

Attachment 2d

Specifications Appendices:

Appendix D: Environmental Specifications

Appendix E: Supplemental Environmental Reports

ASBESTOS ABATEMENT

PART 1 - GENERAL

1.01 SCOPE OF WORK

- A. This section outlines the required tasks and procedures involved in the removal of asbestos containing material (ACM) at the Francis J. Myers Recreation Center located at 5801 Kingsessing Ave in Philadelphia, PA. ACM removal associated equipment demolition, if appropriate, and decontamination cleaning procedures shall be accomplished under asbestos-abatement conditions. The Asbestos Abatement Contractor (AAC) shall cooperate fully with the other Contractors in expediting the work of all trades and avoid damage to the work of the other Contractors.
1. The AAC may be permitted to combine or separate adjacent, Major and/or Minor work areas, as feasible, provided the Project Designer and/or API is amenable to the plans, and presents no written objections.
- B. The abatement work scope summarization includes but is not limited to all materials listed in Section 3.12 "Schedule of Asbestos-Containing Materials".
- C. The AAC shall have a PA licensed Supervisor on site at all times during asbestos abatement activities. The AAC shall not perform any abatement activities, including prep, bag-out, and teardown unless a City of Philadelphia certified API is on site.
- D. AAC access shall be confined to the work areas indicated in this Contract. The Contract may be proceeding concurrently with others in the building.
- E. The AAC shall be served with a Stop Work Order by the Project Designer and/or API when they are in non-compliance with this Contract Specification and/or other pertinent regulations.
- F. The project shall remain halted until all matters identified in the Stop Work Order are corrected.
- G. If it is determined that airborne asbestos contamination has occurred "outside the work area" adjacent to an active asbestos abatement work area, the AAC shall contain and clean the affected premises under the direction of the API at no additional cost to the Owner. Causes for "outside the work area" airborne asbestos contamination include, but are not limited to:
1. The loss of a negative pressure differential inside any active asbestos abatement work area;
 2. A breach of containment into any active asbestos abatement work area;
 3. Improper maintenance of AFDs/HEPA vacuums;
 4. Improper worker decontamination procedures;
 5. Negligence of the AAC;
 6. Any other poor work practices of the AAC.
- H. The Owner reserves the right to require asbestos abatement and associated work be performed at times when the building is unoccupied.

I. The AAC shall provide the number of AFDs to obtain a negative pressure differential of four (4) air changes per hour for all interior asbestos abatement work areas, plus one (1) backup AFD.

1. Number of AFDs projected to obtain a negative pressure differential sufficient to provide a minimum of four (4) air changes of the work area per hour:

$$\frac{L \times W \times H \times 4 \text{ air changer per hour}}{\text{CFM Rating of AFD} \times 60}$$

J. As required by the Asbestos Control Regulation, the AAC shall provide a minimum 18" square transparent viewing window consisting of shatterproof material greater than or equal to 1/8" in thickness located at a height appropriate for accessible viewing and in such a manner as to maximize visibility of the abatement work area.

K. AFDs and HEPA vacuums require different maintenance schedules and attention depending on the model. Check the user's manual to determine and comply with the maintenance, filter replacement, and cleaning requirements of each AFD and HEPA vacuum being used.

1. At no time shall an AFD be dismantled, and the inner HEPA filter replaced while onsite. Removal and replacement of HEPA filters shall be performed offsite.
2. At no time shall a HEPA vacuum be opened for cleaning/emptying outside an active asbestos abatement work area.
3. Cleaning/emptying a HEPA vacuum shall be performed INSIDE an active asbestos abatement work area with a minimum negative pressure differential of -0.02 inches of water column.
 - a. Cleaning/emptying of HEPA vacuums shall be performed directly beside an operating AFD exhausting to the exterior.
 - b. HEPA vacuums shall be cleaned/emptied only during gross removal of asbestos and/or equipment demolition. No HEPA vacuums shall be cleaned/emptied, or opened for any other reason, during final cleaning and/or encapsulation.

L. De-energize the asbestos abatement work areas and all conduit running through the work areas, if possible.

1. Appropriate lock and tag out devices shall be installed at the breakers.
2. The AAC shall supply sufficient temporary lighting to illuminate the work areas during wall demolition and asbestos abatement. All active work areas shall be lighted to not less than the minimum illumination intensities listed in OSHA Regulation 29 CFR 1926.56(a), Table D-3 for Indoors: warehouses, corridors, hallways, and exit ways (e.g. - 5-foot candles).

M. Only approved noncombustible or flame-resistant materials shall be used for work area preparation. Polyethylene sheeting shall be certified to conform to NFPA 701.

N. The dropping, lowering, transporting or otherwise moving any open or packaged waste through any shaft during this project is strictly prohibited.

O. Stated quantities are approximate. By submitting a bid, the AAC certifies they have visited the site, examined conditions that may affect the work, verified quantities of materials, and is informed as to the extent and character of the project.

- P. If the AAC discovers or suspects ACM not previously identified for abatement the AAC will notify the Owner who will schedule testing of the materials.

1.02 CODES AND REGULATIONS

- A. All work and disposal shall be performed in compliance with all applicable Federal, State, and local regulations including, but not limited to:
1. 29 CFR 1926.1101 (OSHA);
 2. 29 CFR 1926.501 (OSHA);
 3. 40 CFR Part 61 (NESHAP);
 4. 40 CFR Part 763 (AHERA);
 5. 40 CFR 761 (PCB Regulations);
 6. Resource Conservation and Recovery Act (RCRA);
 7. 40 CFR 300-399, EPA Comprehensive Environmental Response Compensation & Liability Act;
 8. 40 CFR 745, EPA Toxic Substances Control Act; LBP Poisoning Prevention
 9. EPA Renovation, Repair, and Painting (RRP) rule under the Toxic Substances Control Act;
 10. 49 CFR 171-180, DOT Hazardous Material Regulations;
 11. 42 CFR Part 84 & 30 CFR Part 11 (NIOSH/DHHS respirator standards);
 12. The Asbestos Control Regulation (Philadelphia Department of Public Health);
 13. Act 194 & Act 161 (Pennsylvania Department of Labor and Industry);
 14. Section F-315.8 (R) of the Philadelphia Fire Prevention Code; and
 15. this Specification.
- B. The AAC has the responsibility of informing themselves fully of the requirements of these agencies and shall satisfy completely this Specification and all referenced regulations. All other applicable federal state and local regulations are incorporated by reference.
- C. The AAC must be a City of Philadelphia Licensed Asbestos Abatement Contractor as well as a Pennsylvania Licensed Asbestos Contractor and employ asbestos workers certified to work in the state of Pennsylvania.

1.03 NOTIFICATIONS

- A. The AAC shall notify all applicable agencies including the EPA, DEP, and Philadelphia Air Management Services, using the appropriate form(s).
- B. If Alternate Method Requests are proposed, a request for alternative method shall be submitted to and approved by Air Management Services of the City of Philadelphia prior to the start of the project.
- C. The installation and usage of bag-out chambers require a request for alternative methods submitted to and approved by Air Management Services of the City of Philadelphia
- D. The AAC shall provide a copy of the asbestos notification to the Owner prior to starting any abatement work.

1.04 SUBMITTALS

- A. The AAC shall provide a schedule for all work areas listed. The schedule shall be approved by the Owner and API prior to the commencement of work. The schedule shall include the number of active abatement work areas at any given time, proposed crew sizes, and waiting periods following the delivery of the work area to the API for final visual inspections and clearance testing.
- B. Work plan delineating phasing and preparation of the work site, including intended locations of water and electrical sources, and the intended storage locations for furniture and ceiling mounted light fixtures and other ceiling mounted items. Description of decontamination sequence, removal methods to be used and waste handling.
- C. Supervisor credentials and delineation of responsibility for work site supervision, including name, telephone number and pager number for both the project manager and the on-site supervisor.
- D. Worker qualifications, current licenses, fit tests, and medicals. These may be submitted as the crew is selected or changed; however, no workers will be permitted to remain on site without submission and approval of qualifications.
- E. Safety Data Sheets (SDS) for the materials to be used on the job:
 - 1. Asbestos abatement encapsulant (only encapsulants approved by the Department of Public Health may be used).
 - 2. Heavy-duty polyethylene tape used for sealing fixed objects, the construction of critical barriers, decontamination chambers and floor/wall containments.
- F. Name of Waste Hauler(s) and disposal site with EPA/DEP identification numbers.
- G. Name of the firm or competent person performing the AAC's OSHA required personnel monitoring and the laboratories PAT Certification and Philadelphia Laboratory Certification.
- H. A detailed written description of emergency procedures to be followed in the event of injury or fire. This submittal must include execution procedures, source of emergency assistance (including telephone numbers), and access procedures to be used by emergency personnel.
- I. A COVID-19 response plan shall be submitted at the request of the Owner and appropriate City of Philadelphia Department.

1.05 OWNER'S RESPONSIBILITIES

- A. The Owner shall employ the services of an Asbestos Project Inspector (API) who is licensed by the City of Philadelphia to perform asbestos project inspection as defined by the Asbestos Control Regulation (ACR).
- B. The Owner shall ensure the work areas will be unoccupied prior to abatement activity commencing.
- C. The Owner or GC, through their trades subcontractors, shall make water and electricity available at the site at no cost to the AAC. The Owner shall notify the AAC of scheduled system shutdowns to ensure no interruptions to the project's engineering controls. See Section 1.06.G for The AACs Responsibilities regarding Site utilities.
- D. The Owner shall be responsible to remove all computers, monitors, printers, all other computer related components, personal effects, books, or other items deemed too valuable or sensitive to leave in the scheduled work areas to be handled by the AAC. A list of such items includes:
 - 1. Personal items throughout any previously mentioned work areas.
 - 2. All computers and computer accessories in any previously mentioned work areas.
 - 3. Stored maintenance and building supply items, paper products, paints, cleaners, replacement ceiling tiles and florescent light bulbs, excess furniture, etc. located in any of the work areas scheduled for abatement, demolition and/or cleaning.
 - 4. Any other items deemed appropriate by the Owner.
- E. The Owner shall store items in areas not scheduled for asbestos abatement work.
- F. Any movable items remaining in the scheduled work areas at the time of the mobilization of the AAC shall be removed by the AAC.

1.06 ASBESTOS ABATEMENT CONTRACTOR'S (AAC'S) RESPONSIBILITIES

- A. The AAC is responsible for through review, understanding, and compliance with this specification, and for review and understanding of the following documents:
 - a. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Specification Sections;
 - b. the Phase 1 Environmental Assessment Report and Hazardous Materials Inventory for the Francis Myers Recreation Center (Duffield Associates) dated January 2020, revised May 2021;
 - c. the Revised Report for Environmental Investigation (ACM & LBP) & Sampling for the Francis Myers Recreation Center, 5801 Kingsessing Avenue, Philadelphia, Pennsylvania (Synertech Incorporated Project No. 632-221 & 632-221-2) dated January 21, 2020, Revised on June 25, 2021; and
 - d. the Supplemental Asbestos Assessment Form for the Francis J. Myers Recreation Center (BrightFields Project No. 2477.07.51) dated February 28, 2023.

- B. The AAC is responsible for visiting the site and verifying quantities of asbestos containing materials, locations of utilities, and waste out routes prior to submitting a bid.
- C. Project phasing, start and completion dates are subject to change at the discretion of the Owner.
- D. The AAC shall provide all labor, tools, materials and scaffold necessary to complete the project safely, in a timely fashion, and in accordance with the specification and all applicable regulations.
 - 1. All tools, ladders, equipment, etc. shall arrive at the project site in good condition and free of any visual residual asbestos contamination.
- E. Any movable items remaining in the scheduled work areas at the time of the mobilization of the AAC shall be removed by the AAC.
- F. The AAC shall protect all non-movable furniture, cabinetry, and equipment from damage throughout the duration of this project.
- G. The AAC shall supply, at their own expense, all construction materials, supplies, and all electrical, water, and waste connections, tie-ins, or extensions. It is the AAC's responsibility to evaluate Owner-supplied utilities and ensure proper connections and use. Temporary service lines shall be installed to prevent tripping, slipping, or falling. The AAC must coordinate with the Owner's or GC's licensed electrician to install separate temporary electric panels, receptacles, and lights, all with ground fault interruption and current-overload protection. A licensed plumbing contractor, provided by the Owner or GC, may be required to make proper temporary plumbing connections. All temporary electrical components shall be installed and operated in accordance with OSHA regulation and NEMA standards. All existing electric power in the work area shall be confirmed de-energized by the AAC and temporary power shall be brought to the work area from outside.
- H. The AAC shall maintain current copies of certifications for workers on-site and shall keep copies of all pertinent specifications and regulations on-site. The API retains the right to prohibit work by employees without current certifications.
- I. The AAC shall maintain a detailed sign-in/sign-out log, which must be filled out by every person entering the work area. All entries shall be complete and legible.
- J. The AAC shall be responsible for security of the work site, fire/smoke detection, and maintenance of existing utility systems as it relates to the performance of this project.
- K. The AAC shall provide fire protection in accordance with all State and Local codes. This includes, but is not limited to:
 - 1. Providing a written fire prevention and emergency action plan.
 - 2. Providing multi-purpose ABC rated fire extinguishers, ensuring that on-site personnel are aware of the location and proper use of all fire extinguishers and other safety equipment.
 - 3. Performing a fire watch of the overall work area.
 - 4. Designating a safety coordinator to implement the above actions. The AAC's safety coordinator shall be responsible for:
 - a. Fire/life safety entries shall be entered into the AAC's log daily and shall be submitted with the AAC's final report.

- b. Daily entries shall include names, dates, duration, problems & corrective actions taken by the fire watch - must be signed by the safety coordinator.
- L. Assure protection of AFD exhaust ducts from damage during asbestos abatement activities.
- M. The AAC's Supervisor and API shall perform a visual inspection of the entire floor immediately below all active abatement work areas at the end of each 8-hour shift to verify that no water leaks, fallen material, or any other type of damage has occurred.
 - 1. If water leaks, fallen material, or any other type of damage has occurred:
 - a. All asbestos abatement work shall be halted.
 - b. The API shall immediately notify the Asbestos Project Manager, Construction Manager and Owner for direction and input.
 - c. The source of the leak or damage shall be determined.
 - d. The containment breach issue shall be rectified before any asbestos abatement work will be permitted to continue.
- N. As required by the Asbestos Control Regulation, the AAC shall provide a minimum 18" square transparent viewing window consisting of shatterproof material greater than or equal to 1/8" in thickness located at a height appropriate for accessible viewing and in such a manner as to maximize visibility of the abatement work area.
- O. During the performance of final cleaning of all surfaces inside the active abatement work area, all horizontal surfaces "outside the work area" shall also be cleaned. This includes the dirty, shower and clean rooms of decontamination chambers attached to the asbestos abatement work area being tested and all immediate surroundings of representative makeup air entering each independent asbestos abatement work area being tested.

1.07 ASBESTOS PROJECT INSPECTOR (API) RESPONSIBILITIES

- A. The API shall act as the Owner's representative on the work site to assure and document compliance with this Specification and applicable regulations and to perform all project sampling and analysis required by the Philadelphia ACR.
- B. The API shall be responsible to see that required information and notifications are posted and are accessible for review by all concerned parties.
- C. The API shall keep a daily log documenting the progress and performance of the AAC over the course of the project.
- D. The API shall perform continuous inspections to monitor the performance of the AAC and to assure and document compliance with this Specification and applicable regulations. Inspections shall be performed during all phases of the project including verifying compliance with standard operating procedures, checking engineering controls, personal protection and decontamination systems, and handling and disposition of the resulting asbestos waste materials.
- E. The API shall be responsible for performing all project sampling and analysis required by the Philadelphia ACR.
 - 1. The API shall also perform representative personal air sampling on themselves during the project as defined within OSHA 1926.1101 and 1910.1001. Personal air samples shall be collected to establish a time weighted average (TWA) and a short-term excursion limit (STEL). Such air samples shall be collected within the breathing zone and used to:
 - a. Initially determine the level of respiratory protection;
 - b. Subsequently to assure that such protections remain adequate throughout the project.
- F. The API shall routinely perform smoke testing at all critical barriers throughout the performance of asbestos abatement activities until the receipt of acceptable clearance air sample results to verify the integrity of critical barriers and presence of an adequate negative pressure differential.
- G. The API shall notify the Owner and Air Management Services of the City of Philadelphia if the AAC is found to be in non-compliance with the specifications or those Municipal, State or Federal regulations applicable to this project.
 - 1. The API shall serve written notice to the AAC for all non-compliance actions.
- H. The AAC's Supervisor and API shall perform a visual inspection of the entire floor immediately below all active abatement work areas at the end of each 8-hour shift to verify that no water leaks, fallen material, or any other type of damage has occurred.
 - 1. If water leaks, fallen material, or any other type of damage has occurred:
 - a. All asbestos abatement work shall be halted.
 - b. The API shall immediately notify the AAC and Owner for direction and input.
 - c. The source of the leak or damage shall be determined.
 - d. The containment breach issue shall be rectified before any asbestos abatement work will be permitted to continue.

- I. The API shall conduct a detailed final inspection to ensure that no visible dust or debris remains on any surfaces. This includes all surfaces inside the abatement work area and all horizontal surfaces in the immediate surroundings of representative makeup air entering each independent asbestos abatement work area tested.

PART 2 - PRODUCTS

NOT USED

PART 3 - EXECUTION

3.01 AIR MONITORING BY THE OWNER

- A. The Owner shall employ the services of an API who is licensed by the City of Philadelphia to perform air monitoring and quality assurance of the AAC's work practices.
- B. The API shall collect pre-test and project air samples in accordance with the Philadelphia Asbestos Control Regulations. Project air monitoring during abatement activities shall include samples inside and outside the work area to ensure airborne fiber concentrations remain at acceptable levels. Acceptable airborne fiber concentrations outside the work area shall be < 0.010 f/cc for PCM and < 70 s/cc for TEM. The API may also perform discretionary random personnel monitoring. Pre-test and project samples shall be analyzed via Phase Contrast Microscopy (PCM), NIOSH Method 7403 or Transmission Electron Microscopy (TEM), EPA AHERA 40 CFR 763.
 1. Transmission Electron Microscopy (TEM) sampling may be performed in locations outside the containment work areas at the Owner's discretion throughout the abatement project. Results shall be evaluated in accordance with the ACR.
- C. The API shall provide clearance air sampling:
 1. For Major Projects, five (5) clearance samples shall be collected and analyzed via TEM. Results shall be evaluated in accordance with the ACR.
 2. For Small and Minor Projects, five (5) clearance samples shall be collected and analyzed via Phase Contrast Microscopy (PCM) or TEM. Results shall be evaluated in accordance with the ACR.
 3. For Non-Friable Projects, a discretionary number of clearance samples shall be collected and analyzed via Phase Contrast Microscopy (PCM) or TEM. Results shall be evaluated in accordance with the ACR.
 4. Clearance air sampling shall be performed using aggressive techniques. Sampling procedures and clearance criteria shall follow all requirements of the Philadelphia ACR.
- D. The Owner shall be responsible for costs incurred for the initial required laboratory work. Any subsequent testing required due to limits exceeded during abatement or any clearance sampling shall be paid by the AAC. These costs include both labor and analysis.
 1. The API shall invoice the Owner on a separate invoice, for all costs relating to labor and analyses resulting from additional testing required due to limits exceeded during abatement or failure of first round clearance sampling.

2. The AAC's contract amount shall be reduced by an amount equal to the costs for labor and analyses resulting from additional testing required due to limits exceeded during abatement or failure of first round clearance sampling.
 3. The Owner shall retain possession and ownership of all air sampling data and documentation.
- E. The Z-test method found in 40 CFR 763, Subpart E., Appendix A, is a test method in which inside and outside area averages can be used to pass an area based upon the outcome of the arithmetic comparison of both areas. However, the analysis and comparison of the inside and outside air samples via the Z-test method is not permitted as part of this project.
1. Inside the work area samples shall be analyzed using the geometric mean. Outside the work area samples shall be analyzed and compared independently.
 - a. An exceedance of the geometric mean inside the work area and/or an exceedance of 70 s/cc outside the work area shall require corrective action recleaning by the AAC.
 2. Inside and outside final clearance air samples shall be collected and analyzed via PCM or TEM. Results shall be evaluated in accordance with the ACR.
 3. Acceptable airborne fiber concentrations for individual "outside the work area" air samples shall be < 0.010 f/cc for PCM and < 70 s/cc for TEM.
 4. During all phases of the project, the API/Consulting Firm shall be required to notify the Department of Public Health in the event an "outside the work area" air sample is in exceedance of 70 s/cc.

3.02 AIR MONITORING BY THE ASBESTOS ABATEMENT CONTRACTOR (AAC)

- A. The AAC shall perform representative personal air sampling as defined within OSHA 1926.1101 and 1910.1001. Personal air samples shall be collected to establish a time weighted average (TWA) and a short-term excursion limit (STEL). Such air samples shall be collected within the breathing zone and used to:
1. Initially determine the level of respiratory protection.
 2. Subsequently to assure that such protections remain adequate throughout the project.
- B. Sampling strategy and protocols shall be determined by a competent sampling professional according to NIOSH 7400 method. The AAC shall have a competent person collect personal air samples.
- C. Personal air sample results must be posted within 24 hours of sample collection.
- D. AAC personnel shall comply with the personal air sampling of the competent person and shall not interfere with or alter sampling protocol.

3.03 RESPIRATORY AND PERSONAL PROTECTIVE EQUIPMENT

- A. The AAC shall provide approved respirators and protective clothing to all workers. Authorized representatives of the City, State or other Government entity who arrive to inspect the work site shall be permitted access to the work area provided the visitor arrives with their own approved respirator. The AAC shall provide protective clothing to these visitors.
1. The AAC shall provide approved respirators to all visitors that can provide proof that a Pulmonary Function Test, Medical exam and chest x-ray has been performed on the visitor, **and** that a doctor

has performed a pulmonary evaluation of the visitor indicating that the visitor has been deemed able to safely wear a respirator.

- B. The AAC shall require that each person entering the work area shall wear an approved respirator and protective clothing. There shall be no exceptions to this rule.
- C. Respiratory protection shall be in compliance with:
 - 1. OSHA regulations 29 CFR 1910.1001, 1926.1101, and 1910.134;
 - 2. ANSI Z88.2-1980;
 - 3. NIOSH 30 CFR Part 11 for type B and C respiratory protection;
 - 4. NIOSH and DHHS 42 CFR Part 84 for non-powered, air-purifying particulate-filter respirators.
- D. At a minimum, the respiratory protection at the start of the project shall include Type B full-face Powered Air Purifying Respirators (PAPR) . After the initial exposure assessment establishes the expected airborne asbestos concentrations during removal, the respiratory protection shall be:
 - 1. 0.01 – 1.0 f/cc - Dual Cartridge, Air Purifying respirator, Type A.
 - 2. 1.0-2.5 f/cc - Powered Air Purifying Respirators - Type B (PAPR).
 - 3. >2.5 f/cc- - Supplied Air with Constant Flow - Type C.
- E. All persons performing asbestos abatement work requiring respiratory protection (including Type B) shall be clean shaven and have an unobstructed face mask seal. Only mustaches that do not exceed the corners of the upper lip and sideburns that do not extend below the earlobes are permitted.
- F. For containments with an attached three (3) stage decontamination unit, asbestos workers shall wear a single disposable suit including hood and footwear. Before exiting the work area, the workers shall remove their respirator filters and disposable suit in the shower after appropriate wetting. These shall be disposed of as asbestos waste.
- G. For containments utilizing a remote decontamination unit, asbestos workers shall wear two (2) disposable Tyvek-type suits. Before exiting the work area, the worker shall remove both suits and change into a clean disposable suit in the one-stage chamber. The worker shall immediately proceed to the remote centralized, decontamination chamber, equipped with a shower and clean room. Dispose of clean suit and respirator cartridges in the centralized decontamination chamber.

3.04 DECONTAMINATION FACILITIES

- A. For Major Projects described in this Specification, the AAC shall construct and place a three-stage decontamination unit at the entrance to the work area. For Minor and Non-Friable Projects, a one-stage decontamination unit shall be constructed and placed at the entrance to the work area, with a two-stage centralized decontamination unit/shower constructed prior to work in any abatement work areas. Decontamination units shall have a sturdy frame comprised of studs or equivalent.
- B. Decontamination units shall be constructed as described below:
 - 1. Three-stage unit (clean room, shower room, equipment room):

- a. Interior of the chamber shall be covered with two layers of six (6) mil polyethylene with triple flap airlocks installed between each chamber.
 - b. Shall have a sturdy frame comprised of studs and $\frac{3}{8}$ " plywood.
 - c. Entrance shall be equipped with a secure, lockable plywood door with louver system.
 - d. Shall have danger signs posted at the entrance.
 - e. Shall be provided with hot and cold water for use in the shower room.
 - f. Shower water shall be added to waste materials or pumped through a five (5) micron filter element prior to discharging it to the sanitary sewer or floor drains.
2. One-stage unit:
- a. Interior of the chamber shall be covered with two layers of six (6) mil polyethylene and triple flap airlocks shall be placed at entrance and exit.
 - b. Shall have a sturdy frame comprised of studs or an approved equivalent.
 - c. Shall have danger signs posted at the entrance.
 - d. Asbestos workers shall wear two (2) disposable Tyvek-type suits. Before exiting the work area, the worker shall remove the outer suit in the single-stage decontamination chamber. The worker shall immediately proceed to the remote centralized, decontamination chamber, equipped with a shower and clean room. The inner disposable suit and respirator shall be removed after appropriate wetting. Dispose of the inner suit and respirator cartridges in the centralized decontamination chamber. Workers shall shower with liquid bath soap and shampoo. Clean, dry towels shall be available for drying. Hot and cold water shall be available for use in the shower room;
 - e. Shower water shall be added to waste materials or pumped through a five (5) micron filter element prior to discharging it to the sanitary sewer or floor drains.
3. The AAC shall provide one decontamination chamber for every eight (8) workers.
- C. The use of a remote decontamination unit for MAJOR PROJECTS requires the submission of an Alternative Method Request to the City of Philadelphia's Air Management Services, Asbestos Division, and receipt of approval by that office.
- D. Asbestos abatement shall not commence until the AAC can demonstrate to the API that the shower unit is fully operational.

3.05 GENERAL PREPARATION FOR ALL ASBESTOS ABATEMENT ACTIVITIES

- A. The AAC shall confine their apparatus, the storage of materials, tools, supplies and the activities of their workman to the limits established by the City and City ordinances.
- B. The AAC shall assure that building exits are not obstructed and that appropriate safety barriers are established to prevent access by unauthorized persons. The works areas are to be kept neat, clean and safe.
- C. The AAC shall post OSHA specified, asbestos specific danger signs at the entrance to each work area. Such signs shall also be posted when applicable to decontamination chambers, bag-out chambers, critical and separation barriers, and waste storage containers.

- D. Provide isolation barriers to separate the abatement work areas from the remaining occupied areas of each floor.
- E. All necessary building occupants remaining in the building during the asbestos abatement project shall be denied access to the asbestos abatement work area(s) by isolation barriers and/or locked doors.
- F. All moveable objects shall be removed from the work area. Movable objects shall be wet wiped & HEPA vacuumed prior to their relocation to a clean area.
- G. AFDs and HEPA vacuums require different maintenance schedules and attention depending on the model. Check the user's manual to determine and comply with the maintenance, filter replacement, and cleaning requirements of each AFD and HEPA vacuum being used.
 - 1. At no time shall an AFD be dismantled and the inner HEPA filter replaced while on site. Removal and replacement of HEPA filters shall be performed off site.
 - 2. At no time shall a HEPA vacuum be opened for cleaning/emptying outside an active asbestos abatement work area.
 - 3. Cleaning/emptying a HEPA vacuum shall be performed INSIDE an active asbestos abatement work area with a minimum negative pressure differential of -0.02 inches of water column.
 - a. Cleaning/emptying of HEPA vacuums shall be performed directly near an operating AFD exhausting to the exterior.
 - b. HEPA vacuums shall be cleaned/emptied only during gross removal of asbestos and/or equipment demolition. No HEPA vacuums shall be cleaned/emptied, or opened for any other reason, during final cleaning and/or encapsulation.
- H. AFDs and all other supplies and equipment shall arrive at the project site in good condition and free of any visual residual asbestos contamination.
- I. Assure HVAC systems associated with, or that pass through any abatement work areas are shut down. Provide appropriate lock and tag out devices at the shut off point of the fan.
- J. De-energize the work areas and all conduit running through the work areas.
 - 1. Appropriate lock and tag out devices shall be installed at the breakers.
 - 2. The AAC shall provide a temporary electric panel with ground fault interruption.
 - 3. The AAC shall supply sufficient temporary lighting to illuminate the work areas during asbestos abatement and paint stabilization. All active work areas shall be lighted to not less than the minimum illumination intensities listed in OSHA Regulation 29 CFR 1926.56(a), Table D-3 for Indoors: warehouses, corridors, hallways, and exit ways (e.g. - 5-foot candles).
- K. Only approved noncombustible or flame-resistant materials shall be used for work area preparation. Polyethylene sheeting shall be certified to conform to NFPA 701.
- L. The dropping, lowering, transporting or otherwise moving any open or packaged waste through any shaft during this project is strictly prohibited. When the asbestos abatement work area is a shaft, asbestos waste must be packaged and lowered in a controlled fashion to the base of the shaft. No dropping of waste in any shaft shall be permitted at any time.

3.06 PREPARATION & ABATEMENT – TSI REMOVAL - GLOVE BAG REMOVAL

- A. This section is intended to specify the acceptable friable methods for the removal of pipe/pipe fitting insulation referenced in Section 1.01.B and listed in Section 3.12 utilizing containment bags (glove-bags).
 - 1. All glove-bag procedures require a 2 man operation (one man removing material while the other man sprays the material with a garden sprayer), stapling across the top of the bag at one-inch intervals over the duct tape, smoke-testing the inside of the glove-bag by placing the smoke tube into the water sleeve and visually checking for leakage, evacuating the glove-bag with a HEPA vacuum, twisting of the pouch holding the tools used inside the glove-bag and cleaning the tools while submerged in a bucket of water, etc. (refer to ACR Section VI.C.3.a-e).
 - 2. Pipe/pipe fitting insulation present inside floor/ceiling pipe penetrations within any given work area shall be removed as part of this project.
 - 3. A negative pressure differential of -0.02" w.c. minimum shall be required in all tent containments and larger sized containments for all glove-bag projects.

- B. Approved high quality HEPA equipped air filtration devices (AFDs) shall be placed so as to develop and hold a negative differential air pressure. Each AFD shall be equipped with a magnehelic gauge or manometer to measure pressure drop across the filters, indicating overload and a need to change filters. An automatic shutdown system shall be provided in the event of improper filter fit, a rupture in the HEPA filter, or a blocked air discharge.
 - 1. The AFD exhaust shall be vented outside of the building.

- C. Install critical barriers consisting of one (1) layer of six-mil polyethylene over all windows, doors, openings between walls and ceilings, and any other critical openings inside the work area such that the work area is isolated from the rest of the building.
 - 1. Ensure all electrical panels, control panels, and control boxes are protected with watertight critical barriers consisting of one (1) layer of six-mil polyethylene.
 - 2. Areas where critical barriers are to be installed shall first be pre-cleaned via wet wipe and HEPA vacuum techniques.

- D. If present, perform partial demolition of pipe chase walls or wall system materials sufficient enough to allow for the safe access to and removal of all concealed thermal system insulation (TSI) within the chase/wall cavities. Respirators & Full PPE shall be worn during all phases of this work.
 - 1. Continually mist the air with water using an airless sprayer to decrease the generation of dust.
 - 2. Perform cleaning and housekeeping routinely during wall demolition.
 - 3. Concrete, mortar, block and terra-cotta wall debris shall be disposed of as construction debris. The AAC shall cover all non-asbestos debris when transporting through the building to mitigate dust generation.
 - 4. Floor protection shall be utilized along routes in which construction debris is passed through the building.

- E. Construct and attach a one-stage decontamination unit at the work area entrance. A remote two-stage decontamination unit shall also be constructed at an appropriate location. Exact decontamination unit placements shall be at the discretion of the AAC with approval from the on-site API.
- F. Pre-clean the floor and horizontal surfaces via wet wipe and HEPA vacuum techniques.
 - 1. All fixed objects shall be wet wiped and sealed with one (1) layer of six (6) mil polyethylene.
- G. Should the AAC chose to limit the size of the TSI abatement work areas to the immediate spaces adjacent to the pipe/pipe fitting insulation to be removed, the AAC may construct a tent containment as specified below. If the AAC chooses not to utilize tent containments to limit the size of the pipe chase work areas, the entire room/area containing the pipe/pipe fitting insulation to be removed must be considered part of the work area, and is subject to pre-cleaning, polyethylene protective sheeting for all non-movable items, decontamination, and final clearance testing as specified in other paragraphs in this Section.
 - 1. Erect wall coverings, completely enclosing and isolating the pipe/pipe fitting insulation removal locations using one (1) layer of six (6) mil polyethylene sheeting.
 - 2. Tape one (1) layer of six (6) mil polyethylene sheeting to the floors, extending at least five (5) feet from the pipe/pipe fitting insulation to be removed.
 - 3. All fixed, unmovable objects to be enclosed in the tent containment shall be pre-cleaned and sealed with one (1) layer of six (6) mil polyethylene sheeting.
 - 4. Polyethylene sheeting shall be installed in such a manner as to cause minimal damage to underlying surfaces. The AAC shall ensure proper adhesion of the sheeting to problem areas, such as walls with peeling paint.
- H. Remove any non-asbestos insulation (fiberglass, neoprene, cellular glass, horsehair, etc.) without disturbing asbestos containing mud fittings applied to fittings, tee's valves, etc.
- I. Upon completion of the work area preparation, and approval by the on-site API, install containment bags (glove bags) around the pipe/pipe fitting insulation to be removed, in accordance with the ACR Section VI.C.3.e.2-5. The containment bag, once attached, shall be smoke tested using a smoke tube and aspirator bulb. The containment bags shall be utilized in order to further contain any airborne asbestos fibers released during the removal tasks and simplify the subsequent final cleaning tasks.
 - 1. Pipe insulation covered with metal jacketing shall first require the removal of the metal jacket using appropriate tin snips.
 - 2. The pipe insulation diameter worked shall not exceed one-half of the bag working length above the attached gloves.
 - 3. These bags are for single use and shall not be repositioned.
 - 4. Polyethylene sheeting shall be applied to the work area floors beneath the pipe/pipe fitting insulation to be removed, extending a minimum of five (5) feet in all directions or to the full extent of the floor space included in the tent containment, whichever is larger.
- J. Removal of pipe/pipe fitting insulation shall be initiated only after the material has been treated with a solution of water and wetting agent.
 - 1. At the start of each workday, the material to be removed shall be wetted. This wetting shall be repeated at such intervals as to prevent the insulation from drying out.
 - a. Continually mist the air with water using an airless sprayer to keep airborne fiber levels to a minimum.

- b. No standing water shall be tolerated inside of the work area. Standing water would have the potential of leaking to spaces below the work area. The AAC shall designate a worker to constantly monitor the work area and vacuum or mop up any standing water resulting from the pre-wetting or air misting procedures.
 - c. All wastewater generated in the decontamination chamber shower shall be retrieved and added to packaged asbestos waste materials or pumped through a five (5) micron filter element prior to discharging it to the sanitary sewer or floor drains.
 - d. All wastewater generated in the abatement work area shall be retrieved and added to packaged asbestos waste materials and/or placed in plastic lined leak-tight drums for disposal in accordance with VI.C.7 of the Asbestos Control Regulation.
- 2. All removed ACM must be placed in asbestos waste containers simultaneously with their removal. Removed ACMs shall not be permitted to accumulate in the work area and shall be completely contained in proper asbestos waste containers, ready for disposal, before the end of each shift.
- 3. ACM removed at a height shall be bagged at that time or lowered to the ground in a controlled manner and then bagged. No dropping of ACM shall be permitted.
- K. Perform removal of the pipe/pipe fitting insulation using the containment-bag technique. Containment bag removal practices shall conform to the ACR Section VI.C.3.e.7-20.
- L. Prior to removing the glove bag, any residue shall be removed using a stiff nylon brush or a scraper. The pipe surfaces shall then be wet wiped to remove any visible debris. The API shall conduct a visual inspection and approve encapsulation when no visible dust or debris is evident on pipe surfaces.
- M. Upon approval by the API, encapsulate the pipe surfaces prior to removing the containment bag. The API shall inspect the sealant/encapsulant to confirm adequate and proper application and approve subsequent removal of the glove bag(s). When acceptable, the API shall approve the removal of the glove-bag.
 - 1. A HEPA vacuum shall be used to collapse the glove-bag prior to removal.
 - 2. The AAC shall clean all surfaces in the work area using wet-wipe and HEPA-vacuum techniques.
 - 3. Upon completion of cleaning activities, the API shall inspect the sealant/encapsulant to confirm adequate and proper application.
- N. The API shall conduct a detailed final inspection to ensure that no visible dust or debris remains on any surfaces. If any suspect or objectionable material is evident, the AAC shall clean the material and sufficient surrounding areas to the satisfaction of the API, via wet-wipe and HEPA-vacuum techniques. During final inspection, floors, walls and ceilings shall be swept with the exhaust of electric leaf blowers. If visible emissions produced from the leaf blowing activity are generated, the AAC shall be directed to continue the cleaning process. This sequence shall be continued until the APIs are satisfied with the outcome of the final visual inspection and can definitively document that the work area is sufficiently clean.
- O. Upon completion of removal, cleaning, encapsulation, and an acceptable visual inspection, final clearance samples shall be collected and analyzed. Refer to Section 3.01 - Air Monitoring by the Owner.
- P. If any of the results of clearance samples are unacceptable according to the Philadelphia ACR and AHERA, the AAC shall re-clean the work area via wet-wipe and HEPA-vacuum techniques. Following an acceptable inspection, the API shall re-test the area. This sequence shall be repeated until receipt of acceptable air sample results according to the Philadelphia ACR and AHERA.

- Q. Upon receipt of acceptable final visual inspections and acceptable air sample clearance results according to the Philadelphia ACR and AHERA, the AAC shall carefully dismantle critical barriers, plastic sheeting, tape and other materials used in the work area construction. These materials shall be disposed of in sealable plastic bags as asbestos contaminated waste.
- R. The AAC shall remove all glue and tape adhesive residue from all walls, floors and all other surfaces in which glue and tape were utilized in containment preparations. The API shall conduct a post teardown inspection to ensure this task has been completed.
- S. All materials used in the work area containment, and all removed materials shall be carefully dismantled and disposed in sealable plastic bags as asbestos contaminated waste. Refer to Section 3.10 - ACM Waste Disposal.

3.07 PREPARATION & ABATEMENT – MAJOR/MINOR WORK AREAS

- A. This section is intended to specify the acceptable methods for the removal of all friable and non-friable asbestos containing material referenced in Section 1.01.B and listed in Section 3.12 utilizing full containment protocols. These materials include flooring materials, radiator heat shield materials (assumed to be present), adhesive associated with 1’x1’ ceiling tiles (assumed to be present), and TSI which is not abated using the glove bag methods outlined in Section 3.06.
 - 1. Materials classified as non-friable shall be abated in conjunction with Major and Minor work areas whenever possible. However, in the event that materials classified as non-friable are intended to be abated in a manner in which the materials remain in a non-friable condition and are not abated in conjunction with a Major or Minor Abatement Project work area, abatement activities shall be performed as per OSHA 29 CFR 1926.1101. A request for alternative method shall be submitted to and approved by Air Management Services of the City of Philadelphia prior to the start of the project for all work areas where non-friable flooring materials are to be removed using “non-friable methods”.
- B. The AAC shall assure that exits from the building are not obstructed. The work areas are to be kept neat, clean, and safe.
- C. Only approved noncombustible or flame-resistant materials shall be used in the construction of temporary enclosures. Polyethylene sheeting shall be certified to conform to NFPA 701.
- D. Post OSHA specified, asbestos specific danger signs at the entrance to the work area. Such signs shall also be posted when applicable to decontamination chambers, bag-out chambers, critical and separation barriers, and waste storage containers.
- E. All building occupants shall be removed from the work area floors during the performance of the removal project, unless access to the work area is restricted by an isolation barrier or lockable doors.
 - 1. If required, wooden isolation barriers shall be erected to completely isolate the work area from any occupied areas of the building.
 - 2. Isolation barriers shall be eight (8) feet high and shall be constructed of minimum ¾” fire-rated plywood supported by 2’x3’ stud framing, or equivalent, placed on sixteen-inch (16”) centerlines. Appropriate footings and bracings shall be installed to provide proper support.
- F. The AAC shall confine their equipment, storage of materials, tools, supplies, and activities of their workers to the limits established by the City and local ordinances.

- G. Assure any HVAC systems associated with or which course through the work area are sealed, shut down, and locked out.
- H. Approved high quality HEPA equipped air filtration devices (AFDs) shall be placed so as to develop and hold a negative differential air pressure. Each AFD shall be equipped with a magnehelic gauge or manometer to measure pressure drop across the filters, indicating overload and a need to change filters. An automatic shutdown system shall be provided in the event of improper filter fit, a rupture in the HEPA filter, or a blocked air discharge.
 - 1. The negative differential air pressure shall be sufficient to provide a minimum of four (4) air changes of the work area per hour. The AAC shall install a manometer to confirm this differential, which should read minimum of -0.02 inches of water column.
 - 2. Negative differential air pressure shall be continuously maintained 24 hours a day, from the time the isolation barrier is first established until final clearance air sampling is completed, and the AAC is released by the API.
 - 3. The AFD exhaust shall be vented outside of the building, where feasible.
- I. For Major Project work areas, construct a three-stage decontamination unit at the work area entrance. For Minor Project work areas, construct and attach a one-stage decontamination unit at the work area entrance. A remote two-stage decontamination unit shall also be constructed at an appropriate location. Exact decontamination unit placements shall be at the discretion of the AAC with approval from the on-site API.
- J. Pre-clean the floor and horizontal surfaces via wet wipe and HEPA vacuum techniques.
 - 1. All fixed objects, including but not limited to, unit-vents, radiators, motors, AHUs, ductwork, etc. shall be wet wiped and sealed with one (1) layer of six (6) mil polyethylene.
- K. Install critical barriers consisting of two (2) separate identifiable layers of six-mil polyethylene over all windows, doors, openings between walls and ceilings, and any other critical openings inside the work area such that the work area is isolated from the rest of the building.
 - 1. Ensure all electrical panels, control panels, and control boxes are protected with watertight critical barriers consisting of two (2) separate identifiable layers of six-mil polyethylene.
 - 2. Areas where critical barriers are to be installed shall first be pre-cleaned via wet wipe and HEPA vacuum techniques.
- L. Critical 'containment' barriers shall be erected to cover openings greater than six feet in width, consisting of two (2) separate identifiable layers of six-mil polyethylene. Studs or equivalent shall support these barrier(s). Note: these are considered critical barriers, and application of two additional layers of wall coverings shall be required.
- M. All floor and wall surfaces (including polyethylene critical 'containment' barriers) shall then be covered with two (2) layers of six-mil polyethylene sheeting. Sheeting shall be installed in such a manner as to cause minimal damage to underlying surfaces. The AAC shall ensure proper adhesion of the sheeting to problem areas, such as walls with peeling paint.
 - 1. Wall coverings shall extend from ceiling level to floor level and overlap the floor sheeting. Floor coverings shall extend twelve inches (12") up behind the wall coverings. All seams shall be staggered as to overlap a minimum of twelve inches and be sealed with duct tape.
 - 2. Note that floor coverings shall be omitted in areas where vinyl asbestos floor tile is scheduled for removal.

- N. The AAC shall de-energize the work area and all conduit running through the work area, if possible.
1. Appropriate lock and tag out devices shall be installed at the circuit breakers.
 2. All conduit that cannot be de-energized shall be wrapped with a minimum of one (1) layer of six (6) mil polyethylene sheeting.
 - a. Suspend OSHA approved, electrical - voltage and shock hazard warning tags from the energized conduit traveling through the work area every six feet. The warning tags shall remain in place for the duration of the abatement project.
 3. The AAC shall provide a temporary electrical panel board with ground fault interruption. All electrical power shall be brought into the work area via ground fault interrupters (GFIs).
 4. The AAC shall supply sufficient temporary lighting to illuminate the work areas during abatement.
- O. Erect ladders, scaffolding, and/or raised work platforms to access elevated areas of ACM.
1. Ladders, scaffolding and/or raised work platforms shall be of sound condition and assembled per OSHA requirements on a level, secure base.
 2. Ladders, scaffolding and/or raised work platforms shall not be overloaded.
 3. Scaffold work platforms shall comply with OSHA Regulation 29 CFR 1926.451.
- P. In locations where vinyl floor tile is scheduled for removal and floor coverings have been omitted, install temporary floor coverings consisting of one (1) layer of six (6) mil polyethylene beneath the pipe/pipe fitting to be removed extending at least five (5) feet in all directions.
- Q. Upon completion of the work area preparation, and approval by the on-site API, install containment bags (glove bags) around all pipe/pipe fitting insulation in accordance with the ACR Section VI.C.3.e.2-5. The containment bag, once attached, shall be smoke tested using a smoke tube and aspirator bulb. The containment bags shall be utilized in order to further contain any airborne asbestos fibers released during the removal tasks and simplify the subsequent final cleaning tasks.
- R. Removal of pipe/pipe fitting insulation shall be initiated only after the material has been treated with a solution of water and wetting agent. At the start of each work day, the pipe/pipe fitting insulation to be removed shall be wetted. This wetting shall be repeated at such intervals as to prevent the material from drying out.
- S. Perform removal of pipe/pipe fitting insulation using the containment-bag technique. Containment bag removal practices shall conform to the ACR Section VI.C.3.e.7-20.
- T. The API shall conduct a visual inspection prior to encapsulation. The on-site API shall approve the area when no visible dust is evident.
- U. Prior to removing the glove-bag, any residue shall be removed using a stiff nylon brush or a scraper. The pipe surfaces shall then be wet wiped to remove any visible debris. The API shall conduct a visual inspection and shall approve encapsulation to be performed when no visible ACM dust or debris is evident on any surfaces.
- V. Upon approval by the API, encapsulate the pipe surface prior to removing the containment bag. The API shall inspect the sealant/encapsulant to confirm adequate and proper application and approve subsequent removal of the glove bags. When acceptable, the API shall approve the removal of the glove-bag.
1. A HEPA vacuum shall be used when evacuating and breaking the seal of the glove-bag.

W. Remove and dispose of all other friable ACM:

1. Removal of asbestos shall be initiated only after the material has been treated with a solution of water and wetting agent. This wetting shall be repeated at such intervals as to prevent the asbestos from drying out. Removal shall be performed in a manner that minimizes the release of asbestos fibers.
 - a. Continually mist the air with water using an airless sprayer to keep airborne fiber levels to a minimum.
 - b. No standing water shall be tolerated inside of the work area. Standing water would have the potential of leaking to spaces below the work area. The AAC shall designate a worker to constantly monitor the work area and vacuum or mop up any standing water resulting from the pre-wetting or air misting procedures.
 - c. All wastewater generated in the decontamination chamber shower shall be retrieved and added to packaged asbestos waste materials or pumped through a five (5) micron filter element prior to discharging it to the sanitary sewer or floor drains.
 - d. All wastewater generated in the abatement work area shall be retrieved and added to packaged asbestos waste materials and/or placed in plastic lined leak-tight drums for disposal in accordance with VI.C.7 of the Asbestos Control Regulation.

X. Perform removal of vinyl floor tile. Mechanical methods may be employed.

1. Remove all carpeting, binding strips, cove base, and other restrictive moldings holding flooring at locations such as doorways, walls, thresholds, etc.
2. Adequately wet flooring prior to removal.
3. Crews shall be structured such that flooring is packaged as it is removed. Removed flooring shall not be permitted to accumulate in the work area and shall be completely contained in proper asbestos waste containers, without further breakage, ready for disposal, before the end of each shift.

Y. All known floor tile mastic is verified as non-asbestos throughout the building(s). The removal of floor tile mastic is not addressed in this specification and is not included in this contract's scope of work. If asbestos-containing floor tile mastic is identified during the project, Mastic removals may be performed using non-toxic organic solvents using non-friable means and methods per the City of Philadelphia ACR. Please note that, if a mechanical buffer is used to remove asbestos-containing floor tile mastic materials, the material should be considered friable and removed as such per the City of Philadelphia ACR.

Z. Upon completion of removal, perform final cleaning of all surfaces in the work area. Assure that all surfaces to which asbestos insulation was applied are visibly free of insulation material. Any residue shall be removed using a stiff nylon brush or a scraper. Work area surfaces shall then be HEPA vacuumed and/or wet wiped to remove any visible debris. The scaffolding shall either be encapsulated or wet wiped clean to the API's satisfaction. AFDs shall remain in operation during this procedure.

AA. During the performance of final cleaning of all surfaces inside the active abatement work area, all horizontal surfaces "outside the work area" shall also be cleaned. This includes the dirty, shower and clean rooms of decontamination chambers attached to the asbestos abatement work area being tested and all immediate surroundings of representative makeup air entering each independent asbestos abatement work area being tested.

1. Remove all bulk trash and/or large construction debris items from the area.
2. Wet bulk piles of debris with a fine water mister or "Hudson" sprayer.

- a. Pick up large pieces by hand and/or shovel and place into asbestos waste bags. Broom sweeping is not permitted at any time on any asbestos abatement project.
 - 3. Any residues shall be removed using a stiff nylon brush or scraper.
 - 4. Floors, walls, ceilings, critical and containment barriers shall be swept with the exhaust of an electric leaf blower to dislodge any remaining dust within the asbestos abatement work area. Allow for the HEPA equipped air filtration devices (AFDs) to provide several air changes within the work area prior to vacuuming and wet wiping.
 - 5. Surfaces shall then be HEPA vacuumed and/or wet wiped to remove any visible debris.
- AB. The API shall conduct a detailed final inspection to ensure that no visible dust or debris remains on any surfaces. If any suspect or objectionable material is evident, the AAC shall clean the material and sufficient surrounding areas to the satisfaction of the API, via wet-wipe and HEPA-vacuum techniques.
 - AC. Upon completion of removal, cleaning, encapsulation, and an acceptable visual inspection, final clearance samples shall be collected and analyzed. Refer to Section 3.1 - Air Monitoring by the Owner.
 - AD. If any of the results of clearance samples are unacceptable according to the Philadelphia ACR, the AAC shall re-clean the work area via wet-wipe and HEPA-vacuum techniques. Following an acceptable inspection, the API shall re-test the area. This sequence shall be repeated until receipt of acceptable air sample results according to the Philadelphia ACR.
 - AE. Upon receipt of acceptable final visual inspections and acceptable air sample clearance results according to the Philadelphia ACR, the AAC shall carefully dismantle critical barriers, plastic sheeting, tape and other materials used in the work area construction.
 - 1. All asbestos containing and contaminated material shall be disposed of in accordance with Section 3.10 - ACM Waste Disposal.
 - AF. The AAC shall remove all glue and tape adhesive residue from all walls, floors and all other surfaces in which glue and tape were utilized in containment preparations. The API shall conduct a post teardown inspection to ensure this task has been completed.

3.08 PREPARATION & ABATEMENT – CATEGORY 2 NON-FRIABLE WINDOW CAULK MATERIALS

- A. This section is intended to specify the acceptable methods for the removal of Category 2 non-friable asbestos containing material (window caulk) referenced in Section 1.01.B and listed in Section 3.12.
 - 1. These materials are classified as non-friable Category II materials. The removal shall be performed as a non-friable project. Only methods that allow the caulk to be removed without rendering it friable are permitted. Use of liquid caulk remover or other methods must be submitted and demonstrated for approval. The use of any equipment that may sand, grind, saw, or abrade the material is prohibited.
 - 2. If undue disturbance of material occurs during removal and the on-site API deems the work as friable, work will be stopped by the API and all requirements of a friable project will be implemented.
- B. Delineate and restrict the work area(s) using asbestos specific barrier tape and asbestos specific danger signs. The AAC shall assure that appropriate safety barriers are established to prevent access to the work area by unauthorized persons. The work areas are to be kept neat, clean, and safe.

- C. Install floor/ground coverings consisting of one (1) layer of six (6) mil polyethylene sheeting beneath the areas where caulk is scheduled to be removed. The floor/ground covering is intended to receive any/all caulk material that falls to the ground as a result of the caulk removal operation.
 - 1. Place polyethylene sheeting on the ground at the base of the building below where caulk is scheduled to be removed to extend a minimum of five (5) feet away from the base of the building. Place weights on the polyethylene sheeting or utilize other means of anchoring the polyethylene sheeting to avoid the polyethylene sheeting from being dislodged by the wind.
- D. Clean any caulk residue from the surfaces using HEPA-VAC techniques. All caulking shall be disposed of as asbestos waste in accordance with Section 3.10 of this specification.
- E. Carefully roll up the polyethylene sheeting and caulk debris and dispose as asbestos contaminated waste. Place the rolled polyethylene sheeting into appropriate asbestos waste containers.
- F. A visual inspection shall be made by the API to ensure completeness of the removal.

3.09 PREPARATION & ABATEMENT – CATEGORY 1 NON-FRIABLE ROOFING MATERIALS

- A. This section is intended to specify the acceptable methods for the removal of Category 1 non-friable asbestos containing roofing materials referenced in Section 1.01.B and listed in Section 3.12.
- B. The assessment of the roofing materials, (roof edge and mechanical flashing tar) has determined these materials are non-friable asbestos containing materials.
- C. Non-friable roofing can be made friable when removed. Mechanical methods of cutting the roof materials will cause it to become friable. The use of roof-cutting saws, either hand or power driven or tractor mounted, and the rotating blade cutter, are prohibited for use during this project. In addition, any tools that sand, grind, or abrade the roofing materials are prohibited.
- D. Removal of the roofing materials must be performed using methods that keep the material in a non-friable condition. The EPA has concluded the use of plows, power slicers, axes, and knives will not render roofing materials friable. Manual, single action shearing, slicing, and punching are also acceptable.
- E. Roof material shall be sprayed with a wetting agent during removal to reduce dust generation. Do not apply the wetting agent in an excessive amount to create a slip and fall hazard.
- F. A visual inspection shall be made by the API to ensure completeness of the removal.

3.10 ACM WASTE DISPOSAL

- A. The dropping, lowering, transporting or otherwise moving any open or packaged waste through any shaft during this project is strictly prohibited. When the asbestos abatement work area IS a shaft, asbestos waste must be packaged and lowered in a controlled fashion to the base of the shaft. No dropping of waste in any shaft shall be permitted at any time.
- B. Approval must be obtained from the API prior for temporary storage of any asbestos waste containers or construction debris on site, prior to being loaded into appropriate dumpsters. The waste shall be appropriately packaged according to the type of waste. A polyethylene drop cloth and covering shall be provided and the storage areas restricted by barrier tape and appropriate signage. Asbestos waste

containers must be distinctly stored separately from other waste. No long-term storage may occur in these areas.

- C. The loading, transportation, and disposal of asbestos waste at the landfill shall occur in accordance with regulatory requirements of NESHAPS and applicable state and City guidelines and regulations.
- D. Waste disposal containers shall conform to one of the following. Waste with sharp edges shall not be disposed of solely in polyethylene bags. All six-mil polyethylene bags shall be transparent so that when filled, the contents of the bag are readily visible.
- E. The AAC shall label asbestos waste with the name of the generator and the location from which the waste was generated.
- F. The container used for transporting and disposing of ACM waste shall be clearly and properly labeled as specified in EPA and DOT regulations. In addition to generator labels, containers must carry the following labels:

DANGER
CONTAINS ASBESTOS FIBERS
AVOID CREATING DUST
CANCER AND LUNG DISEASE HAZARD
-and-

DOT labels requirement: (Easily readable in sharp relief)

CAUTION
Contains Asbestos Fibers
Avoid Opening or Breaking Container
Breathing Asbestos is Hazardous
to your Health
RQ ASBESTOS
9,NA2212,PG III
(ASBESTOS)

- G. During waste load out, post asbestos specific danger signs along the waste disposal route, and on and around the vehicle or dumpster being used to transport the waste off site.
 - 1. Drop cloths shall be utilized along routes in which bagged ACM waste is passed through the building. Proposed waste removal route shall be presented to the API and Asbestos Project Designer for approval prior to performing delivery of asbestos waste material to the intended waste container. The API must document the proposed route and the APIs subsequent approval in an activity log.
- H. Waste routes must be approved by the Owner and on-site API prior to the commencement of work. All waste being transported through the building must be placed in covered/enclosed containers bearing proper warning signs. The waste route must be kept clean.
 - 1. The rolling of waste drums or the dropping of waste bags down stairs is strictly prohibited.
 - 2. After transport of waste through the building is completed, the AAC shall wet mop the waste removal route to assure continued cleanliness and removal of any debris associated with the waste transport tasks.

- I. All documentation of transportation and disposal transactions such as dump receipts, trip tickets and waste manifests shall be completed and delivered to the Owner for their records.
- J. Should the Owner not receive a receipt of the waste shipment record within 35 days of Project Closeout, the Owner shall contact the AAC to determine the status/disposition of the waste.
- K. Should the Owner not receive a receipt of the waste shipment record within 45 days of Project Closeout, the Owner shall notify the EPA.

3.11 PROJECT CLOSEOUT

- A. After achieving acceptable air sample clearance and dismantling the work area, the AAC shall be released after the following items are completed:
 - 1. Removal of all temporary signs, labels, tape and glue/tape adhesive residue.
 - 2. Removal of all temporary devices, facilities, and equipment.
 - 3. Cleaning the project site and storage areas of trash, etc.
 - 4. Replacement/repair of any damage.
 - 5. The Owner deems the repair work (if any) is acceptable for re-occupancy.
 - 6. Removal of all waste containers (asbestos, scrap, and construction debris) from site and proper disposal of waste.
- B. Upon completion of the project, the AAC shall submit final documentation to the Owner, including but not limited to, all waste handling/shipping documentation/manifests.

3.12 SCHEDULE OF ASBESTOS-CONTAINING MATERIALS

Quantities are estimations only and must be field verified by the AAC. In the event that the actual quantity varies by more than 10% above or below the estimated quantities presented in this Section 01013, the individual prices will be used to calculate an add/deduct cost on the Bid Form.

APPROXIMATE QUANTITIES AND LOCATIONS - AAC MUST VERIFY ALL QUANTITIES AND LOCATIONS OF ASBESTOS-CONTAINING MATERIALS

Francis J. Myers Recreation Center, 5801 Kingsessing Ave, Philadelphia, PA

Material	Location(s)	Est. Quantity	Philadelphia ACR Classification
Recreation Center Basement			
Asbestos Containing Pipe & Pipe Fitting Insulation (ACPI/ACPFs)	Large Center Open Area	245 Linear Feet	FRIABLE- MAJOR
Asbestos Containing Pipe & Pipe Fitting Insulation (ACPI/ACPFs)	Large East Area "Wing" below Auditorium	35 Linear Feet	FRIABLE- MAJOR (combined with Large Center Open Area)
Asbestos Containing Pipe & Pipe Fitting Insulation (ACPI/ACPFs)	South Equip. Storage Rm. ("Harry's Room")	15 Linear Feet	FRIABLE- MINOR
Asbestos Containing Pipe & Pipe Fitting Insulation (ACPI/ACPFs)	Common Hall o/s North Stairs	5 Linear Feet	FRIABLE- MINOR
Asbestos Containing Pipe & Pipe Fitting Insulation (ACPI/ACPFs)	Various Crawlspace	Quantity Undetermined (QU)	N/A
Recreation Center 1st Floor			
Asbestos Containing Vinyl Floor Tile below Non-Asbestos Tile and Plywood	NE Community Room (adj. to Exit Stairs)	310 Square Feet	FRIABLE- MAJOR

Recreation Center 1st Floor (continued)

Asbestos Containing Vinyl Floor Tile below Non-Asbestos Tile and Plywood	All Common Halls	960 Square Feet	FRIABLE- MAJOR
Asbestos Containing Vinyl Floor Tile below Non-Asbestos Tile and Plywood	Office adj. Community Room & Closets	170 Square Feet	FRIABLE- MAJOR
Radiator heat Shield Insulation (ASSUMED to be present behind radiator)		16 Square Feet	FRIABLE- MAJOR (combined with floor tile)
Asbestos Containing Vinyl Floor Tile below Non-Asbestos Tile and Plywood	North Office Areas & Closets	456 Square Feet	FRIABLE- MAJOR
Top Layer AsbestosContaining Vinyl Floor Tile below Plywood	North Storage adj. to Exit Stairs	120 Square Feet	FRIABLE- MAJOR
Radiator heat Shield Insulation (ASSUMED to be present behind radiator)		16 Square Feet	FRIABLE- MAJOR (combined with floor tile)
Asbestos Containing Vinyl Floor Tile below Non-Asbestos Tile and Plywood	Storage Rm. Adj. Large Auditorium	168 Square Feet	FRIABLE- MAJOR
Asbestos Containing adhesive a/w 1'x1' Ceiling Tile (ASSUMED to be present-inaccessible - heights)	Game Room adj. Gym	450 Square Feet	NON-FRIABLE
Asbestos Containing Vinyl Floor Tile	South Stair Landings	180 Square Feet	NON- FRIABLE/ FRIABLE- MAJOR

Recreation Center 2nd Floor

ACPI (ASSUMED to be present inside of wall and ceiling cavities)	Throughout	QU	FRIABLE- MAJOR
Asbestos Containing Vinyl Floor Tile	North Corner Office/Room	315 Square Feet	FRIABLE- MAJOR
Asbestos Containing Vinyl Floor Tile below Non Asbestos Floor Tile	Large Open Area & Halls o/s Kitchen & Storage Rooms	510 Square Feet	FRIABLE- MAJOR
Asbestos Containing Vinyl Floor Tile below Non Asbestos Floor Tile	Kitchen	130 Square Feet	FRIABLE- MAJOR
Asbestos Containing Vinyl Floor Tile below Non Asbestos Floor Tile	Storage Rm. across from Kitchen	110 Square Feet	FRIABLE- MAJOR
Asbestos Containing Vinyl Floor Tile below Non- Asbestos Tile and Plywood	Main Large Hallway	580 Square Feet	FRIABLE- MAJOR
Asbestos Containing Vinyl Floor Tile below Non- Asbestos Tile and Plywood	SW Library Room	750 Square Feet	FRIABLE- MAJOR
Asbestos Containing Vinyl Floor Tile below Non- Asbestos Tile and Plywood	Dance Studio	705 Square Feet	FRIABLE- MAJOR
Asbestos Containing Vinyl Floor Tile	Common Area o/s NE Bathrooms	40 Square Feet	NON-FRIABLE
ACPI (ASSUMED to be present inside of wall and ceiling cavities)	Throughout	QU	FRIABLE- MAJOR
Recreation Center Exterior			
Window Caulk	Exterior	15 Windows (165 linear feet total)	NON-FRIABLE
Edge Flashing Tar	Gym Roof - Along roofing edges/parapets	1,000 Square Feet	NON-FRIABLE

Recreation Center Exterior (continued)

Mechanical Flashing Tar	Gym roof - Associated with Gym mechanical systems and stacks	220 Square Feet	NON-FRIABLE
Annex 1st Floor			
Asbestos Containing Vinyl Floor Tile below Non-Asbestos Tile/Carpet and Plywood	Throughout – All Rooms/Areas	1,958 Square Feet	FRIABLE- MAJOR
Annex 2nd Floor			
Tan 9" x 9" Asbestos Containing Vinyl Floor Tile	Throughout – All Rooms/Areas & Stairwell Landings (except Bathrooms)	1,800 Square Feet	FRIABLE- MAJOR
Annex 3rd Floor			
Red 9" x 9" Asbestos Containing Vinyl Floor Tile	Front-Center Room	270 Square Feet	NON-FRIABLE
Annex Exterior			
Window Caulk	Exterior (1st floor only)	6 Windows (90 linear feet total)	NON-FRIABLE

END SECTION

HAZARDOUS, UNIVERSAL, AND REGULATED WASTES

PART 1 – GENERAL

1.01 SCOPE OF WORK

- A. This specification outlines the removal and disposal of hazardous waste, universal hazardous wastes, non-hazardous liquid wastes, and miscellaneous environmentally regulated wastes identified in the Phase 1 Environmental Assessment Report and Hazardous Materials Inventory for the Francis Myers Recreation Center (Duffield Associates, dated January 2020, revised May 2021). Items B through F were not positively identified at the Francis Myers Recreation Center, however it is the responsibility of the Contractor to make an appropriate waste determination for all materials.
- B. Hazardous waste (HW) is defined under the federal hazardous waste regulations found in Title 40 of the Code of Federal Regulations (CFR), part 273 (40 CFR 273). HW is any material which is declared a waste, is not specifically excluded as a waste, and: bears a hazardous characteristic (flammability, corrosivity, reactivity and/or toxicity) and/or is as listed waste (F, P, K, or U list). Hazardous waste was not positively identified at the Francis Myers Recreation Center; however it is the responsibility of the Contractor to make an appropriate waste determination for all materials.
- C. Universal hazardous waste (UHW) is defined under the federal universal hazardous waste regulations found in Title 40 of the Code of Federal Regulations (CFR), part 273 (40 CFR 273). The regulation applies to the four types of universal waste, which include: batteries, pesticides, mercury containing equipment, and mercury containing fluorescent lamps. Pennsylvania additionally recognizes aerosols and oil-based finishes as UHW.
- D. Non-hazardous liquid (NHL) wastes that require special handling for disposal include certain cleaning chemicals, petroleum products, and latex paints.
- E. Miscellaneous environmentally regulated wastes (ERW) include equipment such as lamp ballasts, capacitors and transformers which may contain polychlorinated biphenyls (PCBs), and refrigerants.
- F. Listed materials and quantities are approximate. The table below is not considered “all-inclusive.” By submitting a base bid, the Contractor signifies they have visited the site, examined conditions that may affect the work, verified quantities of waste materials, and is informed as to the extent and character of the project. Any discrepancies from estimated quantities shall not be cause for a contract cost adjustment.

Waste Classification	Description	Location	Est. Quantity
Miscellaneous Cleaning Chemicals	Cleaner, Paint	Throughout	82 Gallons
Freon containing units	Window air conditioning units	Throughout	10
Mercury-containing light ballasts	Potentially mercury-containing	Throughout	125
Mercury-containing light tubes, compact fluorescent bulbs (CFLs), and halogen bulbs	4-foot (T8 &T12) and fluorescent CFLs	Throughout	507
Lead-acid batteries	Emergency Lights and Exit Signs	Throughout	45

Hazmat inventory conducted by Duffield Associates (January 2020, Rev. May 2021).

- G. An oil-filled transformer was identified adjacent to the building. The transformer is owned by PECO and is excluded from the scope of work.

1.02 CODES AND REGULATIONS

- A. All work and disposal shall be performed in compliance with all applicable federal, state, and local regulations including, but not limited to:
1. 40 CFR 273, Standards for Universal Waste Management;
 2. 25 PA Code 266b, Universal Waste Management;
 3. 40 CFR 750, Toxic Substance control Act;
 4. 40 CFR 761, Polychlorinated biphenyls;
 5. 40 CFR Part 82, Subpart F Section 608, Clean Air Act;
 6. 40 CFR 300-399, EPA Comprehensive Environmental Response Compensation & Liability Act;
 7. 40 CFR 260-299, Resource Conservation and Recovery Act (RCRA);
 8. 49 CFR 171-180, DOT Hazardous Material Regulations;
 9. this Specification.
- B. The Contractor has the responsibility of informing themselves fully of the requirements of these regulations and the agencies enforcing them and shall satisfy completely this Specification and all referenced regulations. All other applicable federal, state and local regulations are incorporated by reference.

PART 2 – PRODUCTS

NOT USED

PART 3 – EXECUTION

- A. The Contractor shall remove all fluorescent light tubes and compact fluorescent light (CFL) bulbs suspected of containing mercury. Fluorescent light tubes and CFL bulbs shall be treated as universal waste in accordance with 40 CFR 763 and PA Code 266b.
- B. All fluorescent light ballasts associated with the fluorescent lighting systems are presumed to contain polychlorinated biphenyl (PCB) and as such should be properly removed and disposed of as hazardous waste in accordance 40 CFR Part 763 and 40 CFR Part 761. Ballast units that are clearly labeled as “Non-PCB” do not require disposal as hazardous waste.
- C. Mercury-containing instrumentation such as mercury switches and/or mercury thermostats, if any, shall be properly removed and disposed of as universal waste in accordance with 40 CFR Part 763.
- D. The Contractor shall remove and recycle all 6 Volt lead-acid batteries associated with emergency lighting and/or exit signs found throughout the building.
- E. Fan coil units and other heating, ventilating and air conditioning (HVAC) and refrigeration equipment, if any, may contain chlorofluorocarbons (CFC) such as Freon-12, a controlled substance, that should be captured and properly disposed of prior to renovation of the facility. The removal and disposal of any CFC’s, as well as any HVAC and refrigeration equipment from the subject properties will be performed, in accordance with 40 CFR Part 82, Subpart F.
- F. After removal of CFC’s, equipment may be disposed as solid waste.
- G. On-site breakage of fluorescent light tubes or CFL bulbs shall not be permitted with the exception of the use of an approved, fully contained, fluorescent lamp crushing system.
- H. Mercury-containing equipment shall be removed intact. On-site breakage of mercury-containing equipment shall not be permitted.
- I. PCB-containing light ballasts and/or capacitors shall be removed intact. On-site breakage of light ballasts and/or capacitors shall not be permitted.
- J. Chemical wastes should be evaluated based on regulatory listing and hazard class and segregated accordingly (like chemicals paired with like).
- K. Chemicals that cannot be identified must be subjected to characterization sampling to determine a hazard profile.

3.01 DISPOSAL OF UHW

- A. Procedure for hauling and disposal of Universal hazardous waste shall comply with 40 CFR 260-265 & 40 CFR 273 (as applicable), as well as all applicable state, regional and local standards. All universal hazardous waste, debris, containers and contaminated clothing and equipment shall be packaged, sealed, labeled and disposed of in accordance with applicable regulations. This waste material shall be transported in sealed, properly labeled, DOT approved containers and disposed of only at an USEPA or state approved landfill or recycling center. The procedure for hauling, disposal and/or recycling of waste shall comply with all federal, state and local regulations.

3.02 PROJECT CLOSEOUT

- A. All documentation of transportation and disposal transactions such as landfill receipts, trip tickets, and waste manifests shall be completed and include in the final report for the Owner.

END SECTION

LEAD IN CONSTRUCTION

PART 1 - GENERAL

1.01 SCOPE OF WORK

- A. This specification outlines the required tasks and procedures involved with construction activities such as demolition and/or removal of Lead-based Paint (LBP)/Lead Containing Coating (LCC) materials which are covered by this specification.
- B. The General Contractor and/or Lead Abatement Contractor (LAC) must demonstrate they have the necessary personnel, equipment, materials, training, licenses, and experience to complete a project of this nature in the required time period.
- C. The Contractor shall supply all labor, materials, equipment, testing, permits, notifications, insurance and incidentals that are necessary and/or required to perform the work in accordance with applicable local, state and federal regulations; as may be necessary to comply with the OSHA Lead in Construction Standards 29CFR1926.62 and 29CFR1910.25 and for the demolition/construction activities as specified in this section or as indicated in associated drawings, sketches, or details of the work.
- D. Demolition/construction activities associated with Lead Containing Coatings include the following components:
 - 1. Lead-containing building components identified at the Francis Myer Recreation center are listed in "Table 3 – Summary of Lead Based Paint" in the Phase 1 Environmental Assessment Report and Hazardous Materials Inventory for the Francis Myers Recreation Center (Duffield Associates) dated January 2020, revised May 2021.
- E. This project shall include the LBP/LCC materials that are required to be modified, removed, or demolished to facilitate the work indicated by this contract. This responsibility includes locations identified or locations not identified in the report.
- F. Included in the lead work areas shall be buffer zones. These buffer zones shall be intended for staging areas as well as locations to install decontamination chambers, if applicable. Buffer zones are also intended to protect all occupants from airborne lead exposure if "outside the work area" air samples show elevated levels of airborne lead particulate.
- G. The Contractor and its Subcontractors shall inform themselves fully of the scope and scale of the lead-related demolition/construction activities as it relates to this project.
- H. The contractor shall coordinate with work being performed in adjacent areas. Coordination procedures shall be explained in a work plan and shall describe how the Contractor will prevent lead exposure to other contractors and/or occupants/personnel.

1.02 CODES AND REGULATIONS

- A. All work and disposal shall be performed in compliance with all applicable Federal, State, and City regulations including, but not limited to:
 - 1. 29 CFR 1926.62 (OSHA).
 - 2. 29 CFR 1910.25 (OSHA).
 - 3. 40 CFR 300-399, EPA Comprehensive Environmental Response Compensation & Liability Act.
 - 4. 40 CFR 260-299, Resource Conservation and Recovery Act (RCRA).
 - 5. 42 CFR Part 84 & 30 CFR Part 11 (NIOSH/DHHS respirator standards).
 - 6. This Specification.

1.03 SUBMITTALS

- A. Occupational and Environmental Assessment Data Report (if objective data is used to justify excluding the initial occupational exposure assessment).
- B. Lead Compliance Plan.
- C. The contractor and subcontractors must identify a competent person. A Competent Person refers to a person employed by the contractor who is trained in the recognition and control of lead hazards in accordance with current federal, State, and local regulations and has the authority to take prompt corrective actions to control the lead hazard.
- D. If applicable, a completed and signed hazardous waste manifest from treatment or disposal facility.
- E. Fit test and medicals. These may be submitted as the crew is selected or changed.
- F. A detailed written description of emergency procedures to be followed in the event of injury or fire. This submittal must include execution procedures, source of emergency assistance (including telephone numbers), and access procedures to be used by emergency personnel.

1.04 OWNER RESPONSIBILITIES

- A. The Owner shall ensure work areas will be unoccupied prior to demolition/construction activity commencing.
- B. The Owner shall make water and electricity available at the site at no cost to the Contractor. The Owner shall notify the Contractor of scheduled system shutdowns to ensure no interruptions to the project's engineering controls. See Section 1.05.C for The Contractor's Responsibilities regarding Site utilities.
- C. The Owner shall be responsible for removing all contents from the scheduled work areas. A list of such items includes, but is not limited to:
 - 1. Personal items throughout the work areas.
 - 2. All computers and computer accessories in any of the work areas.
 - 3. Stored maintenance and building supply items, paper products, paints, cleaners, replacement

ceiling tiles and florescent light bulbs, excess furniture, etc. located in any of the work areas scheduled for demolition and/or construction.

4. Any other items deemed appropriate by the Owner.

1.05 CONTRACTOR'S RESPONSIBILITIES

- A. The Contractor is responsible for reviewing the Phase 1 Environmental Assessment Report and Hazardous Materials Inventory for the Francis Myers Recreation Center (Duffield Associates, dated January 2020, revised May 2021) and visiting the site to locate LBP/LCC materials and locations of utilities, prior to submitting a bid.
- B. The Contractor shall provide all labor, tools, materials, and scaffold necessary to complete the project safely, in a timely fashion, and in accordance with the specification and all applicable regulations.
- C. The Contractor shall supply, at their own expense, all construction materials, supplies, and all electrical, water, and waste connections, tie-ins, or extensions. It is the Contractor's responsibility to evaluate Owner-supplied utilities and ensure proper connections and use. Temporary service lines shall be installed to prevent tripping, slipping, or falling. The Contractor must coordinate with the Owner's or GC's licensed electrician to install separate temporary electric panels, receptacles, and lights, all with ground fault interruption and current-overload protection. A licensed plumbing contractor, provided by the Owner or GC, may be required to make proper temporary plumbing connections.
- D. Any movable items remaining in the scheduled work areas shall be removed by the Contractor.
- E. The Contractor shall cover all non-movable furniture, cabinetry, and equipment with poly sheeting to protect from contamination or damage throughout the duration of this project.
- F. The Contractor shall maintain current copies of all pertinent specifications and regulations on-site.
- G. The Contractor shall provide fire protection in accordance with all State and Local codes. This includes, but is not limited to:
 1. Providing a written fire prevention and emergency action plan.
 2. Providing multi-purpose ABC rated fire extinguishers, ensuring that on-site personnel are aware of the location and proper use of all fire extinguishers and other safety equipment.
 3. Performing a fire watch of the overall work area.
 4. Designating a safety coordinator to implement the above actions. The Contractor's safety coordinator shall be responsible for:
 - a. Fire/life safety entries shall be entered into the Contractor's log daily and shall be submitted with the Contractor's final report.
 - b. Daily entries shall include names, dates, duration, problems & corrective actions taken by the fire watch-must be signed by the safety coordinator.
- H. The contractor and subcontractors shall follow work permit procedures for all work including, but not limited to, working near potentially live electric, hot work, working at heights.
- I. Hot work is defined as all work that causes or requires the use of open flames, arcs, sparks, or other forms of high temperature ignition sources that could initiate a fire or explosion.

1. Examples of hot work include welding, burning, soldering, hot tapping, drilling, grinding, abrasive blasting, chipping, the operation of impact wrenches, the operation of electronic or electrical equipment that is not intrinsically safe, opening explosion proof electrical enclosures and any other work that may generate sufficient heat that it would pose a possible ignition source.
- J. The contractor shall shut off all forced air HVAC systems in work areas while the work is being performed. Air returns in the work areas shall be sealed while the work is being performed.
- K. The contractor shall use appropriate ladders, scaffolds, lifts, and/or hoists to provide safe access for work activities. Personnel safety lines and harnesses are required where appropriate.
1. Fall protection equipment and guidelines shall comply with OSHA Regulation Standards 29 CFR1926.501.
 2. The use of aerial lifts shall comply with OSHA Regulation Standards 29 CFR 1926.453 and ANSIA92.2-1969.
 3. All stairs, platforms, catwalks and walking surfaces shall be kept, as is practical, free from obstructions, accumulation of water, and tripping hazards, and where elevated, be protected by OSHA specified top-rails, mid-rails, and toe boards.
 4. Ladders of sufficient quantity and of suitable length or height shall be provided. Ladders shall be kept in good repair and inspected regularly. Personnel shall be instructed in the proper use of ladders. No structural alterations shall be made to any ladder.
 5. Ladders shall arrive at the project site in good condition and free of any residual contamination.

PART 2 - PRODUCTS

NOT USED

PART 3 - EXECUTION

3.01 ENVIRONMENTAL SAMPLING BY THE OWNER

- A. The Owner may utilize an Industrial Hygienist or Air Monitoring Firm to perform daily quality assurance evaluations and air sampling outside the work area(s).
- B. After all work areas are completed, the owner has the option to collect surface dust wipe samples inside of the work completed work areas. The clearance surface dust wipe criteria are as follows:
 - 1. The clearance surface dust wipe sample results collected inside the work area must be less than (<) 10 micrograms per square foot on all floor surfaces and less than (<) 100 micrograms per square foot on all windowsill surfaces.
- C. The owner shall be responsible for costs incurred for the initial required laboratory work. Any subsequent testing required due to failed clearance sampling shall be paid for by the contractor. These costs include both labor and analysis.
 - 1. The Owner shall retain possession and ownership of all air and surface sampling data and documentation.

3.02 AIR MONITORING BY THE GENERAL CONTRACTOR

- A. All personal air samples shall be collected via NIOSH 7082 sampling method and analyzed via NIOSH 7082 by Flame Atomic Absorption Spectroscopy (AAS).
- B. An Initial Exposure Assessment (IEA) (OSHA29CFR1926.62) must be performed during the first shift.
 - 1. An IEA requires an exposure assessment immediately before or at the initiation of the lead demolition/removal operation to ascertain expected lead-in-air exposures. During that operation and to provide information necessary to assure that all control systems planned are appropriate and will work properly.
 - 2. If it is determined that the expected lead exposure, as a result of the IEA monitoring, will be below fifty micrograms of lead per cubic meter of air (50 ug/m^3), averaged over an 8-hour workday, then personal protective equipment (PPE - suits and respirators) and/or engineering controls shall not be required, but are optional.
 - a. PPE and appropriate lead demolition engineering controls are required until an IEA is established, or if the results of the IEA monitoring reveal expected lead exposure concentrations to be above 50 ug/m^3 8-hour time weighted average (TWA). The selection of the respiratory protection shall be appropriate to the lead exposure concentrations determined by the IEA monitoring.

3.03 RESPIRATORY AND PERSONAL PROTECTIVE EQUIPMENT

- A. If required, the contractor shall provide approved respirators and protective clothing to all workers.
- B. If it has been determined via the IEA that the OSHA Permissible Exposure Limit (PEL) is exceeded, the contractor shall require that each person entering the work areas to wear an approved respirator and protective clothing. There shall be no exceptions to this rule.
- C. Respiratory protection shall be in compliance with:
 - 1. OSHA regulations 29 CFR 1910.1001, 1926.1101, and 1910.134; ANSI Z88.2-1980;NIOSH 30CFR Part11 for type B and C respiratory protection;
 - 2. NIOSH and DHHS 42 CFR Part 84 for non-powered, air-purifying particulate-filter respirators.
- D. If determined that respiratory protection is required, at a minimum, the respiratory protection shall be:
 - 1. Dual Cartridge, Air Purifying respirator, Type A.
 - 2. Powered Air Purifying Respirators (PAPR) - Type B.
 - 3. Supplied Air with Constant Flow – Type C.
- E. All persons performing lead removal work requiring respiratory protection shall be clean shaven and have an unobstructed face mask seal. Only mustaches that do not exceed the corners of the upper lip and sideburns that do not extend below the earlobes are permitted.

3.04 MEDICALSURVEILLANCE

- A. Under the occupational health standard for inorganic lead, a program of biological monitoring and medical surveillance is to be made available to all employees exposed to lead above the action level of 30 ug/m³ TWA for more than 30 days each year. This program consists of periodic blood sampling and medical evaluation to be performed on a schedule that is defined by previous laboratory results, worker complaints or concerns, and clinical assessment of the examining physician. Employers shall maintain complete and accurate medical records of employees for the duration of employment plus 30 years.
- B. Any worker's blood lead level increases of 10 micrograms/dl or greater or any blood lead level greater than 25 micrograms/dl will trigger an investigation of protective equipment and work practices. All workers on this project shall be informed of their blood lead levels as soon as the testing results are received.

3.05 DECONTAMINATION FACILITIES

- A. Provide clean and contaminated change rooms and hand washing stations in accordance with this specification and 29 CFR1926.62.

3.06 GENERAL PREPARATION AND CONTROLS FOR ALL LEAD RELATED ACTIVITIES

- A. Physical Boundary- Provide physical boundaries around the lead control area by roping off the area designated in the workplan or providing curtains, portable partitions, or other enclosures to ensure that lead will not escape outside of the lead control area.
- B. Warning Signs - Provide warning signs at approaches to lead control areas. Locate signs at such a distance that personnel may read the sign and take the necessary precautions before entering the area. Signs shall comply with the requirements of 29 CFR1926.62.
- C. Shutdown, lockout, and isolate HVAC systems that supply, exhaust, or pass through the lead control areas. Seal intake and exhaust vents in the lead control area with 0.15 mm 6 mil plastic sheet and tape. Seal seams in HVAC components that pass through the lead control area.
- D. To the extent feasible, use local exhaust ventilation or other collection systems. Local exhaust ventilation systems shall be evaluated and maintained in accordance with 29 CFR1926.62.
- E. Vent local exhaust outside the building and away from building ventilation intakes or ensure exhaust system shall connected to HEPA filters prior to discharge.
- F. Use locally exhausted, power actuated tools or manual hand tools.
- G. Manual or power sanding or grinding of lead containing or coated materials is not permitted unless tools are equipped with HEPA attachments or wet methods are applied. The dry sanding or grinding of surfaces that contain lead is prohibited. Provide methodology for removing lead in the Lead Compliance Plan. Select lead removal processes to minimize contamination of work areas outside the control area with lead-contaminated dust or other lead-contaminated debris or waste and to ensure that unprotected personnel are not exposed to hazardous concentrations of lead. Describe this removal process in the Lead Compliance Plan.
- H. Perform manual or mechanical removal in the lead control areas using barriers and powered locally exhausted tools.

3.07 LEAD WASTE DISPOSAL

- A. All removed LBP components that will not be recycled, lead containing dust and wastewater shall be disposed of in accordance with the Hazardous and Universal Waste Disposal Regulations set forth by the Resource Conservation and Recovery Act (RCRA); 40 CFR 260-299.
- B. All lead-contaminated material classified as hazardous waste will be transported to and disposed of at an EPA or State approved hazardous waste treatment, storage, or disposal facility off site.
- C. Dispose of lead contaminated waste/rinse water as hazardous or non-hazardous waste on the basis of sample analysis (TCLP) results.
- D. All documentation of transportation and disposal transactions such as dump receipts, trip tickets, and waste manifests shall be completed and included in the final report for the building owner.

3.08 PROJECT CLOSE OUT

- A. After achieving acceptable air sample clearance and dismantling the work area, the Contractor shall be

released after the following items are completed:

1. Removal of all temporary signs, labels, tape and glue/tape adhesive residue.
 2. Removal of all temporary devices, facilities, and equipment.
- B. Upon completion of the project, the Contractor shall submit final documentation to the Owner, including but not limited to, all waste handling/shipping documentation/manifests.

END SECTION

ENVIRONMENTAL SOILS HANDLING

1.01 SCOPE OF WORK

- A. This specification outlines the required tasks and procedures involved with the characterization, handling and disposal of unsuitable soil and related debris.
- B. The Contractor is to assume that all soils, not cleared for on-site reuse, are to be transported offsite.
- C. Soils that will be removed from the site are to be managed in accordance with the Pennsylvania Department of Environmental Protection (PADEP) Management of Fill Policy (2020).
- D. Contractor shall supply all labor, materials and equipment to do all site preparation, clearing of work areas, excavation to the depth shown and/or indicated, support of utilities, maintenance of excavation, removal of all water, backfilling, disposal of excess material, grading, compaction, removal of contaminated materials/debris, contaminated liquids and all incidental work for the removal, transportation and disposal or treatment of excess or unusable material as shown on drawings, as specified and/or as recommended by the Owner's Representative.
- E. The prices bid for the items shall include all excavation, backfill, transportation and disposal. Excavation shall be in open cut, unless otherwise required due to safety reasons, protection of existing utilities, or other substantiated reason. Following bid submittal, no extra compensation will be allowed where hand excavation and backfill are employed. The Contractor shall be responsible for planning the work to avoid conflicts, obstructions, and other potential impediments to excavation identified in the project documents or visible at the work site prior to bid submittal.
- F. Included in the excavation are asphalt paving, curbing, and road base materials as shown within the area depicted on project plans. Removal of these structures and materials is depicted on contract drawings.
- G. If testing indicates that the volume of excavated materials meet the criteria of clean fill as per the Management of Fill Policy, no special handling requirements are imposed.
- H. If localized petroleum or substances of potential human health or environmental concern are encountered in site soils, the Contractor will excavate no more than an additional five (5) feet in any direction from the limits of the excavation. The contaminated soils identified shall be excavated and stockpiled as described in 1.01, prior to loading into dump trailers for export and disposal or treatment. The Contractor may load directly into dump trailers if a permitted treatment or disposal facility has approved receipt of the materials for disposal. Analysis of contaminated soils shall be performed as required by the disposal facility by the Owner's Representative. This material shall be managed in accordance with all applicable federal, state and local regulations. Any additional excavation of contaminated materials will be at the direction of the Owners Representative.
- I. All soil stockpiles shall be placed on 15-mil plastic sheeting and covered with 15-mil polyethylene plastic sheeting at the end of each working day. The plastic cover sheeting shall be weighted utilizing hay bales to prevent the 15-mil polyethylene plastic from blowing off these soil stockpiles and to prevent stormwater runoff from eroding these soil stockpiles.
- J. The Contractor shall separate concrete, asphalt and construction debris from soil. The Contractor shall remove concrete, asphalt and construction debris immediately after excavation activities are completed. Debris shall be managed off-site in accordance with all applicable federal, state and local regulations.

- K. The excavation shall be backfilled by the Contractor in accordance with the provisions of the Contract Specifications. Backfill material will meet the definition of Clean Fill as defined by the PADEP Management of Fill Policy. Certificates of Clean Fill or testing results will be required to demonstrate the materials are clean fill. All materials shall be approved by the Owner's Representative before being brought on-site.

1.02 CODES AND REGULATIONS

- A. All work and disposal or treatment shall be performed in compliance with all applicable Federal, State, and City regulations including, but not limited to:
 - 1. Pennsylvania Department of Transportation Officials (PennDOT)
 - a. PennDOT Publication 408 - Standard Specification for Construction
 - 2. United States Environmental Protection Agency (USEPA)
 - a. Test Method for Evaluating Solid Waste (SW-846)
 - b. Resource Conservation and Recovery Act (RCRA), 42 U.S.C. §6901 et seq.
 - 3. Pennsylvania Department of Environmental Protection (PADEP)
 - a. 2020 Management of Fill Policy (Document 258-2182-773)
 - b. Residual Waste and Special Handling Waste Streams (Document 258-2000-764)
 - c. 25 Pa. Code Chapters 287 to 299 (residual waste regulations)
 - d. 25 Pa. Code Chapters 271 to 285 (municipal waste regulations) Solid Waste Management Act, 35 P.S. §§ 6018.101 et seq.
 - e. Land Recycling and Environmental Remediation Standards Act, 35 P.S. §§ 6026.101 et seq.
 - 4. Code of Federal Regulations (CFR) – 40 CFR Part 261 Subpart C

1.03 PERMITS

- A. The Contractor shall be responsible for obtaining all necessary permits and approvals required for the performance of the work. Permits shall include at a minimum construction permits, waste hauling and disposal permits and all other permits required to complete the work in compliance with all applicable regulations. The Contractor will be required to submit proof of such compliance prior to starting the work.

1.04 SUBMITTALS

- A. Submit at the pre-construction meeting the name, address and sampling requirements of the proposed facility to receive fill.
- B. Submit tickets/receipts/records/manifests/bills of lading for any material shipped offsite. These documents shall be required for payment.

1.05 OWNER RESPONSIBILITIES

- A. Owners Representative will conduct soil sampling to support the characterization and disposal of materials to be transported offsite. Sample collection will be based on Contractors volume estimate, the Management of Fill Policy, and the selected disposal facility described in Section 1.04.A.
- B. Owners Representative will provide to Contractor soil sampling diagram, chain-of-custody for samples, and laboratory report.
- C. If excavated materials characterize as clean fill, the Owner's Representative will prepare and provide a Clean Fill Certificate, if requested by the receiving facility/site.

1.06 MEASUREMENT AND PAYMENT

- A. The measurement of soils deemed unsuitable for use on site and requiring disposal or treatment at a permitted facility, will be based on the unit rate per ton of soil delivered to the receiving facility. Weights shall be measured at the receiving facility scale or other means acceptable to the Owner and confirmed in writing. Payment for disposal or treatment will not be made until final tickets/receipts/records/manifests/bills of lading are provided.

1.07 DEFINITIONS

- A. Clean Fill– Uncontaminated, non water-soluble, non-decomposable, inert solid material used to level an area or bring an area to grade. Uncontaminated means that no regulated substance concentrations exceed the Clean Fill Concentration Limits as per the Management of Fill Policy. The term includes soil, rock, stone, dredged material, used asphalt, and brick, block or concrete from construction and demolition activities that is separate from other waste and recognizable as such (25 Pa. Code §§ 271.101 and 287.101).
- B. Contaminated (Regulated, Non-hazardous) Fill - Soil, rock, stone, dredged material, used asphalt, historic fill, and brick, block or concrete from construction and demolition activities that is separate from other waste and recognizable as such that has been affected by a spill or release of a regulated substance and the concentrations of regulated substances exceed the Clean Fill Concentration Limits.

PART 2 - PRODUCTS

2.01 Fill Transport

- A. The Contractor shall provide transport fill material in a using equipment or containers that are free and clear of deleterious material, sealed or lined such that no spillage or leakage can occur between locations during transport. Equipment or containers used for transport of material shall be managed to prevent cross contamination of clean fill.

PART 3 - EXECUTION

3.01 GENERAL REQUIREMENTS

- A. The contractor shall handle, transport, reuse or dispose of all excess fill material consistent with all applicable regulations.

- B. The Contractor shall clearly define, in writing, the means and methods to manage fill material prior to the start of work and clearly document the conformance during the completion of the work.
- C. The Contractor shall be responsible for providing a clean work area. Debris, soil and other materials dislodged from equipment onto access roads or adjacent properties shall be immediately collected and removed by the Contractor.
- D. Testing and ultimate disposal documentation shall be retained and copies provided to the Owner, consistent with the Submittals Section.
- E. The area will be restored to pre-project condition upon completion of the project or in accordance with drawings provided by the owner for the respective location.

END SECTION

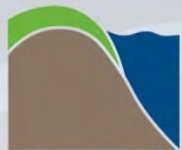
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**Phase I Environmental Site Assessment
And Hazardous Materials Inventory**

**Francis Myers Recreation Center
5800 Chester Avenue
Philadelphia, PA 19143-5548**

**January 2020
(Revised May 2021)**

Project No. 12254.EQ



DUFFIELD
ASSOCIATES
Soil, Water & the Environment

EXISTING
3-STAR
OR 3-STAR
MOTORWAY

Civil

Water/Natural Resources

Geotechnical

Environmental

Construction Review

Coastal/Waterfront



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SUMMARY

This report summarizes Duffield Associates, LLC's (Duffield's) Phase I Environmental Site Assessment (ESA) of the Property known as the "Francis Myers Recreation Center" located at 5800 Chester Avenue in the Kingsessing Neighborhood of Philadelphia, Pennsylvania (the "Property"). The Property is approximately 7.1 acres of land, developed with a single building and playing fields, baseball fields, two playgrounds, an outdoor in-ground pool, two outdoor basketball courts, and two outdoor tennis courts. This Phase I ESA was performed as part of the due diligence required for funding related to the redevelopment of the Property.

Review of historical documents, including aerial photographs, Sanborn Fire Insurance Maps and Philadelphia GeoHistoryMaps, indicate that the Property operated as a Presbyterian Orphanage from 1895 to as late as 1964. As early as 1964, the Property was owned by the City of Philadelphia and was developed for use as a recreation center. Based on review of subsequent mapping years, the Property continued to be used for that purpose.

This Phase I ESA was performed in conformance with the scope and limitations of ASTM Practice E1527-13. This assessment has revealed no recognized environmental conditions (RECs) in connection with the Property with the exception of the following:

- Lead in soil screening was completed. A summary of the results are presented in Table 4. Four of 50 samples were reported with lead concentrations that exceeded the EPA standard of 400 ppm, with one sample exceeded the PADEP standard of 500 ppm. The highest reported concentration was 510 ppm. The presence of elevated concentrations of lead in soils is considered a REC.

Duffield notes that statistical assessment of analytic results indicate the soils would meet the standards established by EPA and PADEP; however, the City has adopted 400 ppm as the threshold for additional assessment of soils at park properties irrespective of statistical assessment of the data. Duffield recommends these results be reviewed with Philadelphia Parks and Recreation to determine whether further assessment of lead in the near surface soils on the Property is warranted under their policies.

At the request of the User of this report, additional services were requested.

- An inventory of universal hazardous wastes present in the building was completed. The inventory is summarized in Table 1.
- An asbestos survey was completed. Testing of building materials indicates that asbestos is present in or on the building. A summary of asbestos-containing building materials is presented in Table 2.
- A lead-based paint inspection was completed. Lead-based paint and lead-containing coatings are present in or on the building. A summary of lead-based paint coated materials is presented in Table 3.

Recommendations are provided in Section 7.E of this report.

1. INTRODUCTION

This report summarizes Duffield Associates, LLC's (Duffield's) Phase I Environmental Site Assessment (ESA) of the property identified as the Francis Myers Recreation Center located at 5800 Chester Avenue in the Kingsessing Neighborhood of Philadelphia, Pennsylvania (the "Property"). This Phase I ESA was performed as part of the due diligence required for funding to support the rehabilitation/redevelopment of the Property.

The assessment was performed in general accordance with the practice outlined in ASTM International's "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessments Process" (ASTM E1527-13). The ASTM E1527-13 practice is recognized under the United States Environmental Protection Agency's (EPA) "Standards and Practices for All Appropriate Inquiries" (Code of Federal Regulations, Title 40, Part 312).

The User of this report requested additional services. These include the following:

- An inventory of universal hazardous wastes as defined under Title 40 of the Code of Federal Regulations (CFR) Part 273 (40 CFR 273). Universal hazardous wastes include batteries, pesticides, mercury-containing equipment, and lamps.
- An asbestos survey.
- A lead-based paint survey.
- Lead in soil screening.

The asbestos survey, lead-based paint survey, and lead in soil screening services are discussed in Section 7.H Non-Scope Considerations.

A. LOCATION AND LEGAL DESCRIPTION

The Property is comprised of two tax parcels located between South Redfield Street, Chester Avenue, South 58th Street, and Kingsessing Avenue in Philadelphia, Pennsylvania (Figure 1). The City of Philadelphia government online database provides the following information:

- The address is 5800 Chester Avenue, Philadelphia PA 19121-3700.
- The Owner of the parcel is the City of Philadelphia Department of Public Property.
- The Office of Property Assessment (OPA) account number is 783092500.
- The land area is approximately 7.1 acres.
- The Property is zoned SP-PO-A (Recreation).

The tax information is provided in Appendix A.

B. PURPOSE

The purpose of this Phase I ESA was to identify recognized environmental conditions (RECs) at the Property. Within limitations, the term RECs means the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property:

(1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.

C. DETAILED SCOPE OF SERVICES

Duffield reviewed selected historical and regulatory information pertaining to the Property and nearby lands, and performed a walking visual reconnaissance in accordance with the scope of services described in Appendix B.

D. SIGNIFICANT ASSUMPTIONS

This report is based on Duffield's professional judgment of environmental conditions observed during our visual reconnaissance of the Property, our interpretation of the reviewed aerial photographs, historical documents, regulatory information, and information conveyed to us through interviews. Our ability to effectively identify and assess environmental conditions is based on assumptions that: the conditions of concern were visible; the documents reviewed provide a reasonable and accurate record of historic land use and practices; and the interviewees provided thoughtful and truthful responses to the questions posed and are familiar with past practices and occurrences at the Property.

E. LIMITATIONS AND EXPECTATIONS

While this evaluation was performed in an effort to generally characterize the environmental conditions of the Property, the observations, conclusions, and recommendations are based solely on conditions encountered at the time of the reconnaissance effort. Latent conditions and other contingencies bearing upon the environmental condition of the site may be evident in the future.

F. USER RELIANCE

This report has been prepared for the City of Philadelphia, the "Users" of this document. No other parties may rely upon the information contained in this report without the prior written consent of Duffield.

2. USER-PROVIDED INFORMATION

Mr. Daniel Harkins of the City of Philadelphia, Department of Public Property, representing the User and supporting preparation of this Phase I ESA, completed a User Questionnaire provided in Appendix C of this report. Responses to the questionnaire are summarized below.

A. DOCUMENTS

Duffield made a request for helpful documents to assist in the preparation of this environmental site assessment. No documents were provided by the User.

B. ENVIRONMENTAL LIENS OR ACTIVITY AND USE LIMITATIONS (AULS)

The User is unaware of any environmental liens, engineering controls, land use restrictions, or institutional controls associated with the Property.

C. SPECIALIZED KNOWLEDGE

The User did not have any specialized knowledge of the Property or the surrounding properties.

D. COMMONLY KNOWN OR REASONABLY ASCERTAINABLE INFORMATION

Mr. Harkins did not know the past uses nor is he aware of any spills or releases of chemicals at the Property.

E. VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES

Mr. Harkins indicated that the purchase price of the Property is not applicable because the city is not purchasing the Property.

F. OWNER, PROPERTY MANAGER, AND OCCUPANT INFORMATION

- Owner: The City of Philadelphia Department of Public Property.
- Site Manager: Mr. Chris Creelman, Director of Special Projects, Department of Parks and Recreation.
- Site Occupant: Erik Pitts, Recreation II – Facility Caretaker for the Francis Myers Recreation Center.

G. REASON FOR PERFORMING PHASE I

The User of this report is performing the due diligence required for funding related to the rehabilitation/redevelopment of the Property.

3. RECORDS REVIEW

A. PHYSICAL SETTING SOURCE

Based on Duffield's review of a United States Geological Survey (USGS) topographic map (Figure 1 – Site Location Map), the Property appears to be located on a topographic high compared to land areas to the west. The topographic map indicates that the ground surface elevation of the Property is approximately 80 feet above mean sea level (MSL). Based on the topography in this area, stormwater (overland flow) and groundwater at the Property would likely flow west-southwest towards Cobbs Creek, which is located approximately 0.33 miles west of the Property. Lands estimated to be upgradient or cross gradient of the Property are limited to potentially elevated areas to the northeast and areas approximately 0.04 miles east of the Property.

B. STANDARD ENVIRONMENTAL RECORD SOURCES

Our subcontractor, EDR, Inc. (EDR), obtained information from standard environmental records sources for sites identified within the ASTM E1527-13 search radii. EDR's Radius Map Report presents a summary of environmental database search results. The Radius Map Report, dated November 1, 2019, is included in Appendix D.

The Radius Map Report's search results were refined to listings of the Property, adjoining sites, and potentially "upgradient" sites within the search radii only. Table A (below) refines the Radius Map Report's search results listings of the Property, adjoining sites and "upgradient" sites. Potentially "upgradient" sites are estimated based on the anticipated groundwater flow direction as described in Section 3.A (Physical Setting Source). Sites listed in this table could be potential RECs in connection with the Property.

Discussions of the sites, listed below in Table A, are provided in Section 7.A (Findings and Opinions).

**Table A: Refined Environmental Database Listings
(The Property, Potentially Upgradient Sites, and Adjoining Sites)**

Standard Regulatory Databases	Upgradient Minimum Search Distance (miles)	Site Name	Site Address
Federal NPL site list	1.0	None	-
Federal Delisted NPL site list	0.5	None	-
Federal CERCLIS list	0.5	None	-
Federal CERCLIS No Further Remedial Action Planned (currently known as SEMS-ARCHIVE)	0.5	None	-
Federal RCRA Corrective Action Report (CORRACTS)	1.0	None	-
Federal RCRA non-CORRACTS TSD	0.5	None	-
Federal RCRA generators list	Property/ Adjoining	None	-
Federal institutional control/engineering control	Property only	None	-
Federal Emergency Response Notification System list	Property only	None	-
SHWS - State NPL	1.0	None	-
State CERCLIS	0.5	None	-
State and tribal landfill and/or solid waste disposal sites	0.5	None	-
State and tribal leaking storage tank lists (LUST/LAST)	0.5	Phila Presbytery Homes	2050 S 58 th St (Adjoining)
State and tribal registered storage tank lists	Property/ Adjoining	None	-
State and tribal institutional control/engineering control	Property only	None	-
State and tribal voluntary cleanup (VCP) sites	0.5	Nursing Care Ctr 58 th Street	2060 S 58 th St
State and tribal Brownfield sites	0.5	None	-

CERCLIS = Comprehensive Environmental Response, Compensation, and Liability Information System

RCRA = Resource Conservation Recovery Act

TSD = Treatment, Storage, and Disposal

SHWS = State Hazardous Waste Sites

NPL = National Priority List

C. ADDITIONAL ENVIRONMENTAL RECORD SOURCES

Duffield searched additional environmental record sources including the Philadelphia GeoHistory Network, the Pennsylvania Activity and Use Limitation (PA AUL) Registry, the Pennsylvania Department of Environmental Protection (PADEP) eFACTS online database, and the United States Environmental Protection (USEPA) online database for additional information pertaining to the Property and sites listed in Table A above, if any.

1. PHILADELPHIA GEOHISTORY NETWORK

Duffield searched the Philadelphia GeoHistory Network, which provides historic mapping for the period of 1843 through 1962, for additional information pertaining to the Property, if any. Maps including Philadelphia Atlas Maps and Philadelphia Land Use Maps from 1843, 1862, 1895, 1910, 1942, and 1962 were reviewed and are included in Appendix E.

Table B: Philadelphia GeoHistory Land Use Maps

Map Date	The Property	Adjoining Sites
1843	The Property is vacant land.	Adjoining sites to the north, east, west, and south appear to be vacant land.
1862	No significant changes are apparent.	A tributary is depicted on the adjoining site to the northwest. No other significant changes are apparent.
1895	The Property is labeled "Presbyterian Orphanage". 59 th Street is depicted as intersecting the southern portion of the Property. Six buildings and one shed, south of 59 th Street, are depicted on the Property.	The southeast adjoining site is labeled "Presbyterian Home" and two buildings and a shed are depicted. No other significant changes are apparent.
1910	No significant changes are apparent.	The tributary on the adjoining site to the northwest is no longer depicted. Residential row-houses are apparent at adjoining sites to the northwest and southwest. Westminster Church and one building are apparent at adjoining sites to the northeast. No other significant changes are apparent.
1942, 1962	No significant changes are apparent.	The adjoining site east of Westminster Church is now labelled "Presbyterian Orphanage".

2. PA AUL REGISTRY

Duffield searched the Pennsylvania Activity and Use Limitation (PA AUL) Registry for additional information pertaining to the Property and sites listed in Table A above, if any. No PA AULs were found for the Property or the sites listed above in Table A. The AUL Registry Map is attached in Appendix F.

3. PADEP EFACTS WEBSITES

Duffield searched the Pennsylvania Department of Environmental Protection (PADEP) eFACTS online databases. The following documents regarding the Property and sites listed above in Table A were obtained:

- Phila Presbytery Homes: eFACTS Facility & Authorization Search Details; and
- Nursing Care Ctr at 58th Street: eFACTS Facility and Land and Recycling Information Search Details.

The above documents are provided in Appendix F.

4. USEPA ENVIROFACTS WEBSITE

Duffield searched the United States Environmental Protection Agency (USEPA) Envirofacts online database. No relevant documents were obtained.

5. ORPHAN SITES

Three orphan sites are listed in the EDR Radius Map Report (Appendix D). Orphan sites are those that could not be located on a map by EDR. Duffield reviewed the orphan sites and found them to be located beyond the search radius for the Standard Environmental Records Source Database in which they were listed, and therefore, were not included on Table A.

6. CITY OF PHILADELPHIA RECORDS

Duffield reviewed the City of Philadelphia online zoning archive database and Licenses and Inspections online permit database. Documents were obtained including zoning applications/permits and site plans. One zoning permit, dated May 2, 1946, describes the installation of one 2,000-gallon fuel oil underground storage tank (UST) for heating purposes. According to an attached drawing plan, the UST is located northeast of the Property on an adjoining site between South 58th Street and South Cecil Street. Documents obtained are included in Appendix F.

4. HISTORICAL USE INFORMATION

Duffield reviewed historical aerial photographs and Sanborn fire insurance maps collected by EDR. The historical use information, summarized below, was reviewed for past usage of the Property and surrounding areas that may affect environmental conditions.

A. HISTORICAL AERIAL PHOTOGRAPHS

Duffield reviewed historical aerial photographs provided by EDR from the years 1937, 1943, 1945, 1950, 1953, 1965, 1967, 1971, 1975, 1981, 1988, 1993, 1999, 2006, 2010, 2013 and 2017. The following table summarizes pertinent information from the review of the historical aerial photographs, which have been included in Appendix G.

Table C: Historical Aerial Photograph Summary

Aerial Photograph Date	The Property	Adjoining Sites
1937	Poor image resolution.	Poor image resolution.
1943, 1945, 1950, 1953	The Property appears as a shared community with pathways connecting the housing and administration buildings. Ten total buildings are present on the Property.	The adjoining sites to the southeast include a large housing facility and numerous residential row-houses. The adjoining sites to the northwest and southwest appear to be mostly residential use. Adjoining sites to the northeast appears to be mixed commercial and residential use.
1965, 1967	Buildings are no longer present in the middle and southwest portions of the Property. Three large buildings remain in the northwest, northeast, and southeast corners of the Property. The area surrounding the buildings appear to be for recreational use. Baseball fields are apparent in the center and southwest portions of the Property.	The large housing facility adjoining the Property to the southeast appears to have added an addition. No other significant changes are apparent.
1971	The building in the southeast corner of the Property is no longer present. No other significant changes are apparent.	No significant changes are apparent.
1975	A pool is apparent in the northwest corner of the property and the previous building is no longer present. Tennis courts and basketball courts are shown south of the last remaining building. No other significant changes.	No significant changes are apparent.
1981	No significant changes are apparent.	No significant changes are apparent.
1985	The building on the Property appears to have added an addition to its western side.	No significant changes are apparent.
1993	Poor image resolution.	Poor image resolution.
1999	No significant changes are apparent.	The large housing facility adjoining the Property to the southeast appears to have added and/or extended buildings.
2006, 2010, 2013, 2017	No significant changes are apparent.	No significant changes are apparent.

B. HISTORICAL FIRE INSURANCE MAPS

Duffield reviewed historical Sanborn Fire Insurance Maps (Sanborn Maps) for the Property provided by EDR for the years 1925, 1950, 1974, 1979, 1989, 2001, 2003, 2005. The following table summarizes information from the review of the Sanborn Maps, which have been included in Appendix H.

Table D: Historical Fire Insurance Map Summary

Sanborn Map Date	The Property	Adjoining Sites
1925	The Property is labelled as Presbyterian Orphanage. Three separate cottages and one large administration building, that includes a cottage and a chapel, are located on the northern portion of the Property. Three separate cottages are located in the center of the Property and the southern portion of the Property is separated by a “paper” road (e.g., labelled not open) and includes one cottage and one building with a laundry room and an engine room. In the engine room, two horizontal steam boilers with a brick chimney are mapped adjacent to the southeast corner of the building.	Adjoining sites to the northwest and southwest are primarily residential dwellings and storefronts. Westminster Presbyterian Church and two cottages labeled Presbyterian Orphanage adjoin the Property to the northeast. The southeast adjoining site is labelled Presbyterian Home for Widows. A large living facility with a chapel, one building, and one shed is depicted. The smaller building includes a laundry room and a boiler room. The boiler room is mapped with two horizontal boilers with a brick chimney adjacent to the building.
1950	A building is mapped south of the cottage, in the southern portion of the Property. A building labelled as Mersmon Infirmary is in the southeast corner of the Property. No other significant changes are apparent.	An addition to the living facility of the southeast adjoining site, Presbyterian Home for Widows, is apparent. No other significant changes are observed.
1974	The Property is labelled “City of Philadelphia Recreation Center” and the paper road is no longer mapped. All but two buildings have been removed from the Property, these are: the administration building in the northeast corner of the Property and the cottage located in the northwest corner.	The two cottages adjoining the Property to the northeast are labelled as Westminster United Presbyterian Church. The two horizontal boilers depicted earlier on the southeast adjoining site are no longer present. No other significant changes are apparent.
1979	The vacant building is no longer present on the Property. No other significant changes are apparent.	No significant changes are apparent.
1989	The Property is now labeled as City of Philadelphia, Francis J. Myer’s Recreation Center. No other significant changes are apparent.	No significant changes are apparent.
2001	No significant changes are apparent.	A new living facility and buildings are now depicted on the southeast adjoining site, Presbyterian Home for Widows. The earlier buildings are no longer present. No other significant changes are apparent.
2003, 2005	No significant changes are apparent.	No significant changes are apparent.

5. SITE RECONNAISSANCE

A site reconnaissance of the Property was performed on November 18, 2019. The walking reconnaissance consisted of a visual review of present site conditions for indications of RECs. During the reconnaissance, Duffield personnel, Mr. Matthew Staunton met with Erik Pitts, Recreation II – Facility Caretaker for the Francis Myers Recreation Center. On March 25, 2021, Ms. Kimberly Hess performed a site reconnaissance of the third floor of the Property as well as all floors of the Annex due to accessibility issues during the 2019 reconnaissance.

A. METHODOLOGY AND LIMITING CONDITIONS

No limiting conditions were encountered during the site reconnaissance.

B. SITE SETTING

1. CURRENT USE OF THE PROPERTY

The Property consists of a single three-story brick building with a basement that is currently used as a recreation center. The Property also contains sport fields, playgrounds, a swimming pool, tennis courts and basketball courts. The Annex, which is used as office space, is a portion of the building that is accessible through a separate entrance.

2. DESCRIPTIONS OF STRUCTURES, ROADS, AND OTHER IMPROVEMENTS ON THE PROPERTY

The Property is located in the Kingsessing neighborhood of Philadelphia, Pennsylvania on the city block bound by South Redfield Street to the southwest, Chester Avenue to the northwest, South 58th Street to the northeast, and Kingsessing Avenue to the southeast. Concrete-paved paths and paved sport areas are present on the Property as well. The Property is currently utilized by the Francis Myers Recreation Center (Photograph 1).

3. CURRENT USES OF ADJOINING SITES

Adjoining sites to the northeast, southeast, northwest, and southwest of the Property were used for residential, commercial, religious and educational purposes.

- **Northeast:** The Common Place Presbyterian Church and the Cornerstone Christian Academy (Photographs 2 & 3).
- **Southeast:** Residential Row Houses and Ann Thomas Presbyterian Apartments (Photograph 4 & 5).
- **Northwest:** Residential Row Houses and a corner grocery and deli store. (Photographs 6 & 7).
- **Southwest:** Residential Row Houses (Photograph 8).

C. EXTERIOR OBSERVATIONS

Multiple sports areas were observed on the exterior portions of the Property including two basketball courts (Photograph 9), two baseball fields (Photograph 10) and two tennis courts (photograph 11). Two playgrounds were observed, west of the recreation building (Photograph 12), one fenced in garden to the east of the recreation building (Photograph 13), and one in-ground swimming pool with a small storage area was observed on the northwest corner of the Property (Photograph 14). One electrical cabinet used to house a meter for field lighting was observed to the west of the baseball fields along Chester Avenue (Photograph 15). An meter box for field lights was observed on the northwest corner of the Recreation building (Photograph 16).

D. INTERIOR OBSERVATIONS

The Property consists of a single three-story building with a basement. Observed spaces on the first level include a main lobby and hallway, game room, computer room, restrooms, office, kitchen, gym (Photograph 17), security room, and maintenance closet. The maintenance closet contained cleaning supplies (Photograph 18). The second floor was used as a dance room (photograph 19), kitchen, classrooms, and restrooms. The third floor was undergoing demolition and is currently a large empty space not being used (Photograph 20). The basement of the building contained the boiler room, maintenance room, storage rooms, and ceramics room. The boiler room housed one natural-gas fired boiler, along with two hot water heaters (Photograph 21). A floor drain was also observed in the boiler room. The maintenance room contained Marblewhite 325 solution grade mined limestone fertilizer, bleach, three half-full 2.5-gallon gasoline cans (Photograph), floor cleaner, disinfectant spray, eleven gallons of paint (Photograph 23), twenty-five gallons of floor tile adhesive, and lawn equipment. No indications of spills or leaks were observed in the basement. Pipe chases were also observed in the basement, but were not accessible. No obvious environmental concerns were observed.

Attached to the recreation building on the Property is the “Annex” building. The first floor of the Annex is used as offices with two single occupant bathrooms and rooms used to store supplies and cleaning materials (Photograph 24). The second floor (Photograph 25) and third floor (Photograph 26) of the annex are not currently in use; both floors were in disarray with lights and pieces of floors and walls missing. The basement of the annex was currently not used. The basement appears to have had water intrusion, which has caused an apparent organic growth on the floor (Photograph 27). There was a floor drain located in the bathroom of the basement. No apparent RECs were observed.

E. OBSERVATION SUMMARY [EXTERIOR AND INTERIOR]

Storage Tanks: No storage tanks were observed during the site reconnaissance.

Odors: No strong, pungent, or noxious odors were observed during the site reconnaissance.

Pools of Liquid: Standing water was observed during in the Annex basement. Apparent intrusion of groundwater or seeps were observed.

Drums/Hazardous Substances or Petroleum Products Containers: Three half-full, 2.5-gallon gasoline canisters were observed on the Property during the reconnaissance. Approximately five emergency lights containing lead acid batteries were observed in the buildings. In addition, approximately 507 fluorescent light bulbs were observed throughout the building’s interior and exterior. These bulbs typically contain trace amounts of mercury, and should be managed under the under Universal Waste regulations (40 CFR 273) if these materials will be disposed.

PCBs: Potential PCB-containing electrical equipment may include lamp ballasts and transformers. According to the EPA, typically lamp ballasts manufactured prior to 1979 have a greater than 50% chance of containing regulated levels of PCBs. Regulations

required that ballasts manufactured between July 1978 and July 1998 be marked "No PCBs" by the manufacture.

A subset of the ballasts were reviewed, and those observed were labelled as "No PCBs." Potential PCB-containing lamp ballasts are discussed further in Section E. Recommendations.

Similar to lamp ballasts, dielectric oils in transformers have the potential to contain PCBs. While the manufacture of PCBs in the United States was banned in 1979, older transformers have the potential to contain PCB-oils. An electrical transformer was observed near the northwest corner of the building (Photograph 16).

Heating or Cooling: One natural gas-fired boiler was observed in the basement of the building. Water fountains, refrigerators, and window air conditioning units were observed throughout the building. The water fountains and refrigerators were labeled as containing refrigerant type 134A and the window air conditioning units were either not labeled or the labels were illegible.

Stains or Corrosion: No apparent petroleum-like staining was observed.

Drains or sumps: Floor drains were located in the bathrooms of the building and in the boiler room.

Pits, Ponds, or Lagoon: No pits, ponds or lagoons were observed on the Property.

Stained Soils or Pavement: No stained soils or pavement (exterior) was observed during the site reconnaissance.

Stressed Vegetation: No stressed vegetation was observed during the site reconnaissance.

Solid Waste: No solid waste was observed in the building or on the Property.

Wastewater: No on-site discharges were observed, such as ditches, underground injection systems or on-site or adjacent streams.

On-site Wells: No potable, monitoring, or observation wells were observed at the Property.

Septic Systems: No septic systems were identified at the Property.

Oil/Water Separators: No oil/water separators were observed at the Property.

6. INTERVIEWS

A. INTERVIEW WITH OWNER/OCCUPANT REPRESENTATIVE

Mr. Erik Pitts, Recreation II – Facility Caretaker for Francis Myers Recreation Center

Mr. Staunton interviewed Erik Pitts, Recreation II – Facility Caretaker for the Francis Myers Recreation Center on November 18, 2019 during the site reconnaissance. Mr. Pitts indicated that he has been associated with the Francis Myers Recreation Center for approximately 21 years. According to Mr. Pitts, the Property was an orphanage before it became a recreation center. Mr. Pitts could not provide any specific dates. Mr. Pitts indicated that the third floor or basement is inaccessible and empty because of an unfinished renovation project by the City of Philadelphia and that this area was once used for religious purposes. Duffield inquired about current or past underground storage tanks (USTs) on the Property. Mr. Pitts did not have any knowledge of past or present USTs on the Property. He was unaware of any environmental concerns associated with the Property.

B. INTERVIEW WITH GOVERNMENT OFFICIAL

Duffield's personnel, Mr. Matthew Staunton, interviewed Ms. Quadira Glover of the PADEP Southeast Regional Office on November 15, 2019. Ms. Glover indicated that the PADEP had no records on the Property.

C. INTERVIEW WITH PAST OWNERS, OPERATORS AND OCCUPANTS

Duffield was unable to obtain interviews with past owners, operators, and occupants.

7. EVALUATION

A Duffield environmental professional has evaluated the data used to support the preparation of this Phase I ESA report. The environmental professional's qualifications and those of the environmental technician are presented in Appendix I.

A. FINDINGS AND OPINIONS

Duffield reviewed the gathered information to identify RECs. According to ASTM E1527-13, the term REC means the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. RECs do not include *de minimis* conditions that generally do not present a threat to human health or the environment and generally would not be the subject of an enforcement action if brought to the attention of regulatory agencies.

Findings of interest for this Phase I ESA and associated opinions are as follows:

- **The Property, Francis Myers Recreation Center, 5800 Chester Avenue**

Review of historical documents, including aerial photographs, Sanborn Fire Insurance Maps, and Philadelphia GeoHistoryMaps, indicate that the Property was owned by the City of Philadelphia as early as 1965. By 1974, the Property was developed for use as a recreation center. Based on review of subsequent mapping years, the Property has continued to be used for that purpose.

Chemicals and Supplies. During the site reconnaissance, gasoline containers, a variety of chemicals including cleaning supplies, paint, and other miscellaneous materials were observed throughout the buildings. These materials, where observed, appeared to be stored in closed/sealed containers and packaged in *de minimis* quantities (i.e., less than 5 gallons or 20 pounds each). No stains, leaks or damages to packaging were observed. Based on the *de minimis* quantity of the containers and relatively good condition of the packaging, the products are not considered RECs of the Property.

Hazardous Materials Survey. Duffield completed a hazardous materials survey of the building on November 18, 2019. The survey included an inventory of universal hazardous wastes. As per the Federal regulation (40CFR273), UHWs consist of four categories: batteries, pesticides, mercury-containing equipment, and lamps. The universal waste regulations require that the materials be managed in a way to prevent releases to the environment and tailors those requirements to each type of universal waste. Recommendations for handling these materials is presented in Table 1. No indication of a release of hazardous substances from these materials was observed. No sampling or analysis was performed to confirm the presence of hazardous substances, where observed, and if these materials were assumed to be hazardous. The presence of certain UHWs at the Property is not considered a REC.

Urban Land. Urban land in Philadelphia is often environmentally impacted by imported fill material containing hazardous substances, in particular lead, arsenic, and polynuclear aromatic hydrocarbons (PAHs). In our experience, regulatory agencies do not intentionally pursue cleanup of this common and widespread condition. However, if soils from the site were to be removed, it is likely that the soil would not be considered “clean” and should be managed in accordance with applicable PADEP requirements (e.g., PADEP, 2020. Management of Fill Policy). It is Duffield’s opinion that the potential presence of historic fill at the Property is not considered a REC, but rather a *de minimis* condition and a potential business risk.

Similarly, given the historic presence of demolished buildings on the Property, it is likely the former basements were filled some time prior to 1964. The fill materials likely meet the definition of historic fill as per the Management of Fill Policy (2020) and testing of these materials would be required to evaluate reuse. While not considered a REC as noted above, this condition is considered a business risk.

- **Phila Presbytery Homes, 2050 S 58th St (Adjoining)**

Relative Location: The site is located approximately 0.06 miles or 291 feet east of the Property.

Pennsylvania Unregulated Leaking Tanks (UNREG LTANKS) List. The Radius Map Report (Appendix D) lists the site on the UNREG LTANKS list. According to the Radius Map Report, the contaminant is listed as Fuel Oil No. 2 and the class is listed as “Cleanup of Tanks Using Authorities Other Than Act 32.” This classification indicates that the release was from an unregulated storage tank and PADEP registration and reporting were not required. The Radius Map Report lists the closure of the incident as not reported. The PA eFACTS website lists the site as Inactive and provides no additional information. Review of information provided in the Radius Map Report for the site “Nursing Care Center at 58th Street” suggest that the Phila. Presbyterian Homes site and the Nursing Care Center site are the same. Cleanup of the release appears to have occurred through Act 2 and under the name of the Nursing Care Center site. The cleanup is discussed further in the next section.

- **Nursing Care Ctr at 58th Street, 2060 S 58th St (Adjoining)**

Relative Location: The site is located approximately 0.07 miles or 348 feet east of the Property.

Voluntary Cleanup Program (VCP). The Radius Map Report (see Appendix D) lists this site on the PA VCP list. According to the PADEP eFACTS website (see Appendix F), a release of Fuel Oil No. 2 to soil occurred. A Notice of Intent to Remediate (NIR) soil impacted by Fuel Oil No. 2 was published in the Pennsylvania Bulletin on June 21, 2003. A Final Report, demonstrating attainment of residential Statewide Health Standards, was approved by the PADEP on August 21, 2003. Based on the regulatory closure, it is our opinion the site does not pose a likely threat to the Property and is not considered a REC.

B. VAPOR MIGRATION

The findings presented in this report were reviewed for indications of the potential for contaminant vapors to migrate onto the Property as a result of contaminated soil or groundwater on or near the Property. The adjoining Philadelphia Presbytery Homes/Nursing Care Center site was identified as the location of a release of petroleum.

The proximity distances published by PADEP in the “*Land Recycling Program Technical Guidance Manual for Vapor Intrusion into Buildings from Groundwater and Soil under Act 2,*” (Document No. 261-0300-101, January 18, 2017) for petroleum hydrocarbons is 30 feet and non-petroleum substances is 100 feet. Review of the Radius Map Report (see Appendix D) indicates that the release site is located beyond 30 feet of the tax parcel boundary of the Property. As the release is petroleum and the site was granted regulatory closure, it is our opinion that a vapor migration risk to the Property from this site is unlikely.

C. SIGNIFICANT DATA GAP REVIEW

A significant data gap is an absence of information that affects the ability of the environmental professional to identify RECs. As part of the ASTM E1527-13 standard (ASTM Section 12.7), the environmental professional identifies and comments on significant data gaps, if any, and identifies the sources of information consulted to address the data gaps. In addition, because the ASTM standard (Section 8.2.2) specifically requires an opinion, attention was made to the sufficiency of the regulatory agency file and records review. Duffield's opinion regarding the completeness of the provided information is presented below.

Adequacy of Regulatory Agency File and Records Obtained. If the Property or adjoining properties are identified on one or more of the “standard environmental record sources” referenced in Section 3.B (Standard Environmental Record Sources), the ASTM E1527-13 method (Section 8.2.2) requires an opinion from the Environmental Professional regarding whether a “regulatory file review” is warranted. The “regulatory file review” conventionally refers to a visit to the Federal or State environmental regulatory agency's file room. The ASTM method recognizes that performance of a regulatory file review is not always practical for reasons, which include, but are not limited to, the following:

1. Identification of the Property or adjoining property through the standard environmental record sources is not accurate (e.g., the record provided an inaccurate address).
2. Information is not obtainable within 20 calendar days of a request.
3. The information can be obtained from alternative sources (e.g., on-site records, User-provided records, website databases, and interviews).

For this assessment, an adjoining site was identified on one or more of standard environmental record sources as identified in the ASTM E1527-13 method. In accordance with the ASTM standard, Duffield contacted PADEP as well as submitted a request to review files. PADEP responded that no files were available for the site. Duffield also reviewed the eFACTS database for pertinent regulatory files and/or records associated with adjoining sites. Reviewed documents are listed in Section 3.C (Additional Environmental Record Sources). Based on our experience, and in our opinion, additional regulatory file review would not likely change the conclusions of this report.

Significant Data Gaps. Duffield was unable to obtain interviews with past owners, operators, and occupants. The Property has been owned and occupied by the same entity as early as 1974. Accordingly, no significant data gaps were identified during completion of this Phase I ESA.

Limiting Conditions. Limiting conditions were identified. Pipe chases or “crawl spaces” were observed in the basement of the building. These areas were inaccessible and were visibly reviewed the extent feasible. With the small size of the pipe chases, the storage of petroleum or chemicals in these areas is unlikely and was not considered a REC.

D. CONCLUSIONS

1. RECOGNIZED ENVIRONMENTAL CONDITIONS

Duffield has performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E1527-13 of the Property located at 5800 Chester Avenue in Philadelphia, Pennsylvania. Any exceptions to, or deletions from, this practice are described in Section 5.A (Methodology and Limiting Conditions) of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the Property with the exception of the following:

- Lead in soil screening was completed. A summary of the results are presented in Table 4. Four of 50 samples were reported with lead concentrations that exceeded the EPA standard of 400 ppm, with one sample exceeded the PADEP standard of 500 ppm. The highest reported concentration was 510 ppm. The presence of elevated concentrations of lead in soils is considered a REC. See Section H.3. for further discussion.

E. RECOMMENDATIONS


- For lead in surface soils, while statistical review of analytic results indicate the soils would meet the standards established by EPA and PADEP, the City has adopted 400 ppm as the threshold for additional assessment of soils at park properties. Duffield recommends these results be reviewed with Philadelphia Parks and Recreation to determine whether further assessment of lead in the near surface soils on the Property is warranted under their policies.
- Recommendations for the reuse (recycle) or disposal of materials identified as universal hazardous wastes are provided in Table 1.
- Identified asbestos-containing materials (ACMs) must be removed prior to demolition/renovations of the building. A summary of ACMs is provided in Table 2, and Synertech's Asbestos Inspection Report is provided in Appendix J.
- Lead-based paint (LBP) and lead-containing coatings (LCC) was identified on plaster walls and ceilings, window frames and casings, walls, cabinets, ceramic wall tiles, roof drain pipes, ceiling, window sills and aprons, baseboards, fire escape stair risers and stringers, and playground sprinkler pole. Lead content was compared to certain thresholds established by HUD, EPA, and OSHA in Table 3. Recommendations for the renovation/demolition of LBP and LCC are provided in Appendix J.

F. EXCEPTIONS OR DELETIONS

No exceptions or deletions from the standard Phase I ESA portions of the proposed scope of services are noted.

G. STATEMENT OF ENVIRONMENTAL PROFESSIONAL

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in Section 312.10 of the United States Environmental Protection Agency's "Standards and Practices for All Appropriate Inquiries" Code of Federal Regulations, Title 40, Part 312 (40 CFR Part 312). I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all-appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



Jennifer L. Gresh, P.G.
Environmental Professional

H. NON-SCOPE CONSIDERATIONS

An asbestos survey, lead-based paint survey, and lead in soil screening were performed as part of this Phase I ESA. Asbestos and lead-based paint do not meet the definition of hazardous substances under the All Appropriate Inquiry (AAI) practice. Accordingly, the presence of these substances is not considered a REC, but rather a potential business risk and are discussed below.

1. ASBESTOS SURVEY

Duffield's subcontractor, Synertech, Inc., conducted an asbestos survey on November 18, 2019, December 10, 2019, January 16, 2020, and March 25, 2021. Synertech provided a City of Philadelphia-licensed Asbestos Investigator to perform the asbestos survey and conduct bulk sampling.

The asbestos survey followed the guidelines outlined in 40 CFR Part 763 (Asbestos Hazard Emergency Response Act) and 29 CFR Part 1926.1101 (OSHA Occupational Exposure to Asbestos, Final Rule). Suspect asbestos-containing materials (ACMs) were sampled and analyzed for asbestos content via Polarized Light Microscopy (PLM), method EPA 600/R0-93/116, the standard method of analysis for determining asbestos content in building materials. Synertech's report is provided in Appendix J.

ACM was identified during the survey. A summary of identified ACM's is presented in Table 2. A completed City of Philadelphia, Department of Public Health, Asbestos Inspection Report is provided in Appendix J.

Asbestos-containing materials included vinyl floor tile, pipe and pipe fitting insulation, radiator heat shield insulation, barrier below the wood gym floor (assumed to be present), cementitious roof shingles, and roofing materials (assumed). Synertech noted that no destructive demolition to walls and ceilings was performed to expose concealed ACMs; therefore, additional quantities of ACMs must be assumed to be present inside of wall and ceiling cavities/penetrations. The crawlspaces accessed from the basement are considered

confined spaces and could not be inspected without a confined space assessment being performed to ensure the spaces are safe for entry.

Synertech recommends the removal of asbestos-containing materials prior to conducting renovations or demolition as per local and Federal regulations.

2. LEAD-BASED PAINT SURVEY

Duffield's subcontractor, Synertech, Inc. conducted a lead-based paint survey (LBP) on November 18, 2019, December 10, 2019, January 16, 2020, and March 25, 2021. A licensed Lead Inspector/Risk Assessor performed the LBP inspection using an X-Ray Fluorescence Spectrum Analyzer (XRF). Synertech's report is provided in Appendix J.

LBP and Lead Containing Coatings (LCC) were identified throughout the recreation building, but not in the Annex. A summary of identified LBP and LCC as compared to several threshold values is presented in Table 3. The threshold values are as follows:

- The City of Philadelphia, Department of Health defines LBP as equal to or greater than 0.70 mg/cm² via XRF.
- The Federal Department of Housing & Urban Development (HUD) and Environmental Protection Agency (EPA) defines LBP as equal to or greater than 1.00 mg/cm² lead via XRF.
- The OSHA definition correlates to a presence or absence of lead content in paints and coatings. OSHA considers results greater than 0.00 mg/cm² lead via XRF a Lead Containing Coating (LCC) and >0.01% by weight via paint chip analysis.

Synertech provided recommendations for the repair, renovation, and/or removal of lead containing materials under the various regulations (EPA, OSHA, HUD, etc.) in their report.

3. LEAD IN SOIL SCREENING

A lead screening was performed of near-surface soils, focusing on the unpaved areas of the Property.

FIELD ASSESSMENT

Duffield notified PA One Call for public utility clearance at the site prior to site work. On November 7, 2019, Duffield personnel performed 25 soil borings to 6 inches below ground surface (bgs) via a shovel and logged soil characteristics (see Table 4). Soil boring locations, shown in Figure 2, were biased towards areas of soil erosion and areas of higher pedestrian use, such as playing fields, unpaved paths, and playgrounds. Duffield also selected soil boring locations to provide spatial coverage of the Property.

Duffield personnel collected soil samples from the 0 to 3 inch interval (Horizon A) and 3 to 6 inch interval (Horizon B) per each soil boring for a

total of 50 soil samples.

Soil samples were field screened using a hand-held Olympus Delta Professional X-ray fluorescence (XRF) analyzer. The XRF analyzer is a geochemical screening method used to determine the elemental composition of inorganic substances (e.g., metals). Duffield also submitted soil samples to SGS North America (SGS) for analysis of total lead by EPA SW-846 Method 6010B. Soils not collected for analysis were returned to the borehole. No other site restoration was performed.

DISCUSSION OF RESULTS AND CONCLUSIONS

Analytical results were screened against the USEPA's soil standards for soil in play areas as published in the Title 40 of the Code of Federal Regulations, Part 745, Lead Identification of Dangerous Levels of Lead, Section II.3. Soil Standards (40 CFR Part 745). Per the regulation, the EPA standard for lead in bare soil in play areas is 400 parts per million (ppm), and 1,200 ppm for non-play areas. A summary of XRF and soil sample analytical results is included in Table 4. The laboratory report is included as Appendix K.

All samples screened by XRF underwent analytic testing for lead. Four of the 50 samples submitted to the laboratory for analysis of lead were reported at a concentration that exceeded the 400 ppm standard for bare soil. The highest reported concentration of lead was 510 ppm in sample FRA-SB8-A. Soil boring locations and exceedances of the 400 ppm screening value are shown on Figure 2.

The four samples reported with lead concentrations in excess of 400 ppm were not collected from play areas with bare soil (Table 4). Samples collected from play areas with bare soil were reported with lead concentrations in the range of 64 ppm to 138 ppm. The average lead concentration for all other soil samples is 123 ppm, well below the 1,200 EPA threshold for non-play areas.

The PADEP Statewide Health Standard for lead in soils at playgrounds and recreational centers is also the direct contact, residential standard of 500 ppm. One sample was reported with a concentration of lead that exceeded the standard (FRA-SB8-A at 510 ppm). Review of analytic results indicates that 92% of the samples do not exceed the EPA or the PADEP standard and no single value exceeds 10 times the standard, thus satisfying PADEP's 75%/10x rule and demonstrating attainment of the Statewide Health Standard.

While statistical review of analytic results indicate the soils would meet the standards established by EPA and PADEP, the City has adopted 400 ppm as the threshold for additional assessment of soils at park properties irrespective of statistical review of data. Duffield recommends these results be reviewed with Philadelphia Parks and Recreation to determine whether further assessment of lead in the near surface soils on the Property is warranted under their policies.

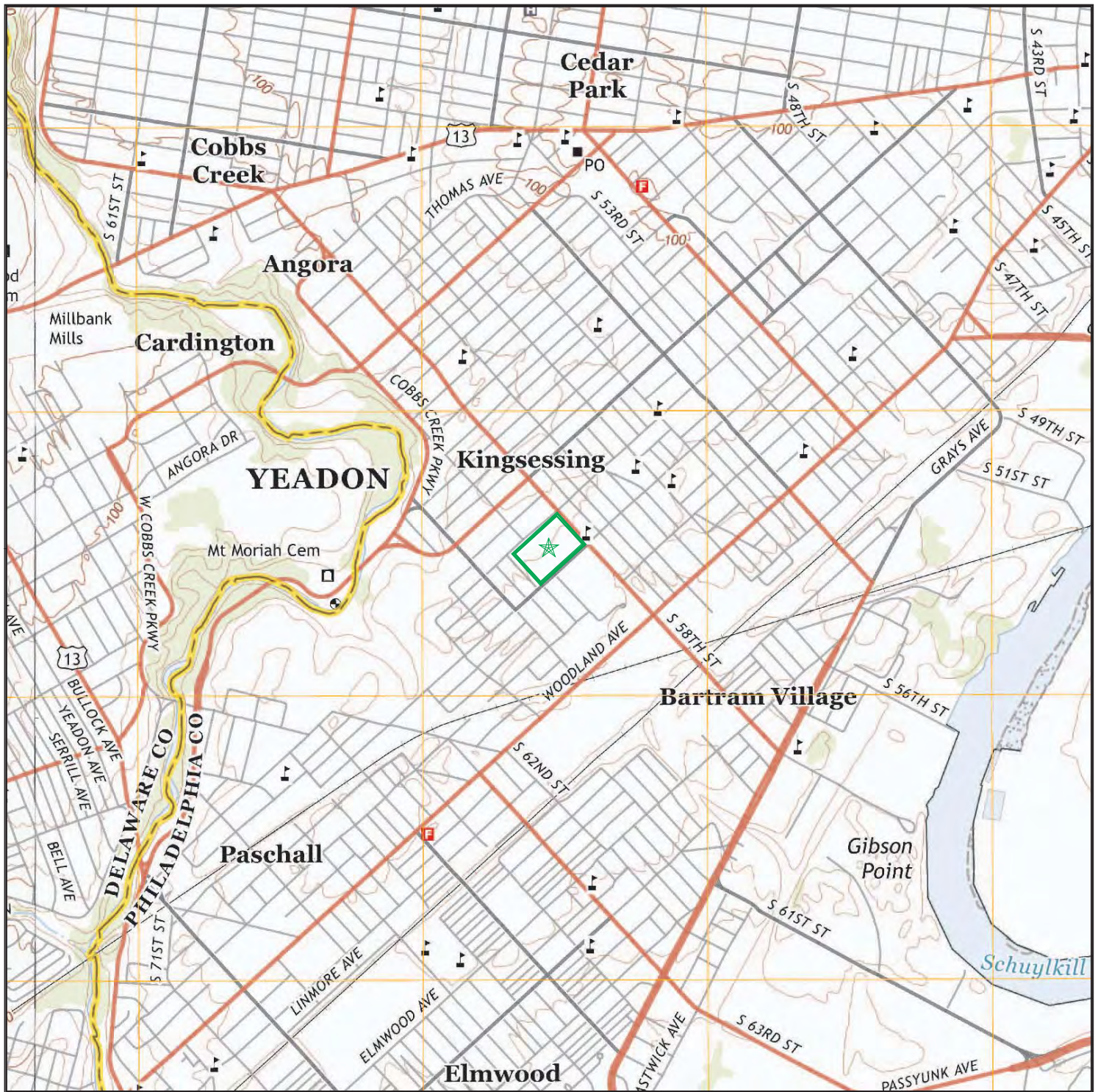
I. REFERENCES

- ASTM International, 2013. *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, ASTM-E1527-13.
- PADEP, 2017. *Land Recycling Program Technical Guidance Manual for Vapor Intrusion into Buildings from Groundwater and Soil under Act 2*, Document No. 261-0300-101.
- PADEP, 2010. *Management of Fill*. Document No. 258-2182-773.
- Pennsylvania AUL Registry. Website: <http://www.depgis.state.pa.us/pa-aul/AulMap.html?>
- Pennsylvania eFACTS. Website: <http://www.ahs.dep.pa.gov/eFACTSWeb/default.aspx>.
- Philadelphia Atlas. Website: <https://atlas.phila.gov/>
- Philadelphia GeoHistory Network. Website: <https://www.philageohistory.org/tiles/viewer/>.
- Philadelphia Property. Website: <http://property.phila.gov/>.

MJS/JLG:cpt
12254EQ.0521-Francis Myers Rec Center-PHI.RPT.REV1

FIGURES

Figure 1 - Site Location Map



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

County Boundary

Power transmission lines

Pipelines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Francis Myers Recreation Center
 ADDRESS: 5800 Chester Ave
 Philadelphia PA 19143
 LAT/LONG: 39.934532 / 75.22886

CLIENT: Duffield Associates, Inc.
 CONTACT: Matthew Staunton
 INQUIRY #: 5854001.2s
 DATE: November 01, 2019 3:35 pm

Legend

- Property Boundary
- Impervious Area
- Soil Boring Locations

BASEMAP:
WORLD IMAGERY
DRAWN BY:
VAS
CHECKED BY:
JLG
FILE:
12254.EQ.1119.Francis Myers

FIGURE 2
 SOIL BORING LOCATION
 AND EXCEEDANCE SKETCH
LEAD SCREENING - SOIL
 FRANCIS MYERS RECREATION CENTER
 5800 CHESTER AVENUE
 PHILADELPHIA~PHILADELPHIA COUNTY~PA

DATE:
NOVEMBER 2019
SCALE:
AS SHOWN
DUFFIELD PROJECT NO.
12254.EQ
SHEET:
1 OF 1



Notes:

1. This figure is part of Duffield Associates' "Francis Myers Recreation Center Phase I Environmental Site Assessment and Hazardous Materials Inventory Report" and should only be viewed in the context of that report.
2. Sample interval 'A' = 0-3 inches below ground surface.
3. Sample interval 'B' = 3-6 inches below ground surface.
4. Lead Concentrations are from laboratory confirmation data only.
5. The City of Philadelphia requested that Duffield use the USEPA standard for lead in bare soil in play areas, which is 400 mg/kg, as the limit for lead in soil. The soil screening level is conservative and is a guidance level that is protective of public health in residential soils based on direct ingestion by children.

TABLES

TABLE 1: SUMMARY OF HAZARDOUS MATERIALS SURVEY
 FRANCIS MYERS RECREATION CENTER
 5800 CHESTER AVENUE
 PHILADELPHIA, PA 19143

FRANCIS MYERS RECREATION BUILDING AND ANNEX				
Material	Description	Location(s)	Quantity	Recommendation
Miscellaneous cleaning chemicals	Cleaner, Paint	Throughout	82 gallons	Reuse or dispose as appropriate
Freon containing units	Window air conditioning units	Throughout	10	Option 1: Reuse (remove) Option 2: Recapture and recycle Freon to be performed by an EPA certified technician, then dispose of equipment as construction debris
Mercury-containing light ballasts	Potentially mercury containing	Throughout	125	Option 1: Reuse Option 2: Dispose as appropriate as hazardous waste
Mercury-containing light tubes, compact fluorescent bulbs (CFLs), and halogen bulbs	4-foot (T8 & T12) and fluorescent CFLs	Throughout	507	Reuse or dispose as appropriate
Polychlorinated biphenyls (PCB) - containing oils	Potentially present in electrical transformers	Exterior - Northwest corner of Recreation Building	Unknown	Recover and dispose in accordance with the Regulation.
Lead-acid batteries	Emergency Lights and Exit Signs	Throughout	45	Option 1: Reuse (remove) Option 2: Dispose as universal hazardous waste.

This table is part of Duffield Associates' Phase I Environmental Site Assessment report prepared for the Francis Myers Recreation Center and dated December 2019 and should be viewed in the context of that report.

TABLE 2: SUMMARY OF ASBESTOS CONTAINING MATERIALS
FRANCIS MYERS RECREATION CENTER
5800 CHESTER AVENUE
PHILADELPHIA, PA 19143

Location(s)	Material	Approximate Amounts of ACM	Condition	Philadelphia Asbestos Control Regulation Classification
Rec Building				
Basement				
Large Center Open Area	Asbestos Containing Pipe & Pipe Fitting Insulation (ACPI/ACPFs)	245 Linear Feet	Damaged	FRIABLE- MAJOR
Large East Area "Wing" below Auditorium	Asbestos Containing Pipe & Pipe Fitting Insulation (ACPI/ACPFs)	35 Linear Feet	Damaged	FRIABLE- MAJOR (combined with Large Center Open Area)
South Equip. Storage Rm. ("Harry's Room")	Asbestos Containing Pipe & Pipe Fitting Insulation (ACPI/ACPFs)	15 Linear Feet	Damaged	FRIABLE- MINOR
Common Hall o/s North Stairs	Asbestos Containing Pipe & Pipe Fitting Insulation (ACPI/ACPFs)	5 Linear Feet	Damaged	FRIABLE- MINOR
Various Crawlspace	Asbestos Containing Pipe & Pipe Fitting Insulation (ACPI/ACPFs)	Quantity Undetermined	N/A	N/A
1st Floor				
Gymnasium (assumed to be present)	Vapor Barrier/Mastic below Gym Floor	5,670 Square Feet	N/A	NON-FRIABLE
NE Community Room (adj. to Exit Stairs)	Asbestos Containing Vinyl Floor Tile below Non- Asbestos Tile and Plywood	310 Square Feet	Good	FRIABLE- MAJOR
All Common Halls	Asbestos Containing Vinyl Floor Tile below Non- Asbestos Tile and Plywood	960 Square Feet	Good	FRIABLE- MAJOR
Office adj. Community Room & Closets	Asbestos Containing Vinyl Floor Tile below Non- Asbestos Tile and Plywood	170 Square Feet	Damaged	FRIABLE- MAJOR
	Radiator heat Shield Insulation (ASSUMED to be present behind radiator)	16 Square Feet	N/A	FRIABLE- MAJOR (combined with floor tile)
North Office Areas & Closets	Asbestos Containing Vinyl Floor Tile below Non- Asbestos Tile and Plywood	456 Square Feet	Good	FRIABLE- MAJOR
North Storage adj. to Exit Stairs	Top Layer Asbestos Containing Vinyl Floor Tile below Plywood	120 Square Feet	Damaged	FRIABLE- MAJOR
	Radiator heat Shield Insulation (ASSUMED to be present behind radiator)	16 Square Feet	N/A	FRIABLE- MAJOR (combined with floor tile)
Storage Rm. Adj. Large Auditorium	Asbestos Containing Vinyl Floor Tile below Non- Asbestos Tile and Plywood	168 Square Feet	Good	FRIABLE- MAJOR
Game Room adj. Gym	Asbestos Containing adhesive a/w 1'x1' Ceiling Tile (ASSUMED to be present-inaccessible - heights)	450 Square Feet	Good	NON-FRIABLE
South Stair Landings	Asbestos Containing Vinyl Floor Tile	180 Square Feet	Good	NON- FRIABLE/ FRIABLE- MAJOR
2nd Floor				
Throughout	ACPI (ASSUMED to be present inside of wall and ceiling cavities)	QU	N/A	FRIABLE- MAJOR
North Corner Office/Room	Asbestos Containing Vinyl Floor Tile	315 Square Feet	Good	FRIABLE- MAJOR
Large Open Area & Halls o/s Kitchen & Storage Rooms	Asbestos Containing Vinyl Floor Tile below Non Asbestos Floor Tile	510 Square Feet	Good	FRIABLE- MAJOR

TABLE 2: SUMMARY OF ASBESTOS CONTAINING MATERIALS
 FRANCIS MYERS RECREATION CENTER
 5800 CHESTER AVENUE
 PHILADELPHIA, PA 19143

Location(s)	Material	Approximate Amounts of ACM	Condition	Philadelphia Asbestos Control Regulation Classification
Kitchen	Asbestos Containing Vinyl Floor Tile below Non Asbestos Floor Tile	130 Square Feet	Good	FRIABLE- MAJOR
Storage Rm. across from Kitchen	Asbestos Containing Vinyl Floor Tile below Non Asbestos Floor Tile	110 Square Feet	Good	FRIABLE- MAJOR
Main Large Hallway	Asbestos Containing Vinyl Floor Tile below Non- Asbestos Tile and Plywood	580 Square Feet	Good	FRIABLE- MAJOR
SW Library Room	Asbestos Containing Vinyl Floor Tile below Non- Asbestos Tile and Plywood	750 Square Feet	Good	FRIABLE- MAJOR
Dance Studio	Asbestos Containing Vinyl Floor Tile below Non- Asbestos Tile and Plywood	705 Square Feet	Good	FRIABLE- MAJOR
Common Area o/s NE Bathrooms	Asbestos Containing Vinyl Floor Tile	40 Square Feet	Good	NON-FRIABLE
Throughout	ACPI (ASSUMED to be present inside of wall and ceiling cavities)	QU	N/A	FRIABLE- MAJOR
Exterior				
Cementitious Roof Shingles	Cementitious Roof Shingles	10756	Good	NON-FRIABLE
Gym	Roofing Materials	6170	Good	NON-FRIABLE
Annex				
1st Floor				
Throughout – All Rooms/Areas	Asbestos Containing Vinyl Floor Tile below Non-Asbestos Tile/Carpet and Plywood	1,958 Square Feet	Good	FRIABLE-MAJOR
2nd Floor				
Throughout – All Rooms/Areas & Stairwell Landings (except Bathrooms)	Tan 9"x 9" Asbestos Containing Vinyl Floor Tile	1,800 Square Feet	Damaged	FRIABLE-MAJOR
3rd Floor				
Front-Center Room	Red 9"x 9" Asbestos Containing Vinyl Floor Tile	270 Square Feet	Good	NON-FRIABLE
Exterior				
Cementitious Roof Shingles & Other Roofing Materials	Cementitious Roof Shingles	13756	Good	NON-FRIABLE
Gym	Roofing Materials	6170	Good	NON-FRIABLE
<p>Please Note: 1. VAT was confirmed to be present below non-asbestos floor tile and and/or plywood at various locations throughout the building. Although the floor tiles are classified as a non-friable material, removal of the VAT will likely result in breakage and thus rendering the VAT friable, therefore, the abatement classification as per the Phila. Asbestos Control Regulation is listed as "FRIABLE". 2. No destructive demolition to ceilings was performed to expose concealed ACMs; therefore, additional quantities of ACMs must be assumed to be present inside of ceiling/pipe penetrations. 3. The hard mud pipe fitting insulation that is associated with fiberglass pipe insulation throughout the building was reported to have a trace amount (<1%) of chrysotile asbestos which makes this material an unregulated non-asbestos material. However, since the Occupational Safety and Health Administration (OSHA), which sets and enforces protective workplace safety and health standards, is unconcerned about the amount of asbestos in building materials, rather the concern is for potential worker exposure to asbestos hazards. Any work involving impact to fitting insulation containing any amount of asbestos shall be performed in accordance with the OSHA asbestos standards for the construction and general industries. These standards reduce the risk to workers by requiring that employers provide personal exposure monitoring to assess the risk for operations where there is any potential exposure to asbestos. 4. The finish coat plaster layer throughout the 2nd floor was reported to have a trace amount (<1%) of chrysotile asbestos which makes this material an unregulated non-asbestos material. However, since the Occupational Safety and Health Administration (OSHA), which sets and enforces protective workplace safety and health standards, is unconcerned about the amount of asbestos in building materials, rather the concern is for potential worker exposure to asbestos hazards. Any work involving impact to plaster containing any amount of asbestos shall be performed in accordance with the OSHA asbestos standards for the construction and general industries. These standards reduce the risk to workers by requiring that employers provide personal exposure monitoring to assess the risk for operations where there is any potential exposure to asbestos.</p>				

Notes:

Abatement classification as per the Philadelphia Asbestos Control Regulation

See Synertech's January 21, 2020, Report for Environmental Investigation (ACM & LBP) & Sampling, Francis Myers Recreation Center, 5801 Kingsessing Avenue, Philadelphia PA provided in Appendix J of this report.

This table is part of Duffield Associates' Phase I Environmental Site Assessment report prepared for the Francis Myers Recreation Center and dated January 2020

TABLE 3: SUMMARY OF LEAD BASED PAINT SURVEY
FRANCIS MYERS RECREATION CENTER
5800 CHESTER STREET

LBP and LCC Components					
Location	Wall	Component	>OSHA Threshold	>HUD/EPA Threshold	>CoP DoH Threshold
Rec Center					
Basement					
North Pottery Room	All	Plaster Walls & Ceilings	X	X	X
	All	Closet Door Frames & Casings	X	X	X
	All	Shelves	X	X	X
1st Floor					
North Common Area & Halls	All	Plaster Walls & Ceilings	X	X	X
	All	Wainscot Moldings	X	X	X
	All	Chair Rail Moldings	X	X	X
South Hall	All	Plaster Walls & Ceilings	X		
	All	Columns	X		
NE Reading Room	All	Plaster Walls & Ceilings	X	X	X
	All	Window Sills & Casings	X		
	All	Window Sashes	X		
	All	Baseboards	X		
NE Caretakers Office	A	Door Casings	X	X	X
	C	Shelves & Supports	X		
	C	Closet Door Frames & Casings	X	X	X
	All	Baseboards	X	X	X
	D	Window Sills & Aprons	X		
	D	Walls (plaster behind drywall)	X		
(North) NW Office	All	Window Sashes	X	X	X
	All	Window Frames	X		
(North) NW Office	All	Closet Door Frames & Casings	X		
	N/A	Ceiling Beams	X		
North Storage Closet	All	Plaster Walls & Ceilings	X		
Front Large Auditorium	All	Columns	X	X	X

TABLE 3: SUMMARY OF LEAD BASED PAINT SURVEY
FRANCIS MYERS RECREATION CENTER
5800 CHESTER STREET

Location	Wall	Component	>OSHA Threshold	>HUD/EPA Threshold	>CoP DoH Threshold
Computer Rm. Closet	All	Wall Tiles	X	X	X
Basement Stairs & Landing	All	Plaster Walls & Ceilings	X	X	X
2nd Floor					
Halls	All	Plaster Walls & Ceilings	X	X	X
Library Room	All	Plaster Walls & Ceilings	X	X	X
	C	Window Frames & Casings	X		
Dance Studio	All	Walls & Ceiling	X		
	D	Cabinets	X		
Hall Utility Closet	All	Ceramic Wall Tiles	X	X	X
	All	Roof Drain Pipes	X	X	X
Common Area o/s East Bathrooms	All	Plaster Walls & Ceilings	X	X	X
	All	Chair Rail Moldings	X	X	X
	All	Wainscot Moldings	X	X	X
East Bathrooms	All	Plaster Walls & Ceilings	X	X	X
	C	Window Sills, Frames & Sashes	X	X	X
	All	Pipes	X		
	All	Wainscot Moldings	X	X	X
North Stairs & Landings	All	Plaster Walls & Ceilings	X	X	X
NE Room on West Side of Hallway	All	Plaster Walls & Ceilings	X	X	X
	All	Baseboards	X	X	X
	All	Window Frames, Aprons & Casings	X	X	X
	All	Window Sashes	X		
	A	Door Frame	X		
	All	Window Sills	X		
North Bathroom	C	Window Frames & Sashes	X		
	A	Door Frame	X		

TABLE 3: SUMMARY OF LEAD BASED PAINT SURVEY
FRANCIS MYERS RECREATION CENTER
5800 CHESTER STREET

Location	Wall	Component	>OSHA Threshold	>HUD/EPA Threshold	>CoP DoH Threshold
(North) NW Room	All	Plaster Walls & Ceilings	X	X	X
	All	Baseboards	X	X	X
	All	Closet Walls & Ceilings	X	X	X
	All	Window Frames	X		
	All	Closet Shelves	X	X	X
Large Open Area o/s Kitchen	All	Plaster Walls & Ceilings	X	X	X
Storage Rooms	All	Door Frames	X	X	X
	All	Cabinets	X		
	All	Baseboards	X		
South Stairs & Landings	All	Plaster Walls & Ceilings	X	X	X
Annex					
1st Floor					
Throughout	All	Plaster Walls & Ceilings (ASSUMED to be present behind drywall)	X	X	X
Stairwells	All	Plaster Walls & Ceilings (ASSUMED to be present behind drywall)	X	X	X
2nd Floor					
Throughout – All Rooms/Areas	All	Plaster Walls & Ceilings	X	X	X
	All	Baseboards	X	X	X
	All	Window Sills, Frames Casings & Sashes	X	X	X
3rd Floor					
Throughout – All Rooms/Areas	All	Plaster Walls & Ceilings	X	X	X
	All	Baseboards	X	X	X
	All	Window Sills, Frames Casings & Sashes	X	X	X
Exterior					

TABLE 3: SUMMARY OF LEAD BASED PAINT SURVEY
 FRANCIS MYERS RECREATION CENTER
 5800 CHESTER STREET

Location	Wall	Component	>OSHA Threshold	>HUD/EPA Threshold	>CoP DoH Threshold
Exterior	C	Fire Escape Stair Risers & Stringers	X	X	X
	C	Fire Escape Stair	X		
	N/A	Playground Sprinkler Pole	X		

Please Note: Regarding entries in the “Wall” column, Direction “A” corresponds to the main front entry wall of the building for common areas and “A” corresponds to the entry door wall for interior room within the building. Direction “B” corresponds to the next adjacent wall in a clockwise direction and so forth for directions “C” and “D”.

CoP DoH = LBP is defined by the City of Philadelphia Department of Health to contain equal to or greater than 0.70 mg/cm² via XRF.

HUD/EPA = LBP is defined by the Federal Department of Housing & Urban Development (HUD) and Environmental Protection Agency (EPA) to contain equal to or greater than 1.00 mg/cm² lead via XRF.

OSHA = The OSHA definition correlates to a PRESENT or ABSENT lead content in paints and coatings. OSHA considers results greater than 0.00 mg/cm² lead via XRF a Lead Containing Coating (LCC) and >0.01% by weight via paint chip analysis.

See Synertech's January 21, 2019, **Report for Environmental Investigation (ACM &LBP) & Sampling, Francis Myers Recreation Center, 5801 Kingsessing Avenue, Philadelphia PA provided in Appendix J of this report.**

Table 4: Summary of XRF Readings and Sample Results With Observations for Soil
Francis Myers Recreational Center
Philadelphia, PA

Depth	FIELD ID	XRF ID	XRF Screening		Laboratory Analysis	USEPA Lead in Bare Soil	Weather: 35°, Partly Cloudy	Bare (B) or Vegetated (V) Soil
			Pb	+/-	Pb by SW-846 6010D		Sample Observations/ Soil Description	
Horizon A: 0-3 inches bgs	FRA-SB1-A	4	173	9	201	400	Brown SILT, some fine sand, trace clay and organics	V
	FRA-SB2-A	6	102	7	123	400	Brown SILT, some fine sand, trace medium sand and clay	V
	FRA-SB3-A	8	76	6	90	400	Brown SILT, some fine sand, trace clay and organics	V
	FRA-SB4-A	10	63	6	71.8	400	Brown fine SAND, some silt, little medium sand, trace clay and organics	V
	FRA-SB5-A	12	53	6	54.7	400	Brown SILT, some fine sand, trace clay and organics	V
	FRA-SB6-A	14	72	6	93.5	400	Brown SILT, some fine sand, trace clay and organics	V
	FRA-SB7-A	16	50	5	51.6	400	Brown fine SAND, some silt, little medium sand, trace clay	V
	FRA-SB8-A	18	352	12	510	400	Brown SILT, some fine sand, trace clay and organics	V
	FRA-SB9-A	20	49	5	55	400	Brown SILT, some fine sand, little medium sand, trace clay and organics	V
	FRA-SB10-A	22	45	5	51.6	400	Brown SILT, some fine sand, little medium sand, trace clay and organics	V
	FRA-SB11-A	24	95	7	110	400	Brown SILT, some fine sand, trace clay and gravel	V
	FRA-SB12-A	26	68	6	70.8	400	Brown SILT, some fine sand, trace clay and organics	V
	FRA-SB13-A	28	62	6	69.4	400	Brown SILT, some fine sand, trace clay and organics	V
	FRA-SB14-A	30	75	6	75.5	400	Brown SILT, some fine sand, trace clay and organics	V
	FRA-SB15-A	32	82	6	107	400	Brown fine SAND, some silt, trace clay and organics	V
	FRA-SB16-A	34	103	7	106	400	Brown fine SAND, some silt, little medium sand, trace clay and organics	V
	FRA-SB17-A	36	244	10	69.3	400	Brown fine SAND, some silt, little medium sand, trace clay and organics	B
	FRA-SB18-A	38	54	6	46.5	400	Brown SILT, some fine sand, trace clay and organics	V
	FRA-SB19-A	40	85	7	94.6	400	Brown SILT and fine SAND, trace clay and organics	V
	FRA-SB20-A	44	123	36	112	400	Brown SILT and fine SAND, trace clay and organics	V
	FRA-SB21-A	46	93	7	93.9	400	Brown SILT and fine SAND, little clay, trace organics	V
	FRA-SB22-A	48	158	8	156	400	Brown SILT and fine SAND, trace clay and gravel	V
	FRA-SB23-A	50	136	8	147	400	Brown fine SAND, some silt, trace clay, organics and debris (plastic, metal)	V
	FRA-SB24-A	52	115	7	138	400	Brown SILT, some fine sand, trace clay and organics	B
	FRA-SB25-A	54	431	14	415	400	Brown SILT, some fine sand, trace clay and organics	V
Horizon B: 3-6 inches bgs	FRA-SB1-B	5	203	9	200	400	Brown SILT, some fine sand, trace clay and gravel	V
	FRA-SB2-B	7	111	7	123	400	Brown SILT, some fine sand, trace medium sand and clay	V
	FRA-SB3-B	9	82	7	81	400	Brown fine SAND, some silt, little medium sand, trace clay	V
	FRA-SB4-B	11	68	6	74.2	400	Brown SILT, some fine sand, trace clay and debris (glass)	V
	FRA-SB5-B	13	51	6	49.2	400	Brown SILT, some fine sand, trace clay and gravel	V
	FRA-SB6-B	15	80	7	80.9	400	Brown SILT, some fine sand, trace clay and gravel	V
	FRA-SB7-B	17	183	9	67.5	400	Brown fine SAND, some silt, little medium sand, trace clay	V
	FRA-SB8-B	19	354	12	491	400	Brown SILT, some fine sand, trace clay and gravel	V
	FRA-SB9-B	21	55	6	58.3	400	Brown SILT, some fine sand, little medium sand, trace clay and organics	V
	FRA-SB10-B	23	44	5	50.1	400	Brown fine SAND, some silt, little medium sand, trace clay and organics	V
	FRA-SB11-B	25	101	7	108	400	Brown fine SAND, some silt, little medium sand, trace clay	V
	FRA-SB12-B	27	89	7	77.4	400	Brown fine SAND, some silt, little medium sand, trace clay and gravel	V
	FRA-SB13-B	29	66	6	71.7	400	Brown SILT, some fine sand, trace clay and organics	V
	FRA-SB14-B	31	233	11	93.5	400	Brown SILT, some fine sand, trace clay	V
	FRA-SB15-B	33	100	7	115	400	Brown fine SAND, some silt, trace clay and organics	V
	FRA-SB16-B	35	102	7	105	400	Brown fine SAND, some silt, little medium sand, trace clay and gravel	V
	FRA-SB17-B	37	56	6	63.6	400	Brown SILT, some fine sand, trace clay and organics	B
	FRA-SB18-B	39	39	5	40.8	400	Brown fine SAND, some silt, little medium sand, trace clay and organics	V

**Table 4: Summary of XRF Readings and Sample Results With Observations for Soil
Francis Myers Recreational Center
Philadelphia, PA**

Depth	FIELD ID	XRF ID	XRF Screening		Laboratory Analysis	USEPA Lead in Bare Soil	Weather: 35°, Partly Cloudy	Bare (B) or Vegetated (V) Soil
			Pb	+/-	Pb by SW-846 6010D		Sample Observations/ Soil Description	
Horizon B: 3-6 inches bgs	FRA-SB19-B	41	85	7	76.2	400	Brown fine SAND, some silt, little medium sand, trace clay and organics	V
	FRA-SB20-B	45	279	44	101	400	Brown SILT, some fine sand, trace clay and gravel	V
	FRA-SB21-B	47	87	7	99.4	400	Brown SILT, some fine sand, trace organics and clay	V
	FRA-SB22-B	49	238	10	412	400	Brown fine SAND, some silt, trace clay and organics	V
	FRA-SB23-B	51	144	8	141	400	Brown fine SAND, some silt, trace clay and gravel	V
	FRA-SB24-B	53	136	8	134	400	Brown SILT, some fine sand, trace organics and clay	B
	FRA-SB25-B	55	159	9	109	400	Brown SILT, some fine sand, trace organics and clay	V

Notes:

1. The United States Environmental Protection Agency Hazardous Standards for Lead in Soil, Toxic Substance Control Act (TSCA) Section 403, lead in bare soil in childrens play areas
2. Concentrations are show in parts per million (ppm).
3. Bold and highlighted values exceed the screening value
4. +/- = margin of error of the XRF analyzer.

5. Abbreviations:

bgs = below ground surface

Pb = lead

This table is part of Duffield Associates' "Francis Myers Recreational Center Phase I ESA Report" and should only be viewed in that context.

PHOTOGRAPHS



Photograph 1: View of Recreation Center facing southwest.



Photograph 2: Northeast Adjoining Site: Cornerstone Christian Academy.



Photograph 3: Northeast Adjoining Site: Common Place Presbyterian Church.



Photograph 4: Southeast Adjoining Site: Ann Thomas Presbyterian Apartments



Photograph 5: Southeast Adjoining Site: Residential Row Houses.



Photograph 6: Northwest Adjoining Sites: Residential Row Houses.



Photograph 7: Northwest Adjoining Site: Corner Grocery and Deli Store.



Photograph 8: Southwest Adjoining Sites Residential Row Houses.



Photograph 9: Two basketball courts on the Property.



Photograph 10: Two baseball fields on the Property.



Photograph 11: Two tennis courts on the Property.



Photograph 12: Two playgrounds on the Property.



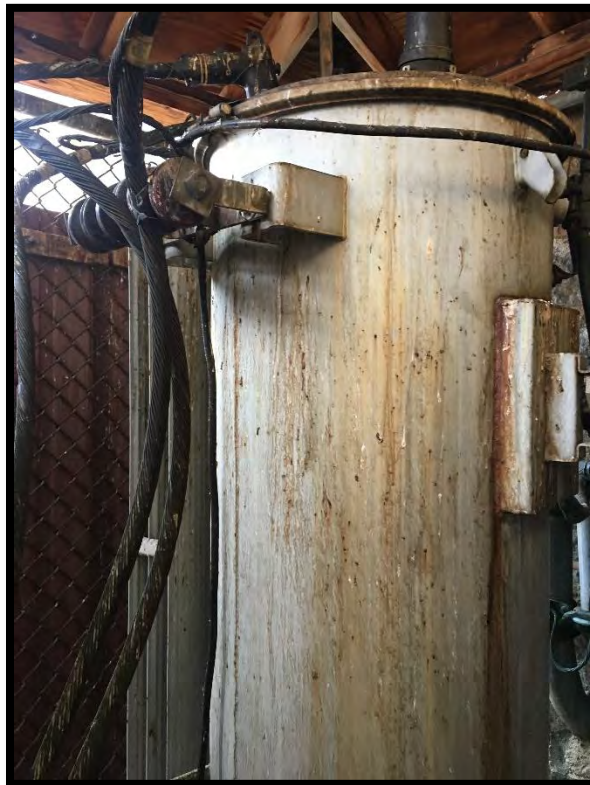
Photograph 13: Fenced in garden on the Property.



Photograph 14: Swimming pool on the Property.



Photograph 15: Meter for field lights observed west of the baseball fields of the Property.



Photograph 16: Transformer observed on northwest corner of the Recreation Building.



Photograph 17: Gymnasium observed in the building.



Photograph 18: Cleaning supplies observed in storage room on the first floor of building.



Photograph 19: Dance room on second floor of the building.



Photograph 20: Third floor of the building.



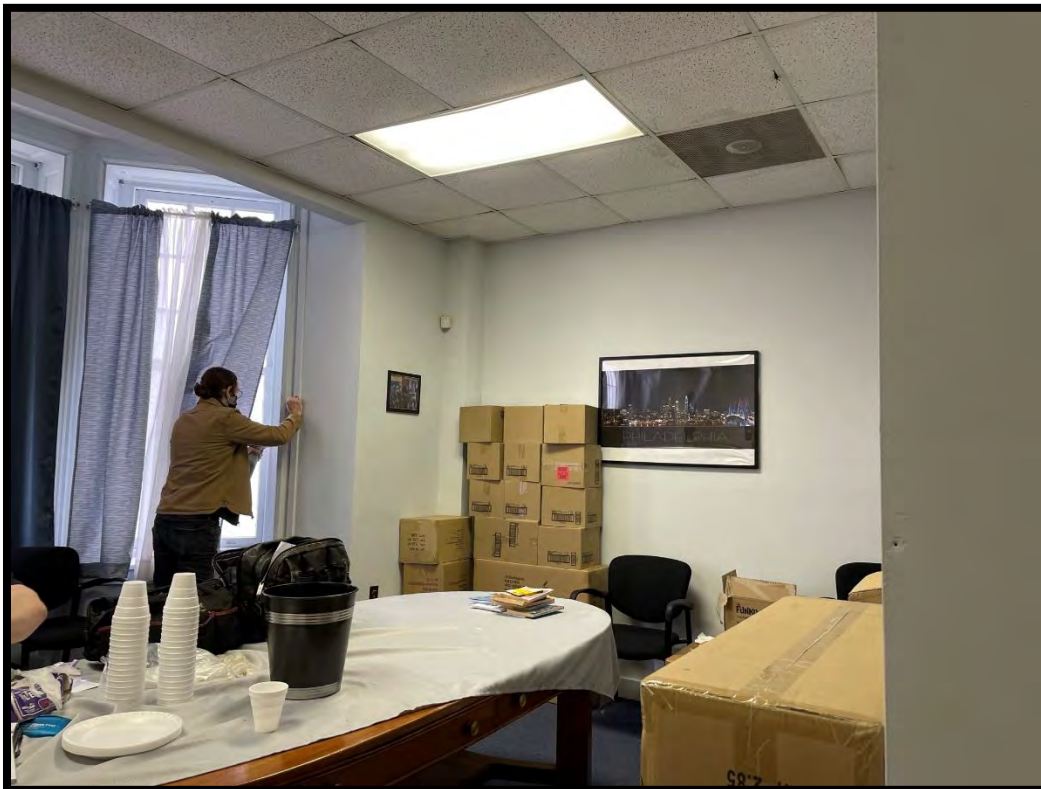
Photograph 21: Boiler room in the basement.



Photograph 22: Gasoline Cans in maintenance room of the basement.



Photograph 23: Paint canisters observed in the basement.



Photograph 24: First floor offices of Annex



Photograph 25: Second floor of Annex.



Photograph 26: Third floor of Annex.



Photograph 27: Basement of Annex with pool of water.

APPENDIX A

COUNTY PARCEL INFORMATION



BRT/OPA Account Number: 783092500
 Stormwater Billing Class: Non-Residential
 Parcel Address: 5800 CHESTER AVE
 Parcel Owner: CITY OF PHILA
 FRANCIS MYERS REC CTR

Legend

- Selected Parcel
- Other Parcels
- Impervious Surfaces
- Roof
- Other Impervious



Parcel Area (square feet)	<u>Gross Area</u>		<u>Impervious Area</u>	
	Total:	307,663	Total:	84,537
Credit:	82,654	Credit:	1,880	

Monthly Stormwater Charge

<i>Fiscal Year</i>	<i>07/01/2014 - 06/30/2016</i>	<i>07/01/2016 - 06/30/2017</i>	<i>07/01/2017 - 08/31/2018</i>	<i>09/01/2018 - 08/31/2019</i>	<i>09/01/2019 - 08/31/2020</i>
Parcel - Total	\$1058.30	\$1058.82	\$1106.20	\$1201.28	\$1226.04
Account # - 054-22760-05800-001	\$529.15	\$529.41	\$553.10	\$600.64	\$613.02
Account # - 054-22760-05800-003	\$529.15	\$529.41	\$553.10	\$600.64	\$613.02

5800 CHESTER AVE

Philadelphia, PA 19143-5500

OWNER

CITY OF PHILA

FRANCIS MYERS REC CTR

MAILING ADDRESS

DEPT OF RECREATION

MUNICIPAL SERVICES BLDG ROOM 1030

1401 JOHN F KENNEDY BLVD

PHILADELPHIA PA

19102-1610

VALUATION HISTORY

Year	Market Value	Taxable Land	Taxable Improvement	Exempt Land	Exempt Improvement
2020	\$5,345,700	\$0	\$0	\$694,941	\$4,650,759
2019	\$5,345,700	\$0	\$0	\$694,941	\$4,650,759
2018	\$5,345,700	\$0	\$0	\$694,941	\$4,650,759
2017	\$5,014,500	\$0	\$0	\$4,582,300	\$432,200
2016	\$5,014,500	\$0	\$0	\$4,582,300	\$432,200
2015	\$5,014,500	\$0	\$0	\$4,582,300	\$432,200
2014	\$5,014,500	\$0	\$0	\$4,582,300	\$432,200

Note: Taxable and exempt land values can represent:

1. The contributory value of land in relation to the total market value, or
2. Where no structure is present, the value of vacant land

Consistent with International Association of Assessing Officers (IAAO) standards, the value of an improved parcel is separated into the portion of value attributed to the improvement and the portion of value attributed to the land.

SALES DETAILS

SALES PRICE: **\$2**

SALES DATE: **5/3/1962**

PROPERTY DETAILS

OPA ACCOUNT: **783092500**

HOMESTEAD EXEMPTION: **No**

DESCRIPTION: **AMUS REC COMPLEX MASONRY**

CONDITION: **Average**

BEGINNING POINT: **59TH + KINGSESSING**

LAND AREA (SQFT): **305,486**

IMPROVEMENT AREA (SQFT): **22,749**

ZONING: **SP-PO-A**

Zoning data source: Planning and Development

CORRECTIONS OR QUESTIONS ABOUT THIS INFORMATION?:

TRASH & RECYCLING

TRASH & RECYCLING DAY: **Thursday**

LEAF COLLECTION: **Saturday Bag Dropoff**

SERVICE AREAS

School Catchment

ELEMENTARY SCHOOL: **Mitchell** MIDDLE SCHOOL:
Mitchell HIGH SCHOOL: **Bartram HS**

Political

COUNCILMANIC DISTRICT (2016): **2** WARD: **40** WARD
DIVISIONS: **4005**

Public Safety

POLICE DISTRICT: **12** POLICE PUBLIC SERVICE AREA:
124 POLICE DIVISION: **SWPD**

Districts

PLANNING: **University Southwest** LICENSES AND
INSPECTIONS (L+I): **SOUTH** CENSUS TRACT (2010):
006500 CENSUS BLOCK GROUP (2010): **1** COMMERCIAL
CORRIDOR: **n/a**

Streets

HIGHWAY DISTRICT: **1** HIGHWAY SECTION: **1G**
HIGHWAY SUBSECTION: **1G10** STREET LIGHT ROUTES: **7**
TRAFFIC DISTRICT: **2** TRAFFIC PM DISTRICT: **2108**

TRASH & RECYCLING DAY: **Thursday** LEAF COLLECTION
DAY: **Saturday Bag Dropoff** RECYCLING DIVERSION RATE:
17.7% SANITATION AREA: **1** SANITATION DISTRICT: **1B**



5800 CHESTER AVE

PHILADELPHIA, PA 19143-5548

Zoning

Base district zoning maps, associated zoning overlays, and Registered Community Organizations applicable to your search address. Source: Department of Planning and Development

There are 2 active parcels at this address.

0285120001

0285110321

Base District

SP-PO-A

Recreation

Pending Bills (0)

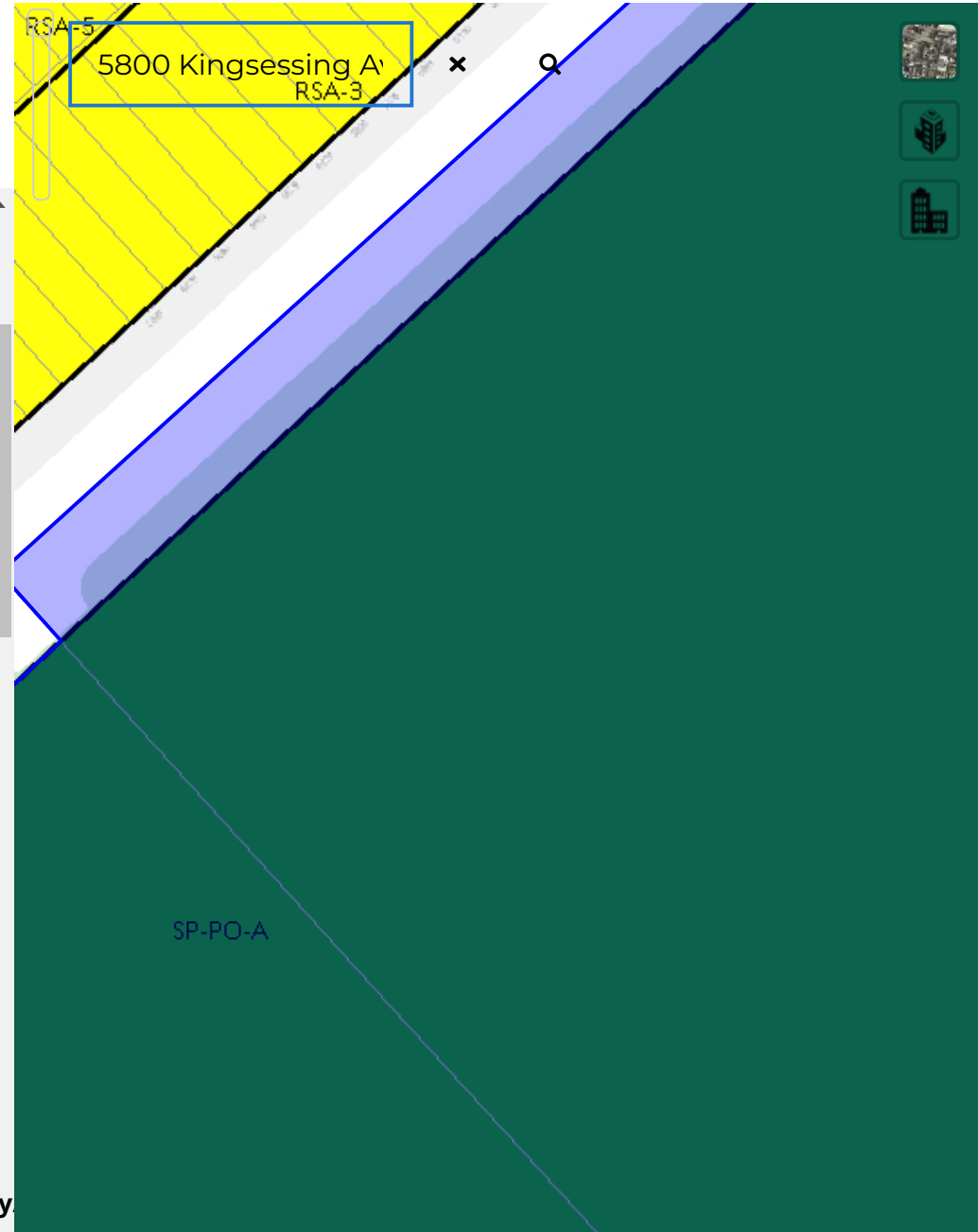
Bill Type

Current Zoning

Pending Bill

Overlays (2)

Feedback (//bit.ly



APPENDIX B

SCOPE OF SERVICES

SCOPE OF SERVICES

1. **Phase I ESA and UHW survey.** Duffield will complete a Phase I ESA and UHW survey for each property. The components of a Phase I ESA include: site reconnaissance, property and government interviews, historical review, and regulatory database search, and a physical setting review. A Phase I ESA report will be prepared that identifies RECs as defined by AAI, if any. The report also will include recommendations for additional assessment if required. Observed UHWs will be tabulated and the quantity estimated.
2. **Asbestos Investigation.** The asbestos investigation will follow the guidelines outlined in 40 CFR Part 763 (Asbestos Hazard Emergency Response Act) and 29 CFR Part 1926.1101 (OSHA Occupational Exposure to Asbestos, Final Rule). Suspect asbestos-containing materials (ACMs) will be sampled and analyzed for asbestos content via Polarized Light Microscopy (PLM), method EPA 600/R0-93/116, the standard method of analysis for determining asbestos content in building materials. A licensed Philadelphia Asbestos Investigator will perform the asbestos inspection and bulk sampling tasks.
3. **Lead Based Paint (LBP) Evaluation.** The LBP evaluation will be performed on each building. A licensed Lead Inspector/Risk Assessor will perform the LBP inspection using an X-Ray Fluorescence Spectrum Analyzer (XRF). Paint chip samples will be collected for those results that are “inconclusive.”
4. **Lead In Soils Screening.** Duffield will evaluate each site and develop a sample location sketch. Sample locations will be biased towards areas of soil erosion and areas of higher pedestrian use, such as playing fields, unpaved paths, and playgrounds. Duffield will also select sample locations to provide spatial coverage of each site. Duffield will notify PA One Call for public utility clearance at each site prior to site work. Duffield will perform soil borings to 6 inches below ground surface (bgs) via hand auger or shovel. Soil samples will be field screened using an XRF analyzer for lead. Duffield also will submit soil samples to SGS-Accutest Laboratories for analysis of total lead by EPA SW-846 Method 6010B.
5. **Report.** A single report will be prepared for each property. The UHW, ACM, LBP, and lead in soil screening results will be summarized as “Additional Services” in the Phase I ESA report and Synertech’s reports will be appended to the Phase I ESA report.

The level of effort for locating environmentally regulated building materials will vary depending on access to the materials, safety, and the protection of the building’s integrity. If suspected regulated materials are encountered during future activities that are not described in our survey report, Duffield Associates should be notified immediately in order to perform additional site review. The cost for this additional review is not part of this proposal.

APPENDIX C

USER QUESTIONNAIRE

Project Name: _____

Project Number: _____

User Questionnaire
Phase I Environmental Site Assessment

Date:

Name of person providing information:

Affiliation:

Completion of this questionnaire is required for successful execution of the Phase I Environmental Site Assessment (ESA). If this questionnaire is not completed by the intended user of the Phase I ESA report, the assessment will be considered incomplete.

1. Did a search of recorded land title records identify any environmental liens filed or recorded against the Property under Federal, State, or local law?

2. Did a search of recorded land title records identify any Activity and Use Limitations (AULs), such as engineering controls, land use restrictions, or institutional controls that are in place at the Property and/or have been filed or recorded against the Property under Federal, State, or local law?

3. Do you have any specialized knowledge or experience related to the Property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the Property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

4. Does the purchase price for the property reasonably reflect the fair market value of the property? If there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the Property?

User Questionnaire
(continued)

5. Are you aware of commonly known or reasonable ascertainable information about the property that would help the Environmental Professional to identify conditions indicative of releases or threatened releases? For example,
- a. Do you know the past uses of the Property?

 - b. Do you know of specific chemicals that are present or once were present at the Property?

 - c. Do you know of spills or other chemical releases that have taken place at the Property?

 - d. Do you know of any environmental cleanups that have taken place at the Property?
6. Based on your knowledge and experience related to the Property, are there any *obvious* indicators that point to the presence or likely presence of releases at the Property?

APPENDIX D

RADIUS MAP REPORT

Francis Myers Recreation Center

5800 Chester Ave

Philadelphia, PA 19143

Inquiry Number: 5854001.2s

November 01, 2019

The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

5800 CHESTER AVE
PHILADELPHIA, PA 19143

COORDINATES

Latitude (North): 39.9345320 - 39° 56' 4.31"
Longitude (West): 75.2288600 - 75° 13' 43.89"
Universal Transverse Mercator: Zone 18
UTM X (Meters): 480445.4
UTM Y (Meters): 4420306.0
Elevation: 77 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5947577 PHILADELPHIA, PA
Version Date: 2013

West Map: 5947571 LANSDOWNE, PA
Version Date: 2013

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20150815, 20150816
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
5800 CHESTER AVE
PHILADELPHIA, PA 19143

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	CARTERS CLEANERS	1836 S 58TH ST	EDR Hist Cleaner	Lower	123, 0.023, North
A2	HO THOS W	1832 S 58TH ST	EDR Hist Cleaner	Lower	159, 0.030, North
B3	PHILA PRESBYTERY HOM	2050 S 58TH ST	PA UNREG LTANKS	Higher	291, 0.055, ESE
B4	NURSING CARE CTR @58	2060 S 58TH ST	PA VCP	Higher	348, 0.066, ESE
5	FONG ALBERT	1944 S 60TH ST	EDR Hist Cleaner	Higher	494, 0.094, SW
6	FV 1	5700 CHESTER AVE	EDR Hist Auto	Higher	500, 0.095, NE
C7	SATIAN JOHN	1820 S 60TH ST	EDR Hist Auto	Lower	581, 0.110, West
C8	PELLICCIO JAS T	1804 S 60TH ST	EDR Hist Auto	Lower	653, 0.124, West
D9	ATLANTIC TRANSMISSIO	2126 S 58TH ST	RCRA-SQG, FINDS, ECHO	Lower	893, 0.169, ESE
10	MOST BLESSED SACRAME	5628 CHESTER AVE	PA ARCHIVE UST	Higher	977, 0.185, NE
D11	5825 WOODLAND AVE	5825 WOODLAND AVE	PA ARCHIVE UST	Lower	1118, 0.212, SE
D12	SUNOCO SERVICE STATI	58TH & WOODLAND AVE	RCRA NonGen / NLR	Lower	1138, 0.216, ESE
D13	FAMILY DOLLAR STORE	5814 WOODLAND AVE	RCRA-VSQG	Lower	1158, 0.219, SE
D14	ABRAMS METALS CO	5800 WOODLAND AVE	PA VCP, PA ACT 2-DEED	Lower	1158, 0.219, ESE
15	S & M PROVISIONS	5920 WOODLAND AVE	PA LUST, PA ARCHIVE UST	Lower	1164, 0.220, SSE
E16	58 WOODLAND FUELS 69	5746 WOODLAND AVE	PA LUST, PA ARCHIVE UST	Lower	1226, 0.232, ESE
E17	58 WOODLAND FUELS 69	5746 WOODLAND AVE	PA UST	Lower	1226, 0.232, ESE
F18	WOODLAND VLG PLZ	6000-6150 WOODLAND A	PA UNREG LTANKS	Higher	1271, 0.241, South
F19	WOODLAND VILLAGE PLA	6000-6150 WOODLAND A	PA ARCHIVE UST	Higher	1271, 0.241, South
E20	PHILA RECYCLING & TR	2209 S. 58TH STREET	PA HIST LF	Lower	1432, 0.271, ESE
E21	58TH STREET TRANSFER	2209 S 58TH ST	PA SWF/LF, PA LUST, PA ARCHIVE UST, PA MANIFEST	Lower	1432, 0.271, ESE
22	CANNON SLINE	5600 WOODLAND AVE	PA LUST, PA VCP, PA ARCHIVE AST, PA ACT 2-DEED	Higher	1605, 0.304, East
23	QUICI RES	5706 FLORENCE AVE	PA VCP	Lower	1641, 0.311, NNW
24	GC MURPHY 3895	6140 WOODLAND AVE	PA UNREG LTANKS	Lower	1729, 0.327, South
25	ODONNELL STEEL DRUM	62ND & KINGSESSING A	SEMS-ARCHIVE	Lower	1784, 0.338, SW
26	DUMONT EXPORT CORP.-	5601 PASCHALL AVENUE	PA HIST LF	Lower	2002, 0.379, East
27	WINDSOR STREET OIL S	5441 WINDSOR STREET	SEMS-ARCHIVE	Higher	2041, 0.387, NNE
28	PHILA SCH DIST LONGS	1500 S 57TH ST & WIL	PA UNREG LTANKS	Lower	2233, 0.423, NNW
29	57TH & GRAYS AVE PRO	57TH ST & GRAYS AVE	PA UNREG LTANKS	Lower	2291, 0.434, ESE
30	DEVORE/HILL SITE	1326-1328 S RUBY ST	PA VCP, PA ACT 2-DEED	Higher	2371, 0.449, NE
31	SARATOGA CTL OFC	5400 WOODLAND AVE	PA LAST	Higher	2446, 0.463, ENE
32	ROYAL PETRO	6216 PASCHALL AVE	PA LUST, PA ARCHIVE UST	Lower	2477, 0.469, South
G33	WETHERILL & CO, INC	5525 GRAYS AVENUE	SEMS-ARCHIVE	Lower	2529, 0.479, ESE
G34	BIL-DRY CORP	5525 GRAYS AVE	RCRA-VSQG, PA LUST, PA HIST LF	Lower	2529, 0.479, ESE
35	MA BRUDER & SONS	52ND & GRAYS AVE	SEMS-ARCHIVE, CORRACTS, US INST CONTROL, RCRA...	Lower	3738, 0.708, East

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing
SEMS..... Superfund Enterprise Management System

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System
US ENG CONTROLS..... Engineering Controls Sites List

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent NPL

PA SHWS..... Hazardous Sites Cleanup Act Site List
PA HSCA..... HSCA Remedial Sites Listing

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

EXECUTIVE SUMMARY

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing
PA AST..... Listing of Pennsylvania Regulated Aboveground Storage Tanks
INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

PA ENG CONTROLS..... Engineering Controls Site Listing
PA AUL..... Environmental Covenants Listing
PA INST CONTROL..... Institutional Controls Site Listing

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

PA BROWNFIELDS..... Brownfields Sites

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands
ODI..... Open Dump Inventory
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register
US CDL..... National Clandestine Laboratory Register
PA PFAS..... Sites With Known PFAS Contamination

Local Land Records

LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
PA SPILLS..... State spills

Other Ascertainable Records

FUDS..... Formerly Used Defense Sites
DOD..... Department of Defense Sites
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing

EXECUTIVE SUMMARY

US FIN ASSUR.....	Financial Assurance Information
EPA WATCH LIST.....	EPA WATCH LIST
TSCA.....	Toxic Substances Control Act
TRIS.....	Toxic Chemical Release Inventory System
SSTS.....	Section 7 Tracking Systems
ROD.....	Records Of Decision
RMP.....	Risk Management Plans
RAATS.....	RCRA Administrative Action Tracking System
PRP.....	Potentially Responsible Parties
PADS.....	PCB Activity Database System
ICIS.....	Integrated Compliance Information System
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS.....	Material Licensing Tracking System
COAL ASH DOE.....	Steam-Electric Plant Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database
RADINFO.....	Radiation Information Database
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS.....	Incident and Accident Data
CONSENT.....	Superfund (CERCLA) Consent Decrees
INDIAN RESERV.....	Indian Reservations
FUSRAP.....	Formerly Utilized Sites Remedial Action Program
UMTRA.....	Uranium Mill Tailings Sites
LEAD SMELTERS.....	Lead Smelter Sites
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
US MINES.....	Mines Master Index File
ABANDONED MINES.....	Abandoned Mines
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
UXO.....	Unexploded Ordnance Sites
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
PA AIRS.....	Permit and Emissions Inventory Data
PA ASBESTOS.....	ASBESTOS
PA DRYCLEANERS.....	Drycleaner Facility Locations
PA MINES.....	MINES
PA NPDES.....	NPDES Permit Listing
PA UIC.....	Underground Injection Wells
MINES MRDS.....	Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP..... EDR Proprietary Manufactured Gas Plants

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

PA RGA HWS..... Recovered Government Archive State Hazardous Waste Facilities List
PA RGA LF..... Recovered Government Archive Solid Waste Facilities List
PA RGA LUST..... Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

EXECUTIVE SUMMARY

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 07/19/2019 has revealed that there are 3 SEMS-ARCHIVE sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WINDSOR STREET OIL S Site ID: 0305551 EPA Id: PASFN0305551	5441 WINDSOR STREET	NNE 1/4 - 1/2 (0.387 mi.)	27	33
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ODONNELL STEEL DRUM Site ID: 0301489 EPA Id: PAD980693253	62ND & KINGSESSING A	SW 1/4 - 1/2 (0.338 mi.)	25	31
WETHERILL & CO, INC Site ID: 0301823 EPA Id: PAD981034507	5525 GRAYS AVENUE	ESE 1/4 - 1/2 (0.479 mi.)	G33	46

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 06/24/2019 has revealed that there is 1

EXECUTIVE SUMMARY

CORRACTS site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MA BRUDER & SONS EPA ID:: PAD069020691	52ND & GRAYS AVE	E 1/2 - 1 (0.708 mi.)	35	53

Federal RCRA generators list

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 06/24/2019 has revealed that there is 1 RCRA-SQG site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ATLANTIC TRANSMISSIO EPA ID:: PAD982681819	2126 S 58TH ST	ESE 1/8 - 1/4 (0.169 mi.)	D9	10

RCRA-VSQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-VSQG list, as provided by EDR, and dated 06/24/2019 has revealed that there is 1 RCRA-VSQG site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FAMILY DOLLAR STORE EPA ID:: PAR000548818	5814 WOODLAND AVE	SE 1/8 - 1/4 (0.219 mi.)	D13	15

State and tribal landfill and/or solid waste disposal site lists

PA SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Department of Environmental Resources' Solid Waste Facility Inventory/Transfer Stations.

A review of the PA SWF/LF list, as provided by EDR, has revealed that there is 1 PA SWF/LF site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
58TH STREET TRANSFER Database: SWF/LF, Date of Government Version: 08/19/2019	2209 S 58TH ST	ESE 1/4 - 1/2 (0.271 mi.)	E21	26

EXECUTIVE SUMMARY

Facid: 483498

State and tribal leaking storage tank lists

PA LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environmental Resources' List of Confirmed Releases.

A review of the PA LUST list, as provided by EDR, and dated 06/11/2019 has revealed that there are 6 PA LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CANNON SLINE Facility Id: 609371	5600 WOODLAND AVE	E 1/4 - 1/2 (0.304 mi.)	22	28
Lower Elevation	Address	Direction / Distance	Map ID	Page
S & M PROVISIONS Facility Id: 608559	5920 WOODLAND AVE	SSE 1/8 - 1/4 (0.220 mi.)	15	20
58 WOODLAND FUELS 69 Facility Id: 608739	5746 WOODLAND AVE	ESE 1/8 - 1/4 (0.232 mi.)	E16	21
58TH STREET TRANSFER Facility Id: 609703	2209 S 58TH ST	ESE 1/4 - 1/2 (0.271 mi.)	E21	26
ROYAL PETRO Facility Id: 608197	6216 PASCHALL AVE	S 1/4 - 1/2 (0.469 mi.)	32	36
BIL-DRY CORP Facility Id: 610305	5525 GRAYS AVE	ESE 1/4 - 1/2 (0.479 mi.)	G34	47

PA LAST: The Leaking Aboveground Storage Tank database from the Department of Environmental Protection.

A review of the PA LAST list, as provided by EDR, and dated 06/11/2019 has revealed that there is 1 PA LAST site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SARATOGA CTL OFC Facility Id: 608293	5400 WOODLAND AVE	ENE 1/4 - 1/2 (0.463 mi.)	31	35

PA UNREG LTANKS: Leaking storage tank cases from unregulated storage tanks.

A review of the PA UNREG LTANKS list, as provided by EDR, and dated 04/12/2002 has revealed that there are 5 PA UNREG LTANKS sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PHILA PRESBYTERY HOM	2050 S 58TH ST	ESE 0 - 1/8 (0.055 mi.)	B3	8
WOODLAND VLG PLZ	6000-6150 WOODLAND A	S 1/8 - 1/4 (0.241 mi.)	F18	24
Lower Elevation	Address	Direction / Distance	Map ID	Page
GC MURPHY 3895	6140 WOODLAND AVE	S 1/4 - 1/2 (0.327 mi.)	24	31

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PHILA SCH DIST LONGS	1500 S 57TH ST & WIL	NNW 1/4 - 1/2 (0.423 mi.)	28	34
57TH & GRAYS AVE PRO	57TH ST & GRAYS AVE	ESE 1/4 - 1/2 (0.434 mi.)	29	34

State and tribal registered storage tank lists

PA UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Resources' Regulated Underground Storage Tank Listing.

A review of the PA UST list, as provided by EDR, and dated 06/04/2019 has revealed that there is 1 PA UST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
58 WOODLAND FUELS 69 Site ID: 586868 Tank Status: Currently In Use	5746 WOODLAND AVE	ESE 1/8 - 1/4 (0.232 mi.)	E17	23

State and tribal voluntary cleanup sites

PA VCP: The VCP listings included Completed Sites, Sites in Progress and Act 2 Non-Use Aquifer Determinations Sites. Formerly known as the Act 2, the Land Recycling Program encourages the voluntary cleanup and reuse of contaminated commercial and industrial sites.

A review of the PA VCP list, as provided by EDR, and dated 07/09/2019 has revealed that there are 5 PA VCP sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
NURSING CARE CTR @58 Activity ID: 638726	2060 S 58TH ST	ESE 0 - 1/8 (0.066 mi.)	B4	8
CANNON SLINE Activity ID: 619320	5600 WOODLAND AVE	E 1/4 - 1/2 (0.304 mi.)	22	28
DEVORE/HILL SITE Activity ID: 640513	1326-1328 S RUBY ST	NE 1/4 - 1/2 (0.449 mi.)	30	34
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ABRAMS METALS CO Activity ID: 638220	5800 WOODLAND AVE	ESE 1/8 - 1/4 (0.219 mi.)	D14	17
QUICI RES Activity ID: 726020	5706 FLORENCE AVE	NNW 1/4 - 1/2 (0.311 mi.)	23	31

EXECUTIVE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

PA HIST LF: The report provides facility information recorded in the Pennsylvania Department of Environmental Protection ALI database. Some of this information has been abstracted from old records and may not accurately reflect the current conditions and status at these facilities.

A review of the PA HIST LF list, as provided by EDR, has revealed that there are 3 PA HIST LF sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PHILA RECYCLING & TR Database: HIST LF INACTIVE, Date of Government Version: 12/20/1994 permitno: 101477	2209 S. 58TH STREET	ESE 1/4 - 1/2 (0.271 mi.)	E20	26
DUMONT EXPORT CORP.- Database: HIST LF INACTIVE, Date of Government Version: 12/20/1994 permitno: 400521	5601 PASCHALL AVENUE	E 1/4 - 1/2 (0.379 mi.)	26	33
BIL-DRY CORP Database: HIST LF INVENTORY, Date of Government Version: 06/02/1999 Facility Status: INACTIVE Site ID: 1-459	5525 GRAYS AVE	ESE 1/4 - 1/2 (0.479 mi.)	G34	47

Local Lists of Registered Storage Tanks

PA ARCHIVE UST: The list includes tanks storing highly hazardous substances that were removed from the DEP's Storage Tank Information database because of the Department's policy on sensitive information. The list also may include tanks that are removed or permanently closed.

A review of the PA ARCHIVE UST list, as provided by EDR, and dated 06/04/2019 has revealed that there are 5 PA ARCHIVE UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MOST BLESSED SACRAME Status: CURRENTLY IN USE Facility Id: 51-42464	5628 CHESTER AVE	NE 1/8 - 1/4 (0.185 mi.)	10	12
WOODLAND VILLAGE PLA Facility Id: 51-45114	6000-6150 WOODLAND A	S 1/8 - 1/4 (0.241 mi.)	F19	24
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
5825 WOODLAND AVE Status: Permanently Closed in Place Facility Id: 51-46614	5825 WOODLAND AVE	SE 1/8 - 1/4 (0.212 mi.)	D11	13
S & M PROVISIONS Status: TEMPORARILY OUT OF USE Facility Id: 51-25885	5920 WOODLAND AVE	SSE 1/8 - 1/4 (0.220 mi.)	15	20
58 WOODLAND FUELS 69	5746 WOODLAND AVE	ESE 1/8 - 1/4 (0.232 mi.)	E16	21

EXECUTIVE SUMMARY

Status: Removed
Status: Exempt
Facility Id: 51-32028

Local Land Records

PA ACT 2-DEED: This listing pertains to sites where the Department has approved a cleanup requiring a deed acknowledgment under Act 2. This list includes sites remediated to a non-residential Statewide health standard (Section 303(g)); all sites demonstrating attainment of a Site-specific standard (Section 304(m)); and sites being remediated as a special industrial area (Section 305(g)). Persons who remediated a site to a standard that requires a deed acknowledgment shall comply with the requirements of the Solid Waste Management Act or the Hazardous Sites Cleanup Act, as referenced in Act 2. These statutes require a property description section in the deed concerning the hazardous substance disposal on the site. The location of disposed hazardous substances and a description of the type of hazardous substances disposed on the site shall be included in the deed acknowledgment. A deed acknowledgment is required at the time of conveyance of the property.

A review of the PA ACT 2-DEED list, as provided by EDR, and dated 04/23/2010 has revealed that there are 3 PA ACT 2-DEED sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>CANNON SLINE</i>	<i>5600 WOODLAND AVE</i>	<i>E 1/4 - 1/2 (0.304 mi.)</i>	<i>22</i>	<i>28</i>
<i>DEVORE/HILL SITE</i>	<i>1326-1328 S RUBY ST</i>	<i>NE 1/4 - 1/2 (0.449 mi.)</i>	<i>30</i>	<i>34</i>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>ABRAMS METALS CO</i>	<i>5800 WOODLAND AVE</i>	<i>ESE 1/8 - 1/4 (0.219 mi.)</i>	<i>D14</i>	<i>17</i>

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 06/24/2019 has revealed that there is 1 RCRA NonGen / NLR site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SUNOCO SERVICE STATI EPA ID:: PAD000801605	58TH & WOODLAND AVE	ESE 1/8 - 1/4 (0.216 mi.)	D12	14

EXECUTIVE SUMMARY

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 3 EDR Hist Auto sites within approximately 0.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FV 1	5700 CHESTER AVE	NE 0 - 1/8 (0.095 mi.)	6	9
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SATIAN JOHN	1820 S 60TH ST	W 0 - 1/8 (0.110 mi.)	C7	10
PELLICCIO JAS T	1804 S 60TH ST	W 0 - 1/8 (0.124 mi.)	C8	10

EDR Hist Cleaner: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there are 3 EDR Hist Cleaner sites within approximately 0.125 miles of the target property.

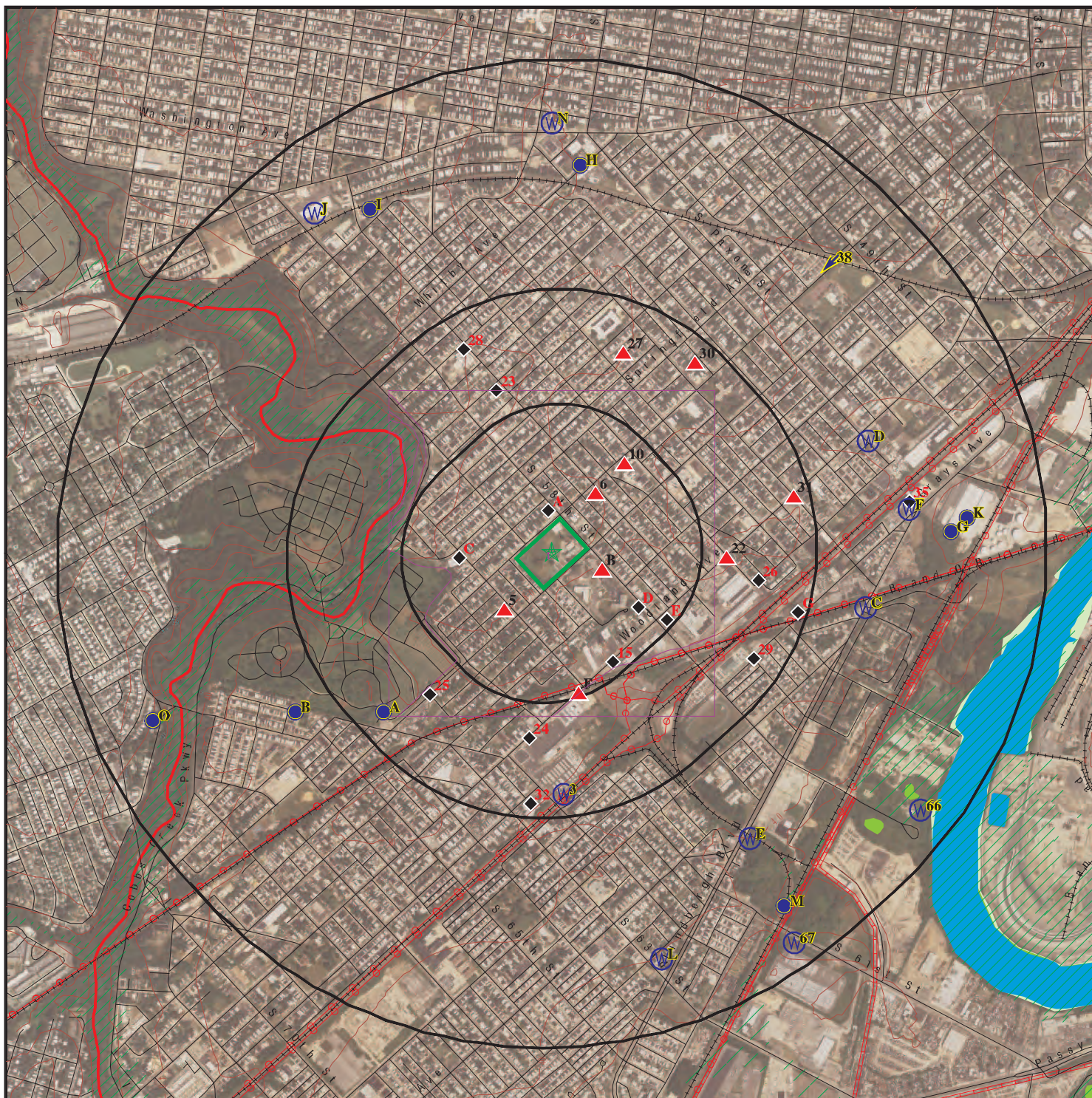
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FONG ALBERT	1944 S 60TH ST	SW 0 - 1/8 (0.094 mi.)	5	9
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CARTERS CLEANERS	1836 S 58TH ST	N 0 - 1/8 (0.023 mi.)	A1	8
HO THOS W	1832 S 58TH ST	N 0 - 1/8 (0.030 mi.)	A2	8

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 3 records.

<u>Site Name</u>	<u>Database(s)</u>
DARBY BOROUGH GARAGE	SEMS-ARCHIVE
PUREX CORP FELS PLT	SEMS-ARCHIVE
SUN PIPE LINE	PA UNREG LTANKS

OVERVIEW MAP - 5854001.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

County Boundary

Power transmission lines

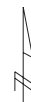
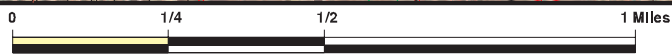
Pipelines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Francis Myers Recreation Center
 ADDRESS: 5800 Chester Ave
 Philadelphia PA 19143
 LAT/LONG: 39.934532 / 75.22886

CLIENT: Duffield Associates, Inc.
 CONTACT: Matthew Staunton
 INQUIRY #: 5854001.2s
 DATE: November 01, 2019 3:35 pm

DETAIL MAP - 5854001.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

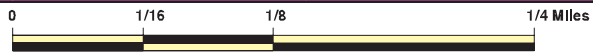
Indian Reservations BIA

County Boundary

Power transmission lines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Francis Myers Recreation Center
 ADDRESS: 5800 Chester Ave
 Philadelphia PA 19143
 LAT/LONG: 39.934532 / 75.22886

CLIENT: Duffield Associates, Inc.
 CONTACT: Matthew Staunton
 INQUIRY #: 5854001.2s
 DATE: November 01, 2019 3:36 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site list</i>								
SEMS-ARCHIVE	0.500		0	0	3	NR	NR	3
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	1	NR	1
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	1	NR	NR	NR	1
RCRA-VSQG	0.250		0	1	NR	NR	NR	1
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	0.001		0	NR	NR	NR	NR	0
<i>State- and tribal - equivalent NPL</i>								
PA SHWS	1.000		0	0	0	0	NR	0
PA HSCA	1.000		0	0	0	0	NR	0
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
PA SWF/LF	0.500		0	0	1	NR	NR	1
<i>State and tribal leaking storage tank lists</i>								
PA LUST	0.500		0	2	4	NR	NR	6
PA LAST	0.500		0	0	1	NR	NR	1
INDIAN LUST	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PA UNREG LTANKS	0.500		1	1	3	NR	NR	5
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
PA UST	0.250		0	1	NR	NR	NR	1
PA AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
PA ENG CONTROLS	0.500		0	0	0	NR	NR	0
PA AUL	0.500		0	0	0	NR	NR	0
PA INST CONTROL	0.500		0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
PA VCP	0.500		1	1	3	NR	NR	5
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
PA BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
PA HIST LF	0.500		0	0	3	NR	NR	3
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
PA PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
PA ARCHIVE UST	0.250		0	5	NR	NR	NR	5
PA ARCHIVE AST	0.001		0	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	0.001		0	NR	NR	NR	NR	0
PA ACT 2-DEED	0.500		0	1	2	NR	NR	3
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PA SPILLS	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	1	NR	NR	NR	1
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PA AIRS	0.001		0	NR	NR	NR	NR	0
PA ASBESTOS	0.001		0	NR	NR	NR	NR	0
PA DRYCLEANERS	0.250		0	0	NR	NR	NR	0
PA MANIFEST	0.250		0	0	NR	NR	NR	0
NY MANIFEST	0.250		0	0	NR	NR	NR	0
NJ MANIFEST	0.250		0	0	NR	NR	NR	0
PA MINES	0.250		0	0	NR	NR	NR	0
PA NPDES	0.001		0	NR	NR	NR	NR	0
PA UIC	0.001		0	NR	NR	NR	NR	0
MINES MRDS	0.001		0	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
---------	-------	--	---	---	---	---	----	---

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR Hist Auto	0.125		3	NR	NR	NR	NR	3
EDR Hist Cleaner	0.125		3	NR	NR	NR	NR	3
<u>EDR RECOVERED GOVERNMENT ARCHIVES</u>								
<i>Exclusive Recovered Govt. Archives</i>								
PA RGA HWS	0.001		0	NR	NR	NR	NR	0
PA RGA LF	0.001		0	NR	NR	NR	NR	0
PA RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	8	14	20	1	0	43

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

NURSING CARE CTR @58TH ST PRESBYTERIAN HOME (Continued)

S106032048

Activity ID: 638726,
 Cleanup Records:
 Municipality: Philadelphia City
 Region: Southeast Region
 Category Desc: Fuel Oil No 2
 Type: Complete Sites
 LRP Activity Number: 31524
 Remediation: Statewide Health Standard
 Activity: NO
 Date Approved: 08/21/2003
 Date Received: Not reported
 Date Nonuse: Not reported
 ICS Code: Not reported
 Media: Soil
 Latitude: 39.933610999999999
 Longitude: -75.226111000000003

5
SW
 < 1/8
 0.094 mi.
 494 ft.

FONG ALBERT
1944 S 60TH ST
PHILADELPHIA, PA

EDR Hist Cleaner 1009197158
N/A

Relative:
Higher

EDR Hist Cleaner

Actual:
80 ft.

Year:	Name:	Type:
1925	ALBERT FONG	LAUNDRIES CHINESE
1930	FONG ALBERT	LAUNDRIES CHINESE

6
NE
 < 1/8
 0.095 mi.
 500 ft.

FV 1
5700 CHESTER AVE
PHILADELPHIA, PA 19143

EDR Hist Auto 1020430530
N/A

Relative:
Higher

EDR Hist Auto

Actual:
79 ft.

Year:	Name:	Type:
1997	FV 1	Gasoline Service Stations
1998	FV 1	Gasoline Service Stations
2005	FV 1	Gasoline Service Stations
2006	FV 1	Gasoline Service Stations
2007	FV 1	Gasoline Service Stations
2008	FV 1	Gasoline Service Stations

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ATLANTIC TRANSMISSION (Continued)

1000153530

Contact address: 2126 S 58TH ST
PHILADELPHIA, PA 19143
Contact country: US
Contact telephone: 215-727-9800
Contact email: Not reported
EPA Region: 03
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: JEDEN INC
Owner/operator address: OWNERSTREET
OWNERCITY, AK 99999
Owner/operator country: Not reported
Owner/operator telephone: 215-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: OPERNAME
Owner/operator address: OPERSTREET
OPERCITY, AK 99999
Owner/operator country: Not reported
Owner/operator telephone: 215-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ATLANTIC TRANSMISSION (Continued)

1000153530

Hazardous Waste Summary:

. Waste code: D001
. Waste name: IGNITABLE WASTE

Violation Status: No violations found

FINDS:

Registry ID: 110001025989

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

PA-EFACTS (Pennsylvania - Environmental Facility Application Compliance Tracking System) is a Department-wide database that provides a holistic view of clients and sites (including facilities) that DEP regulates.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000153530
Registry ID: 110001025989
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110001025989>

**10
NE
1/8-1/4
0.185 mi.
977 ft.**

**MOST BLESSED SACRAMENT CH
5628 CHESTER AVE
PHILADELPHIA, PA 19143**

**PA ARCHIVE UST S111113778
N/A**

**Relative:
Higher**

ARCHIVE UST:

**Actual:
82 ft.**

Name: MOST BLESSED SACRAMENT CH
Address: 5628 CHESTER AVE
City, State, Zip: PHILADELPHIA, PA 19143
Facility Id: 51-42464
Site ID: Not reported
Municipality: Not reported
Client Date: Not reported
Owner Id: 16071
Owner Name: MOST BLESSED SACRAMENT CH
Owner Address: 5628 CHESTER AVE
Owner Address 2: Not reported
Owner City, St, Zip: PHILADELPHIA, PA 19143
Owner Phone: 2157290694
Owner County Code: 51
Resp Party Name: Not reported
RP Address: Not reported
RP Address 2: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

MOST BLESSED SACRAMENT CH (Continued)

S111113778

RP City,St,Zip: Not reported
 Region Code Name: Not reported
 Regulated Expire Date: Not reported

Tank Sequence #: 001
 Tank Id: 85391
 Status: CURRENTLY IN USE
 Status Code End Date: Not reported
 Capacity: 8000
 Substance: HEATING OIL
 Tank Substance End Date: Not reported
 Install Date: Not reported
 Tank Code: Not reported
 Inspection Code: Not reported
 Last Inspection: Not reported
 Substance Type: Not reported
 CASRN for Hazardous Substances: Not reported
 Chemical Name: Not reported
 Other Information Regarding The Tank Substance: Not reported
 Undeliverable Address Ind.: Not reported
 Contact Name: Not reported
 Company: Not reported

D11
SE
1/8-1/4
0.212 mi.
1118 ft.

5825 WOODLAND AVE
5825 WOODLAND AVE
PHILADELPHIA, PA 19143

PA ARCHIVE UST **S119705899**
N/A

Site 2 of 5 in cluster D

Relative:
Lower
Actual:
70 ft.

ARCHIVE UST:
 Name: 5825 WOODLAND AVE
 Address: 5825 WOODLAND AVE
 City,State,Zip: PHILADELPHIA 19143
 Facility Id: 51-46614
 Site ID: Not reported
 Municipality: Philadelphia City
 Client Date: Not reported
 Owner Id: Not reported
 Owner Name: PAUL ABRAMS
 Owner Address: 5825 WOODLAND AVE
 Owner Address 2: Not reported
 Owner City,St,Zip: PHILADELPHIA, PA 19143-5929
 Owner Phone: Not reported
 Owner County Code: Not reported
 Resp Party Name: Not reported
 RP Address: Not reported
 RP Address 2: Not reported
 RP City,St,Zip: Not reported
 Region Code Name: Not reported
 Regulated Expire Date: Not reported

Tank Sequence #: 001
 Tank Id: Not reported
 Status: Permanently Closed in Place
 Status Code End Date: Not reported
 Capacity: 2000
 Substance: Gasoline
 Tank Substance End Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

5825 WOODLAND AVE (Continued)

S119705899

Install Date: 04/21/2000
Tank Code: UST
Inspection Code: Not reported
Last Inspection: Not reported
Substance Type: P
CASRN for Hazardous Substances: Not reported
Chemical Name: Not reported
Other Information Regarding The Tank Substance: Not reported
Undeliverable Address Ind.: N
Contact Name: ABRAMS PAUL PRES
Company: Not reported

**D12
ESE
1/8-1/4
0.216 mi.
1138 ft.**

**SUNOCO SERVICE STATION-WOODLAND PHILA
58TH & WOODLAND AVE
PHILADELPHIA, PA 19143**

RCRA NonGen / NLR

**1000329683
PAD000801605**

Site 3 of 5 in cluster D

**Relative:
Lower**

RCRA NonGen / NLR:

**Actual:
71 ft.**

Date form received by agency: 1980-08-18 00:00:00.0
Facility name: SUNOCO SERVICE STATION-WOODLAND PHILA
Facility address: 58TH & WOODLAND AVE
PHILADELPHIA, PA 19143
EPA ID: PAD000801605
Contact: HOWARD ALGEO
Contact address: 58TH & WOODLAND AVE
PHILADELPHIA, PA 19143
Contact country: US
Contact telephone: 215-688-8200
Contact email: Not reported
EPA Region: 03
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: OPERNAME
Owner/operator address: OPERSTREET
OPERCITY, AK 99999
Owner/operator country: Not reported
Owner/operator telephone: 215-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: SUN OIL COMPANY OF PENNSYLVANIA
Owner/operator address: OWNERSTREET
OWNERCITY, AK 99999
Owner/operator country: Not reported
Owner/operator telephone: 215-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUNOCO SERVICE STATION-WOODLAND PHILA (Continued)

1000329683

Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

Violation Status: No violations found

**D13
SE
1/8-1/4
0.219 mi.
1158 ft.**

**FAMILY DOLLAR STORE NO 6659
5814 WOODLAND AVE
PHILADELPHIA, PA 19143**

**RCRA-VSQQ 1017788703
PAR000548818**

Site 4 of 5 in cluster D

**Relative:
Lower
Actual:
69 ft.**

RCRA-VSQQ:
Date form received by agency: 2015-03-03 00:00:00.0
Facility name: FAMILY DOLLAR STORE NO 6659
Facility address: 5814 WOODLAND AVE
PHILADELPHIA, PA 19143
EPA ID: PAR000548818
Mailing address: PO BOX 1017
CHARLOTTE, NC 28201
Contact: KELVIN DAVIS
Contact address: PO BOX 1017
CHARLOTTE, NC 28201
Contact country: US
Contact telephone: 704-708-1649
Contact email: KDAVIS@FAMILYDOLLAR.COM
EPA Region: 03
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FAMILY DOLLAR STORE NO 6659 (Continued)

1017788703

other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: FAMILY DOLLAR STORES
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 2008-04-24 00:00:00.0
Owner/Op end date: Not reported

Owner/operator name: FAMILY DOLLAR STORES
Owner/operator address: PO BOX 1017
CHARLOTTE, NC 28201
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 2008-04-24 00:00:00.0
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

FAMILY DOLLAR STORE NO 6659 (Continued)

1017788703

- . Waste code: D001
- . Waste name: IGNITABLE WASTE

- . Waste code: D004
- . Waste name: ARSENIC

- . Waste code: D005
- . Waste name: BARIUM

- . Waste code: D007
- . Waste name: CHROMIUM

- . Waste code: D008
- . Waste name: LEAD

- . Waste code: D009
- . Waste name: MERCURY

- . Waste code: D010
- . Waste name: SELENIUM

- . Waste code: D011
- . Waste name: SILVER

- . Waste code: D016
- . Waste name: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

- . Waste code: D024
- . Waste name: M-CRESOL

- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE

- . Waste code: U002
- . Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

Violation Status: No violations found

D14
ESE
1/8-1/4
0.219 mi.
1158 ft.

ABRAMS METALS CO
5800 WOODLAND AVE
PHILADELPHIA, PA 19143

PA VCP S106499889
PA ACT 2-DEED N/A

Site 5 of 5 in cluster D

Relative:
Lower
Actual:
70 ft.

VCP:
 Name: ABRAMS METALS CO
 Address: 5800 WOODLAND AVE
 City,State,Zip: PHILADELPHIA, PA 19143-5918

Cleanup Records:
 Municipality: Philadelphia City
 Region: Southeast Region
 Category Desc: Chlorinated Solvents
 Type: Complete Sites
 LRP Activity Number: 31464
 Remediation: Statewide Health Standard
 Activity: YES
 Date Approved: 05/25/2004
 Date Received: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ABRAMS METALS CO (Continued)

S106499889

Date Nonuse:	Not reported
ICS Code:	Not reported
Media:	Groundwater
Latitude:	39.9313
Longitude:	-75.22463299999997
Name:	ABRAMS METALS CO
Address:	5800 WOODLAND AVE
City,State,Zip:	PHILADELPHIA, PA 19143-5918
Municipality:	Philadelphia City
Region:	Southeast Region
Category Desc:	Unleaded Gasoline
Type:	Complete Sites
LRP Activity Number:	31464
Remediation:	Statewide Health Standard
Activity:	YES
Date Approved:	05/25/2004
Date Received:	Not reported
Date Nonuse:	Not reported
ICS Code:	Not reported
Media:	Groundwater
Latitude:	39.9313
Longitude:	-75.22463299999997
Name:	ABRAMS METALS CO
Address:	5800 WOODLAND AVE
City,State,Zip:	PHILADELPHIA, PA 19143-5918
Municipality:	Philadelphia City
Region:	Southeast Region
Category Desc:	Chlorinated Solvents
Type:	Complete Sites
LRP Activity Number:	32215
Remediation:	Site-Specific Standard
Activity:	YES
Date Approved:	05/25/2004
Date Received:	Not reported
Date Nonuse:	Not reported
ICS Code:	Not reported
Media:	Groundwater
Latitude:	39.9313
Longitude:	-75.22463299999997
Name:	ABRAMS METALS CO
Address:	5800 WOODLAND AVE
City,State,Zip:	PHILADELPHIA, PA 19143-5918
Municipality:	Philadelphia City
Region:	Southeast Region
Category Desc:	PCB
Type:	Complete Sites
LRP Activity Number:	32215
Remediation:	Site-Specific Standard
Activity:	YES
Date Approved:	05/25/2004
Date Received:	Not reported
Date Nonuse:	Not reported
ICS Code:	Not reported
Media:	Soil

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ABRAMS METALS CO (Continued)

S106499889

Latitude: 39.9313
Longitude: -75.22463299999997

Name: ABRAMS METALS CO
Address: 5800 WOODLAND AVE
City,State,Zip: PHILADELPHIA, PA 19143-5918
Municipality: Philadelphia City
Region: Southeast Region
Category Desc: Other Organics
Type: Complete Sites
LRP Activity Number: 32215
Remediation: Site-Specific Standard
Activity: YES
Date Approved: 05/25/2004
Date Received: Not reported
Date Nonuse: Not reported
ICS Code: Not reported
Media: Groundwater
Latitude: 39.9313
Longitude: -75.22463299999997

Name: ABRAMS METALS CO
Address: 5800 WOODLAND AVE
City,State,Zip: PHILADELPHIA, PA 19143-5918
Municipality: Philadelphia City
Region: Southeast Region
Category Desc: PAH
Type: Complete Sites
LRP Activity Number: 32215
Remediation: Site-Specific Standard
Activity: YES
Date Approved: 05/25/2004
Date Received: Not reported
Date Nonuse: Not reported
ICS Code: Not reported
Media: Soil
Latitude: 39.9313
Longitude: -75.22463299999997

Name: ABRAMS METALS CO
Address: 5800 WOODLAND AVE
City,State,Zip: PHILADELPHIA, PA 19143-5918

Activity:
Activity ID: 638220, 638220, 638220, 638220, 638220, 638220, 638220,
Municipality: Philadelphia City
Region: Southeast Region
Category Desc: Inorganics
Type: Complete Sites
LRP Activity Number: 32215
Remediation: Site-Specific Standard
Activity: YES
Date Approved: 05/25/2004
Date Received: Not reported
Date Nonuse: Not reported
ICS Code: Not reported
Media: Soil
Latitude: 39.9313

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ABRAMS METALS CO (Continued)

S106499889

Longitude: -75.22463299999997

ACT 2-DEED:

Region: 4100
Municipality: Philadelphia
Site Size: Not reported
Cleanup Standard: Statewide Health
Cleanup Indicator: Not reported
Response Date: 5/25/2004
Category Description: Chlorinated Solvents, Unleaded Gasoline
Land Designation Code: Not reported

Region: 4100
Municipality: Philadelphia
Site Size: Not reported
Cleanup Standard: Site Specific
Cleanup Indicator: Not reported
Response Date: 5/25/2004
Category Description: Inorganics, PAH, PCB
Land Designation Code: Not reported

15
SSE
1/8-1/4
0.220 mi.
1164 ft.

**S & M PROVISIONS
5920 WOODLAND AVE
PHILADELPHIA, PA 19143**

**PA LUST U001097767
PA ARCHIVE UST N/A**

**Relative:
Lower
Actual:
75 ft.**

LUST:
Name: S & M PROVISIONS
Address: 5920 WOODLAND AVE
City,State,Zip: PHILADELPHIA, PA 19143
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 608559
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Cleanup Completed
Status Date: 05/30/2000
Confirmed Date: 03/16/2000
Program Other Id: 51-25885
Client: S & M PROVISIONS INC
Incident Id: 5628
Incident Desc: S & M PROVISIONS INC
Suspect Date: Not reported
Source Of Notification: Not reported
Release Discovered: Not reported
Source Cause Of Release: Not reported
Tank: Not reported
Impact Desc: Soil
Substance: Gasoline
CAS RN: Not reported
Chemical: Not reported
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.931125
Longitude: -75.226389

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

S & M PROVISIONS (Continued)

U001097767

ARCHIVE UST:

Name:	S & M PROVISIONS
Address:	5920 WOODLAND AVE
City,State,Zip:	PHILADELPHIA, PA 19143
Facility Id:	51-25885
Site ID:	Not reported
Municipality:	Not reported
Client Date:	Not reported
Owner Id:	10251
Owner Name:	S & M PROVISIONS INC
Owner Address:	5920 WOODLAND AVE
Owner Address 2:	Not reported
Owner City,St,Zip:	PHILADELPHIA, PA 19143
Owner Phone:	2157244700
Owner County Code:	51
Resp Party Name:	Not reported
RP Address:	Not reported
RP Address 2:	Not reported
RP City,St,Zip:	Not reported
Region Code Name:	Not reported
Regulated Expire Date:	Not reported
Tank Sequence #:	001
Tank Id:	49855
Status:	TEMPORARILY OUT OF USE
Status Code End Date:	Not reported
Capacity:	2000
Substance:	GASOLINE
Tank Substance End Date:	Not reported
Install Date:	Not reported
Tank Code:	Not reported
Inspection Code:	Not reported
Last Inspection:	Not reported
Substance Type:	Not reported
CASRN for Hazardous Substances:	Not reported
Chemical Name:	Not reported
Other Information Regarding The Tank Substance:	Not reported
Undeliverable Address Ind.:	Not reported
Contact Name:	Not reported
Company:	Not reported

E16
ESE
1/8-1/4
0.232 mi.
1226 ft.

58 WOODLAND FUELS 69725
5746 WOODLAND AVE
PHILADELPHIA, PA 19143
Site 1 of 4 in cluster E

PA LUST S119705474
PA ARCHIVE UST N/A

Relative:
Lower
Actual:
70 ft.

LUST:
 Name: 58 WOODLAND FUELS 69725
 Address: 5746 WOODLAND AVE
 City,State,Zip: PHILADELPHIA, PA 19143
 Region: EP SE Rgnl Off Norristown
 Municipality: Philadelphia City
 Facility Id: 608739
 Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Interim or Remedial Actions Initiated
 Status Date: 12/01/1997

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

58 WOODLAND FUELS 69725 (Continued)

S119705474

Confirmed Date: 12/01/1997
Program Other Id: 51-32028
Client: RAMOCO MARKETING GROUP LLC
Incident Id: 5312
Incident Desc: SUNOCO 0004 8843
Suspect Date: 12/1/1997
Source Of Notification: OPER
Release Discovered: Not reported
Source Cause Of Release: Not reported
Tank: Not reported
Impact Desc: Ground Water
Substance: Not reported
CAS RN: Not reported
Chemical: Not reported
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.932935
Longitude: -75.223844

ARCHIVE UST:

Name: 58 WOODLAND FUELS69725
Address: 5746 WOODLAND AVE
City,State,Zip: PHILADELPHIA 19143
Facility Id: 51-32028
Site ID: Not reported
Municipality: Philadelphia City
Client Date: Not reported
Owner Id: Not reported
Owner Name: RAMOCO MARKETING GROUP LLC
Owner Address: PO BOX 2218
Owner Address 2: Not reported
Owner City,St,Zip: PRINCETON, NJ 08543-2218
Owner Phone: Not reported
Owner County Code: Not reported
Resp Party Name: Not reported
RP Address: Not reported
RP Address 2: Not reported
RP City,St,Zip: Not reported
Region Code Name: Not reported
Regulated Expire Date: Not reported

Tank Sequence #: 006
Tank Id: Not reported
Status: Exempt
Status Code End Date: Not reported
Capacity: 1000
Substance: Heating Oil
Tank Substance End Date: Not reported
Install Date: 07/31/1987
Tank Code: UST
Inspection Code: Not reported
Last Inspection: Not reported
Substance Type: P
CASRN for Hazardous Substances: Not reported
Chemical Name: Not reported
Other Information Regarding The Tank Substance: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

58 WOODLAND FUELS 69725 (Continued)

S119705474

Undeliverable Address Ind.: N
Contact Name: RAVINDER PAL COMPLIANCE MGR
Company: Not reported

Tank Sequence #: 005
Tank Id: Not reported
Status: Removed
Status Code End Date: Not reported
Capacity: 1000
Substance: Used Oil (all forms)
Tank Substance End Date: Not reported
Install Date: 07/31/1987
Tank Code: UST
Inspection Code: Not reported
Last Inspection: Not reported
Substance Type: P
CASRN for Hazardous Substances: Not reported
Chemical Name: Not reported
Other Information Regarding The Tank Substance: Not reported
Undeliverable Address Ind.: N
Contact Name: RAVINDER PAL COMPLIANCE MGR
Company: Not reported

E17
ESE
1/8-1/4
0.232 mi.
1226 ft.

58 WOODLAND FUELS 69725
5746 WOODLAND AVE
PHILADELPHIA, PA 19143
Site 2 of 4 in cluster E

PA UST **U001099133**
N/A

Relative:
Lower
Actual:
70 ft.

UST:
Name: 58 WOODLAND FUELS 69725
Address: 5746 WOODLAND AVE
City,State,Zip: PHILADELPHIA, PA 19143
Site ID: 586868
Other Id: 51-32028
Client Id Number: 333267
Municipality Name: Philadelphia
Region: EP SE Rgnl Off Norristown
Mailing Name: RAMOCO MARKETING GROUP LLC
Mailing Address: PO BOX 2218
Mailing Address 2: Not reported
Mailing City,St,Zip: PRINCETON, NJ 08543-2218
Registration Expiration Date: 02/04/2020

Tank Seq No: 1
Tank Status: Currently In Use
Capacity: 10000
Substance: Kerosene
Date Installed: 11/17/1983
Tank Code: UST
Inspection Code: Facility Operation Inspection
Tank Last Dt Inspected: 01/11/2018
Decode for Tstatus: Currently In Use
Decode for Substance: Kerosene

Tank Seq No: 2

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

58 WOODLAND FUELS 69725 (Continued)

U001099133

Tank Status: **Currently In Use**
 Capacity: 8000
 Substance: Gasoline
 Date Installed: 07/31/1987
 Tank Code: UST
 Inspection Code: Facility Operation Inspection
 Tank Last Dt Inspected: 01/11/2018
 Decode for Tstatus: Currently In Use
 Decode for Substance: Gasoline

Tank Seq No: 3
Tank Status: **Currently In Use**
 Capacity: 8000
 Substance: Gasoline
 Date Installed: 07/31/1987
 Tank Code: UST
 Inspection Code: Facility Operation Inspection
 Tank Last Dt Inspected: 01/11/2018
 Decode for Tstatus: Currently In Use
 Decode for Substance: Gasoline

Tank Seq No: 4
Tank Status: **Currently In Use**
 Capacity: 8000
 Substance: Gasoline
 Date Installed: 07/31/1987
 Tank Code: UST
 Inspection Code: Facility Operation Inspection
 Tank Last Dt Inspected: 01/11/2018
 Decode for Tstatus: Currently In Use
 Decode for Substance: Gasoline

<p>F18 South 1/8-1/4 0.241 mi. 1271 ft.</p> <p>Relative: Higher</p> <p>Actual: 79 ft.</p>	<p>WOODLAND VLG PLZ 6000-6150 WOODLAND AVE PHILADELPHIA, PA</p> <p>Site 1 of 2 in cluster F</p> <p>UNREG LTANKS: Region: South East Contaminant: BTEX Closed: Not reported Class: Cleanup of Tanks using authorities other than Act 32</p>	<p>PA UNREG LTANKS</p>	<p>S105919812 N/A</p>
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<p>F19 South 1/8-1/4 0.241 mi. 1271 ft.</p> <p>Relative: Higher</p> <p>Actual: 79 ft.</p>	<p>WOODLAND VILLAGE PLAZA 6000-6150 WOODLAND AVE PHILADELPHIA, PA 19142</p> <p>Site 2 of 2 in cluster F</p> <p>ARCHIVE UST: Name: WOODLAND VILLAGE PLAZA Address: 6000-6150 WOODLAND AVE City,State,Zip: PHILADELPHIA, PA 19142</p>	<p>PA ARCHIVE UST</p>	<p>S111118275 N/A</p>
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Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WOODLAND VILLAGE PLAZA (Continued)

S111118275

Facility Id: 51-45114
Site ID: Not reported
Municipality: Not reported
Client Date: Not reported
Owner Id: 26222
Owner Name: WOODLAND VILLAGE ASSOC
Owner Address: 226 W 37TH ST
Owner Address 2: Not reported
Owner City,St,Zip: NEW YORK, NY 10018
Owner Phone: 2127146809
Owner County Code: 99
Resp Party Name: Not reported
RP Address: Not reported
RP Address 2: Not reported
RP City,St,Zip: Not reported
Region Code Name: Not reported
Regulated Expire Date: Not reported

Tank Sequence #: 001
Tank Id: 109945
Status: Not reported
Status Code End Date: Not reported
Capacity: 8000
Substance: HEATING OIL
Tank Substance End Date: Not reported
Install Date: Not reported
Tank Code: Not reported
Inspection Code: Not reported
Last Inspection: Not reported
Substance Type: Not reported
CASRN for Hazardous Substances: Not reported
Chemical Name: Not reported
Other Information Regarding The Tank Substance: Not reported
Undeliverable Address Ind.: Not reported
Contact Name: Not reported
Company: Not reported

Tank Sequence #: 002
Tank Id: 109946
Status: Not reported
Status Code End Date: Not reported
Capacity: 0
Substance: UNKNOWN
Tank Substance End Date: Not reported
Install Date: Not reported
Tank Code: Not reported
Inspection Code: Not reported
Last Inspection: Not reported
Substance Type: Not reported
CASRN for Hazardous Substances: Not reported
Chemical Name: Not reported
Other Information Regarding The Tank Substance: Not reported
Undeliverable Address Ind.: Not reported
Contact Name: Not reported
Company: Not reported

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

E20 **PHILA RECYCLING & TRANSFER STATION**
ESE **2209 S. 58TH STREET**
1/4-1/2 **PHILADELPHIA, PA 19143**
0.271 mi.
1432 ft. **Site 3 of 4 in cluster E**

PA HIST LF **S105299222**
N/A

Relative: HIST LF INACTIVE:
Lower Size Acres: Not reported
Actual: Cont ID: Not reported
65 ft. Contact Name: Not reported
 Contact Tele: Not reported

E21 **58TH STREET TRANSFER STATION**
ESE **2209 S 58TH ST**
1/4-1/2 **PHILADELPHIA, PA 19143**
0.271 mi.
1432 ft. **Site 4 of 4 in cluster E**

PA SWF/LF **U003165663**
PA LUST **N/A**
PA ARCHIVE UST
PA MANIFEST

Relative: LF:
Lower Name: 58TH STREET TRANSFER STATION
Actual: Address: 2209 S 58TH ST
65 ft. City,State,Zip: PHILADELPHIA, PA 19143-5935
 Daily Volume: Not reported
 Permit: Not reported
 Date Expires: 10/26/2001
 Municipality: Philadelphia
 Contact Person: Not reported
 Contact Phone: Not reported
 Contact Email: Not reported
 Facid: 483498
 Auth ID: 270404
 Auth Type Description: Transfer Station Permit
 Facility Type: Not reported

LUST:
Name: TRANSRIVER PHILA 58TH STREET TRANSFER STAT
Address: 2209 S 58TH ST
City,State,Zip: PHILADELPHIA, PA 19143
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 609703
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: **Cleanup Completed**
Status Date: 10/01/2012
Confirmed Date: 10/14/1998
Program Other Id: 51-43828
Client: COVANTA 4RECOVERY PHILA LLC
Incident Id: 5414
Incident Desc: BFI INC
Suspect Date: Not reported
Source Of Notification: Not reported
Release Discovered: Not reported
Source Cause Of Release: Not reported
Tank: Not reported
Impact Desc: Ground Water
Substance: Not reported
CAS RN: Not reported
Chemical: Not reported
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

58TH STREET TRANSFER STATION (Continued)

U003165663

Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.931877
Longitude: -75.223884

ARCHIVE UST:

Name: TRANSRIVER PHILADELPHIA 58TH STREET TRANSFER STATI
Address: 2209 S 58TH ST
City,State,Zip: PHILADELPHIA, PA 19143-5935
Facility Id: 51-43828
Site ID: 488702
Municipality: Philadelphia
Client Date: 272737
Owner Id: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner Address 2: Not reported
Owner City,St,Zip: Not reported
Owner Phone: Not reported
Owner County Code: Not reported
Resp Party Name: TRANSRIVER PHILADELPHIA, LLC
RP Address: 2209 S 58TH ST
RP Address 2: Not reported
RP City,St,Zip: PHILADELPHIA, PA 19143
Region Code Name: EP SE Rgnl Off Norristown
Regulated Expire Date: Not reported

Tank Sequence #: 002
Tank Id: Not reported
Status: Temporarily Out of use
Status Code End Date: Not reported
Capacity: 8000
Substance: DIESL
Tank Substance End Date: Not reported
Install Date: Not reported
Tank Code: UST
Inspection Code: FOI
Last Inspection: Not reported
Substance Type: Not reported
CASRN for Hazardous Substances: Not reported
Chemical Name: Not reported
Other Information Regarding The Tank Substance: Not reported
Undeliverable Address Ind.: Not reported
Contact Name: Not reported
Company: Not reported

Tank Sequence #: 001
Tank Id: Not reported
Status: Currently In Use
Status Code End Date: Not reported
Capacity: 4000
Substance: DIESL
Tank Substance End Date: Not reported
Install Date: Not reported
Tank Code: UST
Inspection Code: FOI

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

58TH STREET TRANSFER STATION (Continued)

U003165663

Last Inspection: Not reported
Substance Type: Not reported
CASRN for Hazardous Substances: Not reported
Chemical Name: Not reported
Other Information Regarding The Tank Substance: Not reported
Undeliverable Address Ind.: Not reported
Contact Name: Not reported
Company: Not reported

Manifest Details:

Year: 2010
Manifest Number: 001057316GBF
Manifest Type: TSD Copy
Generator EPA Id: PADEP0015608
Generator Date: 06/14/2010
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: NULL
TSD EPA Id: NJD002200046
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 217 SOUTH FIRST STREET
TSD Facility City: ELIZABETH
TSD Facility State: NJ
Facility Telephone: Not reported
Page Number: 1
Line Number: 1
Waste Number: D008
Container Number: 2
Container Type: Fiber or plastic boxes, cartons, cases
Waste Quantity: 600
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

22
East
1/4-1/2
0.304 mi.
1605 ft.

CANNON SLINE
5600 WOODLAND AVE
PHILADELPHIA, PA 19143

PA LUST **S104417177**
PA VCP **N/A**
PA ARCHIVE AST
PA ACT 2-DEED

Relative:
Higher
Actual:
81 ft.

LUST:
Name: OLIVER B CANNON & SON
Address: 5600 WOODLAND AVE
City,State,Zip: PHILADELPHIA, PA 19143
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 609371
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Cleanup Completed
Status Date: 03/20/2000
Confirmed Date: 08/05/1989
Program Other Id: 51-42321
Client: CANNON SLINE
Incident Id: 5188

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CANNON SLINE (Continued)

S104417177

Incident Desc: OLIVER B CANNON & SON
Suspect Date: Not reported
Source Of Notification: Not reported
Release Discovered: Not reported
Source Cause Of Release: Not reported
Tank: Not reported
Impact Desc: Soil
Substance: Unleaded Gasoline
CAS RN: Not reported
Chemical: Not reported
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.934381
Longitude: -75.221787

VCP:

Name: CANNON SLINE
Address: 5600 WOODLAND AVE
City,State,Zip: PHILADELPHIA, PA

Cleanup Records:

Municipality: Not reported
Region: Not reported
Category Desc: Not reported
Type: Not reported
LRP Activity Number: Not reported
Remediation: Not reported
Activity: Not reported
Date Approved: Not reported
Date Received: Not reported
Date Nonuse: 12/15/1999
ICS Code: Not reported
Media: Not reported
Latitude: Not reported
Longitude: Not reported

Name: CANNON SLINE
Address: 5600 WOODLAND AVE
City,State,Zip: PHILADELPHIA, PA 19143

Activity:

Activity ID: 619320, 619320,
Municipality: Philadelphia City
Region: Southeast Region
Category Desc: Not reported
Type: Complete Sites
LRP Activity Number: 5187
Remediation: Statewide Health Standard
Activity: NO
Date Approved: 03/20/2000
Date Received: Not reported
Date Nonuse: Not reported
ICS Code: Not reported
Media: Soil
Latitude: 39.933888000000003
Longitude: -75.221665999999999

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CANNON SLINE (Continued)

S104417177

ARCHIVE AST:

Name: OLIVER B CANNON & SON
Address: 5600 WOODLAND AVE
City,State,Zip: PHILADELPHIA, PA 19143
Facility ID: 51-42321
Site ID: Not reported
Client ID: Not reported
Municipality: Not reported
Region Name: Not reported
Owner ID: 13694
Owner Name: OLIVER B CANNON & SON
Owner Phone: 2157294600
Owner Address: 5600 WOODLAND AVE
Owner Address 2: Not reported
Owner City,St,Zip: PHILADELPHIA, PA 19143
Owner County Code: 51
Resp Party Name: Not reported
RP Address: Not reported
RP Address 2: Not reported
RP City,St,Zip: Not reported
Regulated Exp Date: Not reported

Tank ID: 76568
Tank Sequence #: 001A
Install Date: 11/01/1989
Status: Not reported
Status Code End Date: Not reported
Capacity: 1000
Substance: DIESEL
Tank Substance End Date: Not reported
Tank Code: Not reported
Inspection Code: Not reported
Last Inspection: Not reported
Substance Type: Not reported
CASRN for Hazardous Substances: Not reported
Chemical Name: Not reported
Other Information Regarding The Tank Substance: Not reported
Undeliverable Address Ind.: Not reported
Contact Name: Not reported
Company: Not reported

ACT 2-DEED:

Region: 4100
Municipality: Philadelphia
Site Size: Not reported
Cleanup Standard: Statewide Health
Cleanup Indicator: Not reported
Response Date: 3/20/2000
Category Description: Not reported
Land Designation Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

23
NNW
1/4-1/2
0.311 mi.
1641 ft.

QUICI RES
5706 FLORENCE AVE
PHILADELPHIA, PA 19143

PA VCP **S110122917**
N/A

Relative:
Lower
Actual:
55 ft.

VCP:
Name: QUICI RES
Address: 5706 FLORENCE AVE
City,State,Zip: PHILADELPHIA, PA 19143

Activity:
Activity ID: 726020,

Cleanup Records:
Municipality: Philadelphia City
Region: Southeast Region
Category Desc: Fuel Oil No 2
Type: Complete Sites
LRP Activity Number: 40833
Remediation: Statewide Health Standard
Activity: NO
Date Approved: 01/06/2010
Date Received: Not reported
Date Nonuse: Not reported
ICS Code: Not reported
Media: Soil
Latitude: 39.939722000000003
Longitude: -75.231110999999999

24
South
1/4-1/2
0.327 mi.
1729 ft.

GC MURPHY 3895
6140 WOODLAND AVE
PHILADELPHIA, PA

PA UNREG LTANKS **S105919572**
N/A

Relative:
Lower
Actual:
76 ft.

UNREG LTANKS:
Region: South East
Contaminant: BTEX
Closed: Not reported
Class: Cleanup of Tanks using authorities other than Act 32

25
SW
1/4-1/2
0.338 mi.
1784 ft.

ODONNELL STEEL DRUM
62ND & KINGSESSING AVE
PHILADELPHIA, PA 19142

SEMS-ARCHIVE **1003865205**
PAD980693253

Relative:
Lower
Actual:
64 ft.

SEMS Archive:
Site ID: 0301489
EPA ID: PAD980693253
Cong District: 07
FIPS Code: 42101
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:
Region: 03
Site ID: 0301489

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ODONNELL STEEL DRUM (Continued)

1003865205

EPA ID: PAD980693253
Site Name: ODONNELL STEEL DRUM
NPL: N
FF: N
OU: 00
Action Code: SI
Action Name: SI
SEQ: 2
Start Date: 1980-08-01 04:00:00
Finish Date: 1980-09-01 04:00:00
Qual: L
Current Action Lead: EPA Perf

Region: 03
Site ID: 0301489
EPA ID: PAD980693253
Site Name: ODONNELL STEEL DRUM
NPL: N
FF: N
OU: 00
Action Code: SI
Action Name: SI
SEQ: 1
Start Date: Not reported
Finish Date: 1993-02-16 05:00:00
Qual: N
Current Action Lead: EPA Perf

Region: 03
Site ID: 0301489
EPA ID: PAD980693253
Site Name: ODONNELL STEEL DRUM
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1980-08-01 04:00:00
Finish Date: 1980-08-01 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 03
Site ID: 0301489
EPA ID: PAD980693253
Site Name: ODONNELL STEEL DRUM
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1993-02-16 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

ODONNELL STEEL DRUM (Continued)

1003865205

Region: 03
 Site ID: 0301489
 EPA ID: PAD980693253
 Site Name: ODONNELL STEEL DRUM
 NPL: N
 FF: N
 OU: 00
 Action Code: PA
 Action Name: PA
 SEQ: 1
 Start Date: Not reported
 Finish Date: 1980-09-01 04:00:00
 Qual: L
 Current Action Lead: EPA Perf

26
East
1/4-1/2
0.379 mi.
2002 ft.

DUMONT EXPORT CORP.-ROTARY KILN
5601 PASCHALL AVENUE
PHILADELPHIA, PA 19143

PA HIST LF S103595779
N/A

Relative:
Lower
Actual:
72 ft.

HIST LF INACTIVE:
 Size Acres: Not reported
 Cont ID: Not reported
 Contact Name: Not reported
 Contact Tele: Not reported

27
NNE
1/4-1/2
0.387 mi.
2041 ft.

WINDSOR STREET OIL SPILL E.R.
5441 WINDSOR STREET
PHILADELPHIA, PA 19143

SEMS-ARCHIVE 1001814388
PASFN0305551

Relative:
Higher
Actual:
79 ft.

SEMS Archive:
 Site ID: 0305551
 EPA ID: PASFN0305551
 Cong District: 02
 FIPS Code: 42101
 FF: N
 NPL: Not on the NPL
 Non NPL Status: Removal Only Site (No Site Assessment Work Needed)

SEMS Archive Detail:

Region: 03
 Site ID: 0305551
 EPA ID: PASFN0305551
 Site Name: WINDSOR STREET OIL SPILL E.R.
 NPL: N
 FF: N
 OU: 00
 Action Code: RS
 Action Name: RV ASSESS
 SEQ: 1
 Start Date: 1999-08-13 04:00:00
 Finish Date: 1999-08-13 04:00:00
 Qual: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

WINDSOR STREET OIL SPILL E.R. (Continued)

1001814388

Current Action Lead: EPA Perf

Region: 03
 Site ID: 0305551
 EPA ID: PASFN0305551
 Site Name: WINDSOR STREET OIL SPILL E.R.
 NPL: N
 FF: N
 OU: 00
 Action Code: VS
 Action Name: ARCH SITE
 SEQ: 1
 Start Date: Not reported
 Finish Date: 2011-12-09 05:00:00
 Qual: Not reported
 Current Action Lead: EPA Perf In-Hse

28
NNW
 1/4-1/2
 0.423 mi.
 2233 ft.

PHILA SCH DIST LONGSTRETH ELEM 135
1500 S 57TH ST & WILLOWS AVE
PHILADELPHIA, PA

PA UNREG LTANKS S105919711
N/A

Relative:
Lower
Actual:
61 ft.

UNREG LTANKS:
 Region: South East
 Contaminant: FUEL OIL #2
Closed: Not reported
 Class: Cleanup of Tanks using authorities other than Act 32

29
ESE
 1/4-1/2
 0.434 mi.
 2291 ft.

57TH & GRAYS AVE PROP
57TH ST & GRAYS AVE
PHILADELPHIA, PA

PA UNREG LTANKS S105919441
N/A

Relative:
Lower
Actual:
53 ft.

UNREG LTANKS:
 Region: South East
 Contaminant: FUEL OIL #4
Closed: Not reported
 Class: Cleanup of Tanks using authorities other than Act 32

30
NE
 1/4-1/2
 0.449 mi.
 2371 ft.

DEVORE/HILL SITE
1326-1328 S RUBY ST
PHILADELPHIA, PA 19143

PA VCP S106032044
PA ACT 2-DEED N/A

Relative:
Higher
Actual:
85 ft.

VCP:
 Name: DEVORE/HILL SITE
 Address: 1326-1328 S RUBY ST
 City,State,Zip: PHILADELPHIA, PA 19143

Cleanup Records:
 Municipality: Philadelphia City

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEVORE/HILL SITE (Continued)

S106032044

Region: Southeast Region
Category Desc: PAH
Type: Complete Sites
LRP Activity Number: 31719
Remediation: Statewide Health Standard
Activity: NO
Date Approved: 09/22/2003
Date Received: Not reported
Date Nonuse: Not reported
ICS Code: Not reported
Media: Soil
Latitude: 39.940922
Longitude: -75.22311899999997

Name: DEVORE/HILL SITE
Address: 1326-1328 S RUBY ST
City,State,Zip: PHILADELPHIA, PA 19143

Activity:
Activity ID: 640513, 640513,
Municipality: Philadelphia City
Region: Southeast Region
Category Desc: Leaded Gasoline
Type: Complete Sites
LRP Activity Number: 31719
Remediation: Statewide Health Standard
Activity: NO
Date Approved: 09/22/2003
Date Received: Not reported
Date Nonuse: Not reported
ICS Code: Not reported
Media: Soil
Latitude: 39.940922
Longitude: -75.22311899999997

ACT 2-DEED:
Region: 4100
Municipality: Philadelphia
Site Size: Not reported
Cleanup Standard: Statewide Health
Cleanup Indicator: Not reported
Response Date: 9/22/2003
Category Description: Leaded Gasoline, PAH
Land Designation Code: Not reported

31
ENE
1/4-1/2
0.463 mi.
2446 ft.

SARATOGA CTL OFC
5400 WOODLAND AVE
PHILADELPHIA, PA 19143

PA LAST S109135143
N/A

Relative:
Higher
Actual:
79 ft.

LAST:
Name: SARATOGA CTL OFC
Address: 5400 WOODLAND AVE
City,State,Zip: PHILADELPHIA, PA 19143-5404
Facility Id: 608293
Facility Type: Aboveground Storage Tank
Facility Status: Cleanup Completed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SARATOGA CTL OFC (Continued)

S109135143

Status Date: 06/10/2008
Confirmed Date: 04/28/2008
Hor Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.936303
Longitude: -75.219049
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Program Other ID: 51-17495
Client ID: 87568
Client: VERIZON PENNSYLVANIA LLC
Incident ID: 39044
Incident Desc: NOC
Suspect Date: Not reported
Status Code: 4
Source of Notification: OWNER
Release Discovered: VISOD
Source Cause of Release: OTHR
Tank: Not reported
Comment: Not reported
Impact Code: CONTD
Impact Desc: Release Contained - No Environ. Impact
Substance Code: DIESEL
Substance: Diesel Fuel
CASRN: Not reported
Chemical: Not reported

32
South
1/4-1/2
0.469 mi.
2477 ft.

ROYAL PETRO
6216 PASCHALL AVE
PHILADELPHIA, PA 19142

PA LUST U001462298
PA ARCHIVE UST N/A

Relative:
Lower
Actual:
61 ft.

LUST:
Name: ROYAL PETRO
Address: 6216 PASCHALL AVE
City,State,Zip: PHILADELPHIA, PA 19142-2307
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 608197
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Cleanup Completed
Status Date: 02/06/2007
Confirmed Date: 06/21/2000
Program Other Id: 51-13637
Client: ROYAL PETRO CORP
Incident Id: 5655
Incident Desc: NOC 51-13637
Suspect Date: Not reported
Source Of Notification: INSTL
Release Discovered: CLOS
Source Cause Of Release: INFNP
Tank: Not reported
Impact Desc: Ground Water
Substance: Diesel Fuel
CAS RN: 71-43-2
Chemical: BENZENE
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROYAL PETRO (Continued)

U001462298

Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.926925
Longitude: -75.229743

Name: ROYAL PETRO
Address: 6216 PASCHALL AVE
City,State,Zip: PHILADELPHIA, PA 19142-2307
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 608197
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Cleanup Completed
Status Date: 02/06/2007
Confirmed Date: 06/21/2000
Program Other Id: 51-13637
Client: ROYAL PETRO CORP
Incident Id: 5655
Incident Desc: NOC 51-13637
Suspect Date: Not reported
Source Of Notification: INSTL
Release Discovered: CLOS
Source Cause Of Release: INFNP
Tank: Not reported
Impact Desc: Ground Water
Substance: Diesel Fuel
CAS RN: 98-82-8
Chemical: CUMENE
Comments: Not reported

Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.926925
Longitude: -75.229743

Name: ROYAL PETRO
Address: 6216 PASCHALL AVE
City,State,Zip: PHILADELPHIA, PA 19142-2307
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 608197
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Cleanup Completed
Status Date: 02/06/2007
Confirmed Date: 06/21/2000
Program Other Id: 51-13637
Client: ROYAL PETRO CORP
Incident Id: 5655
Incident Desc: NOC 51-13637
Suspect Date: Not reported
Source Of Notification: INSTL
Release Discovered: CLOS
Source Cause Of Release: INFNP
Tank: Not reported
Impact Desc: Ground Water
Substance: Diesel Fuel
CAS RN: 100-41-4
Chemical: ETHYL BENZENE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROYAL PETRO (Continued)

U001462298

Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.926925
Longitude: -75.229743

Name: ROYAL PETRO
Address: 6216 PASCHALL AVE
City,State,Zip: PHILADELPHIA, PA 19142-2307
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 608197
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Cleanup Completed
Status Date: 02/06/2007
Confirmed Date: 06/21/2000
Program Other Id: 51-13637
Client: ROYAL PETRO CORP
Incident Id: 5655
Incident Desc: NOC 51-13637
Suspect Date: Not reported
Source Of Notification: INSTL
Release Discovered: CLOS
Source Cause Of Release: INFNP
Tank: Not reported
Impact Desc: Ground Water
Substance: Diesel Fuel
CAS RN: 86-73-7
Chemical: FLUORENE

Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.926925
Longitude: -75.229743

Name: ROYAL PETRO
Address: 6216 PASCHALL AVE
City,State,Zip: PHILADELPHIA, PA 19142-2307
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 608197
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Cleanup Completed
Status Date: 02/06/2007
Confirmed Date: 06/21/2000
Program Other Id: 51-13637
Client: ROYAL PETRO CORP
Incident Id: 5655
Incident Desc: NOC 51-13637
Suspect Date: Not reported
Source Of Notification: INSTL
Release Discovered: CLOS
Source Cause Of Release: INFNP
Tank: Not reported
Impact Desc: Ground Water
Substance: Diesel Fuel
CAS RN: 91-20-3

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROYAL PETRO (Continued)

U001462298

Chemical: NAPHTHALENE
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.926925
Longitude: -75.229743

Name: ROYAL PETRO
Address: 6216 PASCHALL AVE
City,State,Zip: PHILADELPHIA, PA 19142-2307
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 608197
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Cleanup Completed
Status Date: 02/06/2007
Confirmed Date: 06/21/2000
Program Other Id: 51-13637
Client: ROYAL PETRO CORP
Incident Id: 5655
Incident Desc: NOC 51-13637
Suspect Date: Not reported
Source Of Notification: INSTL
Release Discovered: CLOS
Source Cause Of Release: INFNP
Tank: Not reported
Impact Desc: Ground Water
Substance: Diesel Fuel
CAS RN: 85-01-8
Chemical: PHENANTHRENE
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.926925
Longitude: -75.229743

Name: ROYAL PETRO
Address: 6216 PASCHALL AVE
City,State,Zip: PHILADELPHIA, PA 19142-2307
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 608197
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Cleanup Completed
Status Date: 02/06/2007
Confirmed Date: 06/21/2000
Program Other Id: 51-13637
Client: ROYAL PETRO CORP
Incident Id: 5655
Incident Desc: NOC 51-13637
Suspect Date: Not reported
Source Of Notification: INSTL
Release Discovered: CLOS
Source Cause Of Release: INFNP
Tank: Not reported
Impact Desc: Ground Water
Substance: Diesel Fuel

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROYAL PETRO (Continued)

U001462298

CAS RN: 108-88-3
Chemical: TOLUENE
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.926925
Longitude: -75.229743

Name: ROYAL PETRO
Address: 6216 PASCHALL AVE
City,State,Zip: PHILADELPHIA, PA 19142-2307
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 608197
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Cleanup Completed
Status Date: 02/06/2007
Confirmed Date: 06/21/2000
Program Other Id: 51-13637
Client: ROYAL PETRO CORP
Incident Id: 5655
Incident Desc: NOC 51-13637
Suspect Date: Not reported
Source Of Notification: INSTL
Release Discovered: CLOS
Source Cause Of Release: INFNP
Tank: Not reported
Impact Desc: Ground Water
Substance: Unleaded Gasoline
CAS RN: 71-43-2
Chemical: BENZENE
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.926925
Longitude: -75.229743

Name: ROYAL PETRO
Address: 6216 PASCHALL AVE
City,State,Zip: PHILADELPHIA, PA 19142-2307
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 608197
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Cleanup Completed
Status Date: 02/06/2007
Confirmed Date: 06/21/2000
Program Other Id: 51-13637
Client: ROYAL PETRO CORP
Incident Id: 5655
Incident Desc: NOC 51-13637
Suspect Date: Not reported
Source Of Notification: INSTL
Release Discovered: CLOS
Source Cause Of Release: INFNP
Tank: Not reported
Impact Desc: Ground Water

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROYAL PETRO (Continued)

U001462298

Substance: Unleaded Gasoline
CAS RN: 98-82-8
Chemical: CUMENE
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.926925
Longitude: -75.229743

Name: ROYAL PETRO
Address: 6216 PASCHALL AVE
City,State,Zip: PHILADELPHIA, PA 19142-2307
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 608197
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Cleanup Completed
Status Date: 02/06/2007
Confirmed Date: 06/21/2000
Program Other Id: 51-13637
Client: ROYAL PETRO CORP
Incident Id: 5655
Incident Desc: NOC 51-13637
Suspect Date: Not reported
Source Of Notification: INSTL
Release Discovered: CLOS
Source Cause Of Release: INFNP
Tank: Not reported
Impact Desc: Ground Water
Substance: Unleaded Gasoline
CAS RN: 100-41-4
Chemical: ETHYL BENZENE
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.926925
Longitude: -75.229743

Name: ROYAL PETRO
Address: 6216 PASCHALL AVE
City,State,Zip: PHILADELPHIA, PA 19142-2307
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 608197
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Cleanup Completed
Status Date: 02/06/2007
Confirmed Date: 06/21/2000
Program Other Id: 51-13637
Client: ROYAL PETRO CORP
Incident Id: 5655
Incident Desc: NOC 51-13637
Suspect Date: Not reported
Source Of Notification: INSTL
Release Discovered: CLOS
Source Cause Of Release: INFNP
Tank: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROYAL PETRO (Continued)

U001462298

Impact Desc: Ground Water
Substance: Unleaded Gasoline
CAS RN: 1634-04-4
Chemical: METHYL TERT-BUTYL ETHER (MTBE)
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.926925
Longitude: -75.229743

Name: ROYAL PETRO
Address: 6216 PASCHALL AVE
City,State,Zip: PHILADELPHIA, PA 19142-2307
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 608197
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Cleanup Completed
Status Date: 02/06/2007
Confirmed Date: 06/21/2000
Program Other Id: 51-13637
Client: ROYAL PETRO CORP
Incident Id: 5655
Incident Desc: NOC 51-13637
Suspect Date: Not reported
Source Of Notification: INSTL
Release Discovered: CLOS
Source Cause Of Release: INFNP
Tank: Not reported
Impact Desc: Ground Water
Substance: Unleaded Gasoline
CAS RN: 91-20-3
Chemical: NAPHTHALENE
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.926925
Longitude: -75.229743

Name: ROYAL PETRO
Address: 6216 PASCHALL AVE
City,State,Zip: PHILADELPHIA, PA 19142-2307
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 608197
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Cleanup Completed
Status Date: 02/06/2007
Confirmed Date: 06/21/2000
Program Other Id: 51-13637
Client: ROYAL PETRO CORP
Incident Id: 5655
Incident Desc: NOC 51-13637
Suspect Date: Not reported
Source Of Notification: INSTL
Release Discovered: CLOS
Source Cause Of Release: INFNP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROYAL PETRO (Continued)

U001462298

Tank: Not reported
Impact Desc: Ground Water
Substance: Unleaded Gasoline
CAS RN: 108-88-3
Chemical: TOLUENE
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.926925
Longitude: -75.229743

Name: ROYAL PETRO
Address: 6216 PASCHALL AVE
City,State,Zip: PHILADELPHIA, PA 19142-2307
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 608197
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Cleanup Completed
Status Date: 02/06/2007
Confirmed Date: 06/21/2000
Program Other Id: 51-13637
Client: ROYAL PETRO CORP
Incident Id: 5655
Incident Desc: NOC 51-13637
Suspect Date: Not reported
Source Of Notification: INSTL
Release Discovered: CLOS
Source Cause Of Release: INFNP
Tank: Not reported
Impact Desc: Ground Water
Substance: Unleaded Gasoline
CAS RN: 1330-20-7
Chemical: XYLENES (TOTAL)
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.926925
Longitude: -75.229743

Name: ROYAL PETRO
Address: 6216 PASCHALL AVE
City,State,Zip: PHILADELPHIA, PA 19142-2307
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 608197
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Cleanup Completed
Status Date: 02/06/2007
Confirmed Date: 06/21/2000
Program Other Id: 51-13637
Client: ROYAL PETRO CORP
Incident Id: 5655
Incident Desc: NOC 51-13637
Suspect Date: Not reported
Source Of Notification: INSTL
Release Discovered: CLOS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROYAL PETRO (Continued)

U001462298

Source Cause Of Release: INFNP
Tank: Not reported
Impact Desc: Soil
Substance: Diesel Fuel
CAS RN: Not reported
Chemical: Not reported
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.926925
Longitude: -75.229743

Name: ROYAL PETRO
Address: 6216 PASCHALL AVE
City,State,Zip: PHILADELPHIA, PA 19142-2307
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 608197
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Cleanup Completed
Status Date: 02/06/2007
Confirmed Date: 06/21/2000
Program Other Id: 51-13637
Client: ROYAL PETRO CORP
Incident Id: 5655
Incident Desc: NOC 51-13637
Suspect Date: Not reported
Source Of Notification: INSTL
Release Discovered: CLOS
Source Cause Of Release: INFNP
Tank: Not reported
Impact Desc: Soil
Substance: Gasoline
CAS RN: Not reported
Chemical: Not reported
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.926925
Longitude: -75.229743

Name: ROYAL PETRO
Address: 6216 PASCHALL AVE
City,State,Zip: PHILADELPHIA, PA 19142-2307
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 608197
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Cleanup Completed
Status Date: 02/06/2007
Confirmed Date: 05/11/2006
Program Other Id: 51-13637
Client: ROYAL PETRO CORP
Incident Id: 36474
Incident Desc: NOC 51-13637
Suspect Date: Not reported
Source Of Notification: OWNER

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROYAL PETRO (Continued)

U001462298

Release Discovered: CLOS
Source Cause Of Release: TANK
Tank: Not reported
Impact Desc: Ground Water
Substance: Diesel Fuel
CAS RN: Not reported
Chemical: Not reported
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.926925
Longitude: -75.229743

Name: ROYAL PETRO
Address: 6216 PASCHALL AVE
City,State,Zip: PHILADELPHIA, PA 19142-2307
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 608197
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Cleanup Completed
Status Date: 02/06/2007
Confirmed Date: 05/11/2006
Program Other Id: 51-13637
Client: ROYAL PETRO CORP
Incident Id: 36474
Incident Desc: NOC 51-13637
Suspect Date: Not reported
Source Of Notification: OWNER
Release Discovered: CLOS
Source Cause Of Release: TANK
Tank: Not reported
Impact Desc: Soil
Substance: Diesel Fuel
CAS RN: Not reported
Chemical: Not reported
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.926925
Longitude: -75.229743

ARCHIVE UST:

Name: ROYAL PETRO
Address: 6216 PASCHALL AVE
City,State,Zip: PHILADELPHIA, PA 19142
Facility Id: 51-13637
Site ID: 586504
Municipality: Philadelphia
Client Date: 172271
Owner Id: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner Address 2: Not reported
Owner City,St,Zip: Not reported
Owner Phone: Not reported
Owner County Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROYAL PETRO (Continued)

U001462298

Resp Party Name: ROYAL PETRO CORP
RP Address: 6216 PASCHALL AVE
RP Address 2: PO BOX 16846
RP City,St,Zip: PHILADELPHIA, PA 19142-0846
Region Code Name: EP SE Rgnl Off
Regulated Expire Date: Not reported

Tank Sequence #: 001
Tank Id: Not reported
Status: Currently In Use
Status Code End Date: Not reported
Capacity: 10000
Substance: DIESL
Tank Substance End Date: Not reported
Install Date: Not reported
Tank Code: UST
Inspection Code: FOI
Last Inspection: Not reported
Substance Type: Not reported
CASRN for Hazardous Substances: Not reported
Chemical Name: Not reported
Other Information Regarding The Tank Substance: Not reported
Undeliverable Address Ind.: Not reported
Contact Name: Not reported
Company: Not reported

G33
ESE
1/4-1/2
0.479 mi.
2529 ft.

WETHERILL & CO, INC
5525 GRAYS AVENUE
PHILADELPHIA, PA 19143

SEMS-ARCHIVE 1003865470
PAD981034507

Site 1 of 2 in cluster G

Relative:
Lower
Actual:
53 ft.

SEMS Archive:
Site ID: 0301823
EPA ID: PAD981034507
Cong District: 01
FIPS Code: 42101
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region: 03
Site ID: 0301823
EPA ID: PAD981034507
Site Name: WETHERILL & CO, INC
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1985-03-01 06:00:00
Finish Date: 1985-03-01 06:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 03

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

WETHERILL & CO, INC (Continued)

1003865470

Site ID: 0301823
 EPA ID: PAD981034507
 Site Name: WETHERILL & CO, INC
 NPL: N
 FF: N
 OU: 00
 Action Code: VS
 Action Name: ARCH SITE
 SEQ: 1
 Start Date: Not reported
 Finish Date: 1987-06-12 04:00:00
 Qual: Not reported
 Current Action Lead: EPA Perf In-Hse

Region: 03
 Site ID: 0301823
 EPA ID: PAD981034507
 Site Name: WETHERILL & CO, INC
 NPL: N
 FF: N
 OU: 00
 Action Code: PA
 Action Name: PA
 SEQ: 1
 Start Date: 1987-04-10 04:00:00
 Finish Date: 1987-06-12 04:00:00
 Qual: N
 Current Action Lead: EPA Perf

G34
ESE
1/4-1/2
0.479 mi.
2529 ft.

BIL-DRY CORP
5525 GRAYS AVE
PHILADELPHIA, PA 19143

RCRA-VSQG **1004777067**
PA LUST **PAR000022194**
PA HIST LF

Site 2 of 2 in cluster G

Relative:
Lower

RCRA-VSQG:
 Date form received by agency: 1996-08-15 00:00:00.0

Actual:
53 ft.

Facility name: BIL-DRY CORP
 Facility address: 5525 GRAYS AVE
 PHILADELPHIA, PA 19143
 EPA ID: PAR000022194
 Contact: GEORGE SODE
 Contact address: 3505 W GRAND RIVER
 HOWELL, MI 48843
 Contact country: US
 Contact telephone: 517-546-8330
 Contact email: Not reported
 EPA Region: 03
 Classification: Conditionally Exempt Small Quantity Generator
 Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BIL-DRY CORP (Continued)

1004777067

from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: BIL-DRY CORP
Owner/operator address: 5525 GRAYS AVE
PHILADELPHIA, PA 19143

Owner/operator country: Not reported
Owner/operator telephone: 215-724-1000
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D006
. Waste name: CADMIUM

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U159

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BIL-DRY CORP (Continued)

1004777067

. Waste name: 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)
. Waste code: U220
. Waste name: BENZENE, METHYL- (OR) TOLUENE
. Waste code: U239
. Waste name: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)
Violation Status: No violations found

LUST:

Name: BIL DRY CORP
Address: 5525 GRAYS AVE
City,State,Zip: PHILADELPHIA, PA 19143
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 610305
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Interim or Remedial Actions Initiated
Status Date: 04/07/2017
Confirmed Date: 06/18/1999
Program Other Id: 51-46568
Client: BIL DRY CORP
Incident Id: 5277
Incident Desc: BIL DRY CO
Suspect Date: Not reported
Source Of Notification: OWNER
Release Discovered: CLOS
Source Cause Of Release: TANK
Tank: Not reported
Impact Desc: Ground Water
Substance: Chlorinated Solvents
CAS RN: 127-18-4
Chemical: TETRACHLOROETHYLENE (PCE)
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.93268
Longitude: -75.218555

Name: BIL DRY CORP
Address: 5525 GRAYS AVE
City,State,Zip: PHILADELPHIA, PA 19143
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 610305
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Interim or Remedial Actions Initiated
Status Date: 04/07/2017
Confirmed Date: 06/18/1999
Program Other Id: 51-46568
Client: BIL DRY CORP
Incident Id: 5277
Incident Desc: BIL DRY CO
Suspect Date: Not reported
Source Of Notification: OWNER
Release Discovered: CLOS
Source Cause Of Release: TANK

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BIL-DRY CORP (Continued)

1004777067

Tank: Not reported
Impact Desc: Ground Water
Substance: Other Organics
CAS RN: 71-43-2
Chemical: BENZENE
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.93268
Longitude: -75.218555

Name: BIL DRY CORP
Address: 5525 GRAYS AVE
City,State,Zip: PHILADELPHIA, PA 19143
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 610305
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Interim or Remedial Actions Initiated
Status Date: 04/07/2017
Confirmed Date: 06/18/1999
Program Other Id: 51-46568
Client: BIL DRY CORP
Incident Id: 5277
Incident Desc: BIL DRY CO
Suspect Date: Not reported
Source Of Notification: OWNER
Release Discovered: CLOS
Source Cause Of Release: TANK
Tank: Not reported
Impact Desc: Ground Water
Substance: Other Organics
CAS RN: 100-41-4
Chemical: ETHYL BENZENE
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.93268
Longitude: -75.218555

Name: BIL DRY CORP
Address: 5525 GRAYS AVE
City,State,Zip: PHILADELPHIA, PA 19143
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 610305
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Interim or Remedial Actions Initiated
Status Date: 04/07/2017
Confirmed Date: 06/18/1999
Program Other Id: 51-46568
Client: BIL DRY CORP
Incident Id: 5277
Incident Desc: BIL DRY CO
Suspect Date: Not reported
Source Of Notification: OWNER
Release Discovered: CLOS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BIL-DRY CORP (Continued)

1004777067

Source Cause Of Release: TANK
Tank: Not reported
Impact Desc: Ground Water
Substance: Other Organics
CAS RN: 108-88-3
Chemical: TOLUENE
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.93268
Longitude: -75.218555

Name: BIL DRY CORP
Address: 5525 GRAYS AVE
City,State,Zip: PHILADELPHIA, PA 19143
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 610305
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Interim or Remedial Actions Initiated
Status Date: 04/07/2017
Confirmed Date: 06/18/1999
Program Other Id: 51-46568
Client: BIL DRY CORP
Incident Id: 5277
Incident Desc: BIL DRY CO
Suspect Date: Not reported
Source Of Notification: OWNER
Release Discovered: CLOS
Source Cause Of Release: TANK
Tank: Not reported
Impact Desc: Soil
Substance: Other Organics
CAS RN: 67-64-1
Chemical: ACETONE
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.93268
Longitude: -75.218555

Name: BIL DRY CORP
Address: 5525 GRAYS AVE
City,State,Zip: PHILADELPHIA, PA 19143
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 610305
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Interim or Remedial Actions Initiated
Status Date: 04/07/2017
Confirmed Date: 06/18/1999
Program Other Id: 51-46568
Client: BIL DRY CORP
Incident Id: 5277
Incident Desc: BIL DRY CO
Suspect Date: Not reported
Source Of Notification: OWNER

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BIL-DRY CORP (Continued)

1004777067

Release Discovered: CLOS
Source Cause Of Release: TANK
Tank: Not reported
Impact Desc: Soil
Substance: Other Organics
CAS RN: 78-93-3
Chemical: METHYL ETHYL KETONE
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.93268
Longitude: -75.218555

Name: BIL DRY CORP
Address: 5525 GRAYS AVE
City,State,Zip: PHILADELPHIA, PA 19143
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 610305
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Interim or Remedial Actions Initiated
Status Date: 04/07/2017
Confirmed Date: 06/18/1999
Program Other Id: 51-46568
Client: BIL DRY CORP
Incident Id: 5277
Incident Desc: BIL DRY CO
Suspect Date: Not reported
Source Of Notification: OWNER
Release Discovered: CLOS
Source Cause Of Release: TANK
Tank: Not reported
Impact Desc: Soil
Substance: Other Organics
CAS RN: 108-88-3
Chemical: TOLUENE
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.93268
Longitude: -75.218555

Name: BIL DRY CORP
Address: 5525 GRAYS AVE
City,State,Zip: PHILADELPHIA, PA 19143
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 610305
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Interim or Remedial Actions Initiated
Status Date: 04/07/2017
Confirmed Date: 06/18/1999
Program Other Id: 51-46568
Client: BIL DRY CORP
Incident Id: 5277
Incident Desc: BIL DRY CO
Suspect Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BIL-DRY CORP (Continued)

1004777067

Source Of Notification: OWNER
Release Discovered: CLOS
Source Cause Of Release: TANK
Tank: Not reported
Impact Desc: Soil
Substance: Other Organics
CAS RN: Not reported
Chemical: Not reported
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.93268
Longitude: -75.218555

HIST LF INVENTORY:

Site ID: 1-459
Inspect Date: 08/24/00
Facility Status: INACTIVE
Facility Type: Not reported

35
East
1/2-1
0.708 mi.
3738 ft.
Relative:
Lower
Actual:
59 ft.

MA BRUDER & SONS
52ND & GRAYS AVE
PHILADELPHIA, PA 19143

SEMS-ARCHIVE 1000140188
CORRACTS PAD069020691
US INST CONTROL
RCRA NonGen / NLR
2020 COR ACTION
FINDS
ECHO
PA MANIFEST
NJ MANIFEST
NY MANIFEST

SEMS Archive:
Site ID: 0303751
EPA ID: PAD069020691
Cong District: 01
FIPS Code: 42101
FF: N
NPL: Not on the NPL
Non NPL Status: Deferred to RCRA (Subtitle C)

SEMS Archive Detail:
Region: 03
Site ID: 0303751
EPA ID: PAD069020691
Site Name: BRUDER M A & SONS INC
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1996-01-23 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 03
Site ID: 0303751

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MA BRUDER & SONS (Continued)

1000140188

EPA ID: PAD069020691
Site Name: BRUDER M A & SONS INC
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: 1990-08-07 04:00:00
Finish Date: 1990-11-28 05:00:00
Qual: D
Current Action Lead: EPA Perf

Region: 03
Site ID: 0303751
EPA ID: PAD069020691
Site Name: BRUDER M A & SONS INC
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1989-10-03 04:00:00
Finish Date: 1989-10-03 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf

CORRACTS:

EPA ID: PAD069020691
EPA Region: 03
Area Name: ENTIRE FACILITY
Actual Date: 2015-09-10 00:00:00.0
Action: CA900CR
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: PAD069020691
EPA Region: 03
Area Name: ENTIRE FACILITY
Actual Date: 2015-09-10 00:00:00.0
Action: CA800YE
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: PAD069020691
EPA Region: 03
Area Name: ENTIRE FACILITY
Actual Date: 2015-09-10 00:00:00.0
Action: CA550NR
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MA BRUDER & SONS (Continued)

1000140188

EPA ID: PAD069020691
EPA Region: 03
Area Name: ENTIRE FACILITY
Actual Date: 2015-09-10 00:00:00.0
Action: CA400 - Date For Remedy Selection (CM Imposed)
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: PAD069020691
EPA Region: 03
Area Name: ENTIRE FACILITY
Actual Date: 2015-01-29 00:00:00.0
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: PAD069020691
EPA Region: 03
Area Name: ENTIRE FACILITY
Actual Date: 2015-01-02 00:00:00.0
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: PAD069020691
EPA Region: 03
Area Name: AREA D
Actual Date: 2013-01-09 00:00:00.0
Action: CA772PR
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: PAD069020691
EPA Region: 03
Area Name: AREA C
Actual Date: 2013-01-09 00:00:00.0
Action: CA772PR
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: PAD069020691
EPA Region: 03
Area Name: AREA B
Actual Date: 2013-01-09 00:00:00.0
Action: CA772PR
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: PAD069020691

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MA BRUDER & SONS (Continued)

1000140188

EPA Region: 03
Area Name: AREA A
Actual Date: 2013-01-09 00:00:00.0
Action: CA772PR
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: PAD069020691
EPA Region: 03
Area Name: ENTIRE FACILITY
Actual Date: 2009-06-29 00:00:00.0
Action: CA200 - RFI Approved
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: PAD069020691
EPA Region: 03
Area Name: ENTIRE FACILITY
Actual Date: 2002-09-17 00:00:00.0
Action: CA100 - RFI Imposition
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: PAD069020691
EPA Region: 03
Area Name: ENTIRE FACILITY
Actual Date: 1991-12-01 00:00:00.0
Action: CA075ME - CA Prioritization, Facility or area was assigned a medium corrective action priority
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

US INST CONTROL:

Name: M A BRUDER & SONS INC
Address: 52 ND & GRAYS AVE
Address 2: Not reported
City,State,Zip: PHILADELPHIA, PA 19143
EPA ID: PAD069020691
Site ID: Not reported
Action Name: Not reported
Action ID: Not reported
Operable Unit: Not reported
Action Completion Date: 01/01/1900
Actual Date: 01/09/2013
Contaminated Media: Not reported
Institutional Control: Not reported
Event Code: CA772EP
Contact Name: GORDON KUNTZ
Contact Telephone: 216-566-2889
Event: INSTITUTIONAL CONTROLS ESTABLISHED-ENFORCEMENT AND PERMIT TOOLS

RCRA NonGen / NLR:

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MAP FINDINGS

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Database(s)

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EPA ID Number

MA BRUDER & SONS (Continued)

1000140188

Date form received by agency: 2017-11-29 00:00:00.0
Facility name: MA BRUDER & SONS
Facility address: 52ND & GRAYS AVE
PHILADELPHIA, PA 19143
EPA ID: PAD069020691
Contact: Not reported
Contact address: Not reported
Contact country: Not reported
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 03
Land type: Other land type
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 2008-02-05 00:00:00.0
Site name: M A BRUDER & SONS INC
Classification: Large Quantity Generator

Date form received by agency: 2007-10-04 00:00:00.0
Site name: MA BRUDER & SONS
Classification: Large Quantity Generator

Date form received by agency: 2006-02-27 00:00:00.0
Site name: M A BRUDER & SONS INC
Classification: Large Quantity Generator

Date form received by agency: 2004-02-24 00:00:00.0
Site name: M A BRUDER & SONS INC
Classification: Large Quantity Generator

Date form received by agency: 2002-04-10 00:00:00.0
Site name: M A BRUDER & SONS INC
Classification: Large Quantity Generator

Date form received by agency: 2001-03-22 00:00:00.0
Site name: MA BRUDER AND SONS

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MA BRUDER & SONS (Continued)

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Classification: Large Quantity Generator

Date form received by agency: 1998-02-09 00:00:00.0
Site name: MA BRUDER & SONS INC
Classification: Large Quantity Generator

Date form received by agency: 1996-02-08 00:00:00.0
Site name: MA BRUDER & SONS INC
Classification: Large Quantity Generator

Date form received by agency: 1994-02-28 00:00:00.0
Site name: M. A. BRUDER & SONS INC
Classification: Large Quantity Generator

Date form received by agency: 1992-01-22 00:00:00.0
Site name: M. A. BRUDER & SONS, INC.
Classification: Large Quantity Generator

Date form received by agency: 1990-02-28 00:00:00.0
Site name: M. A. BRUDER & SONS, INC.
Classification: Large Quantity Generator

Date form received by agency: 1980-11-19 00:00:00.0
Site name: BRUDER M A & SONS INC
Classification: Not a generator, verified

Date form received by agency: 1980-07-22 00:00:00.0
Site name: BRUDER M A & SONS INC
Classification: Large Quantity Generator

Date form received by agency: 1979-01-01 00:00:00.0
Site name: BRUDER M A & SONS INC
Classification: Large Quantity Generator

Hazardous Waste Summary:

- . Waste code: D000
- . Waste name: Not Defined

- . Waste code: D001
- . Waste name: IGNITABLE WASTE

- . Waste code: D002
- . Waste name: CORROSIVE WASTE

- . Waste code: D005
- . Waste name: BARIUM

- . Waste code: D006
- . Waste name: CADMIUM

- . Waste code: D007
- . Waste name: CHROMIUM

- . Waste code: D008
- . Waste name: LEAD

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

MA BRUDER & SONS (Continued)

1000140188

- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE

- . Waste code: D043
- . Waste name: VINYL CHLORIDE

- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F005
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: U161
- . Waste name: 4-METHYL-2-PENTANONE (I) (OR) METHYL ISOBUTYL KETONE (I) (OR) PENTANOL, 4-METHYL-

- . Waste code: U220
- . Waste name: BENZENE, METHYL- (OR) TOLUENE

- . Waste code: U239
- . Waste name: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Corrective Action Summary:

- Event date: 1991-12-01 00:00:00.0
- Event: CA PRIORITIZATION-MEDIUM CA PRIORITY

- Event date: 2002-09-17 00:00:00.0
- Event: INVESTIGATION IMPOSITION

- Event date: 2009-06-29 00:00:00.0
- Event: INVESTIGATION COMPLETE

- Event date: 2013-01-09 00:00:00.0
- Event: INSTITUTIONAL CONTROLS ESTABLISHED-PROPRIETARY CONTROL

- Event date: 2015-01-02 00:00:00.0
- Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

- Event date: 2015-01-29 00:00:00.0
- Event: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

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MAP FINDINGS

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MA BRUDER & SONS (Continued)

1000140188

Event date: 2015-09-10 00:00:00.0
Event: READY FOR ANTICIPATED USE DETERMINATION - READY FOR ANTICIPATED USE

Event date: 2015-09-10 00:00:00.0
Event: CA PERFORMANCE STANDARDS ATTAINED - CONTROLS REQUIRED

Event date: 2015-09-10 00:00:00.0
Event: REMEDY DECISION

Event date: 2015-09-10 00:00:00.0
Event: REMEDY CONSTRUCTION-NO REMEDY CONSTRUCTED

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 2007-03-08 00:00:00.0
Date achieved compliance: 2007-03-13 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 40cfr262.34(c)
Area of violation: Generators - Pre-transport
Date violation determined: 2003-03-31 00:00:00.0
Date achieved compliance: 2003-03-31 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 40cfr262.34(a)
Area of violation: Generators - Pre-transport
Date violation determined: 2003-03-31 00:00:00.0
Date achieved compliance: 2003-06-05 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 40cfr262.34(c)(1)(ii)
Area of violation: Generators - Pre-transport

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EPA ID Number

MA BRUDER & SONS (Continued)

1000140188

Date violation determined: 2001-09-19 00:00:00.0
Date achieved compliance: 2002-01-10 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 40cfr 265.174
Area of violation: TSD - Container Use and Management
Date violation determined: 2001-09-19 00:00:00.0
Date achieved compliance: 2002-01-10 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 25PA code 262a.100
Area of violation: Generators - General
Date violation determined: 2001-09-19 00:00:00.0
Date achieved compliance: 2002-01-10 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 265.178
Area of violation: Generators - General
Date violation determined: 1996-06-18 00:00:00.0
Date achieved compliance: 1997-02-28 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 2007-03-08 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

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MA BRUDER & SONS (Continued)

1000140188

Area of violation: Generators - Pre-transport
Date achieved compliance: 2007-03-13 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2005-04-21 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2004-04-20 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2003-06-05 00:00:00.0
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Generators - Pre-transport
Date achieved compliance: 2003-06-05 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2003-03-31 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 2003-03-31 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2003-03-31 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 2003-06-05 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2002-01-10 00:00:00.0
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: TSD - Container Use and Management
Date achieved compliance: 2002-01-10 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2002-01-10 00:00:00.0
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Generators - General
Date achieved compliance: 2002-01-10 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2002-01-10 00:00:00.0
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Generators - Pre-transport
Date achieved compliance: 2002-01-10 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2001-09-19 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 2002-01-10 00:00:00.0
Evaluation lead agency: State

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EPA ID Number

MA BRUDER & SONS (Continued)

1000140188

Evaluation date: 2001-09-19 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 2002-01-10 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2001-09-19 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Container Use and Management
Date achieved compliance: 2002-01-10 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1999-03-02 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1998-09-17 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1998-01-13 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1997-02-28 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1996-06-18 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 1997-02-28 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1990-10-15 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1989-12-14 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

2020 COR ACTION:

EPA ID: PAD069020691
Region: 3
Action: Remedy Construction

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MA BRUDER & SONS (Continued)

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FINDS:

Registry ID: 110055946847

Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

HAZARDOUS AIR POLLUTANT MAJOR

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

PA-EFACTS (Pennsylvania - Environmental Facility Application Compliance Tracking System) is a Department-wide database that provides a holistic view of clients and sites (including facilities) that DEP regulates.

HAZARDOUS WASTE BIENNIAL REPORTER

AIR MINOR

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and its Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also

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MA BRUDER & SONS (Continued)

1000140188

has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000140188
Registry ID: 110055946847
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110055946847>

Manifest Details:

Year: 2008
Manifest Number: 003817699JJK
Manifest Type: TSD Copy
Generator EPA Id: PAD069020691
Generator Date: 05/29/2008
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: 215-727-0587
TSD EPA Id: PAD085690592
TSD Date: Not reported
TSD Facility Name: REPUBLIC ENVIRONMENTAL SYSTEMS OF PA INC
TSD Facility Address: 2869 SANDSTONE DRIVE
TSD Facility City: HATFIELD
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 3
Waste Number: x99x
Container Number: 5
Container Type: Metal drums, barrels, kegs
Waste Quantity: 1000
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2008
Manifest Number: 003817701JJK
Manifest Type: TSD Copy
Generator EPA Id: PAD069020691
Generator Date: 05/29/2008
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: 215-727-0587
TSD EPA Id: SCD036275626
TSD Date: Not reported
TSD Facility Name: GIANT RESOURCE RECOVERY SUMTER INC
TSD Facility Address: 755 INDUSTRIAL ROAD
TSD Facility City: SUMTER
TSD Facility State: SC

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MA BRUDER & SONS (Continued)

1000140188

Facility Telephone: Not reported
Page Number: 1
Line Number: 2
Waste Number: D035
Container Number: 8
Container Type: Metal drums, barrels, kegs
Waste Quantity: 440
Unit: Gallons (liquids only)
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2008
Manifest Number: 0024467969FLE
Manifest Type: TSD Copy
Generator EPA Id: PAD069020691
Generator Date: 09/23/2008
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: 215-727-0587
TSD EPA Id: SCD036275626
TSD Date: Not reported
TSD Facility Name: GIANT RESOURCE RECOVERY SUMTER INC
TSD Facility Address: 755 INDUSTRIAL ROAD
TSD Facility City: SUMTER
TSD Facility State: SC
Facility Telephone: Not reported
Page Number: 1
Line Number: 1
Waste Number: D001
Container Number: 1
Container Type: Metal drums, barrels, kegs
Waste Quantity: 55
Unit: Gallons (liquids only)
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2008
Manifest Number: 001517346FLE
Manifest Type: TSD Copy
Generator EPA Id: PAD069020691
Generator Date: 07/29/2008
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: 215-727-0587
TSD EPA Id: SCD036275626
TSD Date: Not reported
TSD Facility Name: GIANT RESOURCE RECOVERY SUMTER INC
TSD Facility Address: 755 INDUSTRIAL ROAD
TSD Facility City: SUMTER
TSD Facility State: SC
Facility Telephone: Not reported
Page Number: 1
Line Number: 2

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MA BRUDER & SONS (Continued)

1000140188

Waste Number: F005
Container Number: 12
Container Type: Metal drums, barrels, kegs
Waste Quantity: 660
Unit: Gallons (liquids only)
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2008
Manifest Number: 001517346FLE
Manifest Type: TSD Copy
Generator EPA Id: PAD069020691
Generator Date: 07/29/2008
Mailing Address: Not reported
Mailing City, St, Zip: Not reported
Contact Name: Not reported
Contact Phone: 215-727-0587
TSD EPA Id: SCD036275626
TSD Date: Not reported
TSD Facility Name: GIANT RESOURCE RECOVERY SUMTER INC
TSD Facility Address: 755 INDUSTRIAL ROAD
TSD Facility City: SUMTER
TSD Facility State: SC
Facility Telephone: Not reported
Page Number: 1
Line Number: 2
Waste Number: F003
Container Number: 12
Container Type: Metal drums, barrels, kegs
Waste Quantity: 660
Unit: Gallons (liquids only)
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2008
Manifest Number: 0024467969FLE
Manifest Type: TSD Copy
Generator EPA Id: PAD069020691
Generator Date: 09/23/2008
Mailing Address: Not reported
Mailing City, St, Zip: Not reported
Contact Name: Not reported
Contact Phone: 215-727-0587
TSD EPA Id: SCD036275626
TSD Date: Not reported
TSD Facility Name: GIANT RESOURCE RECOVERY SUMTER INC
TSD Facility Address: 755 INDUSTRIAL ROAD
TSD Facility City: SUMTER
TSD Facility State: SC
Facility Telephone: Not reported
Page Number: 1
Line Number: 2
Waste Number: D001
Container Number: 1
Container Type: Metal drums, barrels, kegs

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EPA ID Number

MA BRUDER & SONS (Continued)

1000140188

Waste Quantity: 55
Unit: Gallons (liquids only)
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2008
Manifest Number: 001517346FLE
Manifest Type: TSD Copy
Generator EPA Id: PAD069020691
Generator Date: 07/29/2008
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: 215-727-0587
TSD EPA Id: SCD036275626
TSD Date: Not reported
TSD Facility Name: GIANT RESOURCE RECOVERY SUMTER INC
TSD Facility Address: 755 INDUSTRIAL ROAD
TSD Facility City: SUMTER
TSD Facility State: SC
Facility Telephone: Not reported
Page Number: 1
Line Number: 2
Waste Number: D035
Container Number: 12
Container Type: Metal drums, barrels, kegs
Waste Quantity: 660
Unit: Gallons (liquids only)
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2008
Manifest Number: 001517346FLE
Manifest Type: TSD Copy
Generator EPA Id: PAD069020691
Generator Date: 07/29/2008
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: 215-727-0587
TSD EPA Id: SCD036275626
TSD Date: Not reported
TSD Facility Name: GIANT RESOURCE RECOVERY SUMTER INC
TSD Facility Address: 755 INDUSTRIAL ROAD
TSD Facility City: SUMTER
TSD Facility State: SC
Facility Telephone: Not reported
Page Number: 1
Line Number: 2
Waste Number: D001
Container Number: 12
Container Type: Metal drums, barrels, kegs
Waste Quantity: 660
Unit: Gallons (liquids only)
Handling Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MA BRUDER & SONS (Continued)

1000140188

TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2008
Manifest Number: 001517346FLE
Manifest Type: TSD Copy
Generator EPA Id: PAD069020691
Generator Date: 07/29/2008
Mailing Address: Not reported
Mailing City, St, Zip: Not reported
Contact Name: Not reported
Contact Phone: 215-727-0587
TSD EPA Id: SCD036275626
TSD Date: Not reported
TSD Facility Name: GIANT RESOURCE RECOVERY SUMTER INC
TSD Facility Address: 755 INDUSTRIAL ROAD
TSD Facility City: SUMTER
TSD Facility State: SC
Facility Telephone: Not reported
Page Number: 1
Line Number: 1
Waste Number: D001
Container Number: 43
Container Type: Metal drums, barrels, kegs
Waste Quantity: 2365
Unit: Gallons (liquids only)
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2008
Manifest Number: 001517345FLE
Manifest Type: TSD Copy
Generator EPA Id: PAD069020691
Generator Date: 07/29/2008
Mailing Address: Not reported
Mailing City, St, Zip: Not reported
Contact Name: Not reported
Contact Phone: 215-727-0587
TSD EPA Id: PAD085690592
TSD Date: Not reported
TSD Facility Name: REPUBLIC ENVIRONMENTAL SYSTEMS OF PA INC
TSD Facility Address: 2869 SANDSTONE DRIVE
TSD Facility City: HATFIELD
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 1
Waste Number: D001
Container Number: 5
Container Type: Metal drums, barrels, kegs
Waste Quantity: 3500
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MA BRUDER & SONS (Continued)

1000140188

[Click this hyperlink](#) while viewing on your computer to access
40 additional PA_MANIFEST: record(s) in the EDR Site Report.

NJ MANIFEST:

EPA Id: PAD069020691
Mail Address: Not reported
Mail City/State/Zip: Not reported
Facility Phone: Not reported
Emergency Phone: Not reported
Contact: Not reported
Comments: Not reported
SIC Code: Not reported
County: 00
Municipal: 00
Previous EPA Id: Not reported
Gen Flag: X
Trans Flag: Not reported
TSDf Flag: Not reported
Name Change: Not reported
Date Change: Not reported

Manifest:

Manifest Number: NJA5107665
EPA ID: PAD069020691
Date Shipped: 11/18/2004
TSDf EPA ID: NJD002454544
Transporter EPA ID: NJD000692061
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 9 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 11/18/2004
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDf Received Waste: 11/18/2004
TSDf EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MA BRUDER & SONS (Continued)

1000140188

Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 01100522
Was Load Rejected: No
Reason Load Was Rejected: Not reported

Manifest Number: NJA5031620
EPA ID: PAD069020691
Date Shipped: 01/15/2004
TSDF EPA ID: NJD002454544
Transporter EPA ID: NJD002454544
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 9 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 01/15/2004
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: 01/15/2004
TSDF EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 03120421
Was Load Rejected: No
Reason Load Was Rejected: Not reported

Manifest Number: NJA5116877
EPA ID: PAD069020691
Date Shipped: 05/19/2005
TSDF EPA ID: NJD002454544
Transporter EPA ID: NJD002454544
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MA BRUDER & SONS (Continued)

1000140188

Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	05/19/2005
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	05/19/2005
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	06220521
Was Load Rejected:	No
Reason Load Was Rejected:	Not reported
Manifest Number:	NJA5034482
EPA ID:	PAD069020691
Date Shipped:	05/11/2004
TSDF EPA ID:	NJD002454544
Transporter EPA ID:	NJD002454544
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	05/11/2004
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	05/11/2004
TSDF EPA Facility Name:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MA BRUDER & SONS (Continued)

1000140188

QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 05210425
Was Load Rejected: No
Reason Load Was Rejected: Not reported

NY MANIFEST:

Name: M A BRUDER & SONS
Address: 52ND & GRAYS AVE
City,State,Zip: PHILADELPHIA, PA 19143
Country: USA
EPA ID: PAD069020691
Facility Status: Not reported
Location Address 1: 52ND & GRAYS AVENUE
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: PHILADELPHIA
Location State: PA
Location Zip: 19143
Location Zip 4: Not reported

NY MANIFEST:

EPAID: PAD069020691
Mailing Name: M A BRUDER & SONS
Mailing Contact: M A BRUDER & SONS
Mailing Address 1: 52ND & GRAYS AVENUE
Mailing Address 2: Not reported
Mailing City: PHILADELPHIA
Mailing State: PA
Mailing Zip: 19143
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 2157275107

NY MANIFEST:

Document ID: NYA3136241
Manifest Status: C
seq: Not reported
Year: 1986
Trans1 State ID: PATL89434
Trans2 State ID: Not reported
Generator Ship Date: 08/08/1986
Trans1 Recv Date: 08/08/1986
Trans2 Recv Date: / /
TSD Site Recv Date: 08/11/1986

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MA BRUDER & SONS (Continued)

1000140188

Part A Recv Date: 08/15/1986
Part B Recv Date: 08/18/1986
Generator EPA ID: PAD069020691
Trans1 EPA ID: PAD085690592
Trans2 EPA ID: Not reported
TSDF ID 1: NYD043815703
TSDF ID 2: Not reported
Manifest Tracking Number: Not reported
Import Indicator: Not reported
Export Indicator: Not reported
Discr Quantity Indicator: Not reported
Discr Type Indicator: Not reported
Discr Residue Indicator: Not reported
Discr Partial Reject Indicator: Not reported
Discr Full Reject Indicator: Not reported
Manifest Ref Number: Not reported
Alt Facility RCRA ID: Not reported
Alt Facility Sign Date: Not reported
MGMT Method Type Code: Not reported
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Waste Code: Not reported
Waste Code: Not reported
Waste Code: Not reported
Waste Code: Not reported
Waste Code: Not reported
Quantity: 05000
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100

[Click this hyperlink](#) while viewing on your computer to access
-1 additional NY MANIFEST: record(s) in the EDR Site Report.

Count: 3 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
LANSLOWNE	1003867128	DARBY BOROUGH GARAGE	GREENWAY AND 5TH STREET	19050	SEMS-ARCHIVE
PHILADELPHIA	S105919773	SUN PIPE LINE	64TH & PASSYUNK AVE		PA UNREG LTANKS
PHILADELPHIA	1003865049	PUREX CORP FELS PLT	73RD & WOODLAND AVE	19142	SEMS-ARCHIVE

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 07/19/2019	Source: EPA
Date Data Arrived at EDR: 07/30/2019	Telephone: N/A
Date Made Active in Reports: 09/03/2019	Last EDR Contact: 10/02/2019
Number of Days to Update: 35	Next Scheduled EDR Contact: 01/13/2020
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 07/19/2019	Source: EPA
Date Data Arrived at EDR: 07/30/2019	Telephone: N/A
Date Made Active in Reports: 09/03/2019	Last EDR Contact: 10/02/2019
Number of Days to Update: 35	Next Scheduled EDR Contact: 01/13/2020
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: N/A
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 04/03/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 10/04/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 01/27/2020
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 07/19/2019	Source: EPA
Date Data Arrived at EDR: 07/30/2019	Telephone: 800-424-9346
Date Made Active in Reports: 09/03/2019	Last EDR Contact: 10/02/2019
Number of Days to Update: 35	Next Scheduled EDR Contact: 01/27/2020
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/24/2019	Source: EPA
Date Data Arrived at EDR: 06/26/2019	Telephone: 800-424-9346
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 10/28/2019
Number of Days to Update: 113	Next Scheduled EDR Contact: 01/06/2020
	Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/24/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/26/2019	Telephone: 800-438-2474
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 10/28/2019
Number of Days to Update: 113	Next Scheduled EDR Contact: 01/06/2020
	Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/24/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/26/2019	Telephone: 800-438-2474
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 10/28/2019
Number of Days to Update: 113	Next Scheduled EDR Contact: 01/06/2020
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/24/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/26/2019	Telephone: 800-438-2474
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 10/28/2019
Number of Days to Update: 113	Next Scheduled EDR Contact: 01/06/2020
	Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/24/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/26/2019	Telephone: 800-438-2474
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 10/28/2019
Number of Days to Update: 113	Next Scheduled EDR Contact: 01/06/2020
	Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 08/13/2019	Source: Department of the Navy
Date Data Arrived at EDR: 08/20/2019	Telephone: 843-820-7326
Date Made Active in Reports: 08/26/2019	Last EDR Contact: 08/07/2019
Number of Days to Update: 6	Next Scheduled EDR Contact: 11/25/2019
	Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 08/19/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/20/2019	Telephone: 703-603-0695
Date Made Active in Reports: 08/26/2019	Last EDR Contact: 08/20/2019
Number of Days to Update: 6	Next Scheduled EDR Contact: 12/09/2019
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 08/19/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/20/2019	Telephone: 703-603-0695
Date Made Active in Reports: 08/26/2019	Last EDR Contact: 08/20/2019
Number of Days to Update: 6	Next Scheduled EDR Contact: 12/09/2019
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 14

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

SHWS: Hazardous Sites Cleanup Act Site List

The Hazardous Sites Cleanup Act Site List includes sites listed on PA Priority List, sites delisted from PA Priority List, Interim Response Completed sites, and Sites Being Studied or Response Being Planned.

Date of Government Version: 07/16/2019
Date Data Arrived at EDR: 07/18/2019
Date Made Active in Reports: 08/29/2019
Number of Days to Update: 42

Source: Department Environmental Protection
Telephone: 717-783-7816
Last EDR Contact: 10/17/2019
Next Scheduled EDR Contact: 01/27/2020
Data Release Frequency: Quarterly

HSCA: HSCA Remedial Sites Listing

A list of remedial sites on the PA Priority List. This is the PA state equivalent of the federal NPL superfund list.

Date of Government Version: 08/01/2018
Date Data Arrived at EDR: 01/23/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 68

Source: Department of Environmental Protection
Telephone: 717-783-7816
Last EDR Contact: 10/18/2019
Next Scheduled EDR Contact: 01/27/2020
Data Release Frequency: Annually

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Operating Facilities

The listing includes Municipal Waste Landfills, Construction/Demolition Waste Landfills and Waste-to-Energy Facilities.

Date of Government Version: 08/19/2019
Date Data Arrived at EDR: 08/21/2019
Date Made Active in Reports: 09/05/2019
Number of Days to Update: 15

Source: Department of Environmental Protection
Telephone: 717-787-7564
Last EDR Contact: 08/19/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Semi-Annually

State and tribal leaking storage tank lists

LAST: Storage Tank Release Sites

Leaking Aboveground Storage Tank Incident Reports.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/12/2019
Date Made Active in Reports: 06/17/2019
Number of Days to Update: 5

Source: Department of Environmental Protection
Telephone: 717-783-7509
Last EDR Contact: 09/10/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Quarterly

LUST: Storage Tank Release Sites

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/12/2019
Date Made Active in Reports: 06/17/2019
Number of Days to Update: 5

Source: Department of Environmental Protection
Telephone: 717-783-7509
Last EDR Contact: 09/10/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Quarterly

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 04/12/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/11/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 07/02/2019
Date Data Arrived at EDR: 10/16/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 8

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/08/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 79

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/16/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/16/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/01/2019	Source: EPA Region 6
Date Data Arrived at EDR: 07/29/2019	Telephone: 214-665-6597
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 10/25/2019
Number of Days to Update: 80	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/08/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/29/2019	Telephone: 415-972-3372
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 10/25/2019
Number of Days to Update: 80	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies

UNREG LTANKS: Unregulated Tank Cases

Leaking storage tank cases from unregulated storage tanks.

Date of Government Version: 04/12/2002	Source: Department of Environmental Protection
Date Data Arrived at EDR: 08/14/2003	Telephone: 717-783-7509
Date Made Active in Reports: 08/29/2003	Last EDR Contact: 08/14/2003
Number of Days to Update: 15	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017	Source: FEMA
Date Data Arrived at EDR: 05/30/2017	Telephone: 202-646-5797
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 10/11/2019
Number of Days to Update: 136	Next Scheduled EDR Contact: 01/20/2020
	Data Release Frequency: Varies

UST: Listing of Pennsylvania Regulated Underground Storage Tanks

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 06/04/2019	Source: Department of Environmental Protection
Date Data Arrived at EDR: 06/12/2019	Telephone: 717-772-5599
Date Made Active in Reports: 06/17/2019	Last EDR Contact: 09/10/2019
Number of Days to Update: 5	Next Scheduled EDR Contact: 12/23/2019
	Data Release Frequency: Varies

AST: Listing of Pennsylvania Regulated Aboveground Storage Tanks

Registered Aboveground Storage Tanks.

Date of Government Version: 06/04/2019	Source: Department of Environmental Protection
Date Data Arrived at EDR: 06/12/2019	Telephone: 717-772-5599
Date Made Active in Reports: 06/17/2019	Last EDR Contact: 09/10/2019
Number of Days to Update: 5	Next Scheduled EDR Contact: 12/23/2019
	Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/11/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 79

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 04/12/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/08/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/16/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/16/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 79

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/02/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/08/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

ENG CONTROLS: Engineering Controls Site Listing

Under the Land Recycling Act (Act 2) persons who perform a site cleanup using the site-specific standard or the special industrial area standard may use engineering or institutional controls as part of the response action. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 05/15/2008
Date Data Arrived at EDR: 05/16/2008
Date Made Active in Reports: 06/12/2008
Number of Days to Update: 27

Source: Department of Environmental Protection
Telephone: 717-783-9470
Last EDR Contact: 10/15/2019
Next Scheduled EDR Contact: 01/27/2020
Data Release Frequency: No Update Planned

AUL: Environmental Covenants Listing

A listing of sites with environmental covenants.

Date of Government Version: 07/16/2019
Date Data Arrived at EDR: 07/18/2019
Date Made Active in Reports: 08/29/2019
Number of Days to Update: 42

Source: Department of Environmental Protection
Telephone: 717-783-7509
Last EDR Contact: 10/17/2019
Next Scheduled EDR Contact: 01/27/2020
Data Release Frequency: Quarterly

INST CONTROL: Institutional Controls Site Listing

Under the Land Recycling Act (Act 2) persons who perform a site cleanup using the site-specific standard or the special industrial area standard may use engineering or institutional controls as part of the response action. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 05/15/2008
Date Data Arrived at EDR: 05/16/2008
Date Made Active in Reports: 06/12/2008
Number of Days to Update: 27

Source: Department of Environmental Protection
Telephone: 717-783-9470
Last EDR Contact: 10/15/2019
Next Scheduled EDR Contact: 01/27/2020
Data Release Frequency: No Update Planned

State and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Program Sites

The VCP listings included Completed Sites, Sites in Progress and Act 2 Non-Use Aquifer Determinations Sites. Formerly known as the Act 2, the Land Recycling Program encourages the voluntary cleanup and reuse of contaminated commercial and industrial sites.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/09/2019
Date Data Arrived at EDR: 07/09/2019
Date Made Active in Reports: 09/11/2019
Number of Days to Update: 64

Source: Department of Environmental Protection
Telephone: 717-783-2388
Last EDR Contact: 10/08/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Quarterly

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 09/19/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Sites

Brownfields are generally defined as abandoned or underused industrial or commercial properties where redevelopment is complicated by actual or perceived environmental contamination. Brownfields vary in size, location, age and past use. They can range from a small, abandoned corner gas station to a large, multi-acre former manufacturing plant that has been closed for years.

Date of Government Version: 04/30/2019
Date Data Arrived at EDR: 05/01/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 57

Source: Department of Environmental Protection
Telephone: 717-783-1566
Last EDR Contact: 10/29/2019
Next Scheduled EDR Contact: 01/26/2020
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/03/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/19/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HIST LF INVENTORY: Facility Inventory

A listing of solid waste facilities. This listing is no longer updated or maintained by the Department of Environmental Protection. At the time the listing was available, the DEP's name was the Department of Environmental Resources.

Date of Government Version: 06/02/1999	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/12/2005	Telephone: 717-787-7381
Date Made Active in Reports: 08/11/2005	Last EDR Contact: 09/19/2005
Number of Days to Update: 30	Next Scheduled EDR Contact: 12/19/2005
	Data Release Frequency: No Update Planned

HIST LF INACTIVE: Inactive Facilities List

A listing of inactive non-hazardous facilities (10000 & 300000 series). This listing is no longer updated or maintained by the Department of Environmental Protection. At the time the listing was available, the DEP's name was the Department of Environmental Resources.

Date of Government Version: 12/20/1994	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/12/2005	Telephone: 717-787-7381
Date Made Active in Reports: 08/11/2005	Last EDR Contact: 06/21/2005
Number of Days to Update: 30	Next Scheduled EDR Contact: 12/19/2005
	Data Release Frequency: No Update Planned

HIST LF ALL: Abandoned Landfill Inventory

The report provides facility information recorded in the Pennsylvania Department of Environmental Protection ALLI database. Some of this information has been abstracted from old records and may not accurately reflect the current conditions and status at these facilities

Date of Government Version: 01/04/2005	Source: Department of Environmental Protection
Date Data Arrived at EDR: 01/04/2005	Telephone: 717-787-7564
Date Made Active in Reports: 02/04/2005	Last EDR Contact: 11/26/2012
Number of Days to Update: 31	Next Scheduled EDR Contact: 03/11/2013
	Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 10/28/2019
Number of Days to Update: 52	Next Scheduled EDR Contact: 02/10/2020
	Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009	Source: EPA, Region 9
Date Data Arrived at EDR: 05/07/2009	Telephone: 415-947-4219
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 10/17/2019
Number of Days to Update: 137	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014	Source: Department of Health & Human Services, Indian Health Service
Date Data Arrived at EDR: 08/06/2014	Telephone: 301-443-1452
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 08/02/2019
Number of Days to Update: 176	Next Scheduled EDR Contact: 11/11/2019
	Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 06/11/2019	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 06/13/2019	Telephone: 202-307-1000
Date Made Active in Reports: 09/03/2019	Last EDR Contact: 08/21/2019
Number of Days to Update: 82	Next Scheduled EDR Contact: 12/09/2019
	Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 06/11/2019	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 06/13/2019	Telephone: 202-307-1000
Date Made Active in Reports: 09/03/2019	Last EDR Contact: 08/21/2019
Number of Days to Update: 82	Next Scheduled EDR Contact: 12/09/2019
	Data Release Frequency: Quarterly

PFAS: Sites With Known PFAS Contamination

Perfluoroalkyl and polyfluoroalkyl substances (PFAS) are man-made chemicals, are resistant to heat, water and oil, and persist in the environment and the human body. PFAS are not found naturally in the environment. They have been used to make cookware, carpets, clothing, fabrics for furniture, paper packaging for food, and other materials that are resistant to water, grease, or stains. They are also used in firefighting foams and in a number of industrial processes.

Date of Government Version: 05/09/2019	Source: Department of Environmental Protection
Date Data Arrived at EDR: 06/19/2019	Telephone: 717-787-4728
Date Made Active in Reports: 07/05/2019	Last EDR Contact: 09/12/2019
Number of Days to Update: 16	Next Scheduled EDR Contact: 12/30/2019
	Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

ARCHIVE UST: Archived Underground Storage Tank Sites

The list includes tanks storing highly hazardous substances that were removed from the DEP's Storage Tank Information database because of the Department's policy on sensitive information. The list also may include tanks that are removed or permanently closed.

Date of Government Version: 06/04/2019	Source: Department of Environmental Protection
Date Data Arrived at EDR: 06/12/2019	Telephone: 717-772-5599
Date Made Active in Reports: 06/17/2019	Last EDR Contact: 09/10/2019
Number of Days to Update: 5	Next Scheduled EDR Contact: 12/23/2019
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ARCHIVE AST: Archived Aboveground Storage Tank Sites

The list includes aboveground tanks with a capacity greater than 21,000 gallons that were removed from the DEP's Storage Tank Information database because of the Department's policy on sensitive information. The list also may include tanks that are removed or permanently closed.

Date of Government Version: 06/04/2019	Source: Department of Environmental Protection
Date Data Arrived at EDR: 06/12/2019	Telephone: 717-772-5599
Date Made Active in Reports: 06/17/2019	Last EDR Contact: 09/10/2019
Number of Days to Update: 5	Next Scheduled EDR Contact: 12/23/2019
	Data Release Frequency: Varies

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 07/30/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/30/2019	Telephone: 202-564-6023
Date Made Active in Reports: 09/03/2019	Last EDR Contact: 10/02/2019
Number of Days to Update: 35	Next Scheduled EDR Contact: 01/13/2020
	Data Release Frequency: Semi-Annually

ACT 2-DEED: Act 2-Deed Acknowledgment Sites

This listing pertains to sites where the Department has approved a cleanup requiring a deed acknowledgment under Act 2. This list includes sites remediated to a non-residential Statewide health standard (Section 303(g)); all sites demonstrating attainment of a Site-specific standard (Section 304(m)); and sites being remediated as a special industrial area (Section 305(g)). Persons who remediated a site to a standard that requires a deed acknowledgment shall comply with the requirements of the Solid Waste Management Act or the Hazardous Sites Cleanup Act, as referenced in Act 2. These statutes require a property description section in the deed concerning the hazardous substance disposal on the site. The location of disposed hazardous substances and a description of the type of hazardous substances disposed on the site shall be included in the deed acknowledgment. A deed acknowledgment is required at the time of conveyance of the property.

Date of Government Version: 04/23/2010	Source: Department of Environmental Protection
Date Data Arrived at EDR: 04/28/2010	Telephone: 717-783-9470
Date Made Active in Reports: 04/30/2010	Last EDR Contact: 07/22/2011
Number of Days to Update: 2	Next Scheduled EDR Contact: 11/07/2011
	Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/24/2019	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 06/26/2019	Telephone: 202-366-4555
Date Made Active in Reports: 09/23/2019	Last EDR Contact: 09/24/2019
Number of Days to Update: 89	Next Scheduled EDR Contact: 01/06/2020
	Data Release Frequency: Quarterly

SPILLS: State spills

A listing of hazardous material incidents.

Date of Government Version: 07/15/2019	Source: DEP, Emergency Response
Date Data Arrived at EDR: 07/23/2019	Telephone: 717-787-5715
Date Made Active in Reports: 09/10/2019	Last EDR Contact: 10/21/2019
Number of Days to Update: 49	Next Scheduled EDR Contact: 01/20/2020
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 06/24/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/26/2019	Telephone: 800-438-2474
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 10/28/2019
Number of Days to Update: 113	Next Scheduled EDR Contact: 01/06/2020
	Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 05/15/2019	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 05/21/2019	Telephone: 202-528-4285
Date Made Active in Reports: 08/08/2019	Last EDR Contact: 08/23/2019
Number of Days to Update: 79	Next Scheduled EDR Contact: 12/02/2019
	Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 10/11/2019
Number of Days to Update: 62	Next Scheduled EDR Contact: 01/20/2020
	Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 10/07/2019
Number of Days to Update: 339	Next Scheduled EDR Contact: 01/20/2020
	Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/03/2017	Telephone: 615-532-8599
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 08/16/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/25/2019
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 06/24/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/26/2019	Telephone: 202-566-1917
Date Made Active in Reports: 09/23/2019	Last EDR Contact: 09/24/2019
Number of Days to Update: 89	Next Scheduled EDR Contact: 01/06/2020
	Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2014	Telephone: 617-520-3000
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 10/31/2019
Number of Days to Update: 88	Next Scheduled EDR Contact: 02/17/2020
	Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/08/2018	Telephone: 703-308-4044
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 08/09/2019
Number of Days to Update: 73	Next Scheduled EDR Contact: 11/18/2019
	Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016	Source: EPA
Date Data Arrived at EDR: 06/21/2017	Telephone: 202-260-5521
Date Made Active in Reports: 01/05/2018	Last EDR Contact: 09/19/2019
Number of Days to Update: 198	Next Scheduled EDR Contact: 12/30/2019
	Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2016	Source: EPA
Date Data Arrived at EDR: 01/10/2018	Telephone: 202-566-0250
Date Made Active in Reports: 01/12/2018	Last EDR Contact: 08/23/2019
Number of Days to Update: 2	Next Scheduled EDR Contact: 12/02/2019
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 09/30/2018	Source: EPA
Date Data Arrived at EDR: 04/24/2019	Telephone: 202-564-4203
Date Made Active in Reports: 08/08/2019	Last EDR Contact: 10/23/2019
Number of Days to Update: 106	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 07/19/2019	Source: EPA
Date Data Arrived at EDR: 07/30/2019	Telephone: 703-416-0223
Date Made Active in Reports: 09/03/2019	Last EDR Contact: 10/02/2019
Number of Days to Update: 35	Next Scheduled EDR Contact: 12/16/2019
	Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/25/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/02/2019	Telephone: 202-564-8600
Date Made Active in Reports: 05/23/2019	Last EDR Contact: 10/21/2019
Number of Days to Update: 21	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 08/20/2019	Source: EPA
Date Data Arrived at EDR: 09/05/2019	Telephone: 202-564-6023
Date Made Active in Reports: 09/23/2019	Last EDR Contact: 10/02/2019
Number of Days to Update: 18	Next Scheduled EDR Contact: 11/18/2019
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 03/20/2019	Source: EPA
Date Data Arrived at EDR: 04/10/2019	Telephone: 202-566-0500
Date Made Active in Reports: 05/14/2019	Last EDR Contact: 10/11/2019
Number of Days to Update: 34	Next Scheduled EDR Contact: 01/20/2020
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 10/07/2019
Number of Days to Update: 79	Next Scheduled EDR Contact: 01/20/2020
	Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 06/20/2019	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 06/20/2019	Telephone: 301-415-7169
Date Made Active in Reports: 08/08/2019	Last EDR Contact: 10/25/2019
Number of Days to Update: 49	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 09/06/2019
Number of Days to Update: 76	Next Scheduled EDR Contact: 12/16/2019
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2014	Telephone: N/A
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 09/03/2019
Number of Days to Update: 40	Next Scheduled EDR Contact: 12/16/2019
	Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 05/24/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/30/2017	Telephone: 202-566-0517
Date Made Active in Reports: 12/15/2017	Last EDR Contact: 08/09/2019
Number of Days to Update: 15	Next Scheduled EDR Contact: 11/04/2019
	Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2019	Telephone: 202-343-9775
Date Made Active in Reports: 09/23/2019	Last EDR Contact: 10/15/2019
Number of Days to Update: 84	Next Scheduled EDR Contact: 01/13/2020
	Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/31/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 85

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 10/29/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/30/2019
Date Data Arrived at EDR: 07/16/2019
Date Made Active in Reports: 10/02/2019
Number of Days to Update: 78

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/06/2019
Next Scheduled EDR Contact: 01/19/2020
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 07/30/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 06/23/2017
Date Data Arrived at EDR: 10/11/2017
Date Made Active in Reports: 11/03/2017
Number of Days to Update: 23

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 07/19/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/30/2019	Telephone: 703-603-8787
Date Made Active in Reports: 09/03/2019	Last EDR Contact: 10/02/2019
Number of Days to Update: 35	Next Scheduled EDR Contact: 01/13/2020
	Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001	Source: American Journal of Public Health
Date Data Arrived at EDR: 10/27/2010	Telephone: 703-305-6451
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 12/02/2009
Number of Days to Update: 36	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016	Source: EPA
Date Data Arrived at EDR: 10/26/2016	Telephone: 202-564-2496
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 09/26/2017
Number of Days to Update: 100	Next Scheduled EDR Contact: 01/08/2018
	Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016	Source: EPA
Date Data Arrived at EDR: 10/26/2016	Telephone: 202-564-2496
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 09/26/2017
Number of Days to Update: 100	Next Scheduled EDR Contact: 01/08/2018
	Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 06/06/2019	Source: DOL, Mine Safety & Health Admi
Date Data Arrived at EDR: 06/06/2019	Telephone: 202-693-9424
Date Made Active in Reports: 10/24/2019	Last EDR Contact: 09/12/2019
Number of Days to Update: 140	Next Scheduled EDR Contact: 12/16/2019
	Data Release Frequency: Quarterly

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 05/03/2019	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 05/29/2019	Telephone: 303-231-5959
Date Made Active in Reports: 08/08/2019	Last EDR Contact: 08/27/2019
Number of Days to Update: 71	Next Scheduled EDR Contact: 12/09/2019
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005	Source: USGS
Date Data Arrived at EDR: 02/29/2008	Telephone: 703-648-7709
Date Made Active in Reports: 04/18/2008	Last EDR Contact: 08/30/2019
Number of Days to Update: 49	Next Scheduled EDR Contact: 12/09/2019
	Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011	Source: USGS
Date Data Arrived at EDR: 06/08/2011	Telephone: 703-648-7709
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 08/30/2019
Number of Days to Update: 97	Next Scheduled EDR Contact: 12/09/2019
	Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 09/10/2019	Source: Department of Interior
Date Data Arrived at EDR: 09/10/2019	Telephone: 202-208-2609
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 09/10/2019
Number of Days to Update: 37	Next Scheduled EDR Contact: 12/23/2019
	Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 05/03/2019	Source: EPA
Date Data Arrived at EDR: 06/05/2019	Telephone: (215) 814-5000
Date Made Active in Reports: 09/03/2019	Last EDR Contact: 09/04/2019
Number of Days to Update: 90	Next Scheduled EDR Contact: 12/16/2019
	Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 07/06/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/09/2019	Telephone: 202-564-2280
Date Made Active in Reports: 10/02/2019	Last EDR Contact: 10/08/2019
Number of Days to Update: 85	Next Scheduled EDR Contact: 01/20/2020
	Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 01/17/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 74

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 10/10/2019
Next Scheduled EDR Contact: 01/27/2020
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 05/20/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 79

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Quarterly

AIRS: Permit and Emissions Inventory Data

Permit and emissions inventory data.

Date of Government Version: 06/13/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 06/18/2019
Number of Days to Update: 5

Source: Department of Environmental Protection
Telephone: 717-787-9702
Last EDR Contact: 09/18/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: Annually

ASBESTOS: Asbestos Notification Listing

Asbestos sites

Date of Government Version: 11/30/2018
Date Data Arrived at EDR: 12/06/2018
Date Made Active in Reports: 01/02/2019
Number of Days to Update: 27

Source: Department of Labor & Industry
Telephone: 717-703-1092
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Varies

DRYCLEANERS: Drycleaner Facility Locations

A listing of drycleaner facility locations.

Date of Government Version: 06/13/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 06/18/2019
Number of Days to Update: 5

Source: Department of Environmental Protection
Telephone: 717-787-9702
Last EDR Contact: 09/18/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 10/09/2019
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MINES: Abandoned Mine Land Inventory

This data set portrays the approximate location of Abandoned Mine Land Problem Areas containing public health, safety, and public welfare problems created by past coal mining.

Date of Government Version: 07/02/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 43

Source: PASDA
Telephone: 814-863-0104
Last EDR Contact: 10/23/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Semi-Annually

NPDES: NPDES Permit Listing

A listing of facilities with an NPDES permit.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/05/2019
Date Made Active in Reports: 06/18/2019
Number of Days to Update: 13

Source: Department of Environmental Protection
Telephone: 717-787-9642
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Varies

UIC: Underground Injection Wells

A listing of underground injection well locations.

Date of Government Version: 06/18/2019
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 08/29/2019
Number of Days to Update: 71

Source: Department of Environmental Protection
Telephone: 717-783-7209
Last EDR Contact: 09/18/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: Quarterly

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 08/30/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department Environmental Protection in Pennsylvania.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: Department Environmental Protection
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department Environmental Protection in Pennsylvania.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/10/2014
Number of Days to Update: 193

Source: Department Environmental Protection
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department Environmental Protection in Pennsylvania.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: Department Environmental Protection
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 05/14/2019	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 05/14/2019	Telephone: 860-424-3375
Date Made Active in Reports: 08/05/2019	Last EDR Contact: 08/07/2019
Number of Days to Update: 83	Next Scheduled EDR Contact: 11/25/2019
	Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018	Source: Department of Environmental Protection
Date Data Arrived at EDR: 04/10/2019	Telephone: N/A
Date Made Active in Reports: 05/16/2019	Last EDR Contact: 10/02/2019
Number of Days to Update: 36	Next Scheduled EDR Contact: 01/20/2020
	Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 05/01/2019	Telephone: 518-402-8651
Date Made Active in Reports: 06/21/2019	Last EDR Contact: 10/29/2019
Number of Days to Update: 51	Next Scheduled EDR Contact: 02/10/2020
	Data Release Frequency: Quarterly

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2017	Source: Department of Environmental Management
Date Data Arrived at EDR: 02/23/2018	Telephone: 401-222-2797
Date Made Active in Reports: 04/09/2018	Last EDR Contact: 08/16/2019
Number of Days to Update: 45	Next Scheduled EDR Contact: 12/02/2019
	Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data

Hazardous waste manifest information.

Date of Government Version: 07/15/2019	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 07/16/2019	Telephone: 802-241-3443
Date Made Active in Reports: 10/04/2019	Last EDR Contact: 10/10/2019
Number of Days to Update: 80	Next Scheduled EDR Contact: 01/27/2020
	Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018	Source: Department of Natural Resources
Date Data Arrived at EDR: 06/19/2019	Telephone: N/A
Date Made Active in Reports: 09/03/2019	Last EDR Contact: 09/06/2019
Number of Days to Update: 76	Next Scheduled EDR Contact: 12/23/2019
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Child Care Facility List

Source: Department of Public Welfare

Telephone: 717-783-3856

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory

Source: Pennsylvania Spatial Data Access

Telephone: 610-344-6105

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK® - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

FRANCIS MYERS RECREATION CENTER
5800 CHESTER AVE
PHILADELPHIA, PA 19143

TARGET PROPERTY COORDINATES

Latitude (North): 39.934532 - 39° 56' 4.32"
Longitude (West): 75.22886 - 75° 13' 43.90"
Universal Transverse Mercator: Zone 18
UTM X (Meters): 480445.4
UTM Y (Meters): 4420306.0
Elevation: 77 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 5947577 PHILADELPHIA, PA
Version Date: 2013

West Map: 5947571 LANSDOWNE, PA
Version Date: 2013

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

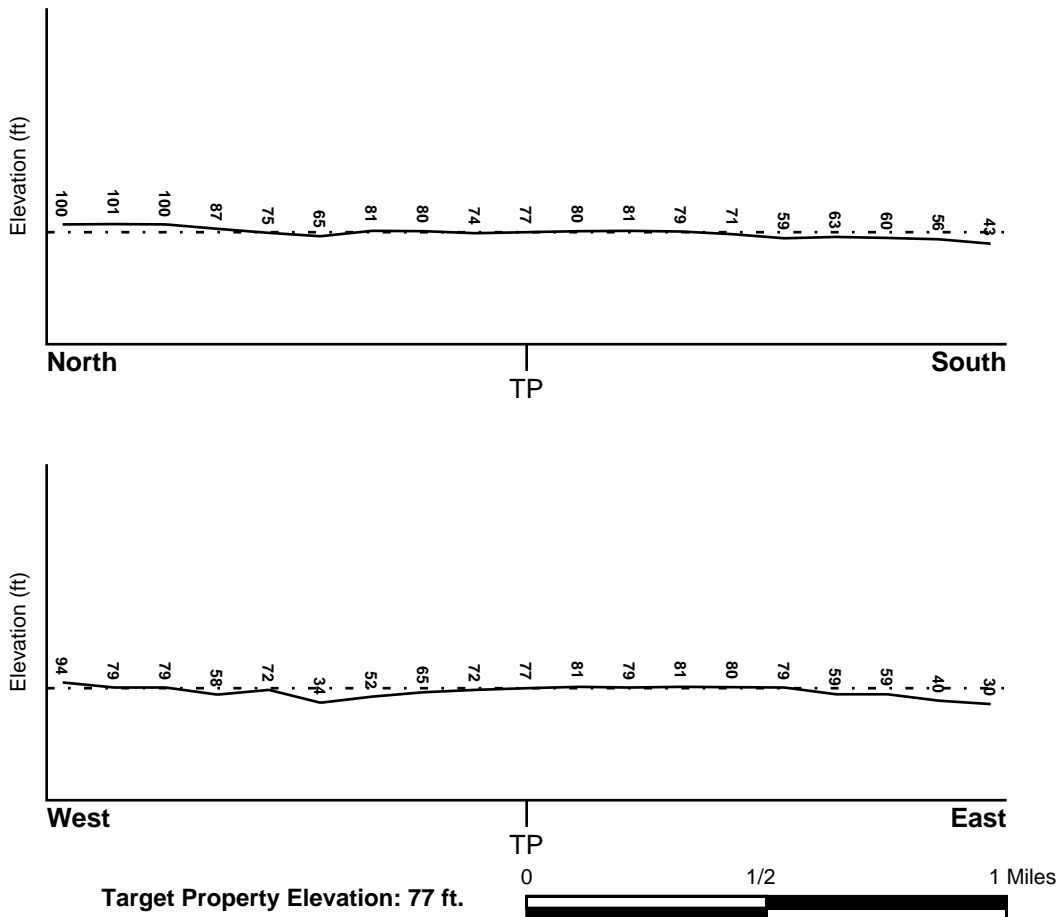
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General West

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
42045C0136F	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
42045C0128F	FEMA FIRM Flood data
4207570179G	FEMA FIRM Flood data
4207570187H	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
PHILADELPHIA	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
38	1/2 - 1 Mile NE	SW
1G	1/2 - 1 Mile NE	SW

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

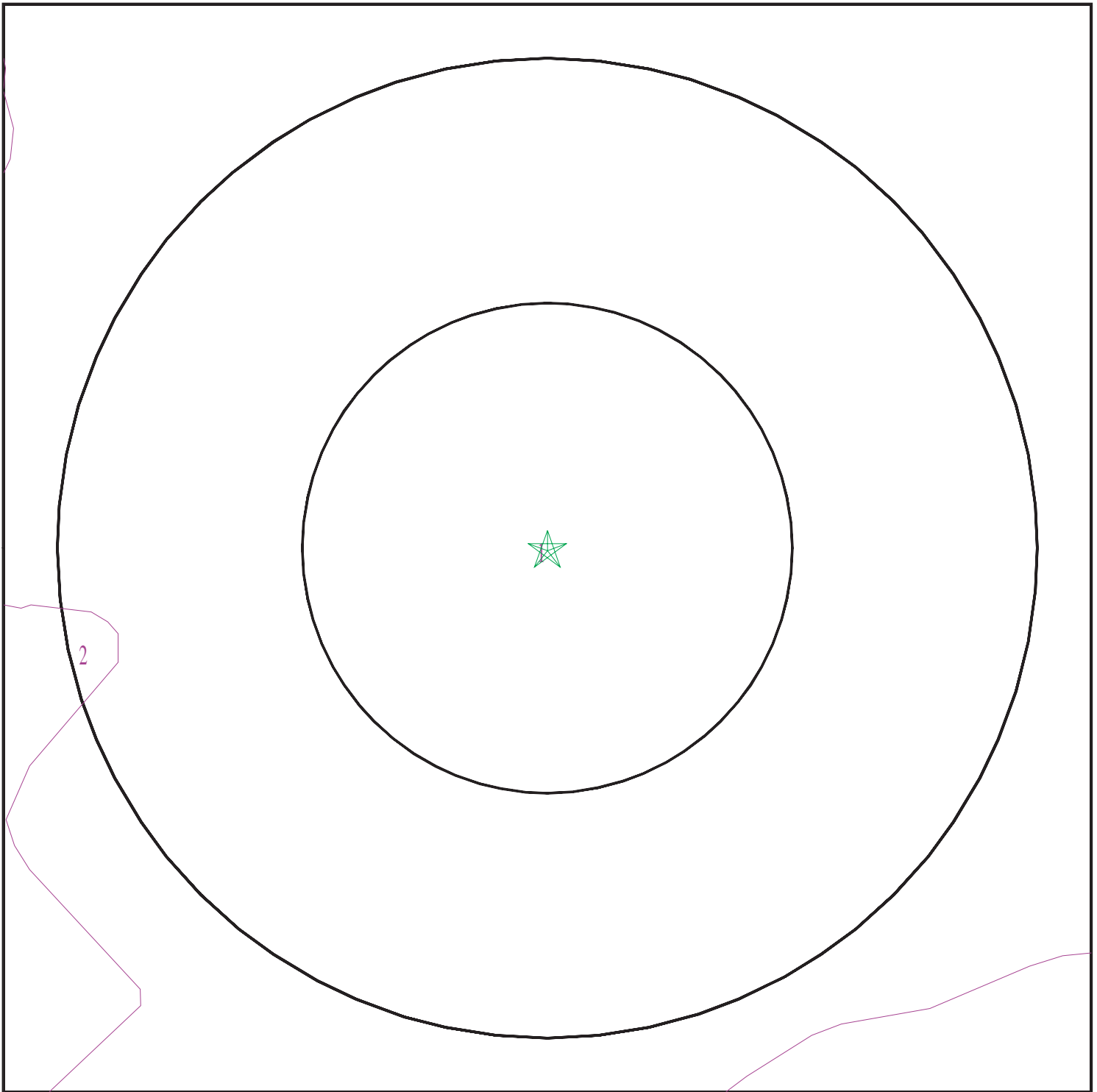
Era:	Paleozoic
System:	Cambrian
Series:	Cambrian
Code:	Ce (<i>decoded above as Era, System & Series</i>)

GEOLOGIC AGE IDENTIFICATION

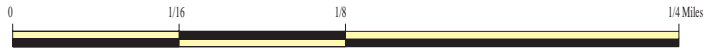
Category: Eugeosynclinal Deposits

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 5854001.2s



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: Francis Myers Recreation Center
ADDRESS: 5800 Chester Ave
Philadelphia PA 19143
LAT/LONG: 39.934532 / 75.22886

CLIENT: Duffield Associates, Inc.
CONTACT: Matthew Staunton
INQUIRY #: 5854001.2s
DATE: November 01, 2019 3:36 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Urban land

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class:
Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	variable	Not reported	Not reported	Max: Min:	Max: Min:

Soil Map ID: 2

Soil Component Name: Urban land

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class:
Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 91 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	variable	Not reported	Not reported	Max: Min:	Max: Min:

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	USGS40001002153	1/2 - 1 Mile SW
B4	USGS40001002154	1/2 - 1 Mile WSW
I36	USGS40001002699	1/2 - 1 Mile NNW
H37	USGS40001002741	1/2 - 1 Mile North
G43	USGS40001002330	1/2 - 1 Mile East
K45	USGS40001002343	1/2 - 1 Mile East
M54	USGS40001001905	1/2 - 1 Mile SSE
O62	USGS40001002141	1/2 - 1 Mile WSW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

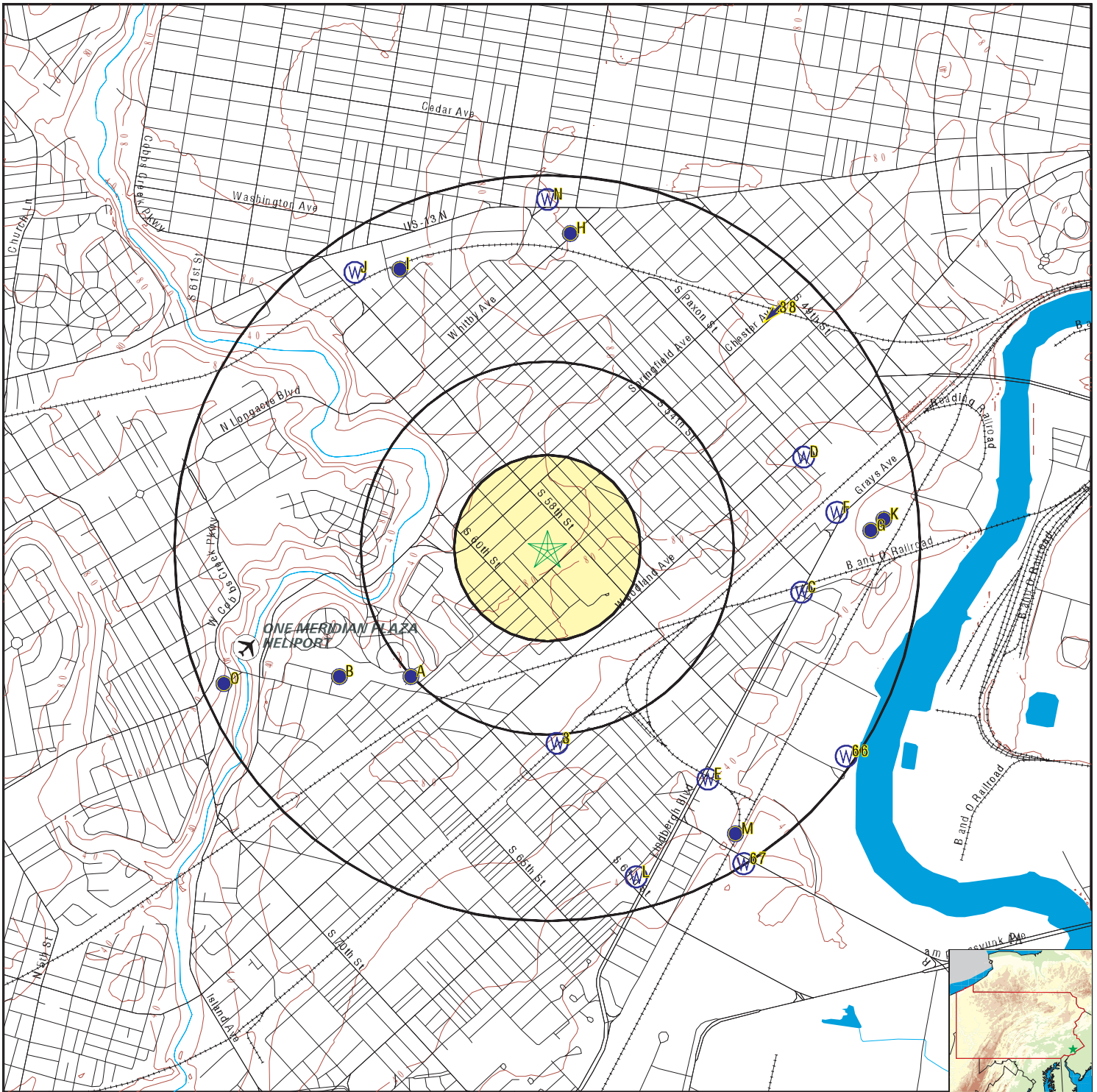
MAP ID	WELL ID	LOCATION FROM TP
A2	PASI60000029880	1/2 - 1 Mile SW
3	PASI60000421708	1/2 - 1 Mile South
B5	PASI60000030448	1/2 - 1 Mile WSW
C6	PASI60000397019	1/2 - 1 Mile East
C7	PASI60000397020	1/2 - 1 Mile East
C8	PASI60000396861	1/2 - 1 Mile East
C9	PASI60000397021	1/2 - 1 Mile East
C10	PASI60000397326	1/2 - 1 Mile East
C11	PASI60000397323	1/2 - 1 Mile East
C12	PASI60000396862	1/2 - 1 Mile East
C13	PASI60000397322	1/2 - 1 Mile East
C14	PASI60000397324	1/2 - 1 Mile East
C15	PASI60000397327	1/2 - 1 Mile East
C16	PASI60000397325	1/2 - 1 Mile East
C17	PASI60000397018	1/2 - 1 Mile East
D18	PASI60000417738	1/2 - 1 Mile ENE
D19	PASI60000417700	1/2 - 1 Mile ENE
E20	PASI60000407116	1/2 - 1 Mile SSE
D21	PASI60000417734	1/2 - 1 Mile ENE
D22	PASI60000417724	1/2 - 1 Mile ENE
D23	PASI60000417726	1/2 - 1 Mile ENE
E24	PASI60000407117	1/2 - 1 Mile SE
E25	PASI60000406432	1/2 - 1 Mile SE
F26	PASI60000383906	1/2 - 1 Mile East
E27	PASI60000407118	1/2 - 1 Mile SE
E28	PASI60000406544	1/2 - 1 Mile SE
F29	PASI60000384562	1/2 - 1 Mile East
E30	PASI60000406467	1/2 - 1 Mile SE
F31	PASI60000384565	1/2 - 1 Mile East
F32	PASI60000384560	1/2 - 1 Mile East
G33	PASI60000384564	1/2 - 1 Mile East
H34	PASI60000029945	1/2 - 1 Mile North
I35	PASI60000029940	1/2 - 1 Mile NNW
J39	PASI60000420258	1/2 - 1 Mile NW
J40	PASI60000420257	1/2 - 1 Mile NW
J41	PASI60000420259	1/2 - 1 Mile NW
G42	PASI60000029894	1/2 - 1 Mile East
K44	PASI60000029896	1/2 - 1 Mile East
J46	PASI60000420260	1/2 - 1 Mile NW
J47	PASI60000420344	1/2 - 1 Mile NW
L48	PASI60000379474	1/2 - 1 Mile SSE
L49	PASI60000379473	1/2 - 1 Mile SSE
L50	PASI60000379472	1/2 - 1 Mile SSE
L51	PASI60000379486	1/2 - 1 Mile SSE
L52	PASI60000379485	1/2 - 1 Mile SSE
L53	PASI60000379475	1/2 - 1 Mile SSE
M55	PASI60000029853	1/2 - 1 Mile SSE
N56	PASI60000407218	1/2 - 1 Mile North
J57	PASI60000420261	1/2 - 1 Mile NW
N58	PASI60000407204	1/2 - 1 Mile North
N59	PASI60000407220	1/2 - 1 Mile North
N60	PASI60000407203	1/2 - 1 Mile North

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
N61	PASI60000407219	1/2 - 1 Mile North
N63	PASI60000407216	1/2 - 1 Mile North
N64	PASI60000407202	1/2 - 1 Mile North
O65	PASI60000018449	1/2 - 1 Mile WSW
66	PASI60000411659	1/2 - 1 Mile SE
67	PASI60000391645	1/2 - 1 Mile SSE

PHYSICAL SETTING SOURCE MAP - 5854001.2s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Oil, gas or related wells



SITE NAME: Francis Myers Recreation Center
 ADDRESS: 5800 Chester Ave
 Philadelphia PA 19143
 LAT/LONG: 39.934532 / 75.22886

CLIENT: Duffield Associates, Inc.
 CONTACT: Matthew Staunton
 INQUIRY #: 5854001.2s
 DATE: November 01, 2019 3:36 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

A1
SW
1/2 - 1 Mile
Lower

FED USGS USGS40001002153

Organization ID:	USGS-PA		
Organization Name:	USGS Pennsylvania Water Science Center		
Monitor Location:	PH 500	Type:	Well
Description:	Not Reported	HUC:	02040202
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Piedmont and Blue Ridge crystalline-rock aquifers		
Formation Type:	Wissahickon Formation, Oligoclase Mica Schist		
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	42	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels, Number of Measurements:	2	Level reading date:	1979-01-16
Feet below surface:	6.49	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1954-10-11	Feet below surface:	19.93
Feet to sea level:	Not Reported	Note:	Not Reported

A2
SW
1/2 - 1 Mile
Lower

PA WELLS PASI60000029880

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	29882	Local Well #:	PH 500
Aquifer:	WISSAHICKON FORMATION	Topography:	Hilltop
Well Depth:	42	Elevation:	80
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	Not Reported
Local Permit #:	Not Reported		

Owner ID:	29648	Ownership Date:	01-JAN-00
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Construction Date:	Not Reported	Driller:	1
Source of Construction Data:	OTHER/UNKNOWN/UNSPECIFIED	Construction Method:	Dug
How Finished:	Lined, Usually Stone or Tile		
Driller Well ID:	Not Reported	Reason Abandoned:	Not Reported
Construction Type:	Not Reported	Original Driller Name:	Not Reported

Discharge Type:	Not Reported	Data Source:	Not Reported
Discharge Measurement Method:	Not Reported	Discharge:	Not Reported
Static Water Level (ft):	6.49	Agency Providing Data:	Usgs Or Pags
WL Measurement Method:	STEEL TAPE	Production Water Level (ft):	Not Reported
Drawdown (ft):	Not Reported	Yield (gmp/ft):	Not Reported
Test Length (min):	Not Reported	SiteStatus at Test:	STATIC WATER LEVEL
Date Discharged:	16-JAN-79		

Lithology:	SCHIST	Contributing Unit:	Primary
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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Top of Interval:	Not Reported	Bottom of Interval:	Not Reported
Site Use:	UNUSED	Date of Use:	Not Reported
Water Use:	UNUSED	Notes:	Not Reported
Agency Site Use:	Inventory Data Site Only	Agency Use Date:	Not Reported

3
South
1/2 - 1 Mile
Lower

PA WELLS PASI60000421708

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	27	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	06-MAR-14
Local Permit #:	Not Reported		
Owner ID:	7485138	Ownership Date:	Not Reported
Discharge Type:	Not Reported	Data Source:	Not Reported
Discharge Measurement Method:	Not Reported	Discharge:	2.
Static Water Level (ft):	21.	Agency Providing Data:	Not Reported
WL Measurement Method:	Not Reported	Production Water Level (ft):	Not Reported
Drawdown (ft):	Not Reported	Yield (gmp/ft):	Not Reported
Test Length (min):	30.	SiteStatus at Test:	Not Reported
Date Discharged:	Not Reported		
Site Use:	WITHDRAWAL	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported

B4
WSW
1/2 - 1 Mile
Lower

FED USGS USGS40001002154

Organization ID:	USGS-PA		
Organization Name:	USGS Pennsylvania Water Science Center		
Monitor Location:	PH 499	Type:	Well
Description:	Not Reported	HUC:	02040202
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Piedmont and Blue Ridge crystalline-rock aquifers		
Formation Type:	Wissahickon Formation, Oligoclase Mica Schist		
Aquifer Type:	Not Reported	Construction Date:	19520617
Well Depth:	103	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground water levels, Number of Measurements:	1	Level reading date:	1952-06-17
Feet below surface:	12.00	Feet to sea level:	Not Reported
Note:	Not Reported		

**B5
WSW
1/2 - 1 Mile
Lower**

PA WELLS PASI60000030448

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	30450	Local Well #:	PH 499
Aquifer:	WISSAHICKON FORMATION	Topography:	Hillside
Well Depth:	103	Elevation:	70
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	17-JUN-52
Local Permit #:	Not Reported		
Owner ID:	30275	Ownership Date:	17-JUN-52
Construction Date:	17-JUN-52	Driller:	0249
Source of Construction Data:	DRILLERS RECORD	Construction Method:	Cable Tool
How Finished:	Unsupported (Uncased) Borehole	Reason Abandoned:	Not Reported
Driller Well ID:	Not Reported	Original Driller Name:	Not Reported
Construction Type:	Not Reported		
Discharge Type:	Pumped	Data Source:	DRILLERS RECORD
Discharge Measurement Method:	Reported, Method not known	Static Water Level (ft):	12.
Discharge:	7.	WL Measurement Method:	REPORTED, METHOD NOT KNOWN
Agency Providing Data:	Drillers Record	Drawdown (ft):	Not Reported
Production Water Level (ft):	Not Reported	Test Length (min):	Not Reported
Yield (gmp/ft):	Not Reported	Date Discharged:	17-JUN-52
SiteStatus at Test:	Not Reported		
Lithology:	SCHIST	Contiubting Unit:	Primary
Top of Interval:	Not Reported	Bottom of Interval:	Not Reported
Site Use:	DESTROYED	Date of Use:	Not Reported
Water Use:	UNUSED	Notes:	Not Reported
Agency Site Use:	Inventory Data Site Only	Agency Use Date:	Not Reported

**C6
East
1/2 - 1 Mile
Lower**

PA WELLS PASI600000397019

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	45	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	30-AUG-11

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local Permit #: Not Reported

Owner ID: 7446737 Ownership Date: Not Reported

Site Use: K Date of Use: Not Reported
 Water Use: Not Reported Notes: Not Reported

Comments: Tremied Grout, Restore Surface To Match Existing.

C7
East
1/2 - 1 Mile
Lower

PA WELLS PASI60000397020

Database: Pennsylvania Groundwater Information System
 GWIS ID: 0 Local Well #: Not Reported
 Aquifer: Not Reported Topography: Not Reported
 Well Depth: 55 Elevation: 0
 Site Type: W Depth to Bedrock: 0
 Saltwater Zone: 0 Date Drilled: 30-AUG-11
 Local Permit #: Not Reported

Owner ID: 7467833 Ownership Date: Not Reported

Site Use: K Date of Use: Not Reported
 Water Use: Not Reported Notes: Not Reported

Comments: Tremied Grout, Restore Surface To Match Existing.

C8
East
1/2 - 1 Mile
Lower

PA WELLS PASI60000396861

Database: Pennsylvania Groundwater Information System
 GWIS ID: 0 Local Well #: Not Reported
 Aquifer: Not Reported Topography: Not Reported
 Well Depth: 28 Elevation: 0
 Site Type: W Depth to Bedrock: 0
 Saltwater Zone: 0 Date Drilled: 30-AUG-11
 Local Permit #: Not Reported

Owner ID: 7448682 Ownership Date: Not Reported

Site Use: K Date of Use: Not Reported
 Water Use: Not Reported Notes: Not Reported

Comments: Tremied Grout, Restore Surface To Match Existing.

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

C9
East
1/2 - 1 Mile
Lower

PA WELLS PASI60000397021

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	35	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	30-AUG-11
Local Permit #:	Not Reported		

Owner ID:	7459890	Ownership Date:	Not Reported
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Site Use:	K	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported

Comments: Tremied Grout, Restore Surface To Match Existing.

C10
East
1/2 - 1 Mile
Lower

PA WELLS PASI60000397326

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	28	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	30-AUG-11
Local Permit #:	Not Reported		

Owner ID:	7454289	Ownership Date:	Not Reported
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Site Use:	K	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported

Comments: Tremied Grout, Restore Surface To Match Existing.

C11
East
1/2 - 1 Mile
Lower

PA WELLS PASI60000397323

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	28	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	30-AUG-11
Local Permit #:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Owner ID:	7454845	Ownership Date:	Not Reported
Site Use:	K	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported
Comments:	Tremied Grout, Restore Surface To Match Existing.		

C12
East
1/2 - 1 Mile
Lower

PA WELLS PASI60000396862

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	28	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	30-AUG-11
Local Permit #:	Not Reported		
Owner ID:	7462381	Ownership Date:	Not Reported
Site Use:	K	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported
Comments:	Tremied Grout, Restore Surface To Match Existing.		

C13
East
1/2 - 1 Mile
Lower

PA WELLS PASI60000397322

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	28	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	30-AUG-11
Local Permit #:	Not Reported		
Owner ID:	7446802	Ownership Date:	Not Reported
Site Use:	K	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported
Comments:	Tremied Grout, Restore Surface To Match Existing.		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

C14
East
1/2 - 1 Mile
Lower

PA WELLS PASI60000397324

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	28	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	30-AUG-11
Local Permit #:	Not Reported		

Owner ID:	7460877	Ownership Date:	Not Reported
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Site Use:	K	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported

Comments: Tremied Grout, Restore Surface To Match Existing.

C15
East
1/2 - 1 Mile
Lower

PA WELLS PASI60000397327

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	36	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	30-AUG-11
Local Permit #:	Not Reported		

Owner ID:	7450649	Ownership Date:	Not Reported
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Site Use:	K	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported

Comments: Tremied Grout, Restore Surface To Match Existing.

C16
East
1/2 - 1 Mile
Lower

PA WELLS PASI60000397325

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	28	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	30-AUG-11
Local Permit #:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments: Well Located Directly In Front Of Building, 5 Feet Off Of Sidewalk.

D19
ENE
1/2 - 1 Mile
Lower

PA WELLS PASI60000417700

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	23	Elevation:	0
Site Type:	W	Depth to Bedrock:	13
Saltwater Zone:	0	Date Drilled:	04-DEC-13
Local Permit #:	Not Reported		

Owner ID:	7481070	Ownership Date:	Not Reported
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Discharge Type:	Not Reported	Data Source:	Not Reported
Discharge Measurement Method:	Estimated	Discharge:	1.
Static Water Level (ft):	11.	Agency Providing Data:	Not Reported
WL Measurement Method:	Not Reported	Production Water Level (ft):	11.
Drawdown (ft):	Not Reported	Yield (gmp/ft):	Not Reported
Test Length (min):	Not Reported	SiteStatus at Test:	Not Reported
Date Discharged:	Not Reported		

Site Use:	TEST	Date of Use:	Not Reported
Water Use:	UNUSED	Notes:	Not Reported

Comments: Well Located North Of Service Island Next To Woodland Ave.

E20
SSE
1/2 - 1 Mile
Lower

PA WELLS PASI60000407116

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	25	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	13-SEP-10
Local Permit #:	Not Reported		

Owner ID:	7470523	Ownership Date:	Not Reported
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Site Use:	K	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported

Comments: Well Drilled And Installed Using Cme 75 With 4 1/4" Hsa

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

D21
ENE
1/2 - 1 Mile
Lower

PA WELLS PASI60000417734

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	23	Elevation:	0
Site Type:	W	Depth to Bedrock:	11
Saltwater Zone:	0	Date Drilled:	05-DEC-13
Local Permit #:	Not Reported		

Owner ID:	7481072	Ownership Date:	Not Reported
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Discharge Type:	Not Reported	Data Source:	Not Reported
Discharge Measurement Method:	Estimated	Discharge:	1.
Static Water Level (ft):	12.	Agency Providing Data:	Not Reported
WL Measurement Method:	Not Reported	Production Water Level (ft):	12.
Drawdown (ft):	Not Reported	Yield (gmp/ft):	Not Reported
Test Length (min):	Not Reported	SiteStatus at Test:	Not Reported
Date Discharged:	Not Reported		

Site Use:	UNUSED	Date of Use:	Not Reported
Water Use:	UNUSED	Notes:	Not Reported

Comments: Well Located Adjacent To Back Property Line 5 Feet Off Se Building Corner.

D22
ENE
1/2 - 1 Mile
Lower

PA WELLS PASI60000417724

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	23	Elevation:	0
Site Type:	W	Depth to Bedrock:	22
Saltwater Zone:	0	Date Drilled:	05-DEC-13
Local Permit #:	Not Reported		

Owner ID:	7481073	Ownership Date:	Not Reported
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Discharge Type:	Not Reported	Data Source:	Not Reported
Discharge Measurement Method:	Estimated	Discharge:	Not Reported
Static Water Level (ft):	12.	Agency Providing Data:	Not Reported
WL Measurement Method:	Not Reported	Production Water Level (ft):	12.
Drawdown (ft):	Not Reported	Yield (gmp/ft):	Not Reported
Test Length (min):	Not Reported	SiteStatus at Test:	Not Reported
Date Discharged:	Not Reported		

Site Use:	TEST	Date of Use:	Not Reported
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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Water Use: UNUSED Notes: Not Reported

Comments: Well Located 6 Feet South Of Cutout For Sign.

**D23
ENE
1/2 - 1 Mile
Lower**

PA WELLS PASI60000417726

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	24	Elevation:	0
Site Type:	W	Depth to Bedrock:	11
Saltwater Zone:	0	Date Drilled:	04-DEC-13
Local Permit #:	Not Reported		

Owner ID: 7481071 Ownership Date: Not Reported

Discharge Type:	Not Reported	Data Source:	Not Reported
Discharge Measurement Method:	Estimated	Discharge:	1.
Static Water Level (ft):	11.	Agency Providing Data:	Not Reported
WL Measurement Method:	Not Reported	Production Water Level (ft):	11.
Drawdown (ft):	Not Reported	Yield (gmp/ft):	Not Reported
Test Length (min):	Not Reported	SiteStatus at Test:	Not Reported
Date Discharged:	Not Reported		

Site Use: UNUSED Date of Use: Not Reported
 Water Use: UNUSED Notes: Not Reported

Comments: Well Located In The Se Corner Of The Site Adjacent To 52nd Street And 15 Feet From Back Property Line.

**E24
SE
1/2 - 1 Mile
Lower**

PA WELLS PASI60000407117

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	25	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	14-SEP-10
Local Permit #:	Not Reported		

Owner ID: 7470524 Ownership Date: Not Reported

Site Use: WITHDRAWAL Date of Use: Not Reported
 Water Use: Not Reported Notes: Not Reported

Comments: Well Drilled And Installed Using Cme 75 Using 4 1/4" Hsa

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

E25
SE
1/2 - 1 Mile
Lower

PA WELLS PASI60000406432

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	30	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	22-DEC-11
Local Permit #:	Not Reported		

Owner ID:	7469826	Ownership Date:	Not Reported
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Site Use:	K	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported

Comments: Well Drilled And Sampled Continuosly Using Hsa And Split Spoon Samplers To 30'

F26
East
1/2 - 1 Mile
Lower

PA WELLS PASI60000383906

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	31	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	01-APR-11
Local Permit #:	Not Reported		

Owner ID:	7444573	Ownership Date:	Not Reported
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Site Use:	K	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported

E27
SE
1/2 - 1 Mile
Lower

PA WELLS PASI60000407118

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	25	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	14-SEP-10
Local Permit #:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

E30
SE
1/2 - 1 Mile
Lower

PA WELLS PASI60000406467

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	30	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	22-OCT-11
Local Permit #:	Not Reported		

Owner ID:	7469827	Ownership Date:	Not Reported
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Site Use:	K	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported

Comments: Well Drilled And Sampled Continuous To 30' Using Hsa And Split Spoon Samplers

F31
East
1/2 - 1 Mile
Lower

PA WELLS PASI60000384565

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	33	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	01-APR-11
Local Permit #:	Not Reported		

Owner ID:	7454290	Ownership Date:	Not Reported
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Site Use:	K	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported

F32
East
1/2 - 1 Mile
Lower

PA WELLS PASI60000384560

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	40	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	01-APR-11
Local Permit #:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Owner ID:	7448681	Ownership Date:	Not Reported
Site Use:	K	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported

G33
East
1/2 - 1 Mile
Lower

PA WELLS PASI60000384564

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	26	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	01-APR-11
Local Permit #:	Not Reported		

Owner ID:	7444700	Ownership Date:	Not Reported
Site Use:	K	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported

H34
North
1/2 - 1 Mile
Higher

PA WELLS PASI60000029945

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	29947	Local Well #:	PH 496
Aquifer:	WISSAHICKON FORMATION	Topography:	Hillside
Well Depth:	114	Elevation:	100
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	Not Reported
Local Permit #:	Not Reported		

Owner ID:	29721	Ownership Date:	01-JAN-54
Construction Date:	Not Reported	Driller:	1
Source of Construction Data:	OTHER/UNKNOWN/UNSPECIFIED	Construction Method:	Cable Tool
How Finished:	Unsupported (Uncased) Borehole	Reason Abandoned:	Not Reported
Driller Well ID:	Not Reported	Original Driller Name:	Not Reported
Construction Type:	Not Reported		

Discharge Type:	Pumped	Data Source:	REPORTED
Discharge Measurement Method:	Reported, Method not known	Static Water Level (ft):	Not Reported
Discharge:	40.	WL Measurement Method:	Not Reported
Agency Providing Data:	Not Reported	Drawdown (ft):	Not Reported
Production Water Level (ft):	Not Reported	Test Length (min):	Not Reported
Yield (gmp/ft):	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

SiteStatus at Test:	Not Reported	Date Discharged:	Not Reported
Lithology:	SCHIST	Contiubting Unit:	Primary
Top of Interval:	Not Reported	Bottom of Interval:	Not Reported
Lithology:	UNKNOWN	Contiubting Unit:	Secondary
Top of Interval:	15.	Bottom of Interval:	Not Reported
Site Use:	DESTROYED	Date of Use:	Not Reported
Water Use:	UNUSED	Notes:	Not Reported
Agency Site Use:	Inventory Data Site Only	Agency Use Date:	Not Reported

**I35
NNW
1/2 - 1 Mile
Higher**

PA WELLS PASI60000029940

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	29942	Local Well #:	PH 497
Aquifer:	WISSAHICKON FORMATION	Topography:	Hillside
Well Depth:	300	Elevation:	90
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	01-JAN-11
Local Permit #:	Not Reported		
Owner ID:	29716	Ownership Date:	01-JAN-11
Construction Date:	01-JAN-11	Driller:	-389
Source of Construction Data:	DRILLERS RECORD	Construction Method:	Cable Tool
How Finished:	Unsupported (Uncased) Borehole	Reason Abandoned:	Not Reported
Driller Well ID:	Not Reported	Original Driller Name:	Not Reported
Construction Type:	Not Reported		
Discharge Type:	Not Reported	Data Source:	Not Reported
Discharge Measurement Method:	Not Reported	Discharge:	Not Reported
Static Water Level (ft):	28.	Agency Providing Data:	Drillers Record
WL Measurement Method:	REPORTED, METHOD NOT KNOWN	Drawdown (ft):	Not Reported
Production Water Level (ft):	Not Reported	Test Length (min):	Not Reported
Yield (gmp/ft):	Not Reported	Date Discharged:	01-JAN-41
SiteStatus at Test:	STATIC WATER LEVEL		
Discharge Type:	Pumped	Data Source:	DRILLERS RECORD
Discharge Measurement Method:	Reported, Method not known	Static Water Level (ft):	Not Reported
Discharge:	15.	WL Measurement Method:	Not Reported
Agency Providing Data:	Not Reported	Drawdown (ft):	Not Reported
Production Water Level (ft):	Not Reported	Test Length (min):	Not Reported
Yield (gmp/ft):	Not Reported	Date Discharged:	01-JAN-11
SiteStatus at Test:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lithology:	SCHIST	Contributing Unit:	Primary
Top of Interval:	Not Reported	Bottom of Interval:	Not Reported
Site Use:	DESTROYED	Date of Use:	Not Reported
Water Use:	UNUSED	Notes:	Not Reported
Agency Site Use:	Inventory Data Site Only	Agency Use Date:	Not Reported

**I36
NNW
1/2 - 1 Mile
Higher**

FED USGS USGS40001002699

Organization ID:	USGS-PA		
Organization Name:	USGS Pennsylvania Water Science Center		
Monitor Location:	PH 497	Type:	Well
Description:	Not Reported	HUC:	02040202
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Piedmont and Blue Ridge crystalline-rock aquifers		
Formation Type:	Wissahickon Formation, Oligoclase Mica Schist		
Aquifer Type:	Not Reported	Construction Date:	19110101
Well Depth:	300	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported
Ground water levels, Number of Measurements:	1	Level reading date:	1941-01-01
Feet below surface:	28.00	Feet to sea level:	Not Reported
Note:	Not Reported		

**H37
North
1/2 - 1 Mile
Higher**

FED USGS USGS40001002741

Organization ID:	USGS-PA		
Organization Name:	USGS Pennsylvania Water Science Center		
Monitor Location:	PH 496	Type:	Well
Description:	Not Reported	HUC:	02040202
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Piedmont and Blue Ridge crystalline-rock aquifers		
Formation Type:	Wissahickon Formation, Oligoclase Mica Schist		
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	114	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

**38
NE
1/2 - 1 Mile
Higher**

AQUIFLOW 46553

Site ID:	51-18473		
Groundwater Flow:	SW		
Shallowest Water Table Depth:	1.91		
Deepest Water Table Depth:	4.07		
Average Water Table Depth:	Not Reported		
Date:	09/1994		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

J39
NW
1/2 - 1 Mile
Higher

PA WELLS PASI60000420258

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	30	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	25-NOV-13
Local Permit #:	Not Reported		
Owner ID:	7483724	Ownership Date:	Not Reported
Site Use:	K	Date of Use:	Not Reported
Water Use:	OTHER	Notes:	Not Reported

J40
NW
1/2 - 1 Mile
Higher

PA WELLS PASI60000420257

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	30	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	25-NOV-13
Local Permit #:	Not Reported		
Owner ID:	7483619	Ownership Date:	Not Reported
Site Use:	K	Date of Use:	Not Reported
Water Use:	OTHER	Notes:	Not Reported

J41
NW
1/2 - 1 Mile
Higher

PA WELLS PASI60000420259

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	30	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	25-MAR-13
Local Permit #:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Owner ID:	7483620	Ownership Date:	Not Reported
Site Use:	K	Date of Use:	Not Reported
Water Use:	OTHER	Notes:	Not Reported

G42
East
1/2 - 1 Mile
Lower

PA WELLS PASI60000029894

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	29896	Local Well #:	PH 495
Aquifer:	WISSAHICKON FORMATION	Topography:	Hillside
Well Depth:	528	Elevation:	40
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	01-JAN-06
Local Permit #:	Not Reported		

Owner ID:	29664	Ownership Date:	01-JAN-06
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Construction Date:	01-JAN-06	Driller:	-204
Source of Construction Data:	DRILLERS RECORD	Construction Method:	Cable Tool
How Finished:	Unknown	Driller Well ID:	Not Reported
Reason Abandoned:	Not Reported	Construction Type:	Not Reported
Original Driller Name:	Not Reported		

Discharge Type:	Pumped	Data Source:	DRILLERS RECORD
Discharge Measurement Method:	Reported, Method not known		
Discharge:	50.	Static Water Level (ft):	Not Reported
Agency Providing Data:	Not Reported	WL Measurement Method:	Not Reported
Production Water Level (ft):	Not Reported	Drawdown (ft):	Not Reported
Yield (gmp/ft):	Not Reported	Test Length (min):	Not Reported
SiteStatus at Test:	Not Reported	Date Discharged:	01-JAN-06

Lithology:	SCHIST	Contributing Unit:	Primary
Top of Interval:	Not Reported	Bottom of Interval:	Not Reported

Site Use:	DESTROYED	Date of Use:	Not Reported
Water Use:	UNUSED	Notes:	Not Reported

Agency Site Use:	Inventory Data Site Only	Agency Use Date:	Not Reported
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G43
East
1/2 - 1 Mile
Lower

FED USGS USGS40001002330

Organization ID:	USGS-PA
Organization Name:	USGS Pennsylvania Water Science Center

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Monitor Location:	PH 495	Type:	Well
Description:	Not Reported	HUC:	02040203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Piedmont and Blue Ridge crystalline-rock aquifers		
Formation Type:	Wissahickon Formation, Oligoclase Mica Schist		
Aquifer Type:	Not Reported	Construction Date:	19060101
Well Depth:	528	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

**K44
East
1/2 - 1 Mile
Lower**

PA WELLS PASI60000029896

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	29898	Local Well #:	PH 494
Aquifer:	WISSAHICKON FORMATION	Topography:	Hillside
Well Depth:	200	Elevation:	40
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	01-JAN-02
Local Permit #:	Not Reported		
Owner ID:	29666	Ownership Date:	01-JAN-02
Construction Date:	01-JAN-02	Driller:	-204
Source of Construction Data:	DRILLERS RECORD	Construction Method:	Cable Tool
How Finished:	Unsupported (Uncased) Borehole	Reason Abandoned:	Not Reported
Driller Well ID:	Not Reported	Original Driller Name:	Not Reported
Construction Type:	Not Reported		
Discharge Type:	Pumped	Data Source:	DRILLERS RECORD
Discharge Measurement Method:	Reported, Method not known	Static Water Level (ft):	25.
Discharge:	40.	WL Measurement Method:	Not Reported
Agency Providing Data:	Drillers Record	Drawdown (ft):	Not Reported
Production Water Level (ft):	Not Reported	Test Length (min):	Not Reported
Yield (gmp/ft):	Not Reported	Date Discharged:	01-JAN-02
SiteStatus at Test:	Not Reported		
Lithology:	SCHIST	Contributing Unit:	Primary
Top of Interval:	Not Reported	Bottom of Interval:	Not Reported
Site Use:	DESTROYED	Date of Use:	Not Reported
Water Use:	UNUSED	Notes:	Not Reported
Agency Site Use:	Inventory Data Site Only	Agency Use Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

K45
East
1/2 - 1 Mile
Lower

FED USGS USGS40001002343

Organization ID:	USGS-PA		
Organization Name:	USGS Pennsylvania Water Science Center		
Monitor Location:	PH 494	Type:	Well
Description:	Not Reported	HUC:	02040203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Piedmont and Blue Ridge crystalline-rock aquifers		
Formation Type:	Wissahickon Formation, Oligoclase Mica Schist		
Aquifer Type:	Not Reported	Construction Date:	19020101
Well Depth:	200	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels, Number of Measurements:	1	Level reading date:	1902-01-01
Feet below surface:	25.00	Feet to sea level:	Not Reported
Note:	Not Reported		

J46
NW
1/2 - 1 Mile
Higher

PA WELLS PASI60000420260

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	30	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	27-NOV-13
Local Permit #:	Not Reported		

Owner ID:	7483621	Ownership Date:	Not Reported
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Site Use:	K	Date of Use:	Not Reported
Water Use:	OTHER	Notes:	Not Reported

J47
NW
1/2 - 1 Mile
Higher

PA WELLS PASI60000420344

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	35	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	26-NOV-13
Local Permit #:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Owner ID:	7483703	Ownership Date:	Not Reported
Site Use:	K	Date of Use:	Not Reported
Water Use:	OTHER	Notes:	Not Reported

**L48
SSE
1/2 - 1 Mile
Lower**

PA WELLS PASI60000379474

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	20	Elevation:	0
Site Type:	Not Reported	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	28-APR-06
Local Permit #:	Not Reported		

Owner ID:	488765	Ownership Date:	Not Reported
Site Use:	Not Reported	Date of Use:	Not Reported
Water Use:	UNUSED	Notes:	Not Reported

**L49
SSE
1/2 - 1 Mile
Lower**

PA WELLS PASI60000379473

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	35	Elevation:	0
Site Type:	Not Reported	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	28-APR-06
Local Permit #:	Not Reported		

Owner ID:	488764	Ownership Date:	Not Reported
Site Use:	Not Reported	Date of Use:	Not Reported
Water Use:	UNUSED	Notes:	Not Reported

**L50
SSE
1/2 - 1 Mile
Lower**

PA WELLS PASI60000379472

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	25	Elevation:	0
Site Type:	Not Reported	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	28-APR-06
Local Permit #:	Not Reported		

Owner ID:	488763	Ownership Date:	Not Reported
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Site Use:	Not Reported	Date of Use:	Not Reported
Water Use:	UNUSED	Notes:	Not Reported

**L51
SSE
1/2 - 1 Mile
Lower**

PA WELLS PASI60000379486

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	15	Elevation:	0
Site Type:	Not Reported	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	28-APR-06
Local Permit #:	Not Reported		

Owner ID:	488777	Ownership Date:	Not Reported
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Site Use:	Not Reported	Date of Use:	Not Reported
Water Use:	UNUSED	Notes:	Not Reported

**L52
SSE
1/2 - 1 Mile
Lower**

PA WELLS PASI60000379485

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	20	Elevation:	0
Site Type:	Not Reported	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	28-APR-06
Local Permit #:	Not Reported		

Owner ID:	488776	Ownership Date:	Not Reported
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Site Use:	Not Reported	Date of Use:	Not Reported
Water Use:	UNUSED	Notes:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

L53
SSE
1/2 - 1 Mile
Lower

PA WELLS PASI60000379475

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	25	Elevation:	0
Site Type:	Not Reported	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	28-APR-06
Local Permit #:	Not Reported		
Owner ID:	488766	Ownership Date:	Not Reported
Site Use:	Not Reported	Date of Use:	Not Reported
Water Use:	UNUSED	Notes:	Not Reported

M54
SSE
1/2 - 1 Mile
Lower

FED USGS USGS40001001905

Organization ID:	USGS-PA		
Organization Name:	USGS Pennsylvania Water Science Center		
Monitor Location:	PH 447	Type:	Well
Description:	Not Reported	HUC:	02040203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Piedmont and Blue Ridge crystalline-rock aquifers		
Formation Type:	Wissahickon Formation, Oligoclase Mica Schist		
Aquifer Type:	Not Reported	Construction Date:	19471024
Well Depth:	351	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported
Ground water levels,Number of Measurements:	1	Level reading date:	1947-10-24
Feet below surface:	4.00	Feet to sea level:	Not Reported
Note:	Not Reported		

M55
SSE
1/2 - 1 Mile
Lower

PA WELLS PASI60000029853

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	29855	Local Well #:	PH 447
Aquifer:	WISSAHICKON FORMATION	Topography:	Valley Flat
Well Depth:	351	Elevation:	20
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	24-OCT-47
Local Permit #:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Owner ID:	29613	Ownership Date:	24-OCT-47
Construction Date:	24-OCT-47	Driller:	0249
Source of Construction Data:	DRILLERS RECORD	Construction Method:	Cable Tool
How Finished:	Unsupported (Uncased) Borehole	Reason Abandoned:	Not Reported
Driller Well ID:	Not Reported	Original Driller Name:	Not Reported
Construction Type:	Not Reported		
Discharge Type:	Pumped	Data Source:	DRILLERS RECORD
Discharge Measurement Method:	Not Reported	Discharge:	153.
Static Water Level (ft):	4.	Agency Providing Data:	Drillers Record
WL Measurement Method:	AIRLINE	Production Water Level (ft):	78.7
Drawdown (ft):	74.7	Yield (gmp/ft):	2.
Test Length (min):	7.5	SiteStatus at Test:	Not Reported
Date Discharged:	24-OCT-47		
Lithology:	SCHIST	Contributing Unit:	Primary
Top of Interval:	Not Reported	Bottom of Interval:	Not Reported
Lithology:	UNKNOWN	Contributing Unit:	No Water
Top of Interval:	20.	Bottom of Interval:	Not Reported
Site Use:	DESTROYED	Date of Use:	Not Reported
Water Use:	UNUSED	Notes:	Not Reported
Agency Site Use:	Inventory Data Site Only	Agency Use Date:	Not Reported

**N56
North
1/2 - 1 Mile
Higher**

PA WELLS PASI60000407218

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	23	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	22-OCT-10
Local Permit #:	Not Reported		
Owner ID:	7470510	Ownership Date:	Not Reported
Site Use:	F	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported
Comments:	Well Drilled And Installed Using Cme 75 With 4 1/4" Hsa		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

J57
NW
1/2 - 1 Mile
Higher

PA WELLS PASI60000420261

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	30	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	25-NOV-13
Local Permit #:	Not Reported		

Owner ID:	7483725	Ownership Date:	Not Reported
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Site Use:	K	Date of Use:	Not Reported
Water Use:	OTHER	Notes:	Not Reported

N58
North
1/2 - 1 Mile
Higher

PA WELLS PASI60000407204

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	20	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	25-OCT-10
Local Permit #:	Not Reported		

Owner ID:	7470513	Ownership Date:	Not Reported
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Site Use:	F	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported

Comments: Well Drilled And Installed Using Cme 75 With 4 1/4' Hsa

N59
North
1/2 - 1 Mile
Higher

PA WELLS PASI60000407220

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	23	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	21-OCT-10
Local Permit #:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Owner ID:	7470516	Ownership Date:	Not Reported
Site Use:	F	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported
Comments:	Well Drilled And Installed Using Cme 75 With 4 1/4" Hsa		

N60
North
1/2 - 1 Mile
Higher

PA WELLS PASI60000407203

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	20	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	25-OCT-10
Local Permit #:	Not Reported		

Owner ID:	7470512	Ownership Date:	Not Reported
Site Use:	Q	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported

Comments: Well Drilled And Installed Using Cme 75 With 6 1/4" Hsa. Soil Vapor Extraction Well

N61
North
1/2 - 1 Mile
Higher

PA WELLS PASI60000407219

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	23	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	21-OCT-10
Local Permit #:	Not Reported		

Owner ID:	7470515	Ownership Date:	Not Reported
Site Use:	F	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported

Comments: Well Drilled And Installed Using Cme 75 With 4 1/4" Hsa

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

O62
WSW
1/2 - 1 Mile
Lower

FED USGS USGS40001002141

Organization ID:	USGS-PA		
Organization Name:	USGS Pennsylvania Water Science Center		
Monitor Location:	DE 501	Type:	Well
Description:	Not Reported	HUC:	02040202
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Piedmont and Blue Ridge crystalline-rock aquifers		
Formation Type:	Wissahickon Formation, Oligoclase Mica Schist		
Aquifer Type:	Not Reported	Construction Date:	19491214
Well Depth:	175	Well Depth Units:	ft
Well Hole Depth:	175	Well Hole Depth Units:	ft

Ground water levels, Number of Measurements:	1	Level reading date:	1949-12-14
Feet below surface:	9.00	Feet to sea level:	Not Reported
Note:	Not Reported		

N63
North
1/2 - 1 Mile
Higher

PA WELLS PASI60000407216

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	20	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	20-OCT-10
Local Permit #:	Not Reported		

Owner ID:	7470508	Ownership Date:	Not Reported
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Site Use:	Q	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported

Comments: Well Drilled And Installed Using Cme 75 With 6 1/4 Hsa. Soil Vapor Extraction Well

N64
North
1/2 - 1 Mile
Higher

PA WELLS PASI60000407202

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	20	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	25-OCT-10
Local Permit #:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

66
SE
1/2 - 1 Mile
Lower

PA WELLS PASI60000411659

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	15	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	13-FEB-13
Local Permit #:	Not Reported		
Owner ID:	7475126	Ownership Date:	Not Reported
Site Use:	K	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported

67
SSE
1/2 - 1 Mile
Lower

PA WELLS PASI60000391645

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	46	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	21-OCT-11
Local Permit #:	Not Reported		
Owner ID:	7457237	Ownership Date:	Not Reported
Discharge Type:	Not Reported	Data Source:	Not Reported
Discharge Measurement Method:	Not Reported	Discharge:	Not Reported
Static Water Level (ft):	42.	Agency Providing Data:	Not Reported
WL Measurement Method:	Not Reported	Production Water Level (ft):	Not Reported
Drawdown (ft):	Not Reported	Yield (gmp/ft):	Not Reported
Test Length (min):	Not Reported	SiteStatus at Test:	Not Reported
Date Discharged:	Not Reported		
Site Use:	B	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported
Comments:	Monitoring Well #6		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database

EDR ID Number

1G
NE
1/2 - 1 Mile
Lower

Site ID: 51-18473
Groundwater Flow: SW
Shallowest Water Table Depth: 1.91
Deepest Water Table Depth: 4.07
Average Water Table Depth: Not Reported
Date: 09/1994

AQUIFLOW 46553

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: PA Radon

Radon Test Results

Zipcode	Num Tests	Min pCi/L	Max pCi/L	Avg pCi/L
19143	498	0.1	29.5	2.1

EPA Region 3 Statistical Summary Readings for Zip Code: 19143

Number of sites tested: 227.

Maximum Radon Level: 93.8 pCi/L.

Minimum Radon Level: 0.3 pCi/L.

pCi/L <4	pCi/L 4-10	pCi/L 10-20	pCi/L 20-50	pCi/L 50-100	pCi/L >100
210 (92.51%)	13 (5.73%)	2 (0.88%)	1 (0.44%)	1 (0.44%)	0 (0.00%)

Federal EPA Radon Zone for PHILADELPHIA County: 3

- Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory

Source: Pennsylvania Spatial Data Access

Telephone: 610-344-6105

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Pennsylvania Groundwater Information System

Source: Department of Conservation and Natural Resources

Telephone: 717-702-2045

OTHER STATE DATABASE INFORMATION

Pennsylvania Oil and Gas Locations

Source: Pennsylvania Department of Environmental Protection

Telephone: 814-863-0104

An Oil and Gas Location is a DEP primary facility type related to the Oil & Gas Program. The sub-facility types related to Oil and Gas that are included in this layer are: Land Application -- An area where drilling cuttings or waste are disposed by land application; Well-- A well associated with oil and/or gas production; Pit -- An approved pit that is used for storage of oil and gas well fluids. Some sub facility types are not included in this layer due to security policies.

RADON

State Database: PA Radon

Source: Department of Environmental Protection

Telephone: 717-783-3594

Radon Test Results Statistics by Zip Code

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Region 3 Statistical Summary Readings

Source: Region 3 EPA

Telephone: 215-814-2082

Radon readings for Delaware, D.C., Maryland, Pennsylvania, Virginia and West Virginia.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

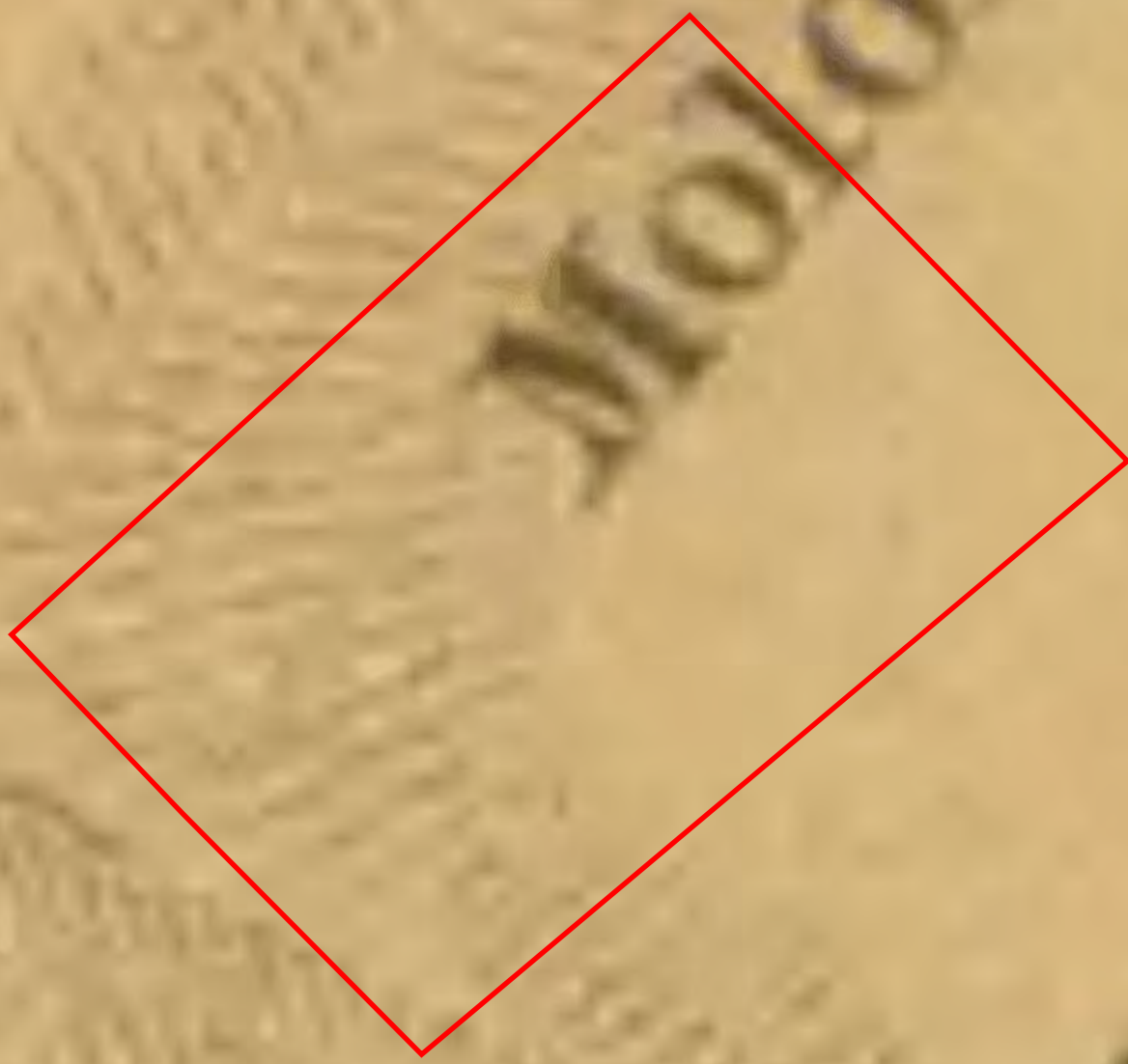
Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

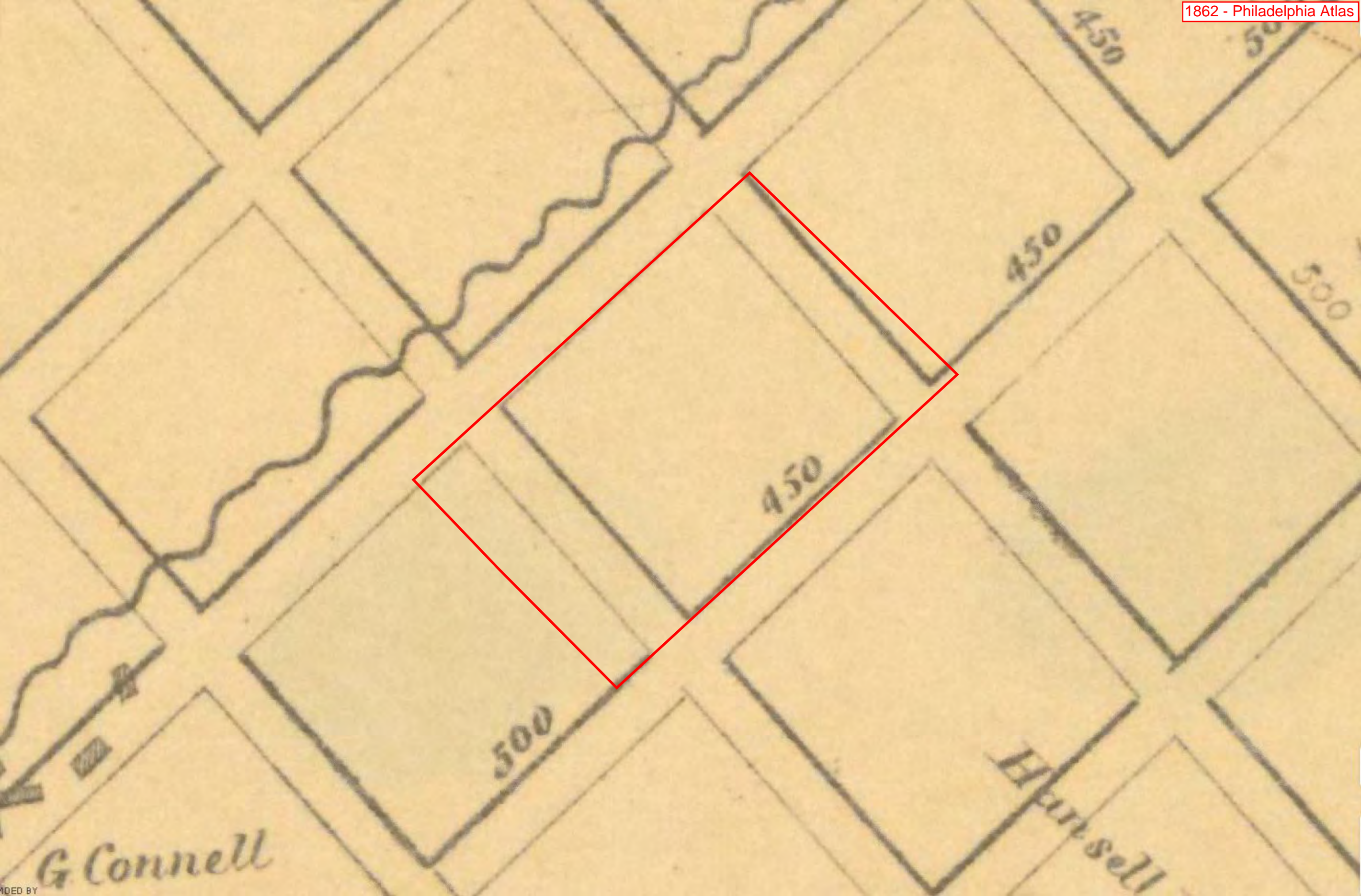
STREET AND ADDRESS INFORMATION

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APPENDIX E

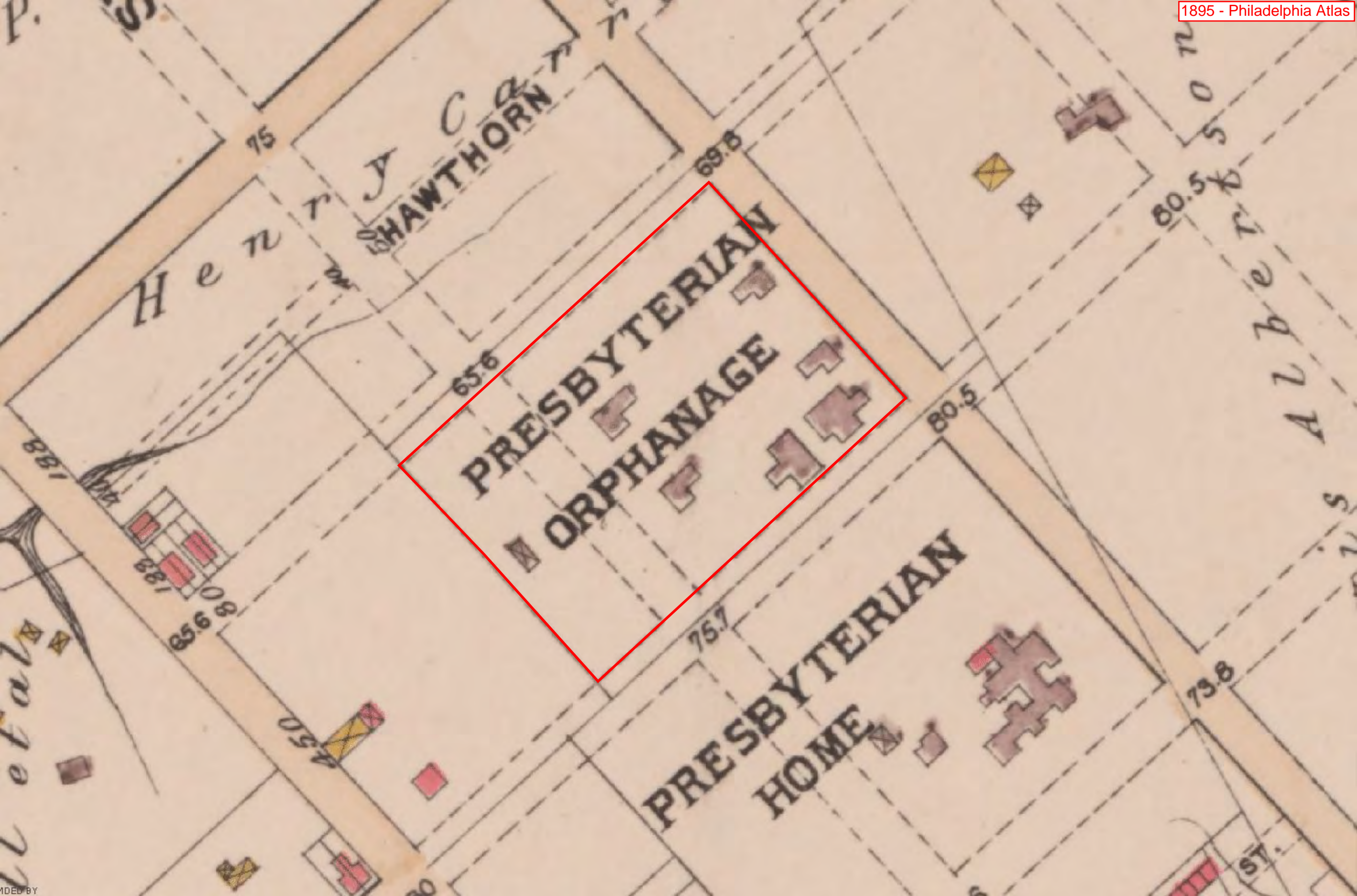
PHILADELPHIA GEOHISTORY MAPS





G. Connell

Hunsell



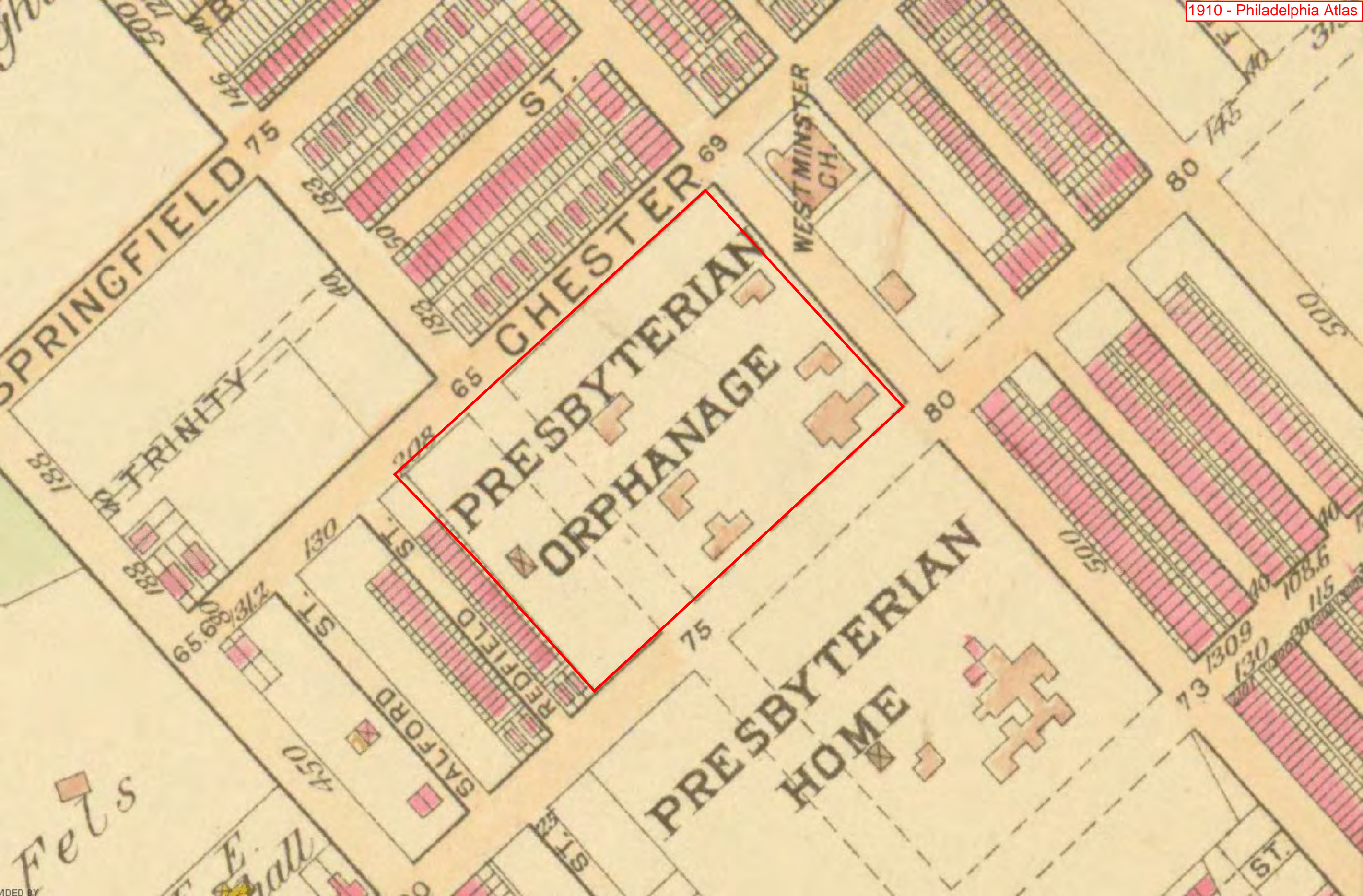
PRESBYTERIAN
ORPHANAGE

PRESBYTERIAN
HOME

HENRY
JACOB SHAWTHORN

ALBERT

188	188	188	188	188
80.58	80.58	80.58	80.58	80.58



SPRINGFIELD
TRINITY

CHESTER

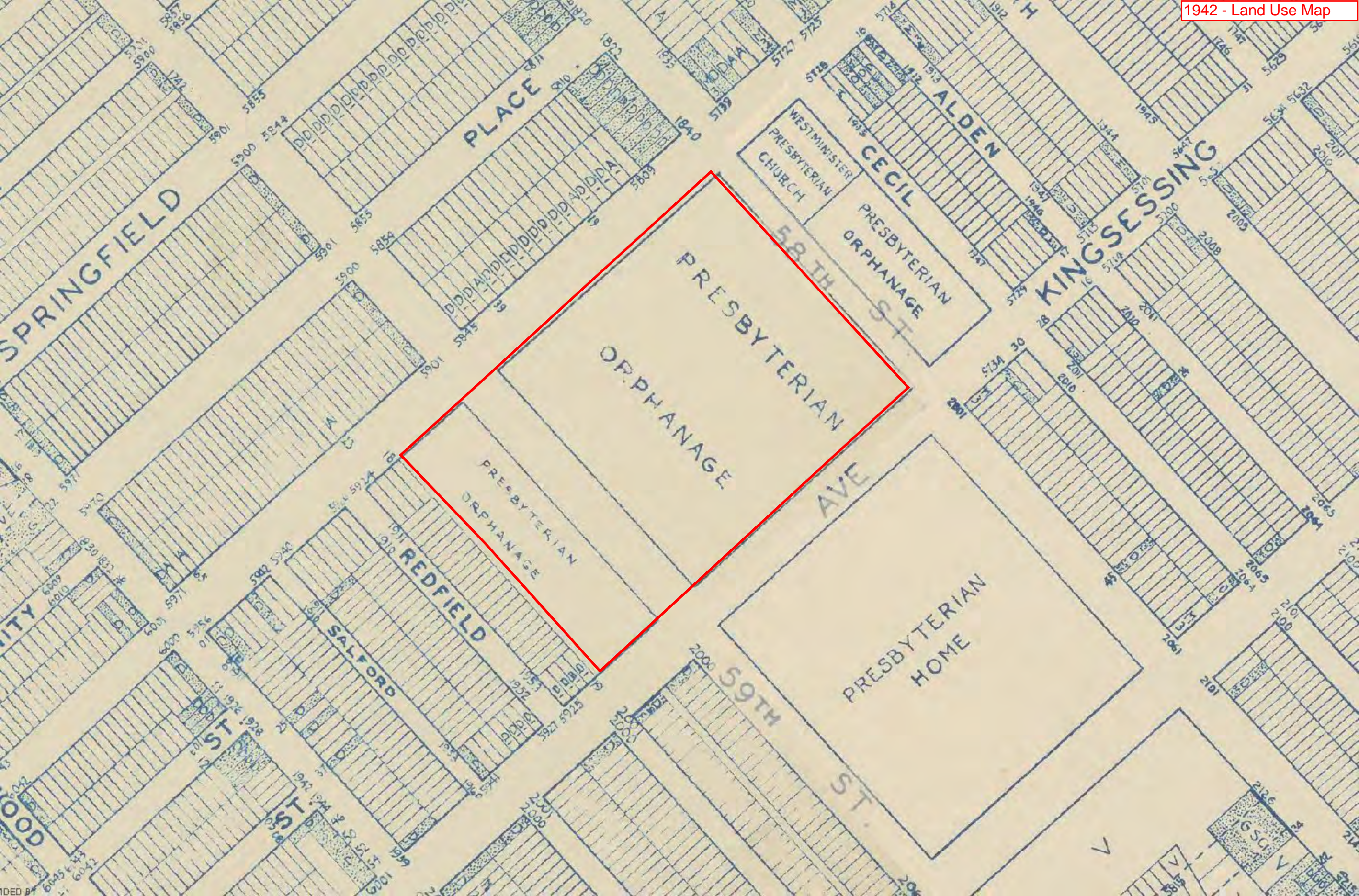
PRESBYTERIAN
ORPHANAGE

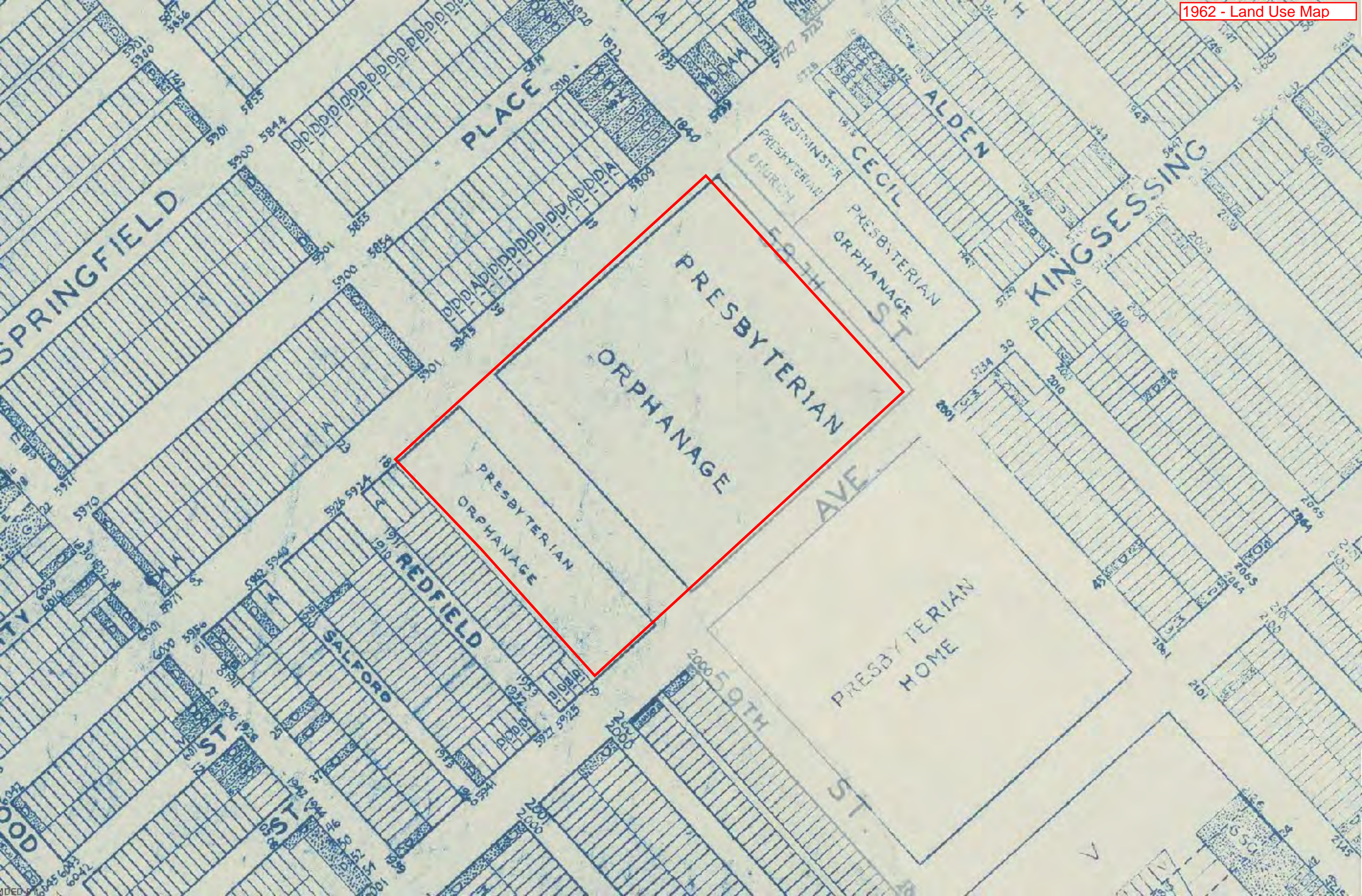
PRESBYTERIAN
HOME

WESTMINSTER
CH.

Fet's

E. Mail





SPRINGFIELD

PLACE

ALDEN

KINGSESSING

WESTMINSTER
PRESBYTERIAN
CHURCH

CECIL
PRESBYTERIAN
ORPHANAGE
ST

PRESBYTERIAN
ORPHANAGE

59TH
AVE

PRESBYTERIAN
ORPHANAGE

REDFIELD

SALFORD

PRESBYTERIAN
HOME

59TH
ST

WOOD

55TH

APPENDIX F

OTHER ENVIRONMENTAL DOCUMENTATION

Facility Search Details

eFACTS on the Web
DEP Information
About DEP
DEP Home
Search eFACTS
Authorization Search
Client Search
Facility Search
Inspection Search
Mammography Search
Name Search
Pollution Prevention
Sites by County/Municipality
Site Search
Other Sites
eMapPA
eNotice
EPA ECHO
EPA Envirofacts
Permits, Licensing, and Certification
The PA Code

Facility ID:	619515
Facility Name:	PHILA PRESBYTERY HOMES
Address:	2050 S 58TH ST PHILADELPHIA, PA 19143 Philadelphia City, Philadelphia County
Status:	Inactive
Program:	Environmental Cleanup & Brownfields

Facility Search Sub-Facility Details

No records matched the criteria.

Facility Search Permit Details

No records matched the criteria.

Facility Search Inspection Details

No records matched the criteria.

Facility Search Tank Remediation

No records matched the criteria.

Facility Search Land Recycling Information

No records matched the criteria.

- eFACTS on the Web**
- DEP Information**
- About DEP
- DEP Home
- Search eFACTS**
- Authorization Search
- Client Search
- Facility Search
- Inspection Search
- Mammography Search
- Name Search
- Pollution Prevention
- Sites by County/Municipality
- Site Search
- Other Sites**
- eMapPA
- eNotice
- EPA ECHO
- EPA Envirofacts
- Permits, Licensing, and Certification
- The PA Code

Facility Search Details

Facility ID:	638726
Facility Name:	NURSING CARE CTR @58TH ST PRESBYTERIAN HOME
Address:	2060 S 58TH ST PHILADELPHIA, PA 19143 Philadelphia City, Philadelphia County
Status:	Inactive
Program:	Environmental Cleanup & Brownfields

Facility Search Sub-Facility Details

Sub Facility Name	Type:	Other ID:	Status:	eMap PA Location:
NURSING CARE CTR @58TH ST PRESBYTERIAN HOME	Soil Media	773362	Active	View Map in eMapPa

Facility Search Permit Details

No records matched the criteria.

Facility Search Inspection Details

No records matched the criteria.

Facility Search Tank Remediation

No records matched the criteria.

Facility Search Land Recycling Information

NIR Type	NIR Received Date	Preparer of NIR
NIR (53272)	06/04/2003	800 E WEST WASHINGTON ST WEST CHESTER, PA 19380

- eFACTS on the Web**
- DEP Information**
- About DEP
- DEP Home
- Search eFACTS**
- Authorization Search
- Client Search
- Facility Search
- Inspection Search
- Mammography Search
- Name Search
- Pollution Prevention
- Sites by County/Municipality
- Site Search
- Other Sites**
- eMapPA
- eNotice
- EPA ECHO
- EPA Envirofacts
- Permits, Licensing, and Certification
- The PA Code

Land Recycling Information Search Details

Property Size:	Site Size:	Jobs Saved/Created:	Multi-Site Agreement Date:	Non-Use Aquifer Date:	Areawide Background Date:	Land Designation Desc:
						None

General Information

NIR Type	NIR Received Date	Preparer of NIR
NIR	06/04/2003	800 E WEST WASHINGTON ST WEST CHESTER, PA 19380

Land Recycling Information Search Activity Details

Response Action Name:	Cleanup Standard:	Residential/Non-Residential:	Risk Assessment Report Required?:	Cleanup Plan Required?:
NURSING CARE CTR @58TH ST PRESBYTERIAN HOME (31524)	Statewide Health Standard	R	No	No

- [eFACTS on the Web](#)
- [DEP Information](#)
- [About DEP](#)
- [DEP Home](#)
- [Search eFACTS](#)
- [Authorization Search](#)
- [Client Search](#)
- [Facility Search](#)
- [Inspection Search](#)
- [Mammography Search](#)
- [Name Search](#)
- [Pollution Prevention](#)
- [Sites by County/Municipality](#)
- [Site Search](#)
- [Other Sites](#)
- [eMapPA](#)
- [eNotice](#)
- [EPA ECHO](#)
- [EPA Envirofacts](#)
- [Permits, Licensing, and Certification](#)
- [The PA Code](#)

Land Recycling Information Details

Activity ID: 31524

Response Action Name:	Risk Assess Report Required?:	Cleanup Standard:	Cleanup Plan Required?:
NURSING CARE CTR @58TH ST PRESBYTERIAN HOME	N	Statewide Health Standard	N
Project Officers:		Telephone Number:	
CHRISTOPHER H FALKLER		(484) 250-5794	

Buyer/Seller Agreement:	Cleanup Costs:	Remarks:
None	None	None
There were not any Cleanup Indicators found.		
There were not any Remarks found.		

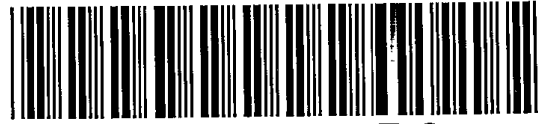
Milestones:	Event Date:	Decision Date:	Decision:
SWH Date NIR published in newspaper	05/08/2003		
SWH Date NIR submitted (Statewide Health)	06/04/2003		
SWH Date DEP acknowledged receipt of NIR	06/10/2003		
SWH Date NIR published in Pa Bulletin	06/21/2003		
SWH Date final report published in newspaper	06/26/2003		
SWH Date DEP received proof of final report submit to muni.	08/06/2003		
SWH Date final report submitted	08/06/2003	08/21/2003	Approval
SWH Date proof of final report newspaper pub. submitted	08/06/2003		
SWH Date DEP acknowledged receipt of final report	08/11/2003		
SWH Date final report submission published in Pa Bulletin	08/23/2003		
SWH Date final report action published in Pa Bulletin	09/13/2003		
SWH Date final report submitted within 90 days of release			
SWH Date of proof of submittal of the NIR to municipality			
SWH Date of submittal of NIR newspaper notice proof			

Media Type Information

Sub Facility ID:	Media Type Name:	Media Type:	Latitude:	Longitude:
773362	NURSING CARE CTR @58TH ST PRESBYTERIAN HOME	SOIL	39° 56' 1	-75° 13' 34

Chemical Category Name:	Chemical Name:	CAS Number:	Mass Treated/Removed:	Mass Managed on Site:
Fuel Oil No 2				

BOX NUMBER:



0000000726

0 5800

CHESTER

AVE

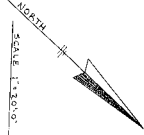
HANSEN NUMBER:



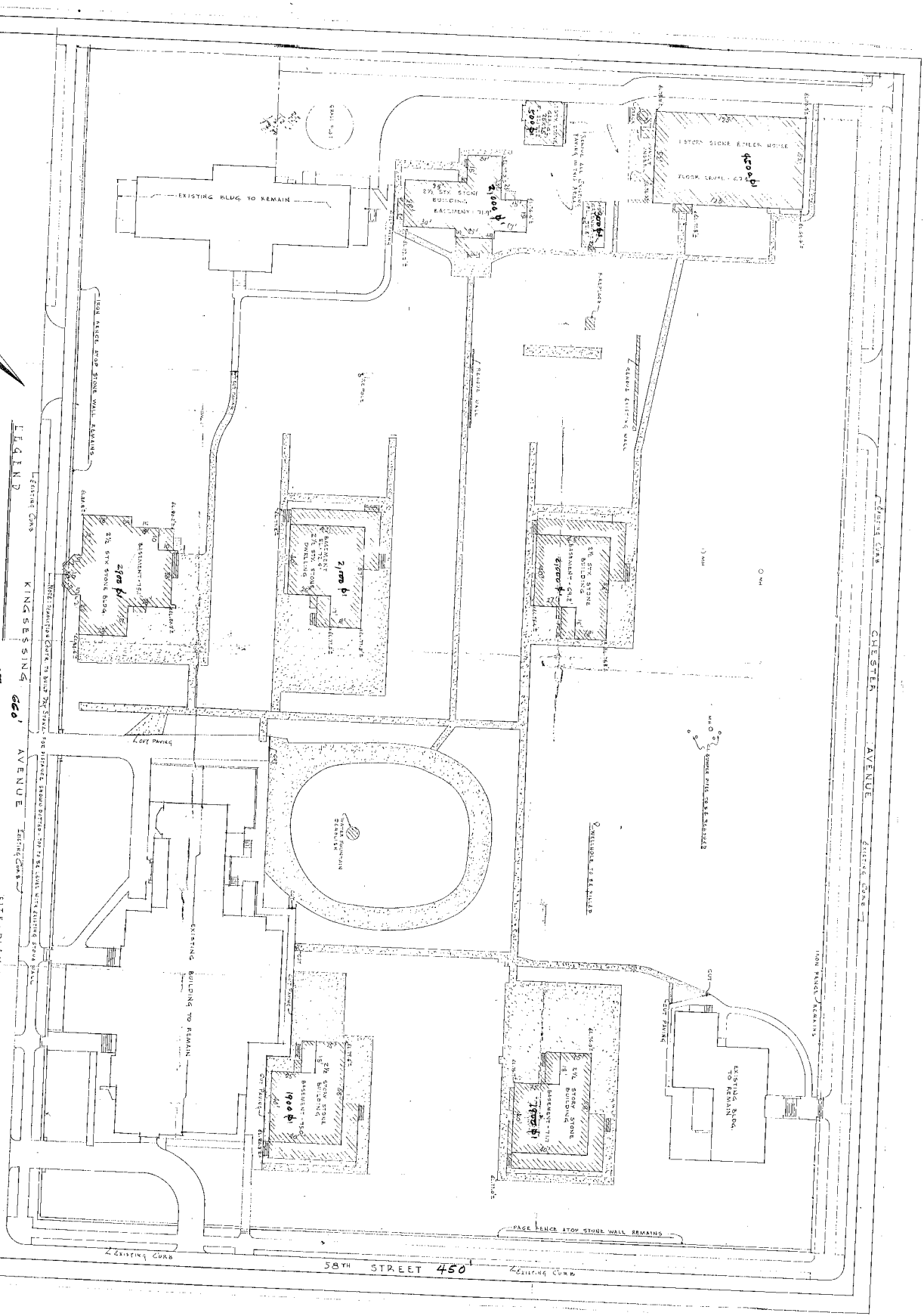
080242



00BREAK00



- LEGEND**
- EXISTING STRUCTURES
 - EXISTING STRUCTURES TO BE DEMOLISHED
 - EXISTING PAVING TO REMAIN
 - EXISTING PAVING TO BE REMOVED



SITE PLAN FOR DEMOLITION WORK
 AT FORMER RECREATION CENTER
 EAST SIDE OF 58TH STREET
 PHILADELPHIA, PA.
 CITY OF PHILADELPHIA - DEPARTMENT OF RECREATION
 ROBERT W. CAMPBELL, COMMISSIONER
 HERMAN POLSKA, A. A.
 MADE 12-1925

MADE 12-1925
 PHILADELPHIA

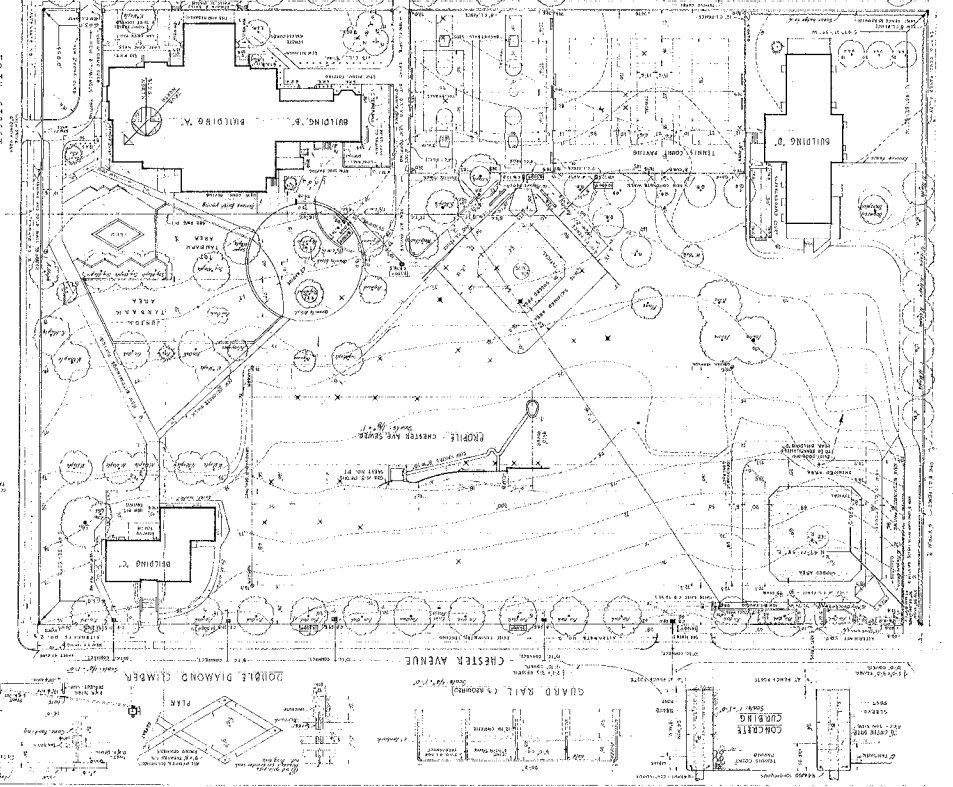
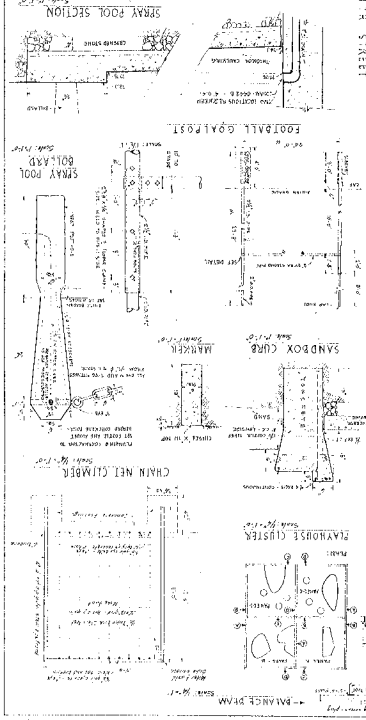
THE CITY OF PHILADELPHIA
 DEPARTMENT OF RECREATION
 PLANNING AND
 BUILDING DIVISIONS
 501 N. KINGSTON AVENUE
 PHILADELPHIA, PA.



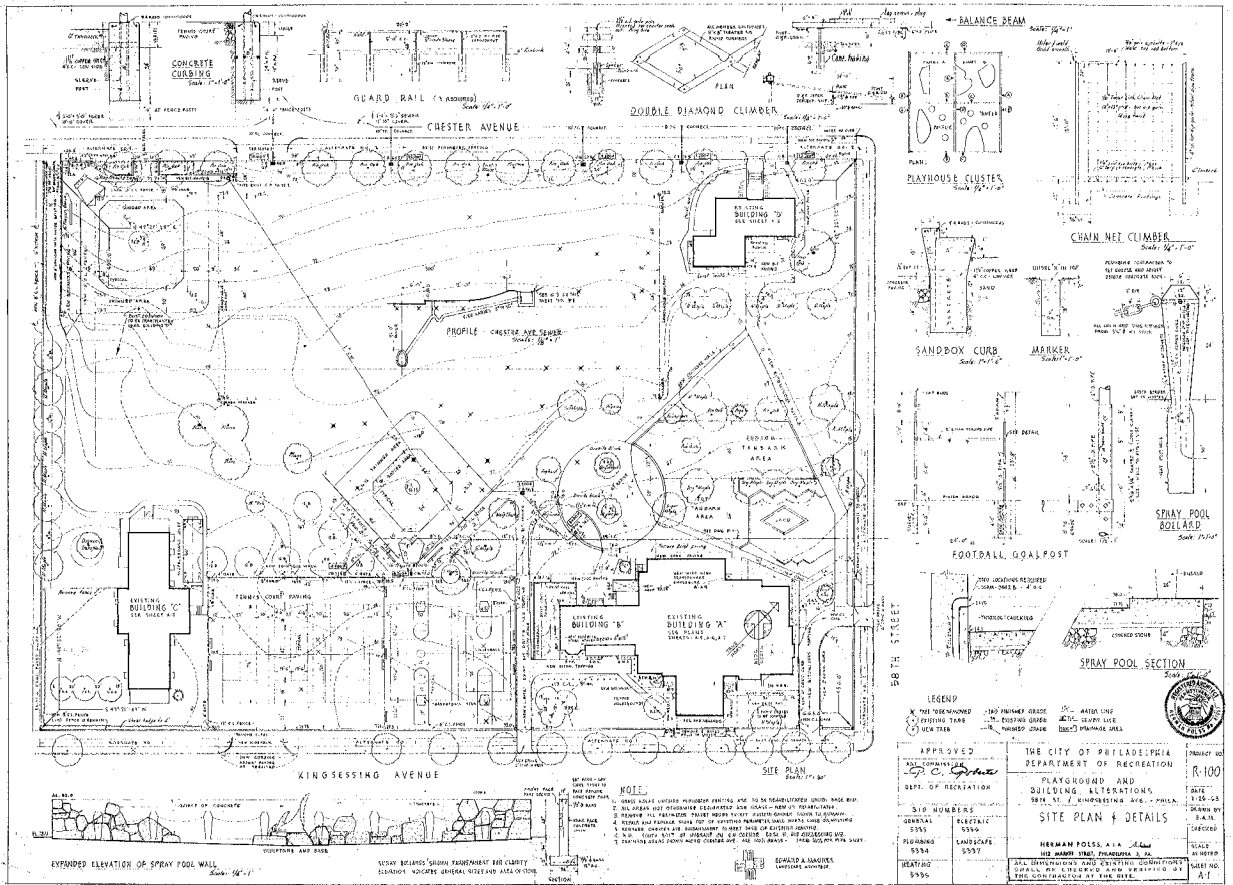
APPROVED
 BY THE CITY ENGINEER
 AND THE CITY COMMISSIONERS
 ON APRIL 15, 1936

HERMAN ROSS, A.E.C.
 ARCHITECT
 1500 MARKET STREET
 PHILADELPHIA, PA.

EXEMPTED ELEVATION OF SPRAY POOL WALL
 SECTION THROUGH SPRAY POOL WALL AND CLIMBER
 SECTION THROUGH SPRAY POOL WALL AND CLIMBER
 SECTION THROUGH SPRAY POOL WALL AND CLIMBER



LEGEND
 1. ASPHALT DRIVE
 2. ASPHALT DRIVE
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 99. ASPHALT DRIVE
 100. ASPHALT DRIVE



EXPANDED ELEVATION OF SPRAY POOL WALL
Scale 1/8" = 1'-0"

SEVEN BEAMS (SEVEN FRAMEWORK) AND CLIMBER
ELEVATION - SHOWS GENERAL SIZES AND AREA OF USE
Scale 1/8" = 1'-0"

- NOTES**
1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF PHILADELPHIA STANDARD SPECIFICATIONS FOR PUBLIC WORKS.
 2. ALL UTILITIES SHALL BE LOCATED AND DEPTH OF UTILITIES SHALL BE DETERMINED BY THE ENGINEER.
 3. THE ENGINEER SHALL BE RESPONSIBLE FOR THE LOCATION AND DEPTH OF UTILITIES.
 4. THE ENGINEER SHALL BE RESPONSIBLE FOR THE LOCATION AND DEPTH OF UTILITIES.
 5. THE ENGINEER SHALL BE RESPONSIBLE FOR THE LOCATION AND DEPTH OF UTILITIES.

APPROVED	THE CITY OF PHILADELPHIA DEPARTMENT OF RECREATION	PROJECT NO. R-100
DATE 1-15-33	PLAYGROUND AND BUILDING ALTERATIONS 310 N. KINGSSESSING AVE. - PHILA.	DATE 1-15-33
SCALE AS SHOWN	SITE PLAN & DETAILS	SCALE AS SHOWN
DESIGNED 5536	HERMAN POISS, A. E.	DATE 1-15-33

BOX NUMBER:



0000000726

05800

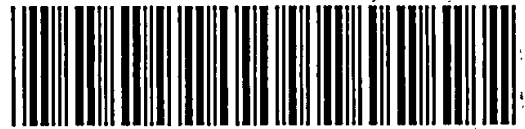
CHESTER

AVE

HANSEN NUMBER:



080242



00BREAK00

SW
7/18/95

AH

APPLICATION FOR ZONING PERMIT AND/OR USE REGISTRATION PERMIT

CITY OF PHILADELPHIA
DEPARTMENT OF LICENSES & INSPECTIONS

NOTE: The requirements for this permit are in addition to all others. Law or regulation. The issuance of this permit does not imply that permit or other permits will be issued if the specifications do not conform to the Building Code, Plumbing Code, Housing Code, Fire Code and all other laws or regulations.

Application is hereby made for the permit or permits required by the Philadelphia Zoning Ordinance before commencing the use or the work described herein, and as shown on accompanying plan.

LOCATION OF PROPERTY (Street and House Number)
5800 CHESTER AVE

situated on NORTH side of KINGSSEWING AVE. Street
at the distance of 192 feet _____ inches _____ from CURB-WEST side of 58th Street _____

Front _____ feet _____ inches. Depth _____ feet _____ inches.

If lot is irregular in shape, give deed description below:
NO Filing Fee
Taken Dept of Recreation 4-20-95

APPLICATION NO. **95-0203044**

DISTRICT DESIGNATION **R5 Rev**

ZONING MAP NO. **3A-1** SUB. **20**

F. A. VOL. PL. **17/1618** WARD _____

PREVIOUS APPLICATION **22606**

CALENDAR NO. **95-0648**

ZONING REFUSED _____

USE REFUSED _____

APPEAL **5/15/95**

APP. GRANTED _____ CERT. _____

APP. REFUSED _____ CERT. _____

REF. TO B. OF A. _____

REF. GRANTED _____ CERT. _____

REF. REFUSED _____ CERT. _____

EXPLAIN ANY ALTERATIONS OR PROPOSED CONSTRUCTION

INTERIOR RENOVATIONS OF EXISTING CITY OF PHILADELPHIA FACILITY. FOOTPRINT OF BUILDING IS NOT BEING CHANGED. RENOVATION WILL RESULT IN RENOVATED SPACE BEING USED AS A COMMUNITY HEALTH FACILITY. FIRST FLOOR IS BEING RENOVATED SECOND + THIRD FLOORS WILL BE SEALED & UNUSED 4' x 8' Deck

THIS SPACE FOR OFFICIAL STAMP

DEPT. (Do not write in this space)
CITY OF PHILADELPHIA
~~2000-90~~
USE REGISTRATION PERMIT
NO. 417625
DATE 1-28-97
 PERMIT GRANTED IN ACCORDANCE WITH ZBA
CERTIFICATE NO. provided
DATE 07/21/95

STORIES AND HEIGHTS FROM GROUND TO ROOF

HEIGHT	EXISTING BUILDING			PROPOSED ADDITION, ALTERATION OR NEW BUILDING		
	FRONT	SIDE	REAR	FRONT	SIDE	REAR
In Feet						
In Stories	<u>3</u>	<u>3</u>	<u>3</u>	<u>NO ADDITION</u>		

TABULATION OF USES

FLOOR NO.	PRESENT USE	LAST PREVIOUS USE	DATE LAST USED
<u>1</u>	<u>NONE</u>	<u>COMMUNITY FACILITY</u>	<u>1980</u>
<u>2</u>	<u>NONE</u>	<u>"</u>	<u>1980</u>
<u>3</u>	<u>NONE</u>	<u>"</u>	<u>1980</u>

FLOOR NO.	PROPOSED USE OF PRESENT BUILDING	PROPOSED USE OF ADDITION OR NEW BUILDING
<u>1</u>	<u>COMMUNITY HEALTH FACILITY</u>	<u>N/A</u>
<u>2</u>	<u>NONE</u>	
<u>3</u>	<u>NONE</u>	

on same lot with Recreation Facility

Additional use information, if required _____

OWNER	ADDRESS	PHONE
<u>CITY OF PHILA. RECREATION DEPT</u>	<u>6th 1600 ARCH ST.</u>	<u>686-3625</u>
ARCHITECT OR ENGINEER	ADDRESS	PHONE
<u>ZIMMERS ASSOC. INC. 662371528</u>	<u>WAVERLY ST.</u>	<u>985-1841</u>
CONTRACTOR	ADDRESS	PHONE
<u>RECREATION DEPT MAINTENANCE DIVISION</u>		<u>686-3625</u>
APPLICANT	ADDRESS	PHONE
<u>PATRICK J. LAMB</u>	<u>6th 1600 ARCH ST.</u>	<u>686-3625</u>

DRAW PLANS ON SPACE BELOW

PLANS TO BE DRAWN IN INK. SHOW:

1. All lot lines and dimensions.
2. All streets and alleys bounding property.
3. Curb lines and their distances from lot lines.
4. Location and dimensions of all driveways, curb cuts and off-street parking lots.
5. Distances from building to lot lines and to other buildings on same lot.
6. Draw elevations and additional plans when required.

"I hereby certify that the statements contained herein are true and correct to the best of my knowledge and belief. I further certify that I am authorized by the owner to make the foregoing application, and that, before I accept any permit for which this application is made, the owner shall be made aware of all the conditions of the permit. I understand that if I knowingly make any false statement herein I am subject to such penalties as may be prescribed by law or ordinance."

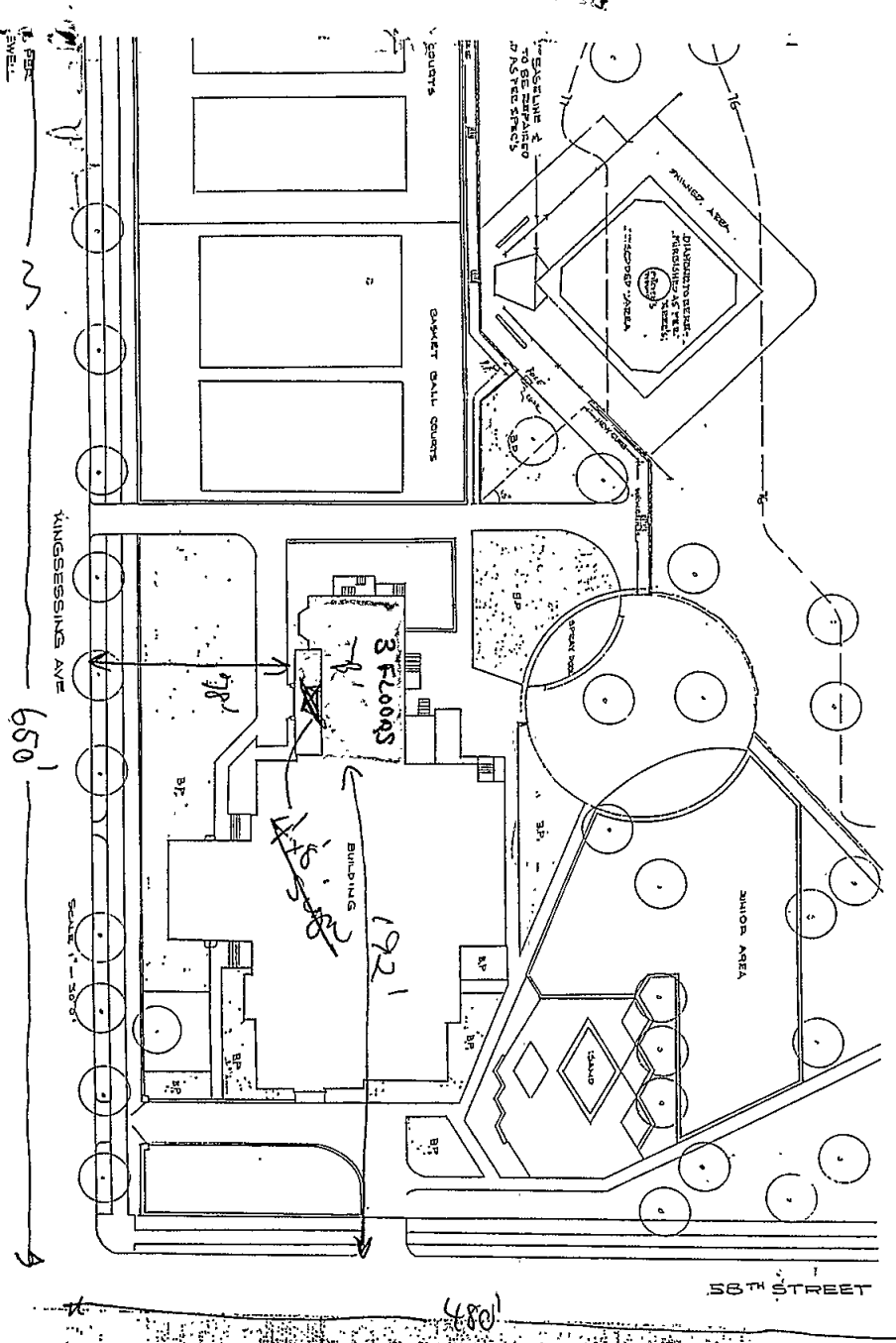
Patrick J. Lamb

Recreation Department

(Applicant Sign Here)

686-3625

CHESTER AVE



Indicated Section being renovated

CITY OF PHILADELPHIA

DEPARTMENT OF RECREATION

MEMORANDUM

Date: November 18, 1996

To: ZONING SECTION, DEPARTMENT OF LICENSES AND INSPECTIONS

From: MICHAEL DIBERARDINIS, RECREATION DEPARTMENT
Department of Recreation, 1600 Arch St., 6th Fl.
TEL - 686-3601

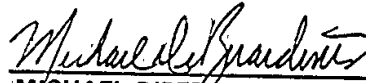
Re: WAIVER OF FEE, CERTIFICATE OF OCCUPANCY, FRANCIS MYERS
RECREATION CENTER

I AM REQUESTING THAT THE PERMIT FEE FOR THE SUBJECT CERTIFICATE
BE WAIVED.

FRANCIS MYERS RECREATION CENTER IS A CITY OWNED FACILITY ADMIN-
ISTERED BY THE RECREATION DEPARTMENT.

THANK YOU.

SIGNED:



MICHAEL DIBERARDINIS
RECREATION COMMISSIONER

PETITION OF APPEAL

CITY OF PHILADELPHIA • ZONING BOARD OF ADJUSTMENT
1600 ARCH STREET — ROOM 525

Thru to KINGDESSING AVE.
PROPERTY ADDRESS: 5800 Chester Ave. SWC 58th St.

APPEAL DATE: 5/15/95 RECEIPT NUMBER: waived on B.L.

PRINT OR TYPE CLEARLY — DO NOT WRITE IN SHADED AREA

L & I NUMBER: 150203044 CALENDAR NUMBER: 75-0648

PUBLIC HEARING AT 1321 ARCH STREET — 12TH FLOOR
 9:30 A.M. 5:00 P.M. OTHER

APPEAL FEES: HEARING DATE: 7/18/95

PROPERTY ADDRESS: 5800 CHESTER AVENUE - SWC 58th ST. THRU TO KINGDESSING

OWNER NAME: CITY OF PHILA. RECREATION DEPT. MAINT. DIV TELEPHONE NUMBER — (9:00 A.M. — 5:00 P.M.): 686-3625

OWNER ADDRESS: 1600 ARCH ST. 6TH FLOOR ZIP CODE: 19103

PERSON FILING APPEAL NAME: PATRICK J. LAMB, EX ASST MAINT. DIV TELEPHONE NUMBER — (9:00 A.M. — 5:00 P.M.): 686-3625

PERSON FILING APPEAL ADDRESS: 1600 ARCH ST. 6TH FLOOR ZIP CODE: 19103

CHECK APPROPRIATE BOX: OWNER LEASEE AGENT OTHER

IF OTHER, STATE INTEREST:

ATTORNEY (IF ANY — NAME): MS. TERRILYN R. ELLIOT TELEPHONE NUMBER — (9:00 A.M. — 5:00 P.M.): 685-5225

ATTORNEY ADDRESS: LAW DEPT. ZIP CODE:

A ZONING APPLICATION WAS FILED WITH L & I FOR THE FOLLOWING REASONS:
TO CONSTRUCT A COMMUNITY HEALTH FACILITY
IN AN EXISTING RECREATION FACILITY

AS A RESULT, LICENSES AND INSPECTIONS ISSUED (Check One) REFUSAL REFERRAL PERMIT

I/WE ARE APPEALING THE ACTION OF L & I FOR THE FOLLOWING REASONS:
THE RECREATION DEPARTMENT WISHES APPROVAL
FOR THE CONSTRUCTION OF HEALTH FACILITY IN ORDER
TO PROVIDE A WIDE RANGE OF SERVICES TO THE
SOUTH WEST PHILADELPHIA COMMUNITY.

I hereby certify that the statements contained herein are true and correct to the best of my knowledge and belief. I understand that if I knowingly make any false statement herein I am subject to such penalties as may be prescribed by law or ordinance.
SIGNATURE OF APPLICANT: Patrick Lamb, Executive Director, Recreation Dept.

DO NOT DETACH AND COPY

REFERRAL TO ZONING BOARD OF ADJUSTMENT		APPLICATION NUMBER 950203044	
		DISTRICT R-5 Residential	PLATE 3A-1
TO	ZONING BOARD OF ADJUSTMENT ROOM 710, MUNICIPAL SERVICES BUILDING	DATE 4-26-95	Is hereby referred to the BOARD OF ADJUSTMENT.
APPLICANT Patrick J. Lamb - Dept. of Recreation			
ADDRESS 6th floor, 1600 Arch Street			PHONE (686-3625)
LOCATION OF PROPERTY 5800 Chester Avenue-SWC 58th Street thru to Kingsessing.			
PROPOSED USE Community Health Facility			
REMARKS See Section # 14-205			
THIS USE REQUIRES A CERTIFICATE FROM THE ZONING BOARD OF ADJUSTMENT IN The district.			
<i>Fee to file appeal \$200</i>			
See appl.# 22606, Cal# 80-1168, Zoning Board of Adjustment approved a one story addition to an existing recreation center and proposed no accessory off-street parking, 10-2-60.			
See appl.# 25256H, Cal# 1598, Zoning Board of Adjustment approved an extension to a recreation center, 9-4-67.			
See appl.# 26077, Cal# 74-1458, Zoning Board of Adjustment approved an inground pool accessory to a recreation center, 4-30-74.			
SIGNATURE <i>Alie Perry</i>			
FOR THE COMMISSIONER			

NOTICE TO APPLICANT

An appeal from this referral must be taken with the Zoning Board of Adjustment in Room 710, Municipal Services Building before you may legally proceed.



CITY OF PHILADELPHIA

DEPARTMENT OF LICENSES AND INSPECTIONS
1401 JOHN F. KENNEDY BLVD.
PHILADELPHIA PENNSYLVANIA 19103-1687

FRANCES EGAN
COMMISSIONER
SHIRLEY Y. HAYES
DEPUTY COMMISSIONER
MARY RITA D'ALESSANDRO
DEPUTY COMMISSIONER
EDWARD J. McLAUGHLIN
DEPUTY COMMISSIONER

JANUARY 17, 1997

Patrick Lamb, Executive Assistant
Dept. of Recreation - Maintenance Division
City of Philadelphia
1600 Arch Street - 6th flr.
Phila., Pa. 19103

re: 5800 Chester Avenue - Calendar #95-0648

Dear Mr. Lamb:

The Zoning Board of Adjustment has received your letter dated January 14, 1997. In that letter you ask the Board to grant an extension of time on the certificate for the referenced property. You cite a misunderstanding of the procedures as the reason the permit was not secured within one calendar year.

After due deliberation, the Board has granted your request and given an extension until April 14, 1997. Upon receipt of this letter, you may proceed with the permitting process through the Zoning Unit. A copy of this letter will be forwarded to that unit for inclusion in their files.

If you have any questions or need additional information, please contact me at 686-2420.

Sincerely,

Eileen Evans
Assistant Board Administrator

cc: John Barton - Zoning Administrator

NOTICE OF REFUSAL OF PERMIT	CITY OF PHILADELPHIA DEPT. OF LICENSES & INSPECTIONS 1600 ARCH STREET - CONCOURSE	APPLICATION DATE	APPLICATION NO.
		DATE OF REFUSAL	

LOCATION _____

APPLICANT _____ ADDRESS _____

THE APPLICATION FOR A _____ PERMIT FOR THE ABOVE LOCATION HAS BEEN REFUSED BECAUSE THE PROVISIONS OF THE PHILADELPHIA CODE HAVE NOT BEEN COMPLIED WITH IN THE FOLLOWING PARTICULARS:

PHILADELPHIA CODE REFERENCE	REASONS FOR REFUSAL
-----------------------------	---------------------

Signed _____
Plan Examiner

Signed _____
Section Supervisor

INSTRUCTIONS FOR ISSUANCE OF PERMIT OR PERMITS

ZONING ~~use for the erection of one flat wall sign, non illuminated~~
~~illuminated accessory to a~~
 For partial demolition of Existing Building and erection of Addition, structure, garage, accessory to a single family dwelling with accessory _____, garage, size and location, as shown in the application. Authorized by and subject to the conditions of Board of Adjustment Certificate.

USE ~~use~~ ~~a community health facility in Bldg B - 1st flr~~
~~For extension of same same lot with recreation~~ ~~single family dwelling with~~
~~accessory, _____, garage, size and location, equipment and capacity as shown in the application, to include~~
~~use of new construction for~~ ~~center (no sign on this permit - no sign on bldg.)~~
 Authorized by and subject to the conditions of Board of Adjustment Certificate, ~~DA 195~~ ~~providing medical~~
~~waste pick-up; all work must be storehouse. Bldg. remove~~
~~free standing sign and place on bldg. on a flat wall sign. Health.~~
 Issued by _____ Authorized by _____
 12-11-80 _____ 01/28/97 (GW) _____
 1-11-80 _____ Per 550. - Per 550 waver per center Per Richard Forbes

APPLICANT! Do not use this sheet

EXAMINER'S REPORT

DISTRICT		TYPE OF PROPERTY <input type="checkbox"/> Corner <input type="checkbox"/> Attached <input type="checkbox"/> Semi-Detached <input type="checkbox"/> Detached			
DWELLING <input type="checkbox"/> Yes <input type="checkbox"/> No	HOW MANY FAMILIES	HOW MANY STORIES	USE APPLIED FOR	ACCESSORY	TO WHAT USE

AREAS AND DIMENSIONS	Req. or Permitted	%	Req. when used	Existing	Proposed	%
Lot area						
Occupied area						
Area rear yard						
" inner court						
Total open area						
Set-back front						
Set-back side						
Rear yard - depth						
Side yard, minimum width						
" " aggregate width						
Open court - width						
Court between wings - width						
Inner court - least dimension						
Height - front						
" - side						
" - rear						
" - garage						
Garage - inner dimensions						

IS USE PERMITTED IN THIS DISTRICT <input type="checkbox"/> Yes <input type="checkbox"/> No	UNDER WHAT PROVISION
IF USE IS NOT PERMITTED IN THIS DISTRICT, UNDER WHAT PROVISION IS IT PERMITTED	

ZONING PERMIT	USE PERMIT
<input type="checkbox"/> Grant <input type="checkbox"/> Refuse <input type="checkbox"/> Refer <input type="checkbox"/> Not Required	<input type="checkbox"/> Grant <input type="checkbox"/> Refuse <input type="checkbox"/> Refer <input type="checkbox"/> Not Required

REMARKS

DATE OF EXAMINATION	EXAMINER (Signature)
---------------------	----------------------

INSPECTOR'S REPORT

[Empty space for Inspector's Report]

DATE OF INSPECTION	INSPECTOR (Signature)
--------------------	-----------------------

WAIVER OF PERMIT FEE

(A separate form is required for each permit applied for)

DATE

12/17/80

TO: DEPARTMENT OF LICENSES AND INSPECTIONS, BUILDING DIVISION

FROM: Department of Recreation

SUBJECT: WAIVER OF PERMIT FEES FOR PROJECT # Francis Myers Recreation Center

LOCATED AT 58th and Kingsessing

The Recreation Department has contracted with

Stephen Mark Goldner, 308 Walnut Street, 19106.

for general construction work, bid number 5032 to be done in connection with the above project.

Said project provides that NO PERMIT FEE be paid to the City of Philadelphia for a Permit.

Signature of Sender: *Alvin Z...*
Title of Sender: DIRECTOR, FACILITIES DIVISION

NOTE: CHARGES FOR CONSTRUCTION WATER MUST BE PAID ON OTHER THAN CITY-OWNED PROPERTIES.

WAIVER OF PERMIT FEE

(A separate form is required for each permit applied for)

DATE

8/13/80

TO: DEPARTMENT OF LICENSES AND INSPECTIONS, BUILDING DIVISION

FROM: RECREATION DEPARTMENT

SUBJECT: WAIVER OF PERMIT FEES FOR PROJECT # Francis Myers Recreation Center

LOCATED AT 58th St. and Kingsessing Ave.

The RECREATION Department has contracted with Stephen Mark Goldner, architect, 308 Walnut St., Phila., Pa. 19106

for general construction work, bid number to be done in connection with the above project.

Said project provides that NO PERMIT FEE be paid to the City of Philadelphia for a Zoning

Permit:

Signature of Sender

Title of Sender Director, Facilities Div., Recreation Dept.

NOTE: CHARGES FOR CONSTRUCTION WATER MUST BE PAID ON OTHER THAN CITY-OWNED PROPERTIES.

WAIVER OF PERMIT FEE

(A separate form is required for each permit applied for)

DATE

8/13/80

TO: DEPARTMENT OF LICENSES AND INSPECTIONS, BUILDING DIVISION

FROM: RECREATION DEPARTMENT

SUBJECT: WAIVER OF PERMIT FEES FOR PROJECT # Francis Myers Recreation Center

LOCATED AT 58th St. and Kingsessing Ave.

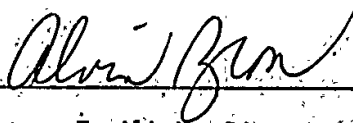
The RECREATION Department has contracted with Stephen Mark Goldner, architect, 308 Walnut St., Phila., Pa. 19106

for general construction work, bid number _____ to be done in connection with the above project.

Said project provides that NO PERMIT FEE be paid to the City of Philadelphia for a Zoning

Permit.

Signature of Sender



Title of Sender Director, Facilities Div., Recreation Dept.

NOTE: CHARGES FOR CONSTRUCTION WATER MUST BE PAID ON OTHER THAN CITY-OWNED PROPERTIES.

C APPLICATION FOR ZONING PERMIT AND/OR USE REGISTRATION PERMIT

9/18 CITY OF PHILADELPHIA DEPARTMENT OF LICENSES & INSPECTIONS

NOTE: The requirements for this permit are in addition to all others required by law or regulation. The issuance of this permit does not imply that a building permit or other permits will be issued if the specifications do not conform with the Building Code, Plumbing Code, Housing Code, Fire Code and all other pertinent laws or regulations.

Application is hereby made for the permit or permits required by the Philadelphia Zoning Ordinance before commencing the use or the work described herein, and as shown on accompanying plan.

APPLICATION NO. **22806**

LOCATION OF PROPERTY (Street and House Number)
Francis Myers Recreation Center of the City of Philadelphia, Department of Recreation

DISTRICT DESIGNATION **R52-5**

situated on Northwest side of Kingsessing Avenue Street at the distance of 0 feet 0 inches from Southwest side of 58th Street

ZONING MAP NO. **30-1-3-2**

Front _____ feet _____ inches. Depth _____ feet _____ inches.

P.A. VOL. PL. **17-1618** WARD

If lot is irregular in shape, give deed description below:

PREVIOUS APPLICATION: **26077**

CALENDAR NO. **80-9168**

RECEIVED DEPT. OF LICENSES AND INSPECTIONS

Filed

AUG 19

Under

5800 59th Chester Ave

ZONING REFUSED

USE REFUSED

APPEAL **9-18-80**

APP. GRANTED CERT.

APP. REFUSED CERT.

REF. TO B. OF A.

REF. GRANTED CERT.

REF. REFUSED CERT.

EXPLAIN ANY ALTERATIONS OR PROPOSED CONSTRUCTION
4,000 sq. ft. addition and renovations to existing Recreation Center. - See drawings.
ADDITION TO BE ONE STORY

THIS SPACE FOR OFFICIAL STAMP (Do not write in this space)

DEPT. OF LIC. & INSPECTIONS
CITY OF PHILADELPHIA
ZONING AND USE REGISTRATION PERMITS
NO. **28807**
DATE **12-18-80**
 PERMIT GRANTED IN ACCORDANCE WITH ZMA
CERTIFICATE NO. _____

STORIES AND HEIGHTS FROM GROUND TO ROOF

HEIGHT	EXISTING BUILDING			PROPOSED ADDITION, ALTERATION OR NEW BUILDING		
	FRONT	SIDE	REAR	FRONT	SIDE	REAR
In Feet	40'	40'	40'	-	26'	26'
In Stories	2	2	2	-	one	One

TABULATION OF USES

FLOOR NO.	PRESENT USE	LAST PREVIOUS USE	DATE LAST USED
1	gym, locker RECREAT. CENTER		to present
FLOOR NO.	PROPOSED USE OF PRESENT BUILDING	PROPOSED USE OF ADDITION OR NEW BUILDING	
1	multi-purpose, office, locker, gym RECREAT. CENTER		

Additional use information, if required

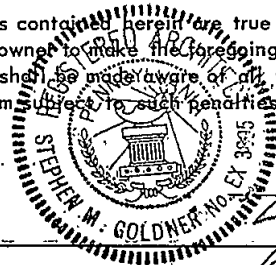
OWNER City of Phila., Dept. of Rec.	ADDRESS Municipal Serv. Bldg., Phila., PA	PHONE MU6-3622
ARCHITECT OR ENGINEER Stephen M. Goldner Assoc.	ADDRESS 308 Walnut Street, Phila., PA	PHONE 922-6446
CONTRACTOR Anvil Constr. Co., Inc.	ADDRESS 10060 Sandmeyer Lane, Phila., PA	PHONE 676-9100
APPLICANT Stephen M. Goldner Assoc.	ADDRESS 308 Walnut Street, Phila., PA	PHONE 922-6446

DRAW PLANS ON SPACE BELOW

PLANS TO BE DRAWN IN INK. SHOW:

1. All lot lines and dimensions.
2. All streets and alleys bounding property.
3. Curb lines and their distances from lot lines.
4. Location and dimensions of all driveways, curb cuts and off-street parking lots.
5. Distances from building to lot lines and to other buildings on same lot.
6. Draw elevations and additional plans when required.

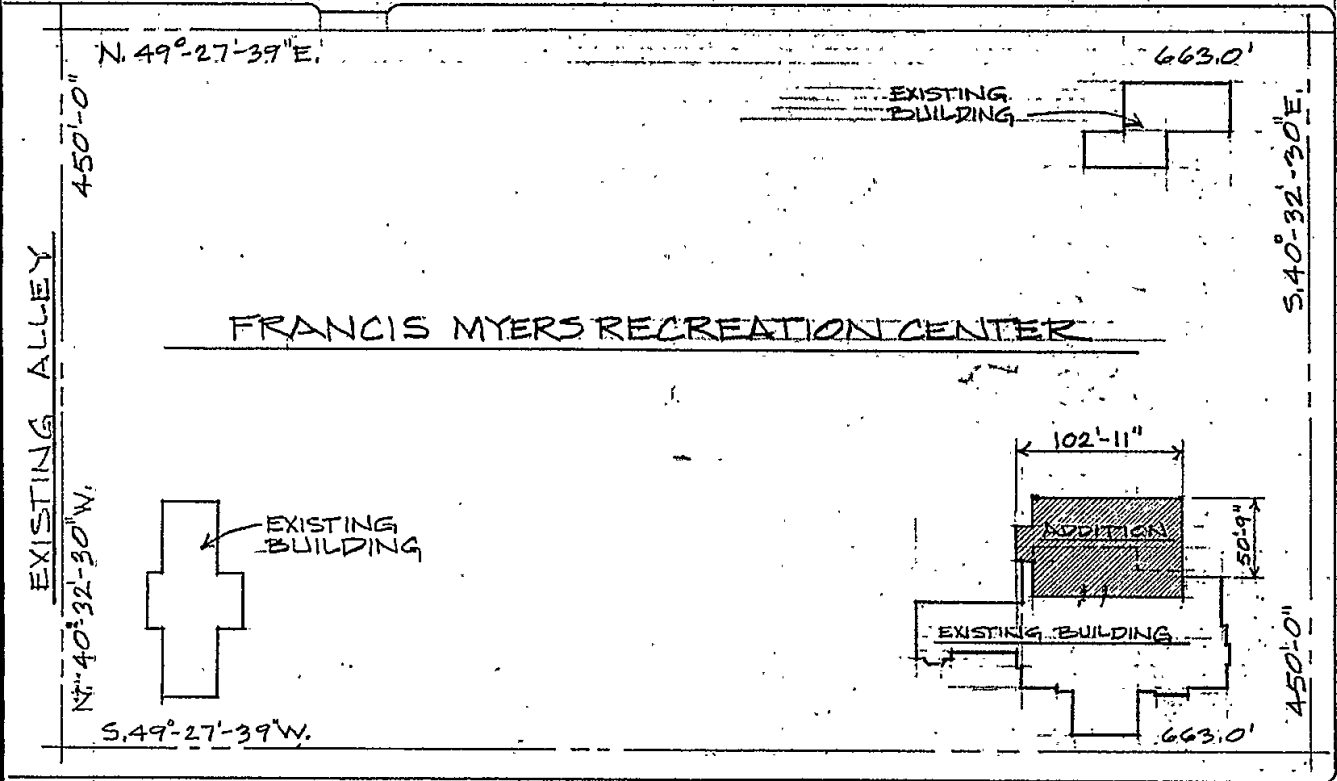
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(Applicant, Sign Here)

STEPHEN MARK GOLDNER ASSOCIATES Architects • Land Planners
 308 Walnut Street, Philadelphia, Pennsylvania 19106 215 922 6446

CHESTER AVENUE



KINGESSING AVENUE

SITE PLAN

SCALE 1"=100'-0"

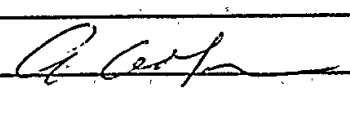


AREA OF SITE $663 \times 450 = 298,350 \text{ \#}$

AREA OF ADDITION = ~~16,520~~
4000



Registration: NCARB • Pennsylvania • New Jersey • Delaware • Maryland • Virginia • Florida

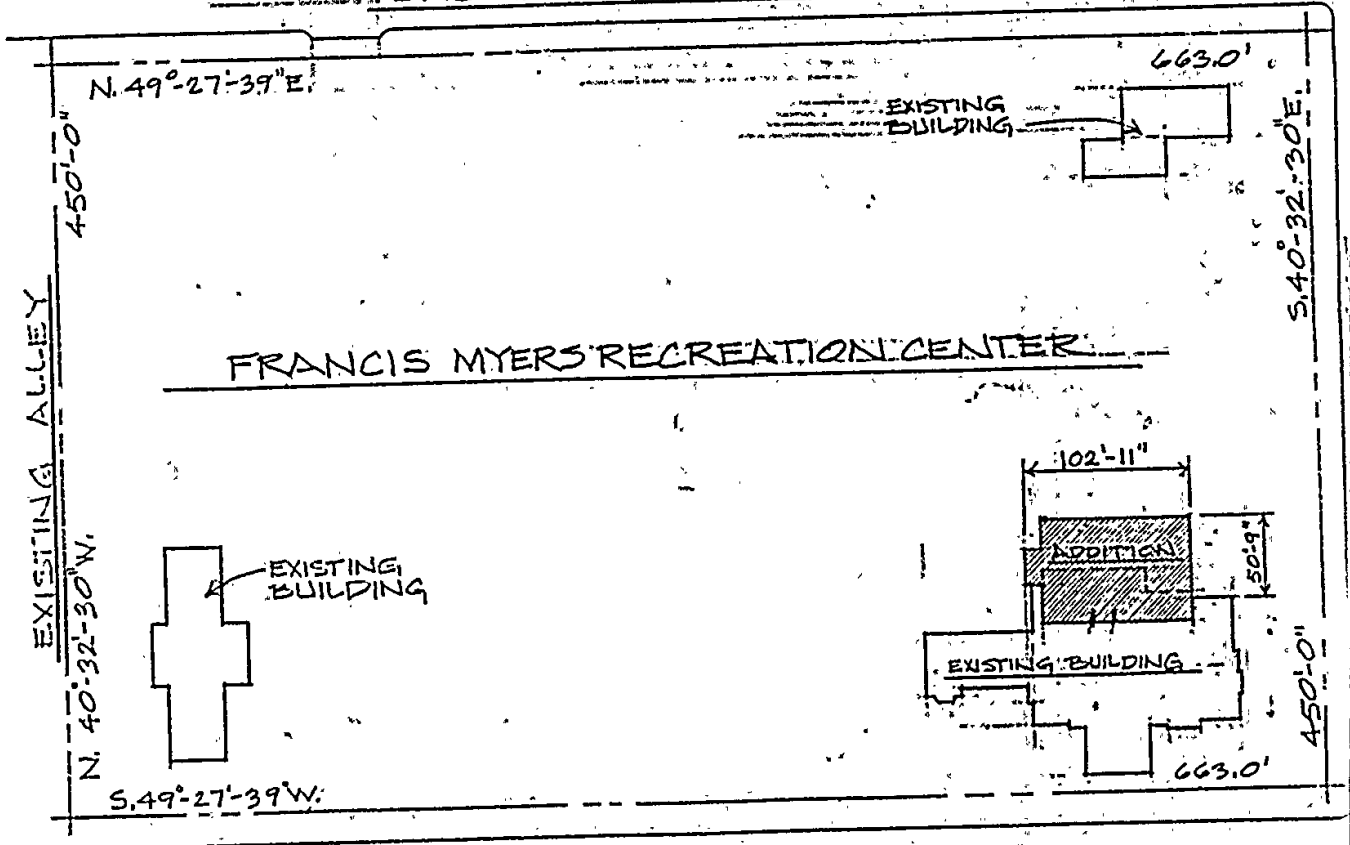
REFERRAL TO ZONING BOARD OF ADJUSTMENT		APPLICATION NUMBER 22606	
		DISTRICT R-5 Res.	PLATE 3A-1
TO ZONING BOARD OF ADJUSTMENT ROOM 410, MUNICIPAL SERVICES BUILDING	Application Number 8/19/80	is hereby referred to the BOARD OF ADJUSTMENT.	
APPLICANT City of Phila.			
ADDRESS Municipal Services Bldg., 15th & Arch Sts.		PHONE	
LOCATION OF PROPERTY Block bounded by 58th, Kingsessing & Chester Ave.			
PROPOSED USE The extension of a recreation center to include use of new construction.			
REMARKS The extension of a recreational center requires a certificate from the ZBA in the R-5 Res. Dist. See Section 14-206 (1) See App. 252564, Cal. 1598, ZBA approved extension of recreational center 4/4/67. See App. 26077, Cal. 74-0138, ZBA approved inground pool accessory to recreational center 4/30/74. <i>USE HAS BEEN REFUSED</i> 			
SIGNATURE		FOR THE COMMISSIONER	

NOTICE TO APPLICANT

An appeal from this referral must be taken with the Zoning Board of Adjustment in Room 410, Municipal Services Building before you may legally proceed.

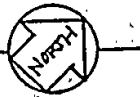
STEPHEN MARK GOLDNER ASSOCIATES Architects • Land Planners
 308 Walnut Street, Philadelphia, Pennsylvania 19106 215 922 6446

CHESTER AVENUE



SITE PLAN

SCALE 1"=100'-0"



AREA OF SITE $663 \times 450 = 298,350$ #

AREA OF ADDITION = ~~19,150~~
4000



Registration: NCARB • Pennsylvania • New Jersey • Delaware • Maryland • Virginia • Florida

PETITION OF APPEAL
 CITY OF PHILADELPHIA
 ZONING BOARD OF ADJUSTMENT
 ROOM 410 MUNICIPAL SERVICES BUILDING

LOCATION OF PROPERTY (For Z.B.A. Use Only)
 5800 Bl. Chester Ave. block bounded by Kings Hwy
 80-1165 Hearing Date: 9/18/80 Chester

SEND NOTICES TO **PAUL RUCCI**

ADDRESS **1500 MSB**

ATTORNEY (If any)

ADDRESS

OWNER (Appellant)
 LESSOR
 AGENT **RECREATION DEPT.**

ADDRESS **CITY OF PHILA**

PERSON FILING THIS APPEAL
STEPHEN COUDNER ASSOC - ARCHITECTS

IF APPELLANT IS NOT OWNER, LESSEE, OR AGENT, STATE HIS INTEREST
ARCHITECT

APPEAL IS TAKEN FROM THE ACTION OF THE DEPARTMENT OF LICENSES IN REFUSAL GRANTING OF PERMIT FOR

Erection of a one story addition proposing approximately 4,000 sq. ft. for said recreation center and proposing no off-street parking area.

STATE OBJECTIONS TO ACTION OF DEPARTMENT OF LICENSES & INSPECTIONS

The refusal is unfair because the recreation center has been at this location for many years. The zoning board has granted two variances for additions and swimming pool for the center, the addition is part of the recreations center's ability to handle the neighborhoods expanding programs, the addition in no way affect the health and welfare of the community, it will in fact benefit the health and welfare of the community.

1 sec 272-264

3/17 approved 10/20/80

2-2nd APD 2/2/87

I hereby certify that the statements contained herein are true and correct to the best of my knowledge and belief. I understand that if I knowingly make any false statements herein I am subject to such penalties as may be prescribed by law or ordinance.

Stephen Coudner (Signature)

FOR ZONING BOARD USE ONLY

CALENDAR NO. 80-1165	TIME SET FOR PUBLIC HEARING <input checked="" type="checkbox"/> 9:30 A.M.	RECEIPT NO. None	L. & I. APPLIC. NO. 22606
ON (Date) Thursday, September 18, 1980	IN 603 City Hall Annex, Juniper & Filbert Sts.	APPEAL FEES Fee Waived	DATE OF APPEAL 8/19/80

- AVOID UNNECESSARY DELAY BY CAREFUL READING OF THE ATTACHED INSTRUCTIONS. **al**
- YOUR ATTENTION IS DIRECTED TO PROVISIONS ON POSTING REQUIREMENTS AND PERSONS ENTITLED TO APPEAR BEFORE THE BOARD

DRAW PLANS ON SPACE BELOW

PLANS TO BE DRAWN IN INK. SHOW:

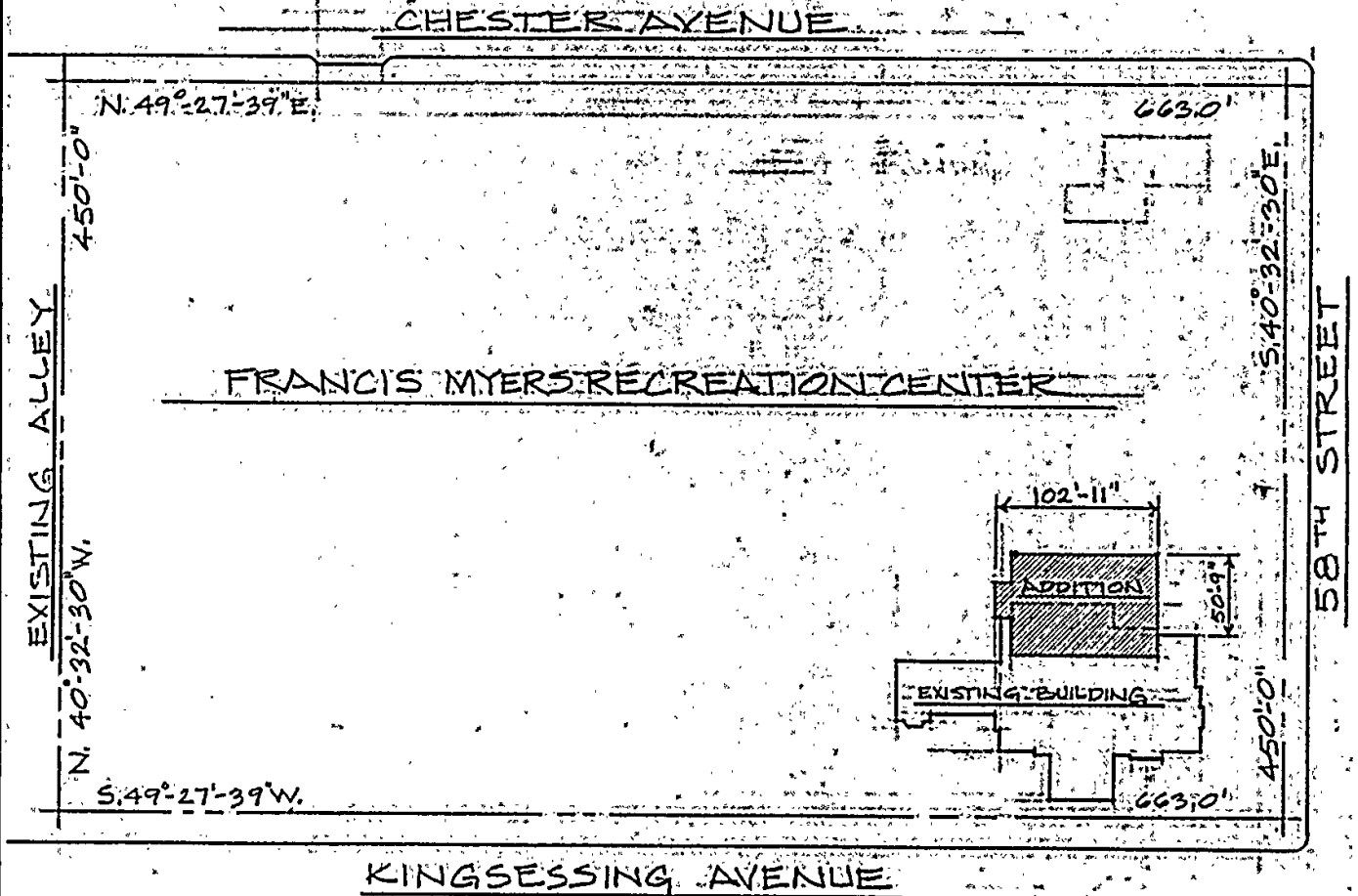
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2. All streets and alleys bounding property.
3. Curb lines and their distances from lot lines.
4. Location and dimensions of all driveways, curb cuts and off-street parking lots.
5. Distances from building to lot lines and to other buildings on same lot.
6. Draw elevations and additional plans when required.

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(Applicant Sign Here)

STEPHEN MARK GOLDNER ASSOCIATES Architects • Land Planners
 308 Walnut Street, Philadelphia, Pennsylvania 19106 215 922 6446



SITE PLAN

SCALE 1"=100'-0"



AREA OF SITE $663 \times 450 = 298,350 \text{ sq ft}$
 AREA OF ADDITION = ~~8753~~ 4000
 ADDITIONAL PARKING = NONE



Registration: NCARB • Pennsylvania • New Jersey • Delaware • Maryland • Virginia • Florida

**NOTICE OF REFUSAL
OF PERMIT.**

CITY OF PHILADELPHIA
DEPT. OF LICENSES & INSPECTIONS
PUBLIC SERVICE CONCOURSE
MUNICIPAL SERVICES BUILDING

APPLICATION DATE APPLICATION NO.

DATE OF REFUSAL

LOCATION 500 N. Broad St. Dist. 1

APPLICANT City of Phila. ADDRESS Municipal Services Bldg., 15th & Arch

THE APPLICATION FOR A 1 Use PERMIT FOR THE ABOVE LOCATION HAS BEEN REFUSED BECAUSE THE PROVISIONS OF THE PHILADELPHIA CODE HAVE NOT BEEN COMPLIED WITH IN THE FOLLOWING PARTICULARS:

PHILADELPHIA CODE REFERENCE REASONS FOR REFUSAL

See Section 11-1102 (7)(c)

USE: The application is for the erection of a one story addition proposing approximately 4,000 sq. ft. for said recreation center and proposing no off-street parking area, whereas an addition to a recreation center of 4,000 sq. ft. is required to provide 4 off-street parking slots each 10' x 20'.

REMARKS: 1 Reference to ZBA
1 Use Refusal

See App. 252568, Cal. 1598, ZBA approved extension of a recreational center 9/4/67.

See App. 26077, Cal. 74-0459, ZBA approved inground pool accessory to a recreational center 4/30/74.

Signed A. Cerpan
Plan Examiner

Signed _____
Section Supervisor

AN APPEAL FROM A:

Zoning Section refusal may be made to the Zoning Board of Adjustment, Room 410, Municipal Services Building, within ten (10) days on forms furnished by that Board.

Building Code refusal may be made to the Department of Licenses and Inspections, Construction Section. A hearing will be scheduled with the Board of Building Standards.

Fire Code refusal may be made to the Board of Safety and Fire Prevention. ATTENTION: Deputy Commissioner, Fire Prevention, 3rd & Spring Garden Streets, Philadelphia, Pa. 19123, within thirty (30) days on forms furnished by that Board.

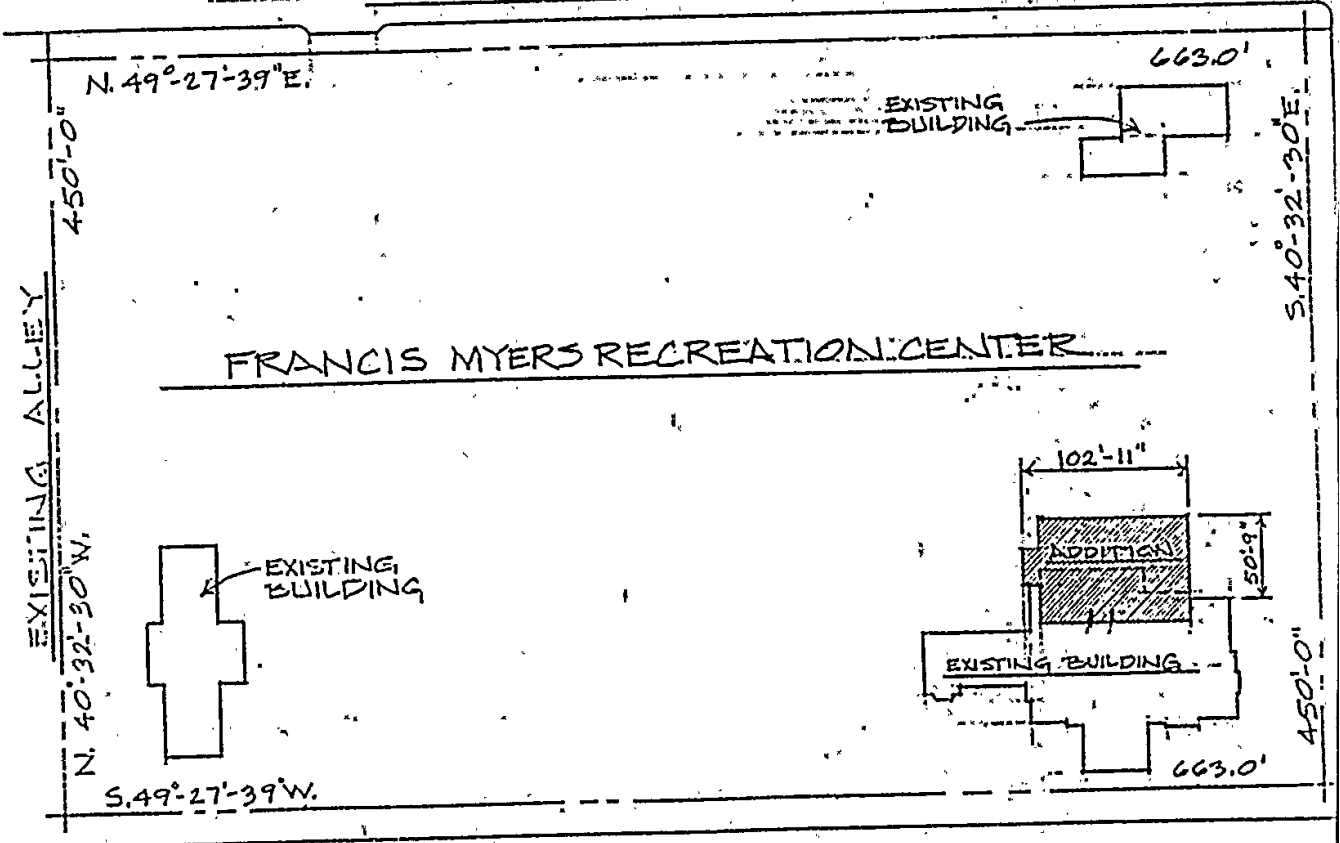
Electrical Code refusal may be made to the Electrical Code Advisory Board, Room 713, City Hall Annex, Philadelphia, Pa. 19107, within ten (10) days on forms furnished by that Board.

Highway Sign or Housing refusal may be made to the Board of L & I Review, Room 725, City Hall Annex, within ten (10) days on forms furnished by that Board.

All costs, if any, in connection with advertising hearings are to be borne by the applicant.

STEPHEN MARK GOLDNER ASSOCIATES Architects • Land Planners
 308 Walnut Street, Philadelphia, Pennsylvania 19106 215 922 6446

CHESTER AVENUE



SITE PLAN

SCALE 1"=100'0"



AREA OF SITE $663 \times 450 = 298,350 \text{ sq ft}$

AREA OF ADDITION = ~~9153~~ 4000



Registration: NCARB • Pennsylvania • New Jersey • Delaware • Maryland • Virginia • Florida

NOTICE OF DECISION

CITY OF PHILADELPHIA
 ZONING BOARD OF ADJUSTMENT
 ROOM 410 MUNICIPAL SERVICES BUILDING
 PHILADELPHIA, PENNSYLVANIA 19107

APPLICATION NO. 22606	CERTIFICATE NO. EX-152 & VA-1874	DATE OF DECISION 10/2/80	BOARD OF ADJ. APPEAL NO. EX-167 & AP-2348
APPLICANT CITY OF PHILA.		ADDRESS MUNICIPAL SERVICES BLDG., 15TH & ARCH	
OWNER CITY OF PHILA., DEPT. OF REC.		ADDRESS MUNICIPAL SERV. BLDG.	
ATTORNEY RONALD H. BEIFELD, ASST. CITY COLLECTOR, ATTY.		ADDRESS 1580 M.S.B.	
LOCATION OF PROPERTY 5800 EL. CHESTER AVENUE BLOCK BOUNDED BY KINGESSING & CHESTER AVENUE			

THIS IS NOT A PERMIT

The Zoning Board of Adjustment, having held a public hearing in the above numbered appeal, after proper public notice thereof, has decided to

- GRANT A VARIANCE GRANT A CERTIFICATE
 REFUSE A VARIANCE REFUSE A CERTIFICATE

ALL VARIANCES OR CERTIFICATES GRANTED HEREIN ARE SUBJECT TO THE FOLLOWING CONDITIONS:

1. A PERMIT MUST BE OBTAINED FROM THE DEPARTMENT OF LICENSES AND INSPECTIONS, PUBLIC SERVICE CONCOURSE, MUNICIPAL SERVICES BUILDING, WITHIN ONE CALENDAR YEAR FROM THE DATE OF THIS DECISION.
2. ALL CONSTRUCTION MUST BE IN ACCORDANCE WITH PLANS APPROVED BY THE ZONING BOARD OF ADJUSTMENT.
3. A NEW APPLICATION AND A NEW PUBLIC HEARING WILL BE REQUIRED FOR FAILURE TO COMPLY WITH ALL OF THE FOREGOING CONDITIONS.
4. FURTHER CONDITIONS:

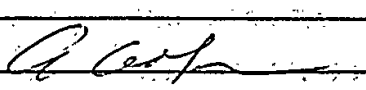
(ONE USE CERTIFICATE
 ONE USE REGISTRATION PERMIT)
 al

By order of the BOARD OF ADJUSTMENT

Leroy T. Burroughs

LEROY T. BURROUGHS, Sec.

NOTE: All appeals from this decision are to be taken to the Court of Common Pleas of Philadelphia County within 30 days from the date of this decision.

REFERRAL TO ZONING BOARD OF ADJUSTMENT		APPLICATION NUMBER 22606
		DISTRICT R-5 Res.
		PLATE 3A-1
TO ZONING BOARD OF ADJUSTMENT ROOM 410, MUNICIPAL SERVICES BUILDING	Application Number 8/19/80	Is hereby referred to the BOARD OF ADJUSTMENT.
APPLICANT City of Phila.		
ADDRESS Municipal Services Bldg., 15th & Arch Sts.		PHONE
LOCATION OF PROPERTY Block bounded by 58th, Kingsessing & Chester Ave.		
PROPOSED USE The extension of a recreation center to include use of new construction.		
REMARKS The extension of a recreational center requires a certificate from the ZBA in the R-5 Res. Dist.		
See Section 14-206 (1)		
See App. 252564, Cal. 1598, ZBA approved extension of recreational center 4/4/67.		
See App. 26077, Cal. 74-0438, ZBA approved inground pool accessory to recreational center 1/30/74.		
USE HAS BEEN REFUSED		
		
SIGNATURE		FOR THE COMMISSIONER

NOTICE TO APPLICANT

An appeal from this referral must be taken with the Zoning Board of Adjustment in Room 410, Municipal Services Building before you may legally proceed.

REFERRAL TO ZONING BOARD OF ADJUSTMENT		APPLICATION NUMBER 22606	
		DISTRICT R-5 Res.	PLATE 3A-1
TO ZONING BOARD OF ADJUSTMENT ROOM 410, MUNICIPAL SERVICES BUILDING	Application Number 8/19/80		is hereby referred to the BOARD OF ADJUSTMENT.
APPLICANT City of Phila.			
ADDRESS Municipal Services Bldg., 15th & Arch Sts.			PHONE
LOCATION OF PROPERTY Block bounded by 58th, Kingsessing & Chester Ave.			
PROPOSED USE The extension of a recreation center to include use of new construction.			
REMARKS The extension of a recreational center requires a certificate from the ZBA in the R-5 Res. Dist. See Section 14-206 (1) See App. 252564, Cal. 1598, ZBA approved extension of recreational center 4/4/67. See App. 26077, Cal. 74-0138, ZBA approved inground pool accessory to recreational center 1/30/74. <i>G. G. G. G.</i>			
SIGNATURE		FOR THE COMMISSIONER	

NOTICE TO APPLICANT

An appeal from this referral must be taken with the Zoning Board of Adjustment in Room 410, Municipal Services Building before you may legally proceed.

REFERRAL TO ZONING BOARD OF ADJUSTMENT		APPLICATION NUMBER 22606
		DISTRICT RS102
		PLATE 3c-1
TO ZONING BOARD OF ADJUSTMENT ROOM 410, MUNICIPAL SERVICES BUILDING	Application Number 8/18/68	Is hereby referred to the BOARD OF ADJUSTMENT.
APPLICANT CITY of Philadelphia		
ADDRESS Municipal Services Bldg. RECREATION DEPT		PHONE
LOCATION OF PROPERTY Block bounded by 58th, Kingsessing & Chelten		
PROPOSED USE RE		
REMARKS The extension of a recreational center to include use of new construction		
REMARKS The extension of a recreational center requires a Certificate from the ZBA in the RS102 District.		
REMARKS See section 14-200 paragraph 1		
REMARKS 1- See APP 252564 cal 1598 1598 BOTA approved extension of recreational center 4-4-67		
REMARKS 2- See APP 26077 cal 74-043P BOTA app. in ground pool acc to recreational center 4-30-74		
SIGNATURE		FOR THE COMMISSIONER

NOTICE TO APPLICANT

An appeal from this referral must be taken with the Zoning Board of Adjustment in Room 410, Municipal Services Building before you may legally proceed.

PHILADELPHIA ART COMMISSION
1329 City Hall Annex
Philadelphia, Penna. 19107

MU-6-4470 or 4463

DATE - 6-13-78

I. NAME OF PROJECT AND LOCATION

FRANCIS MYERS RECREATION CENTER
58th Street and Kingsessing Avenue

(Total cost estimate - \$220,000.)

SUBMISSION NO. #83-78

DATE SUBMITTED 5-17-78

DATE REVIEWED 6-13-78

II. TYPE OF PROPOSAL (UNDERLINED)

- A - NEW CONSTRUCTION OR ADDITION TO BUILDING
- B - RENOVATIONS TO EXISTING BUILDING OR STRUCTURE
- C - PROPOSED NEW SIGN - CANOPY - PENTEAVE
- D - EXISTING SIGN - CANOPY - PENTEAVE
- E - OTHER EXISTING APPENDAGE TO BUILDING
- F - PROPOSED SCULPTURE - PAINTING - OTHER ART FOR
- G - MISCELLANEOUS ADDITIONAL PROPOSALS

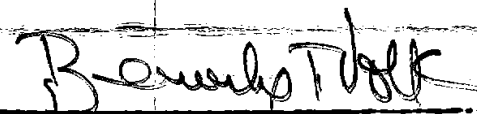
III. DECISION OF THE COMMISSION

- A - PRELIMINARY APPROVAL INDICATED
- B - FINAL APPROVAL INDICATED SUBJECT TO RECOMMENDATION NOTED BELOW
- C - APPROVED SUBJECT TO RECOMMENDATIONS NOTED BELOW
- D - DISAPPROVED SEE RECOMMENDATIONS NOTED BELOW
- E - DECISION WITHHELD PENDING FURTHER STUDY AS NOTED BE

IV. EXPLANATORY REMARKS

Final approval is granted subject to the recommendation that the roof on the new structure match the existing roof on the old building, as discussed when this project was reviewed.

v/efp


BEVERLY T. VOLK, Executive Secretary
Philadelphia Art Commission

Original sent to: Stephen Mark Goldner, Architect
Copies sent to : Lance Kraemer, Architect, Firm of Stephen Mark Goldner
Alvin Zion, Director of Planning and Construction, Dept. of Recreation
Peter von Chamler, Landscape Architect, Dept. of Recreation

NOTICE OF REFUSAL OF PERMIT	CITY OF PHILADELPHIA DEPT. OF LICENSES & INSPECTIONS SECOND FLOOR, CITY HALL ANNEX	APPLICATION DATE	APPLICATION NO. 22606
		DATE OF REFUSAL 8/19/80	

LOCATION 5800 bl. Chester Ave, Lock bounded by Kingsessing & Chester Ave. is in an R-5 Res. Dist.

APPLICANT City of Phila. ADDRESS Municipal Services Bldg., 15th & Arch

THE APPLICATION FOR A 1 Use PERMIT FOR THE ABOVE LOCATION HAS BEEN REFUSED BECAUSE THE PROVISIONS OF THE PHILADELPHIA CODE HAVE NOT BEEN COMPLIED WITH IN THE FOLLOWING PARTICULARS:

PHILADELPHIA CODE REFERENCE REASONS FOR REFUSAL

See Section 14-1402 (7)(c)

USE: The application is for the erection of a one story addition proposing approximately 4,000 sq. ft. for said recreation center and proposing no off-street parking area, whereas an addition to a recreation center of 4,000 sq. ft. is required to provide 4 off-street parking slots each 10' x 20'.

REMARKS; 1 Reference to ZBA
1 Use Refusal

See App. 25256H, Cal. 1598, ZBA approved extension of a recreational center 9/4/67.

See App. 26077, Cal. 74-0458, ZBA approved inground pool accessory to a recreational center 4/30/74.

Signed A. Anderson
Plan Examiner

Signed _____
Section Supervisor

USE
ZONING

INSTRUCTIONS FOR ISSUANCE OF PERMIT OR PERMITS

For partial demolition of Existing Building and erection of Addition, structure, garage, accessory to a single family dwelling with accessory _____, garage, size and location, as shown in the application. Authorized by and subject to the conditions of Board of Adjustment Certificate, EX 152, via 1874

USE

For extension of _____ single family dwelling with accessory, _____, garage, size and location, equipment and capacity as shown in the application, to include use of new construction for _____ Authorized by and subject to the conditions of Board of Adjustment Certificate, _____

Issued by 1 Use - 1208 700 700 5800 fee attached

Authorized by [Signature]
1-19-80

22768

C APPLICATION FOR ZONING PERMIT AND/OR USE REGISTRATION PERMIT
 CITY OF PHILADELPHIA
 DEPARTMENT OF LICENSES & INSPECTIONS

NOTE: The requirements for this permit are in addition to all others required by law or regulation. The issuance of this permit does not imply that a building permit or other permits will be issued if the specifications do not conform with the Building Code, Plumbing Code, Housing Code, Fire Code and all other pertinent laws or regulations.

Application is hereby made for the permit or permits required by the Philadelphia Zoning Ordinance before commencing the use or the work described herein, and as shown on accompanying plan.

APPLICATION NO. **22808**

LOCATION OF PROPERTY (Street and House Number)
5800 TO 5916 CHESTER AVE.

DISTRICT DESIGNATION: **RSU2**

situated on _____ side of _____ Street

ZONING MAP NO. **30-1** SUB.

at the distance of _____ feet _____ inches from _____ side

F. A. VOL. PL. **17-1618** WARD

of _____ Street

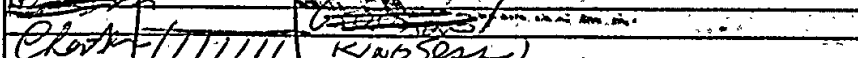
PREVIOUS APPLICATION **252584**

Front _____ feet _____ inches. Depth _____ feet _____ inches.

CALENDAR NO.

If lot is irregular in shape, give deed description below:

ZONING REFUSED

5824


USE REFUSED

RECEIVED

APPEAL

EXPLAIN ANY ALTERATIONS OR PROPOSED CONSTRUCTION

APP. GRANTED CERT.

PARTIAL DEMOLITION

APP. REFUSED CERT.

STORIES AND HEIGHTS FROM GROUND TO ROOF

REF. TO B. OF A.

HEIGHT	EXISTING BUILDING			PROPOSED ADDITION, ALTERATION OR NEW BUILDING		
	FRONT	SIDE	REAR	FRONT	SIDE	REAR
In. Feet						
In. Stories						

REF. GRANTED CERT.

REF. REFUSED CERT.

THIS SPACE FOR OFFICIAL STAMP
 DEPT. OF LIC. & INSPECTIONS
 CITY OF PHILADELPHIA
 ZONING PERMIT
 NO. **254857**
 DATE **8-20-58**

TABULATION OF USES

PERMIT GRANTED IN ACCORDANCE WITH ZBA

FLOOR NO.	PRESENT USE		LAST PREVIOUS USE	DATE LAST USED
	USE	DATE		
	RECREAT. CENT.			

CERTIFICATE NO. _____

FLOOR NO.	PROPOSED USE OF PRESENT BUILDING		PROPOSED USE OF ADDITION OR NEW BUILDING	
	USE	DATE	USE	DATE
	RECREAT. CENT.			

Additional use information, if required

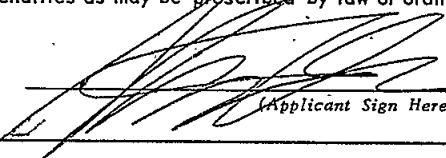
OWNER CITY OF PHILA	ADDRESS	PHONE
ARCHITECT OR ENGINEER STEPHEN BLOVER	ADDRESS 308 WALNUT	PHONE
CONTRACTOR	ADDRESS	PHONE
APPLICANT STEPHEN BLOVER	ADDRESS 308 WALNUT	PHONE

DRAW PLANS ON SPACE BELOW

PLANS TO BE DRAWN IN INK. SHOW:

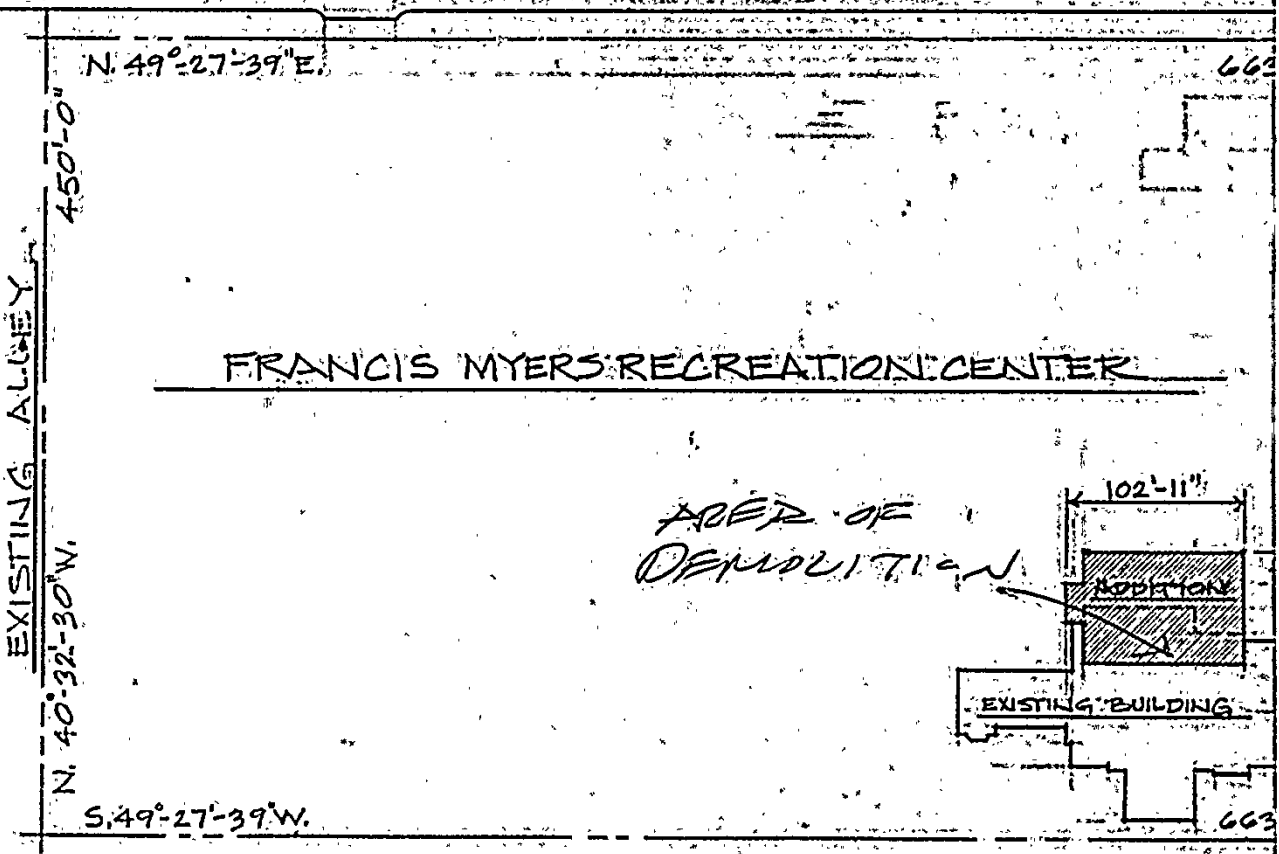
1. All lot lines and dimensions.
2. All streets and alleys bounding property.
3. Curb lines and their distances from lot lines.
4. Location and dimensions of all driveways, curb cuts and off-street parking lots.
5. Distances from building to lot lines and to other buildings on same lot.
6. Draw elevations and additional plans when required.

"I hereby certify that the statements contained herein are true and correct to the best of my knowledge and belief. I further certify that I am authorized by the owner to make the foregoing application, and that, before I accept any permit for which this application is made, the owner shall be made aware of all the conditions of the permit. I understand that if I knowingly make any false statement herein I am subject to such penalties as may be prescribed by law or ordinance."


(Applicant Sign Here)

STEPHEN MARK GOLDNER ASSOCIATES Architects • Land Planners
308 Walnut Street, Philadelphia, Pennsylvania 19106 215 922 6446

CHESTER AVENUE



FRANCIS MYERS RECREATION CENTER

AREA OF
DEMOLITION

102'-11"

ADDITION

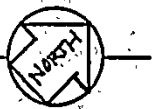
EXISTING BUILDING

S. 49°-27'-39" W.

KINGESSING AVENUE

SITE PLAN

SCALE 1"=100'-0"



AREA OF SITE 663 x 450 = 298,350 #
AREA OF ADDITION = 6158 #
ADDITIONAL PARKING - NONE



Registration: NCARB • Pennsylvania • New Jersey • Delaware • Maryland • Virginia • Florida

APPLICANT! Do not use this sheet

EXAMINER'S REPORT

DISTRICT		TYPE OF PROPERTY <input type="checkbox"/> Corner <input type="checkbox"/> Attached <input type="checkbox"/> Semi-Detached <input type="checkbox"/> Detached				
DWELLING <input type="checkbox"/> Yes <input type="checkbox"/> No	HOW MANY FAMILIES	HOW MANY STORIES	USE APPLIED FOR	ACCESSORY	TO WHAT USE	
AREAS AND DIMENSIONS	Req. or Permitted	%	Req. when used	Existing	Proposed	%
Lot area						
Occupied area						
Area rear yard						
" inner court						
Total open area						
Set-back front						
Set-back side						
Rear yard - depth						
Side yard, minimum width						
" " aggregate width						
Open court - width						
Court between wings - width						
Inner court - least dimension						
Height - front						
" - side						
" - rear						
" - garage						
Garage - inner dimensions						
IS USE PERMITTED IN THIS DISTRICT <input type="checkbox"/> Yes <input type="checkbox"/> No		UNDER WHAT PROVISION				
IF USE IS NOT PERMITTED IN THIS DISTRICT, UNDER WHAT PROVISION IS IT PERMITTED						

ZONING PERMIT			USE PERMIT				
<input type="checkbox"/> Grant	<input type="checkbox"/> Refuse	<input type="checkbox"/> Refer	<input type="checkbox"/> Not Required	<input type="checkbox"/> Grant	<input type="checkbox"/> Refuse	<input type="checkbox"/> Refer	<input type="checkbox"/> Not Required

REMARKS
Reel App 252564
Use 115716 *Approved For Rec*
Carter

DATE OF EXAMINATION	EXAMINER (Signature)
---------------------	----------------------

INSPECTOR'S REPORT

DATE OF INSPECTION	INSPECTOR (Signature)
--------------------	-----------------------

NOTICE OF REFUSAL OF PERMIT	CITY OF PHILADELPHIA DEPT. OF LICENSES & INSPECTIONS SECOND FLOOR, CITY HALL ANNEX	APPLICATION DATE	APPLICATION NO.
		DATE OF REFUSAL	
LOCATION			
APPLICANT		ADDRESS	
THE APPLICATION FOR A _____ PERMIT FOR THE ABOVE LOCATION HAS BEEN REFUSED BECAUSE THE PROVISIONS OF THE PHILADELPHIA CODE HAVE NOT BEEN COMPLIED WITH IN THE FOLLOWING PARTICULARS:			
PHILADELPHIA CODE REFERENCE	REASONS FOR REFUSAL		
		Signed _____ Plan Examiner	
		Signed _____ Section Supervisor	

INSTRUCTIONS FOR ISSUANCE OF PERMIT OR PERMITS

ZONING

M Recreation Center
 For partial demolition of ~~Existing Building~~ and erection of ~~Addition, structure, garage,~~ accessory to a _____
 single family dwelling with accessory _____; garage, size and location, as shown in the application.
 Authorized by and subject to the conditions of Board of Adjustment Certificate, _____

USE

For extension of _____ single family dwelling with
 accessory, _____, garage, size and location, equipment and capacity as shown in the application, to include
 use of new construction for _____
 Authorized by and subject to the conditions of Board of Adjustment Certificate, _____

Issued by *120114 - NO Fee* Authorized by *[Signature]*
8-19-80

C APPLICATION FOR ZONING PERMIT AND/OR USE REGISTRATION PERMIT

CITY OF PHILADELPHIA
DEPARTMENT OF LICENSES & INSPECTIONS

NOTE: The requirements for this permit are in addition to all others required by law or regulation. The issuance of this permit does not imply that a building permit or other permits will be issued if the specifications do not conform with the Building Code, Plumbing Code, Housing Code, Fire Code and all other pertinent laws or regulations.

Application is hereby made for the permit or permits required by the Philadelphia Zoning Ordinance before commencing the use or the work described herein, and as shown on accompanying plan.

LOCATION OF PROPERTY (Street and House Number)

Myers Recreation Center, City of Philadelphia

situated on South side of Chester Avenue Street

at the distance of _____ feet _____ inches _____ from _____ side of at the southwest corner of 58th Street & Chester Ave.

Front 663 feet 0 inches. Depth 450 feet 0 inches.

If lot is irregular in shape, give deed description below:
AND INC. 18

FEB 22 1974

~~REISSUE~~ ISSUANCE

EXPLAIN ANY ALTERATIONS OR PROPOSED CONSTRUCTION

New concrete in-ground swimming pool and concrete paving at grade level with accessory filter house and chain-link fence around pool - Accessory to existing recreation center.

Demolition of existing vacant building (former orphanage)

STORIES AND HEIGHTS FROM GROUND TO ROOF

HEIGHT	EXISTING BUILDING			PROPOSED ADDITION, ALTERATION OR NEW BUILDING		
	FRONT	SIDE	REAR	FRONT	SIDE	REAR
In Feet.						
In Stories						

TABULATION OF USES

FLOOR NO.	PRESENT USE	LAST PREVIOUS USE	DATE LAST USED
	<u>Recreation center with control building</u>	<u>Presbyterian orphanage</u>	<u>1960</u>
FLOOR NO.	PROPOSED USE OF PRESENT BUILDING	PROPOSED USE OF ADDITION OR NEW BUILDING	
	<u>No change in use</u>	<u>Accessory fenced swimming pool and paving</u>	

Additional use information, if required _____

OWNER <u>City of Philadelphia</u>	ADDRESS <u>Department of Recreation</u>	PHONE <u>MU 6-3624</u>
ARCHITECT OR ENGINEER <u>Nolen & Swinburne Assoc</u>	ADDRESS <u>1624 Locust St., Phila., Pa. 19103</u>	PHONE <u>732-1401</u>
CONTRACTOR _____	ADDRESS _____	PHONE _____
APPLICANT <u>Nolen & Swinburne Assoc (John A. Glen)</u>	ADDRESS <u>1624 Locust St., Phila., Pa. 19103</u>	PHONE <u>732-1401</u>

APPLICATION NO.

260-7

DISTRICT DESIGNATION

R-5-Residential

ZONING MAP NO.

3A-1 + 3-2

P. A. VOL. PL.

17 16 18

PREVIOUS APPLICATION

1614 v/c

CALENDAR NO.

74-0438

ZONING REFUSED

USE REFUSED

APPEAL

4/30/74

APP. GRANTED

CERT.

APP. REFUSED

CERT.

REF. TO B. OF A.

REF. GRANTED

CERT.

REF. REFUSED

CERT.

THIS SPACE FOR OFFICIAL STAMP

(Do not write in this space)
DEPT. OF LIC. & INSPECTIONS

CITY OF PHILADELPHIA

ZONING AND USE REGISTRATION

PERMIT

2/8/74
7-19-74

SIGNATURE

NO.

DRAW PLANS ON SPACE BELOW

26077

PLANS TO BE DRAWN IN INK. SHOW:

1. All lot lines and dimensions.
2. All streets and alleys bounding property.
3. Curb lines and their distances from lot lines.
4. Location and dimensions of all driveways, curb cuts and off-street parking lots.
5. Distances from building to lot lines and to other buildings on same lot.
6. Draw elevations and additional plans when required.

APPROVED BY ART COMMISSION

FEB 22 1974

Beverly T. Wells

"I hereby certify that the statements contained herein are true and correct to the best of my knowledge and belief. I further certify that I am authorized by the owner to make the foregoing application, and that, before I accept any permit for which this application is made, the owner shall be made aware of all the conditions of the permit. I understand that if I knowingly make any false statement herein I am subject to such penalties as may be prescribed by law or ordinance."

John A. Gyles
(Applicant Sign Here)

NOTICE OF DECISION		CITY OF PHILADELPHIA ZONING BOARD OF ADJUSTMENT ROOM 70 MUNICIPAL SERVICES BUILDING PHILADELPHIA, PENNSYLVANIA 19107	
APPLICATION NO. 26077	CERTIFICATE NO. EX-48 & VA-513	DATE OF DECISION 6/24/74	BOARD OF ADJ. APPEAL NO. EX-67 & AP-646
APPLICANT Nolan & Swinborne Assoc.		ADDRESS 1624 Locust Street.	
OWNER City OF Philadelphia, Dept. of Recreation		ADDRESS 1470 Municipal Services Bldg.	
ATTORNEY Ronald H. Beifeld, Esq., Asst. City Solicitor		ADDRESS 1500 Municipal Services Bldg.	
LOCATION OF PROPERTY 58th & Kingsessing Avenue thru to Chester Avenue			

The Zoning Board of Adjustment, having held a public hearing in the above numbered appeal, after proper public notice thereof, has decided to

- | | |
|--|---|
| <input checked="" type="checkbox"/> GRANT A VARIANCE | <input checked="" type="checkbox"/> GRANT A CERTIFICATE |
| <input type="checkbox"/> REFUSE A VARIANCE | <input type="checkbox"/> REFUSE A CERTIFICATE |

All variances or certificates granted herein are subject to the following conditions:

1. A permit must be obtained from the Department of Licenses and Inspections, Public Service Concourse, Municipal Services Building, within one calendar year from the date of this decision.
2. All construction must be in accordance with plans approved by the Zoning Board of Adjustment.
3. A new application and a new public hearing will be required for failure to comply with all of the foregoing conditions.
4. Further conditions:

RECEIVED
DEPT. OF LICENSES
AND INSPECTIONS

JUN 26 1974

ZONING

(USE CERTIFICATE AND
ZONING PERMIT)
B.R.

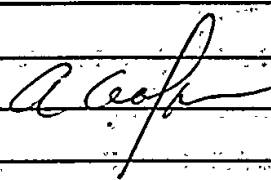
THIS IS NOT A PERMIT

By order of the BOARD OF ADJUSTMENT

Thomas H. Miller

THOMAS H. MILLER, SECRETARY

NOTE: All appeals from this decision are to be taken to the Court of Common Pleas of Philadelphia County within 30 days from the date of this decision.

REFERRAL TO ZONING BOARD OF ADJUSTMENT.		APPLICATION NUMBER 26077	
		DISTRICT R05 Res.	PLATE 3A-1 3-2
TO ZONING BOARD OF ADJUSTMENT ROOM 410, MUNICIPAL SERVICES BUILDING	APPLICANT XXXXXXXX 4/23/74	Is hereby referred to the BOARD OF ADJUSTMENT.	
APPLICANT Nolen & Swinborne Associates			
ADDRESS 1624 Locust St.		PHONE	
LOCATION OF PROPERTY 58th & Kingsessing Ave. thru to Chester Ave.			
PROPOSED USE Extension of a recreation center to include use of new construction for an inground swimming pool with acc. fence and filter .			
REMARKS The extension of a recreation to include use of new construction requires a certificate from the Zoning Board of Adjustment.			
See application 25256-H Cal. W-1598 Board of Adjustment approved recreation center 9/4/63.			
Zoning has been refused.			
			
SIGNATURE		FOR THE COMMISSIONER	

PETITION OF APPEAL
 CITY OF PHILADELPHIA
 ZONING BOARD OF ADJUSTMENT
 ROOM 410 MUNICIPAL SERVICES BUILDING

LOCATION OF PROPERTY (For Z.B.A. Use Only)
 58th & Kingsessing Avenue thru to Chester Avenue

74-0438

SEND NOTICES TO: **Alvin Zion**
 ATTORNEY (If any)

ADDRESS: **1470 Municipal Services Building**

Raymond Kitty, Asst. City Solicitor
 OWNER (Appellant)

ADDRESS: **1500 Municipal Services Building**

Phila. Department of Recreation
 LESSEE

ADDRESS: **1470 Municipal Services Building**

AGENT

PERSON FILING THIS APPEAL
John A. Glen, R.A.

IF APPELLANT IS NOT OWNER, LESSEE, OR AGENT, STATE HIS INTEREST
Nolen & Swinburne Associates

Consulting Architects

APPEAL IS TAKEN FROM THE ACTION OF THE DEPARTMENT OF LICENSES IN: REFUSAL GRANTING OF PERMIT FOR
Building Permit

STATE OBJECTIONS TO ACTION OF DEPARTMENT OF LICENSES & INSPECTIONS:
Department of Recreation wishes to install in-ground swimming pool. State law and the public interest require an 8' high fence.

RECEIVED
 DEPT. OF LICENSES
 AND INSPECTIONS

MAY 23 1974

ZONING

RECEIVED
 MAY 23 1974
 ZONING
 Board of Adjustment

I hereby certify that the statements contained herein are true and correct to the best of my knowledge and belief. I understand that if I knowingly make any false statement herein I am subject to such penalties as may be prescribed by law or ordinance.

X John A. Glen
 (Signature)

FOR ZONING BOARD USE ONLY

CALENDAR NO. 7400438	TIME SET FOR PUBLIC HEARING <input checked="" type="checkbox"/> 9:30 A.M. <input type="checkbox"/> 1:30 P.M.	RECEIPT NO. Fee Waived	L.C. & I. APPLIC. NO. 26077
ON (Date) Tuesday, June 18, 1974	IN 603-City Hall Annex Juniper & Filbert	APPEAL FEES City of Philadelphia	DATE OF APPEAL 4/30/74

• AVOID UNNECESSARY DELAY BY CAREFUL READING OF THE ATTACHED INSTRUCTIONS
Catherine E. Jones

• YOUR ATTENTION IS DIRECTED TO PROVISIONS ON POSTING REQUIREMENTS AND PERSONS ENTITLED TO APPEAR BEFORE THE BOARD



PERMIT SERVICES UNIT

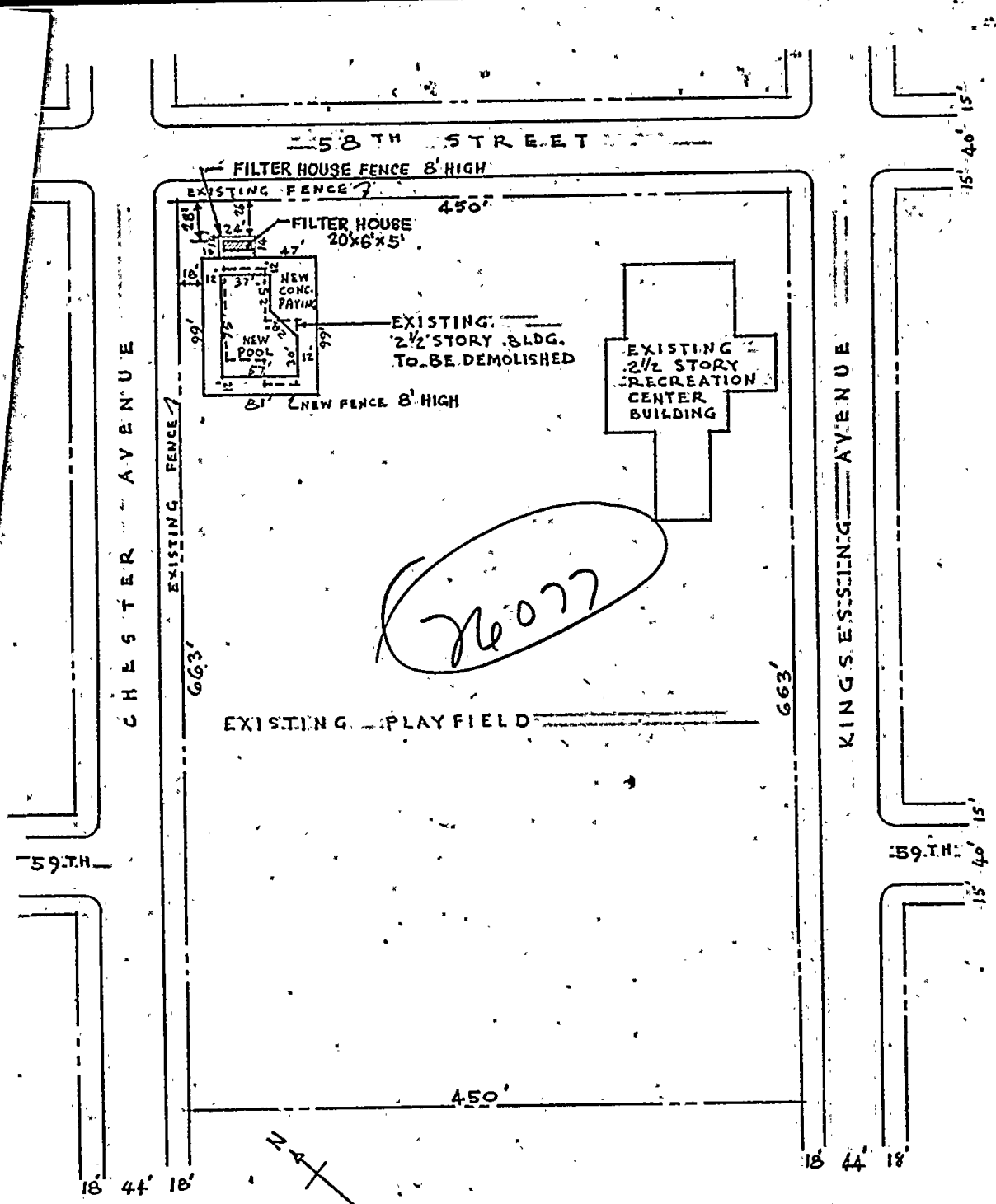
LAWFUL OCCUPANCY CERTIFICATE



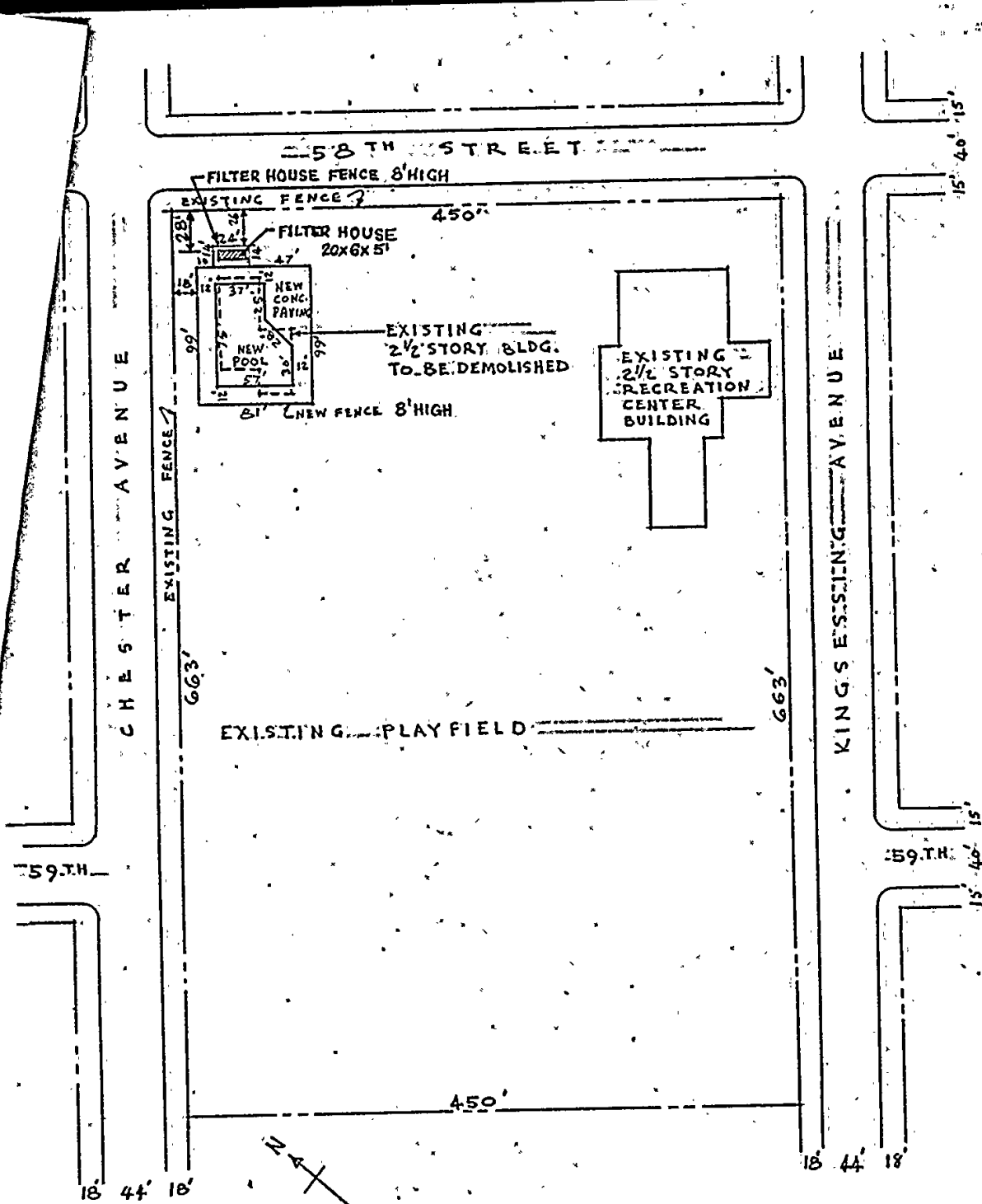
PROPERTY ADDRESS 5800 CHESTER AV.	BUSINESS NAME FRANCIS MYER RECREATION CENTER
FLOOR 2ND FLOOR EAST WING <small>(ALL ROOMS)</small>	NAME OF OWNER CITY OF PHILA. DEPARTMENT OF RECREATION
BUILDING PLAN EXAMINER ROBERT IMREI	DATE MARCH 10, 1997
BUILDING PLAN NUMBER 718-C-97	SIGN NUMBER 718C9701
<input type="checkbox"/> NEW BUILDING <input type="checkbox"/> ALTERATION <input type="checkbox"/> OCCUPANCY CHANGE <input checked="" type="checkbox"/> OTHER L/O SIGN REQUESTED	
In accordance with Chapter 5-601.7 of the Fire Prevention Code, the lawful maximum occupancy is 135 persons. <small>(Number)</small>	
APPROVED: Robert T. Imrei DATE: MARCH 10, 1997 <small>(Signature)</small>	

81-620 (Rev. 10/95)

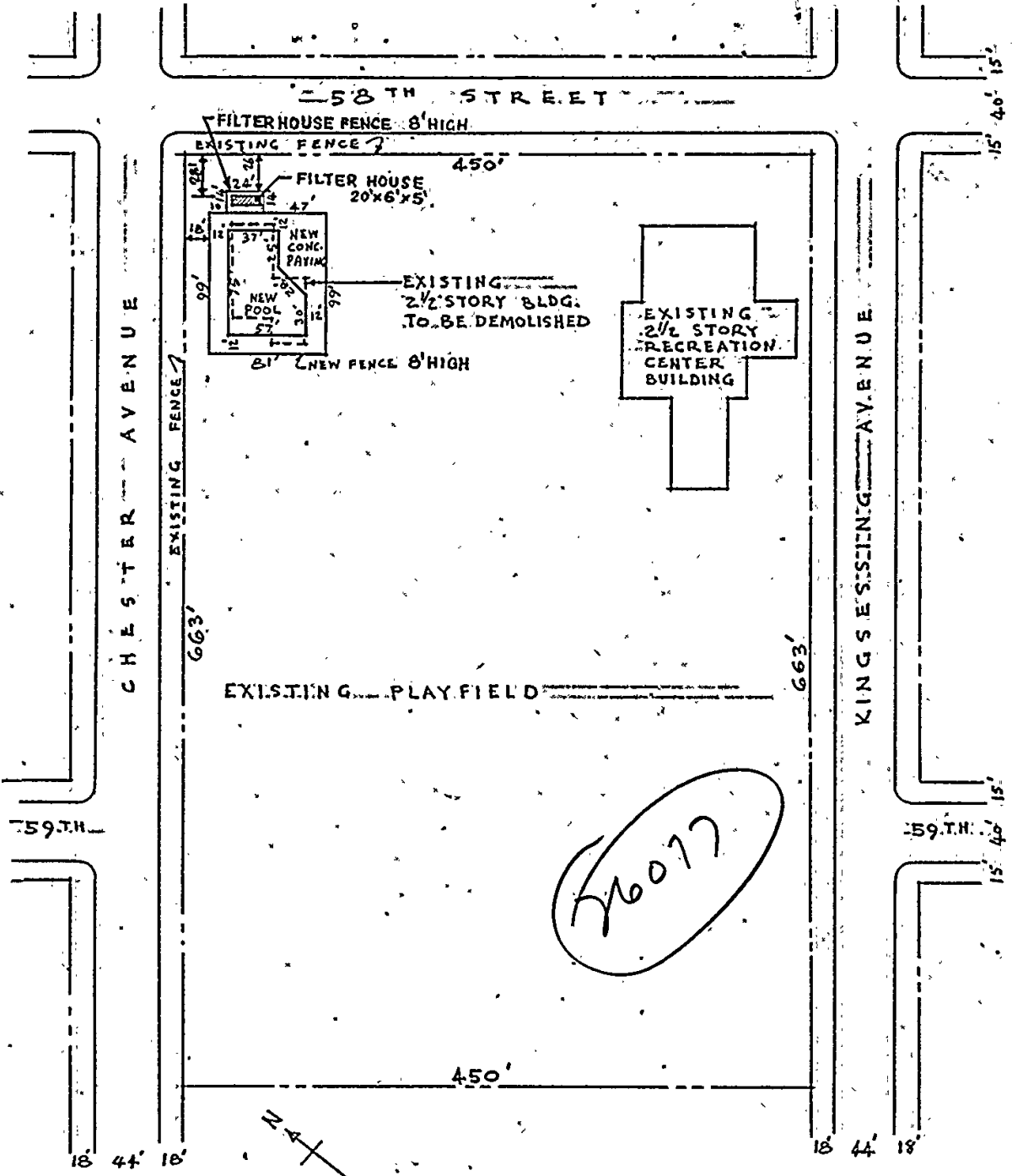
PERMIT SERVICES-ZONING FILE



PLOT PLAN
 SWIMMING POOL
 FRANCIS MYERS
 RECREATION CENTER
 SCALE : 1" = 100'
 22 FEB. 1974



PLOT PLAN
 SWIMMING POOL
 FRANCIS MYERS
 RECREATION CENTER
 SCALE : 1" = 100'
 22 FEB. 1974



.PLOT PLAN
 .SWIMMING POOL
 .FRANCIS MYERS
 .RECREATION CENTER
 SCALE : 1" = 100'
 .22 FEB. 1974

26077

NOTICE OF REFUSAL OF PERMIT	CITY OF PHILADELPHIA DEPT. OF LICENSES & INSPECTIONS SECOND FLOOR, CITY HALL ANNEX	APPLICATION DATE 4/23/74	APPLICATION NO. 26077
		DATE OF REFUSAL 4/23/74	3A-1

LOCATION: 58th & Kingsessing Ave. thru to Chester Ave. is in a R-5 Res. District

APPLICANT Nolen & Swinborne Assoc.	ADDRESS 1624 Locust St.
---------------------------------------	----------------------------


THE APPLICATION FOR A REFERENCE & ZONING PERMIT FOR THE ABOVE LOCATION HAS BEEN REFUSED BECAUSE THE PROVISIONS OF THE PHILADELPHIA CODE HAVE NOT BEEN COMPLIED WITH IN THE FOLLOWING PARTICULARS:

PHILADELPHIA CODE REFERENCE	REASONS FOR REFUSAL
	ZONING: The application is for the erection of an inground pool with acc. filter and fence (size and location to be as shown in the application).

	ALLOWABLE	PROPOSED
Ht. limit of fence within property line	6 ft. 0 in.	8 ft. 0 in.

REMARKS: ONE REFERENCE TO BOARD OF ADJUSTMENT
ONE ZONING REFUSAL

See application 25256-H Cal. W-1598 Board of Adjustment approved recreation center 9/4/68.

Signed  Plan Examiner

Signed _____ Section Supervisor

INSTRUCTIONS FOR ISSUANCE OF PERMIT OR PERMITS

ZONING
For partial demolition of Existing Building and erection of Addition, structure, garage, accessory to a single family dwelling with accessory ^{in ground pool & fence} garage, size and location, as shown in the application. Authorized by and subject to the conditions of Board of Adjustment Certificate, EY YF VA 513 4/23/74

USE
For extension of Recreation Center ~~single family dwelling with accessory~~, garage, size and location, equipment and capacity as shown in the application, to include use of new construction for pool. Authorized by and subject to the conditions of Board of Adjustment Certificate, EY YF VA 513 4/23/74

Issued by NA No Fee Authorized by Z.B.D.
See attached 9/4/74

EXAMINER'S REPORT						
DISTRICT			TYPE OF PROPERTY <input type="checkbox"/> Corner <input type="checkbox"/> Attached <input type="checkbox"/> Semi-Detached <input type="checkbox"/> Detached			
DWELLING <input type="checkbox"/> Yes <input type="checkbox"/> No	HOW MANY FAMILIES	HOW MANY STORIES	USE APPLIED FOR	ACCESSORY	TO WHAT USE	
AREAS AND DIMENSIONS	Req. or Permitted	%	Req. when used	Existing	Proposed	%
Lot area						
Occupied area						
Area rear yard						
" inner court						
Total open area						
Set-back front						
Set-back side						
Rear yard - depth						
Side yard, minimum width						
" " aggregate width						
Open court - width						
Court between wings - width						
Inner court - least dimension						
Height - front						
" - side						
" - rear						
" - garage						
Garage - inner dimensions						
IS USE PERMITTED IN THIS DISTRICT <input type="checkbox"/> Yes <input type="checkbox"/> No		UNDER WHAT PROVISION				
IF USE IS NOT PERMITTED IN THIS DISTRICT, UNDER WHAT PROVISION IS IT PERMITTED						
ZONING PERMIT			USE PERMIT			
<input type="checkbox"/> Grant <input type="checkbox"/> Refuse <input type="checkbox"/> Refer <input type="checkbox"/> Not Required			<input type="checkbox"/> Grant <input type="checkbox"/> Refuse <input type="checkbox"/> Refer <input type="checkbox"/> Not Required			
REMARKS						
DATE OF EXAMINATION			EXAMINER (Signature)			
INSPECTOR'S REPORT						
DATE OF INSPECTION			INSPECTOR (Signature)			

C APPLICATION FOR ZONING PERMIT AND/OR USE REGISTRATION PERMIT

CITY OF PHILADELPHIA
DEPARTMENT OF LICENSES & INSPECTIONS

NOTE: The requirements for this permit are in addition to all others required by law or regulation. The issuance of this permit does not imply that a building permit or other permits will be issued if the specifications do not conform with the Building Code, Plumbing Code, Housing Code, Fire Code and all other pertinent laws or regulations.

Application is hereby made for the permit or permits required by the Philadelphia Zoning Ordinance before commencing the use or the work described herein, and as shown on accompanying plan.

APPLICATION NO. **15-1121C**

DISTRICT DESIGNATION **RES**

ZONING MAP NO. **3-A** SUB.

F. A. VOL. PL. **17-1618** WARD

PREVIOUS APPLICATION **2-819114**

CALENDAR NO.

ZONING REFUSED

USE REFUSED

APPEAL

APP. GRANTED CERT.

APP. REFUSED CERT.

REF. TO B. OF A.

REF. GRANTED CERT.

REF. REFUSED CERT.

LOCATION OF PROPERTY (Street and House Number)

SW 9580 + KINGBOROUGH AVE

situated on _____ side of _____ Street

of the distance of _____ feet _____ inches from _____ Street

of _____ Street

Front _____ feet _____ inches. Depth _____ feet _____ inches.

If lot is irregular in shape, give deed description below:

EXPLAIN ANY ALTERATIONS OR PROPOSED CONSTRUCTION

DOM. OF BULL. C# ONLY.

Joe Blum

STORIES AND HEIGHTS FROM GROUND TO ROOF

HEIGHT	EXISTING BUILDING			PROPOSED ADDITION, ALTERATION OR NEW BUILDING		
	FRONT	SIDE	REAR	FRONT	SIDE	REAR
In Feet						
In Stories						

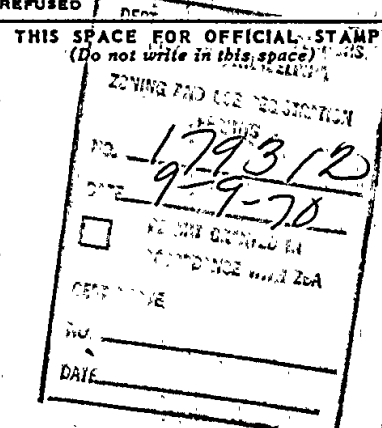
TABULATION OF USES

FLOOR NO.	PRESENT USE	LAST PREVIOUS USE	DATE LAST USED
	RECREATION CENTER		

FLOOR NO.	PROPOSED USE OF PRESENT BUILDING	PROPOSED USE OF ADDITION OR NEW BUILDING
	SAME	

Additional use information, if required _____

OWNER The City of Phila	ADDRESS	PHONE
ARCHITECT OR ENGINEER	ADDRESS	PHONE
CONTRACTOR MAYER POLLACK	ADDRESS POTTES TOWN PK	PHONE
APPLICANT MAYER POLLACK	ADDRESS POTTES TOWN PK	PHONE



DRAW PLANS ON SPACE BELOW

PLANS TO BE DRAWN IN INK. SHOW: f

1. All lot lines and dimensions.
2. All streets and alleys bounding property.
3. Curb lines and their distances from lot lines.
4. Location and dimensions of all driveways, curb cuts and off-street parking lots.
5. Distances from building to lot lines and to other buildings on same lot.
6. Draw elevations and additional plans when required.

"I hereby certify that the statements contained herein are true and correct to the best of my knowledge and belief. I further certify that I am authorized by the owner to make the foregoing application, and that, before I accept any permit for which this application is made, the owner shall be made aware of all the conditions of the permit. I understand that if I knowingly make any false statement herein I am subject to such penalties as may be prescribed by law or ordinance."

(Applicant Sign Here)

City of Philadelphia

*
* N O T I C E O F D E C I S I O N *
*

ZONING BOARD OF ADJUSTMENT
Rm 525, 5th flr, 1600 Arch St.
Philadelphia, Pa 19103-2097

APPLICATION #: 950203044 DATE OF DECISION: 07/21/95 CAL.#: 95-0648

ATTORNEY: TERRILYN R. ELLIOTT, ESQ.
1101 MARKET ST., 10TH FLOOR
PHILA., PA 19107

APPLICANT: PATRICK J. LAMB, EXEC. ASS'T.
MAINTENANCE DIVISION/RECREATION DEP'T.
1600 ARCH ST., 6TH FLOOR
PHILA., PA 19103

OWNER: CITY OF PHILADELPHIA
DEP'T. OF RECREATION
1600 ARCH ST. 6TH FLOOR
PHILA., PA 19103

LOCATION OF PROPERTY: 5800 CHESTER AVE. SWC 58TH ST. THRU TO KINGSESSING

*
* T H I S I S N O T A P E R M I T *
*

The Zoning Board of Adjustment, having held a public hearing in the above numbered appeal, after proper public notice thereof, has decided to:

GRANT A CERTIFICATE

ALL VARIANCES OR CERTIFICATES GRANTED HEREIN ARE SUBJECT TO THE FOLLOWING CONDITIONS:

1. A PERMIT MUST BE OBTAINED FROM THE DEPARTMENT OF LICENSES AND INSPECTIONS, PUBLIC SERVICE CONCOURSE, 1600 ARCH STREET, WITHIN ONE CALENDAR YEAR FROM THE DATE OF THIS DECISION.
2. ALL CONSTRUCTION MUST BE IN ACCORDANCE WITH PLANS APPROVED BY THE ZONING BOARD OF ADJUSTMENT.
3. A NEW APPLICATION AND A NEW PUBLIC HEARING WILL BE REQUIRED FOR FAILURE TO COMPLY WITH ALL OF THE FOREGOING CONDITIONS.
4. FURTHER CONDITIONS:
***PROVISO: MEDICAL WASTE PICK-UP; ALL WORK MUST BE STORED INSIDE THE BLDG.; REMOVE FREE STANDING SIGN AND PLACE IT ON THE BLDG. ON A FLAT WALL SIGN; HEALTH FACILITY TO BE CONFINED TO BLDG. 8-1ST FLOOR.

By order of the ZONING BOARD OF ADJUSTMENT
ROSALIE M. LEONARD, Sec

NOTE: All appeals from this decision are to be taken to the Court of Common Pleas of Phila. County within 30 days from the date of this decision
81-2000 (8/90) copy 3 - Permit Issuance

CITY OF PHILADELPHIA
DEPARTMENT OF LICENSES & INSPECTIONS

L & I - Office Copy SEAL

CERTIFICATE OF USE & OCCUPANCY
FOR
THE PROPERTY LOCATED AT:

5800 CHESTER AVE

USE : COMMUNITY HEALTH FACILITY - FIRST FLOOR
C.O. FOR FIRST FLOOR ONLY.

PROVISIO :

PERMIT NUMBER : 96024

PLAN NUMBER : 4112 C 96

APPLICATION NUMBER : 961112022

USE GROUPS : B.

TYPE OF CONSTRUCTION : 3B

LOCATION OF SPRINKLERS : NONE

STANDPIPES : NONE

This building, situated in CENSUS TRACT: 065, conforms with the plans approved by the Philadelphia Department of Licenses & Inspections and the requirements of THE PHILADELPHIA BUILDING CODE. (The BOCA NATIONAL BUILDING CODE/1990, 11th edition).

APPROVED BY:

BUILDING PLANS EXAMINER:

George M. Atkinson

DATE: 2/24/97

BUILDING INSPECTOR:

Joseph A. DiStasio Jr.

DATE: 1/29/99

HOUSING/FIRE INSPECTOR:

William Walker

DATE: 1/29/99

DISTRICT SUPERVISOR:

RECEIVED BY:

1/29/99, CRP

DATE: 1/29/99

PHILADELPHIA
DEPT. OF LICENSING & INSPECTION
DISTRICT OFFICE #6
430 SOUTH 4TH STREET
PHILADELPHIA, PA 19106

DEPT. OF LICENSING & INSPECTION
DISTRICT OFFICE #6
RECEIVED
FEB 25 1997
PHILADELPHIA



CITY OF PHILADELPHIA

DEPARTMENT OF LICENSES AND INSPECTIONS
1401 JOHN F. KENNEDY BLVD.
PHILADELPHIA PENNSYLVANIA 19103 - 1687

FRANCES EGAN
COMMISSIONER
SHIRLEY Y. HAYES
DEPUTY COMMISSIONER
MARY-RITA D'ALESSANDRO
DEPUTY COMMISSIONER
EDWARD J. McLAUGHLIN
DEPUTY COMMISSIONER

JANUARY 17, 1997

Patrick Lamb, Executive Assistant
Dept. of Recreation - Maintenance Division
City of Philadelphia
1600 Arch Street - 6th flr.
Phila., Pa. 19103

re: 5800 Chester Avenue - Calendar #95-0648

Dear Mr. Lamb:

The Zoning Board of Adjustment has received your letter dated January 14, 1997. In that letter you ask the Board to grant an extension of time on the certificate for the referenced property. You cite a misunderstanding of the procedures as the reason the permit was not secured within one calendar year.

After due deliberation, the Board has granted your request and given an extension until April 14, 1997. Upon receipt of this letter, you may proceed with the permitting process through the Zoning Unit. A copy of this letter will be forwarded to that unit for inclusion in their files.

If you have any questions or need additional information, please contact me at 686-2420.

Sincerely,

Eileen Evans
Assistant Board Administrator

cc: John Barton - Zoning Administrator

File

CITY OF PHILADELPHIA
MEMORANDUM

DATE: November 1, 1995

TO: Captain Robert Rocks, 16th District
Philadelphia Police Department

FROM: Michael K. Maenner, Chief, District Operations MKM
Department of Licenses & Inspections

SUBJECT: CEASE OPERATIONS ORDER 5901 CHESTER AVENUE

This is to inform you that a Cease Operations Order has been issued for the location at 5901 Chester Ave., 11/1/95, Inspector D. Verdi.

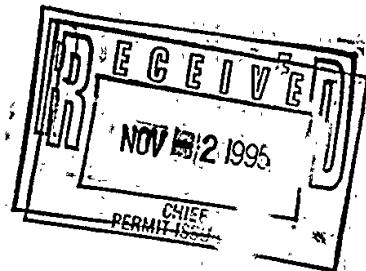
No Certificate of Occupancy.

In accordance with procedures established to enforce these orders, we are requesting that the above Cease Operations Order be included on the daily district patrol. We will notify you immediately upon the discontinuance of the Cease Operations Order.

Thank you for your assistance in this matter.

MKM/aj

cc: Permit Services Division
Joseph Flanagan, Acting District Supervisor, District West
File



C APPLICATION FOR ZONING PERMIT AND/OR USE REGISTRATION PERMIT

CITY OF PHILADELPHIA
DEPARTMENT OF LICENSES AND INSPECTIONS
SECOND FLOOR - CITY HALL ANNEX

NOTE: The requirements for this permit are in addition to all others required by law or regulation. The issuance of this permit does not imply that a building permit or other permits will be issued if the specifications do not conform with the Building Code, Plumbing Code, Fire Code and all other pertinent laws or regulations.

Application is hereby made for the permit or permits required by the Philadelphia Zoning Ordinance before commencing the use or the work described herein, and as shown on accompanying plan.

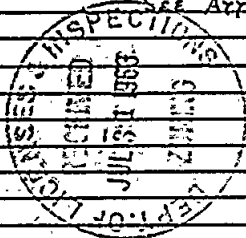
LOCATION OF PROPERTY (Street and House Number)
58 TH ST. FROM KINGSESSING AVE. TO CHESTER AVE.

situated on West side of 58 TH ST. Street
at the distance of _____ feet _____ inches from _____ side
of _____ Street

Front 450 feet 0 inches. Depth 663 feet 0 inches.
If lot is irregular in shape, give deed description below:

See ATTACHED SITE PLAN.

1-



APPLICATION NO. 2525011
DISTRICT DESIGNATION R-5-Residential
ZONING MAP NO. 3A-70 SUB
F. A. VOL. PL. 17 1618 WARD
PREVIOUS APPLICATION 41952F
CALENDAR NO. W-1598
ZONING REFUSED (1) 8-6-63
USE REFUSED
APPEAL 8-7-63
APP. GRANTED 9-4-63 CERT. VA 1742
APP. REFUSED
REF. TO B. OF A. (1) 8-6-63
REF. GRANTED 9-4-63 CERT. EX 296
REF. REFUSED

THIS SPACE FOR OFFICIAL STAMP (Do not write in this space)

DEPARTMENT OF LICENSES AND INSPECTIONS
PHILADELPHIA
USE-REGISTRATION

PERMIT NO. 115766
ISSUED 9-10-63

DEPARTMENT OF LICENSES AND INSPECTIONS
PHILADELPHIA
ZONING PERMIT
No. 89053
ISSUED 9-10-63

No Charge

EXPLAIN ANY ALTERATIONS OR PROPOSED CONSTRUCTION

1. DEVELOP ENTIRE SITE FOR A CITY PLAYGROUND AS SHOWN ON ATTACHED SITE PLAN - SHEET A-1
 2. BLDG. 'A' & 'B' - MAJOR INTERIOR ALTERATIONS & COMPLETE RENOVATION OF FINISHES, NEW HEATING, PLUMBING & ELEC. SYSTEMS. EXTERIOR RENOVATION ONLY - NO ADDITIONS
 3. BLDG. 'C' - EXT. RENOVATION ONLY - NO INTERIOR WORK
 4. BLDG. 'D' - EXT. RENOVATION ONLY - NO INTERIOR WORK EXCEPT INSTALLATION OF NEW BOILER & STACK.
- INCREASE PART OF EXIST. C.I. FENCE FROM 5' TO 8' & 12' STORIES AND HEIGHTS FROM GROUND TO ROOF - BLDG. 'A' & 'B'

HEIGHT	EXISTING BUILDING			PROPOSED ADDITION, ALTERATION OR NEW BUILDING		
	FRONT	SIDE	REAR	FRONT	SIDE	REAR
In Feet	35	35	35	NONE	-	-
In Stories	2 1/2	2 1/2	2 1/2	NONE	-	-

TABULATION OF USES

FLOOR NO.	PRESENT USE	LAST PREVIOUS USE	DATE LAST USED
BLDG. 'A' & 'B'			
BAS'T.	VACANT BLDGS	STORAGE & PLAYROOM.	
1ST	"	OFFICES, GYM, CHAPEL, ETC.	
2ND	"	GAME & BED ROOMS	
3RD	"	BED ROOMS.	
FLOOR NO.	PROPOSED USE OF PRESENT BUILDING	PROPOSED USE OF ADDITION OR NEW BUILDING	
BAS'T.	BOILER RM., ARTS & CRAFTS, STORAGE	No Addition - No New Bldgs.	
1ST	OFFICES, GAME RMS, MEETING RMS		
2ND	ARTS & CRAFTS; MEETINGS; APARTMENT		
3RD	TO BE CLOSED - NO USE.		

Additional use information, if required Bldgs A, B, C & D LAST USED AS ORPHANAGE. NO PROGRAM HAS BEEN DEVELOPED FOR BLDG. 'C' & 'D' & THEY WILL REMAIN CLOSED & UNUSED AT THIS TIME.

OWNER CITY OF PHILA. DEPT. OF RECREATION	ADDRESS CITY HALL ANNEX	PHONE MU 6-3624
ARCHITECT OR ENGINEER HERMAN POLSS. A.I.A.	ADDRESS FOX BLDG. PHILA. 3	PHONE LO 3-5462
CONTRACTOR	ADDRESS	PHONE
APPLICANT	ADDRESS	PHONE

DRAW PLANS ON SPACE BELOW

TO BE DRAWN IN INK.

SHOW ALL LOT LINES AND DIMENSIONS.

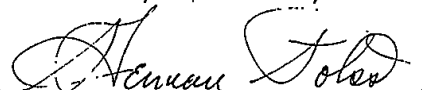
SHOW ALL STREETS AND ALLEYS BOUNDING PROPERTY.

SHOW DISTANCES FROM BUILDING TO LOT LINES, AND TO OTHER BUILDINGS ON SAME LOT.

DRAW ELEVATIONS AND ADDITIONAL PLANS WHEN REQUIRED.

SEE SIDE PLAN - SHEET A-1

"I hereby certify that the statements contained herein are true and correct to the best of my knowledge and belief. I further certify that I am authorized by the owner to make the foregoing application, and that, before I accept any permit for which this application is made, the owner shall be made aware of all the conditions of the permit. I understand that if I knowingly make any false statement herein I am subject to such penalties as may be prescribed by law or ordinance."



(Applicant Sign Here)



CITY OF PHILADELPHIA

MEMBERS
ALEX BONAVITACOLA
Chairman
JAMES J. REYNOLDS
Vice Chairman
MRS. RUSSELL L. DU VAL
Secretary
MORRIS BOLNO
THE REV. WM. VAUGHN ISCHIE, Jr.
BARNET LIEBERMAN

DEPARTMENT OF LICENSES AND INSPECTIONS
ZONING BOARD OF ADJUSTMENT
523 CITY HALL ANNEX, PHILADELPHIA 7, PA.

DATE September 4, 1963

Herman Polss, AIA
Fox Bldg.
Phila., Penna.



IN RE: APPLICATION NO. 25256-H
CALENDAR NO. W-1598

Dear Sir:

The decision of the Zoning Board of Adjustment regarding the
above Application for a Zoning Permit & Use Registration
Permit

PREMISES: 58th & Kingsessing Ave. thru to Chester Ave.

has been favorable to you with PROVISIO.

You may obtain permit upon presentation of this letter to
ZONING SECTION, ROOM 226, CITY HALL ANNEX.

Very truly yours,

Lucy B. DuVal

Secretary

ZONING BOARD OF ADJUSTMENT

NOTICE OF DECISION ON APPEAL REQUESTING A ZONING VARIANCE		CITY OF PHILADELPHIA ZONING BOARD OF ADJUSTMENT CITY HALL ANNEX	
APPLICATION NO. 25256-H	CERTIFICATE NO. VA - 1742	DATE 9/4/63	BOARD OF ADJUSTMENT APPEAL No. - 1991
APPLICANT Herman Polss A.I.A.	ADDRESS Fox Bldg.		
OWNER City of Phila.	ADDRESS City Hall Annex.		
AGENT	ADDRESS		

LOCATION OF PROPERTY
W/S 58th & Kingsessing Ave. thru to Chester

The Zoning Board of Adjustment, having held a public hearing in the above numbered appeal, after proper public notice thereof, has decided that an unnecessary hardship DOES ~~NOT~~ exist and the requested variance ~~SHALL~~ WILL NOT be contrary to the public interest. Accordingly, variances are granted as follows:

<u>REQUIRED BY THE ZONING CODE</u>	<u>AUTHORIZED</u>
SET BACK FROM KINGSESSING AVE. -- 8 FT. SET BACK FROM CHESTER AVE. -- 8 FT.	ERECTION OF AN 8 FT. TO 12 FT. HIGH CYCLONE FENCE ON THE SAME LOT AS A RECREATION CENTER

All variances are subject to the following conditions:

The use authorized must commence within a period of one calendar year from the date of this decision, otherwise this variance and any permit granted by the Department of Licenses and Inspections based thereon, or any other City Department, shall be null and void.

If any plan has been presented to the Board, the construction thereon indicated shall be in exact accordance with said plan.

IF GRANTED, applicant shall comply with all of the requirements of the Fire Inspection, Building Inspection, Housing and Sanitation Section of the Department of Licenses and Inspections and of any other City Department having jurisdiction.

Further Provided, (List any other conditions imposed by the Board).

(ZONING PERMIT)

RH

By order of the BOARD OF ADJUSTMENT

Lucy B. DuVal
LUCY B. DU VAL
Secretary

NOTE: If you are dissatisfied with the decision of the Board, an appeal may be taken to the Court of Common Pleas of Philadelphia County. Any appeal MUST be filed with that Court within 30 days from the date of this decision.

NOTICE OF DECISION ON APPEAL REQUESTING A CERTIFICATE OF EXCEPTION		CITY OF PHILADELPHIA ZONING BOARD OF ADJUSTMENT CITY HALL ANNEX	
APPLICATION NO. 25256-H	CERTIFICATE NO. EX - 294	DATE 9/4/63	BOARD OF ADJUSTMENT APPEAL NO. EX - 259
APPLICANT Herman Polss A.I.A.		ADDRESS Box Bldg.	
OWNER City of Phila.		ADDRESS City Hall Annex	
AGENT		ADDRESS	

LOCATION OF PROPERTY:
W/S 58th & Kingsessing Ave. thru to Chester

The Zoning Board of Adjustment, having hold a public hearing on the above numbered appeal after proper public notice thereof, has decided that the proposed use as described in said application is consistent with ~~36147~~ to the public interest and the provisions of 14-1802(3) (c) of the Philadelphia Code, and, accordingly, a Board of Adjustment Certificate should be GRANTED REFUSED, for use as and for RECREATION CENTER

All Board Certificates are subject to the following conditions:

- (a) The use authorized must commence within a period of one calendar year from the date of this decision otherwise this variance and any permit granted by the Department of Licenses and Inspections based thereon or any other City Department shall be null and void.
- (b) If any plan has been presented to the Board, the construction thereon indicated shall be in exact accordance with said plan.
- (c) Applicant shall comply fully with all of the requirements of the Fire Inspection, Building Inspection, Housing and Sanitation Section of the Department of Licenses and Inspections and of any other City Department having jurisdiction.

Further Provided, (list any other conditions imposed by the Board).

(USE REGISTRATION PERMIT)

EH

By order of the BOARD OF ADJUSTMENT

Lucy B. Duval
LUCY B. DUVAL
Secretary

NOTE: If you are dissatisfied with the decision of the Board, an appeal may be taken to the Court of Common Pleas of Philadelphia County. Any appeal MUST be filed with that Court within 30 days from the date of this decision.

(Date) August 6, 1963

CITY OF PHILADELPHIA
DEPARTMENT of LICENSES and INSPECTIONS
ZONING BOARD OF ADJUSTMENT
CITY HALL ANNEX

W 1598
Rec Aug 27, 1963

Application No. 25256 H

PETITION OF APPEAL TO BOARD OF ADJUSTMENT

Appellant Herman Polss Address 1612 Fox Bldg., Phila. 3, Pa.
(When there are a number of appellants, the additional names shall be entered on the back of this Petition.)

Attorney (if any) _____ Address _____

LOCATION OF PROPERTY 58th Street from Kingessing Avenue to Chester Avenue.

City of Philadelphia
Owners Department of Recreation Address City Hall Annex

Agent _____ Address _____

If the appellant is not the agent or the owner, state his interest: Architect for the Department of Recreation.

Appeal is taken from the action of the Department of Licenses and Inspections in ^{refusal} ~~granting~~ of permit for: Construction of a City Playground requiring some chain link fencing over 6'-0" high on the property line.

State objections to the refusal: _____

- 1 - City Council has determined the need for this Playground facility on this Site which was purchased specifically for this facility.
- 2 - The location of the tennis and basketball courts was fixed by existing site conditions and requires that about 250 feet of chain link fence shall be installed on the Kingessing Avenue property line; the fence must be 12 Ft. high at the tennis courts and 8 Ft. high at the basketball courts for safety in operating this facility.

RECEIVED
AUG 7 1963
ZONING
Board of Adjustment

NOTE:—The specifications of Errors must state separately the Appellant's objections to the action of the Department of Licenses and Inspections with respect to each question of law and fact which is sought to be reviewed.

Where there are a number of Appellants the additional names shall be entered below.

Appellant _____ Address _____

Appellant _____ Address _____

Appellant _____ Address _____

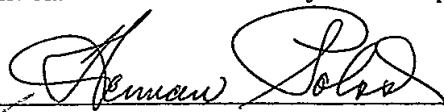
Appellant _____ Address _____

Appellant _____ Address _____

Appellant _____ Address _____

I hereby certify that the statements contained herein are true and correct to the best of my knowledge and belief.

I understand that if I knowingly make any false statement herein I am subject to such penalties as may be prescribed by law or ordinance.

Signed 

APPLICANT! Do not use this sheet
EXAMINER'S REPORT

DISTRICT: R5h

TYPE OF PROPERTY: Corner Attached Semi-detached Detached

DWELLING: Yes No HOW MANY FAMILIES? _____ HOW MANY STORIES? _____

USE APPLIED FOR recreation ACCESSORY TO WHAT USE?

AREAS AND DIMENSIONS	Req. or Permitted	%	Req. when used	Existing	Proposed	%
Lot area						
Occupied area						
Area rear yard						
" inner court						
Total open area						
Set-back front						
Set-back side						
Rear yard - depth						
Side yard, minimum width						
" " aggregate width						
Open court - width						
Court between wings - width						
Inner court - least dimension						
Height - front						
" - side						
" - rear						
" - garage						
Garage - inner dimensions						

IS USE PERMITTED IN THIS DISTRICT? Yes No UNDER WHAT PROVISION? _____

IF USE IS NOT PERMITTED IN THIS DISTRICT, UNDER WHAT PROVISION IS IT PERMITTED? _____

ZONING PERMIT Grant Refuse Refer Not Required

USE PERMIT Grant Refuse Refer Not Required

REMARKS: _____

Date of Examination 8-1-61 Examiner (Signature) [Signature]

INSPECTOR'S REPORT

Application No. 25256-H

Date of Refusal August 2, 1963

CITY OF PHILADELPHIA
DEPARTMENT OF LICENSES AND INSPECTIONS
Second Floor - City Hall Annex

3A

NOTICE OF REFUSAL OF PERMIT

To Herman Polss Applicant Address Fox Bldg.

The permit applied for in Application No. 25256 H is hereby refused because the provisions of the Philadelphia Zoning Ordinance have not been complied with in the following particulars:

PREMISES : 58th & Kingsessing Ave. thru to Chester Ave. is in an "R-5" Residential District.

ZONING : The application is for the erectionn of an 8 ft. to 12 ft. high cyclone fence (size & location as shown in application), on the same lot as a recreation center.

	REQUIRED	PROPOSED
Set back from Kingsessing Ave.	8 ft. 0 in.	0 ft. 0 in.
Set back from Chester Ave.	8 ft. 0 in.	0 ft. 0 in.
	ALLOWABLE	PROPOSED
Fence height	6 ft. 0 in.	8 ft. to 12 ft.

REMARKS : One (1) Reference to Board of Adjustment
One (1) Zoning Refusal.

Signed [Signature]
For Commissioner

ZONING

For ~~partial demolition of Existing Building and erection of Addition, structure, garage, accessory to a single family dwelling with accessory~~ fence; garage, size and location, as shown in the application. Authorized by and subject to the conditions of Board of Adjustment Certificate, UP 1742

USE

For extension of Recreation Center ~~single family dwelling with accessory,~~ garage, size and location, equipment and capacity as shown in the application, to include use of new construction for EP 294
Authorized by and subject to the conditions of Board of Adjustment Certificate, EP 294

W.C. Chang Authorized by [Signature]
Issued by [Signature]

DRAW PLANS ON SPACE BELOW

PLANS TO BE DRAWN IN INK.
SHOW ALL LOT LINES AND DIMENSIONS.
SHOW ALL STREETS AND ALLEYS BOUNDING PROPERTY.
SHOW DISTANCES FROM BUILDING TO LOT LINES, AND TO OTHER BUILDINGS ON SAME LOT.
DRAW ELEVATIONS AND ADDITIONAL PLANS WHEN REQUIRED.

SEE SITE PLAN - SHEET A-1

I hereby certify that the statements contained herein are true and correct to the best of my knowledge and belief. I further certify that I am authorized by the owner to make the foregoing application, and that, before I accept any permit for which application is made, the owner shall be made aware of all the conditions of the permit. I understand that if I knowingly make any false statement herein I am subject to such penalties as may be prescribed by law or ordinance."

Thomas Brown

(Applicant Sign Here)

APPLICANT! Do not use this sheet
EXAMINER'S REPORT

DISTRICT: _____

TYPE OF PROPERTY: Corner Attached Semi-detached Detached

DWELLING: Yes No HOW MANY FAMILIES? _____ HOW MANY STORIES? _____

USE APPLIED FOR	ACCESSORY		TO WHAT USE?				
	AREAS AND DIMENSIONS	Req. or Permitted	%	Req. when used	Existing	Proposed	%
Lot area							
Occupied area							
Area rear yard							
" inner court							
Total open area							
Set-back front							
Set-back side							
Rear yard - depth							
Side yard, minimum width							
" " aggregate width							
Open court - width							
Court between wings - width							
Inner court - least dimension							
Height - front							
" - side							
" - rear							
" - garage							
Garage - inner dimensions							

IS USE PERMITTED IN THIS DISTRICT? Yes No UNDER WHAT PROVISION? *See 25256*

IF USE IS NOT PERMITTED IN THIS DISTRICT, UNDER WHAT PROVISION IS IT PERMITTED? _____

ZONING PERMIT Grant Refuse Refer Not Required

USE PERMIT Grant Refuse Refer Not Required

REMARKS: _____

Date of Examination: _____ Examiner: (Signature) _____

INSPECTOR'S REPORT

INSPECTOR: _____
Date of Inspection: _____

Application No. _____

Date of Refusal _____

CITY OF PHILADELPHIA
DEPARTMENT OF LICENSES AND INSPECTIONS

Second Floor - City Hall Annex

NOTICE OF REFUSAL OF PERMIT

To _____ Applicant Address _____

The permit applied for in Application No. _____ is hereby refused because the provisions of the Philadelphia Zoning Ordinance have not been complied with in the following particulars:

Signed _____
For Commissioner

INSTRUCTIONS FOR ISSUANCE OF PERMIT OR PERMITS

ZONING

For partial demolition of Existing Building and erection of Addition, structure, garage, accessory to a single family dwelling with accessory fence, garage, size and location, as shown in the application. Authorized by and subject to the conditions of Board of Adjustment Certificate, _____

USE

For extension of Recreation Center single family dwelling with accessory, _____, garage, size and location, equipment and capacity as shown in the application, to include use of new construction for _____ Authorized by and subject to the conditions of Board of Adjustment Certificate, _____

No Change Authorized by _____
Issued by _____

"C" APPLICATION FOR ZONING PERMIT AND/OR USE REGISTRATION PERMIT.

CITY OF PHILADELPHIA
DEPARTMENT OF LICENSES AND INSPECTIONS
SECOND FLOOR - CITY HALL ANNEX

BT

NOTE:

The requirements for this permit are in addition to all others required by law or regulation. The issuance of this permit does not imply that a building permit or other permits will be issued if the specifications do not conform with the Building Code, Plumbing Code, Housing Code, Fire Code and all other pertinent laws or regulations.

Application is hereby made for the permit or permits required by the Philadelphia Zoning Ordinance before commencing the use or the work described herein, and as shown on accompanying plan.

LOCATION OF PROPERTY:

N.W.C. 58th & Kingsessing Ave. ^{thru to} Chester Ave.
(Street and House Number)

situated on _____ side of _____ Street
at the distance of _____ feet _____ inches from _____ side
of _____ Street
Front _____ feet _____ inches. Depth _____ feet _____ inches.

If lot is irregular in shape, give deed description below:

Application No.	41952F
District Designation	C-Res
Zoning Map No.	3A Sub. 71
F. A. Vol. Pl.	17/161E Ward
Previous Application	4298F
Calendar No.	
Zoning Refused	
Use Refused	
Appeal	
App. Granted	Cert.
App. Refused	Cert.
Ref. to B. of A.	
Ref. Granted	Cert.
Ref. Refused	Cert.

This space for Official Stamp
(Do not write in this space)

EXPLAIN ANY ALTERATIONS OR PROPOSED CONSTRUCTION

Installation of a water regulating valve for existing system.

All equipment inside of building.

THIS IS A CERTIFICATION THAT
A ZONING PERMIT IS NOT
REQUIRED BY THE ZONING
DIVISION.

B. T. ...
FOR COMMISSIONER
DATE 10-15-57
04-51877

STORIES AND HEIGHTS FROM GROUND TO ROOF

HEIGHT	Existing Building			Proposed Addition, Alteration or New Building		
	Front	Side	Rear	Front	Side	Rear
In Feet						
In Stories						

TABULATION OF USES

FLOOR No.	PRESENT USE	LAST PREVIOUS USE	DATE LAST USED
	Offices		
FLOOR No.	PROPOSED USE OF PRESENT BUILDING	PROPOSED USE OF ADDITION OR NEW BUILDING	
	Same		

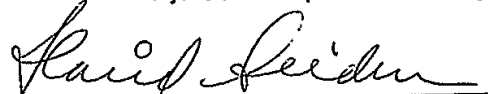
Additional use information, if required:

Owner: Presbyterian Children Villages Address: N.W.C. 58th & Kingsessing Above _____
 Architect or Engineer: _____ Address: 2000 N. 59th Street Phone _____
 Contractor: Peirce-Phelps, Inc. Address: 401 Drexel Building Phone _____

DRAW PLANS ON SPACE BELOW

PLANS TO BE DRAWN IN INK.
SHOW ALL LOT LINES AND DIMENSIONS.
SHOW ALL STREETS AND ALLEYS BOUNDING PROPERTY.
SHOW DISTANCES FROM BUILDING TO LOT LINES, AND TO OTHER BUILDINGS ON SAME LOT.
DRAW ELEVATIONS AND ADDITIONAL PLANS WHEN REQUIRED.

"I hereby certify that the statements contained herein are true and correct to the best of my knowledge and belief. I understand that if I knowingly make any false statement herein I am subject to such penalties as may be prescribed by law or ordinance."



(Applicant Sign Here)

**APPLICANT! Do not use this sheet
EXAMINER'S REPORT**

DISTRICT: _____

TYPE OF PROPERTY: Corner Attached Semi-detached Detached

DWELLING: Yes No HOW MANY FAMILIES? _____ HOW MANY STORIES? _____

USE APPLIED FOR _____ ACCESSORY _____ TO WHAT USE? _____

AREAS AND DIMENSIONS	Req. or Permitted		Req. when used		TO WHAT USE?	
		%			Existing	Proposed
Lot area -						
Occupied area						
Area rear yard						
Inner court						
Total open area						
Set-back front						
Set-back side						
Rear yard - depth						
Side yard, minimum width						
" " aggregate width						
Open court - width						
Court between wings - width						
Inner court - least dimension						
Height - front						
" - side						
" - rear						
" - garage						
Garage - inner dimensions						

IS USE PERMITTED IN THIS DISTRICT? Yes No UNDER WHAT PROVISION? _____

IF USE IS NOT PERMITTED IN THIS DISTRICT, UNDER WHAT PROVISION IS IT PERMITTED? _____

ZONING PERMIT Grant Refuse Refer Not Required

USE PERMIT Grant Refuse Refer Not Required

REMARKS: _____

Date of Examination _____ Examiner (Signature) _____

INSPECTOR'S REPORT

INSPECTOR: _____

Date of Inspection _____

Application No. _____

Date of Refusal _____

CITY OF PHILADELPHIA
DEPARTMENT OF LICENSES AND INSPECTIONS

Second Floor - City Hall Annex

NOTICE OF REFUSAL OF PERMIT

To _____ Applicant Address _____

The permit applied for in Application No. _____ is hereby refused because the provisions of the Philadelphia Zoning Ordinance have not been complied with in the following particulars:

Signed _____
For Commissioner

INSTRUCTIONS FOR ISSUANCE OF PERMIT OR PERMITS

ZONING

For partial demolition of Existing Building and erection of Addition, structure, garage, accessory to a _____ single family dwelling with accessory _____; garage, size and location, as shown in the application. Authorized by and subject to the conditions of Board of Adjustment Certificate, _____

USE

For extension of _____ single family dwelling with accessory, _____, garage, size and location, equipment and capacity as shown in the application, to include use of new construction for _____ Authorized by and subject to the conditions of Board of Adjustment Certificate, _____

Authorized by _____

Issued by _____

**"C" APPLICATION FOR ZONING PERMIT
AND/OR USE REGISTRATION PERMIT**

CITY OF PHILADELPHIA
DEPARTMENT OF LICENSES AND INSPECTIONS
SECOND FLOOR - CITY HALL ANNEX

NOTE:

The requirements for this permit are in addition to all others required by law or regulation. The issuance of this permit does not imply that a building permit or other permits will be issued if the specifications do not conform with the Building Code, Plumbing Code, Housing Code, Fire Code and all other pertinent laws or regulations.

Application is hereby made for the permit or permits required by the Philadelphia Zoning Ordinance, before commencing the use or the work described herein, and as shown on accompanying plan.

LOCATION OF PROPERTY:

3400 C. 58th & Kingsessing Ave.
(Street and House Number)

situated on _____ side of _____ Street
at the distance of _____ feet _____ inches _____ from _____ side
of _____ Street
Front _____ feet _____ inches. Depth _____ feet _____ inches.

If lot is irregular in shape, give deed description below:

[Handwritten signature]

EXPLAIN ANY ALTERATIONS OR PROPOSED CONSTRUCTION

*Check a one story addition
is shown in the application
Minor interior alterations to
present bldg. to tie in with
addition*

STORIES AND HEIGHTS FROM GROUND TO ROOF

HEIGHT	Existing Building			Proposed Addition, Alteration or New Building		
	Front	Side	Rear	Front	Side	Rear
In Feet						
In Stories				1	1	1

TABULATION OF USES

FLOOR No.	PRESENT USE	LAST PREVIOUS USE	DATE LAST USED
	<i>classroom & office</i>		
FLOOR No.	PROPOSED USE OF PRESENT BUILDING	PROPOSED USE OF ADDITION OR NEW BUILDING	
	<i>same</i>	<i>Dining room, kitchen & office</i>	

Additional use information, if required _____

Application No. **4298F**

District Designation **C-RES**

Zoning Map No. **3A** Sub. **71**

F. A. Vol. Pl. **17-1C18** Ward

Previous Application **97670B**

Calendar No. _____

Zoning Refused _____

Use Refused _____

Appeal _____

App. Granted _____ Cert. _____

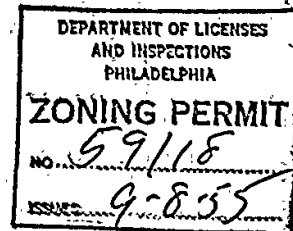
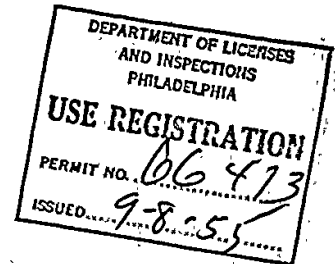
App. Refused _____ Cert. _____

Ref. to B. of A. _____

Ref. Granted _____ Cert. _____

Ref. Refused _____ Cert. _____

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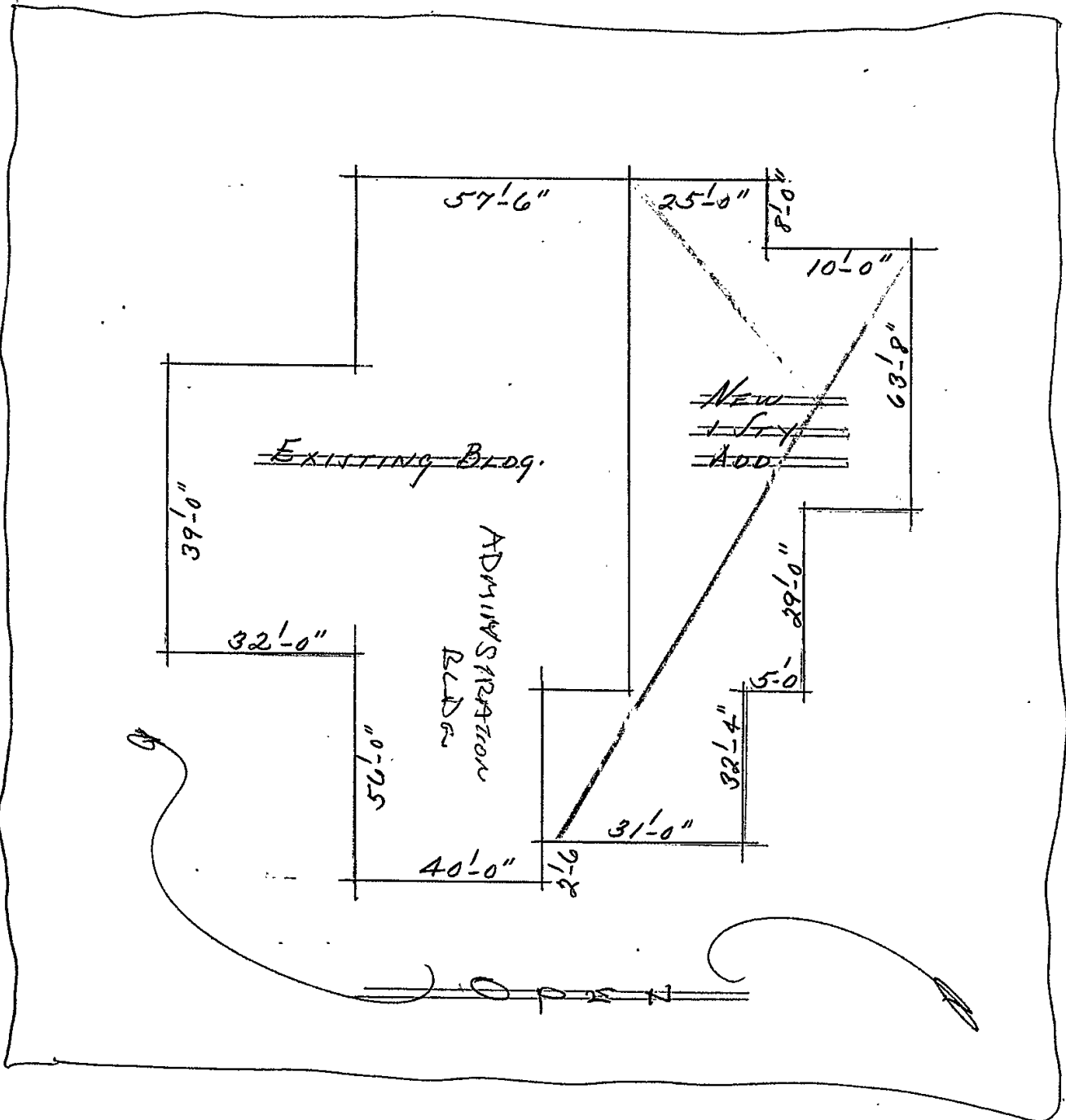


0476323

Owner *Presbyterian Children's Village* Address *1101 Kingsessing Ave.*
 Architect or Engineer *Robt. M. Swartz* Address *1101 Kingsessing Ave.*
 Contractor *Henry Brown, Inc.* Address *1101 Kingsessing Ave.*

DRAW PLANS ON SPACE BELOW

PLANS TO BE DRAWN IN INK.
SHOW ALL LOT LINES AND DIMENSIONS.
SHOW ALL STREETS AND ALLEYS BOUNDING PROPERTY.
SHOW DISTANCES FROM BUILDING TO LOT LINES, AND TO OTHER BUILDINGS ON SAME LOT.
DRAW ELEVATIONS AND ADDITIONAL PLANS WHEN REQUIRED.



I hereby certify that I am the owner or his authorized agent qualified to make out this application and that the facts and declarations of intent set forth above are true and are intended to be relied upon by the Zoning Authorities.

R. Decker for Kintz Bros., Inc.
(Applicant Sign Here)

**APPLICANT! Do not use this sheet
EXAMINER'S REPORT**

DISTRICT: C-2a

TYPE OF PROPERTY: Corner Attached Semi-detached Detached

DWELLING: Yes No HOW MANY FAMILIES? _____ HOW MANY STORIES? _____

USE APPLIED FOR Erect add ACCESSORY 0 TO WHAT USE? Accessory

AREAS AND DIMENSIONS	Req. or Permitted	%	Req. when used	EXISTING		%
				Existing	Proposed	
Lot area						
Occupied area						
Area rear yard						
" Inner court						
Total open area						
Set-back front						
Set-back side						
Rear yard - depth						
Side yard, minimum width						
" " aggregate width						
Open court - width						
Court between wings - width						
Inner court - least dimension						
Height - front						
" - side						
" - rear						
" - garage						
Garage - inner dimensions						

IS USE PERMITTED IN THIS DISTRICT? Yes No UNDER WHAT PROVISION? _____

IF USE IS NOT PERMITTED IN THIS DISTRICT, UNDER WHAT PROVISION IS IT PERMITTED? _____

ZONING PERMIT Grant Refuse Refer Not Required
 USE PERMIT Grant Refuse Refer Not Required

REMARKS:
Attor indicate Onplan takes up
large projects with
sufficient open
area

Date of Examination 9/8/55 Examiner (Signature) WS

INSPECTOR'S REPORT

INSPECTOR: _____
 Date of Inspection _____

Application No. _____

Date of Refusal _____

CITY OF PHILADELPHIA
DEPARTMENT OF LICENSES AND INSPECTIONS
Second Floor - City Hall Annex

NOTICE OF REFUSAL OF PERMIT

To _____ Applicant Address _____

The permit applied for in Application No. _____ is hereby refused because the provisions of the Philadelphia Zoning Ordinance have not been complied with in the following particulars:

Signed _____
For Commissioner

INSTRUCTIONS FOR ISSUANCE OF PERMIT OR PERMITS

ZONING

~~For partial demolition of Existing Building and erection of Addition, structure, garage, accessory to a single family dwelling with accessory _____, garage, size and location, as shown in the application. Authorized by and subject to the conditions of Board of Adjustment Certificate, _____~~

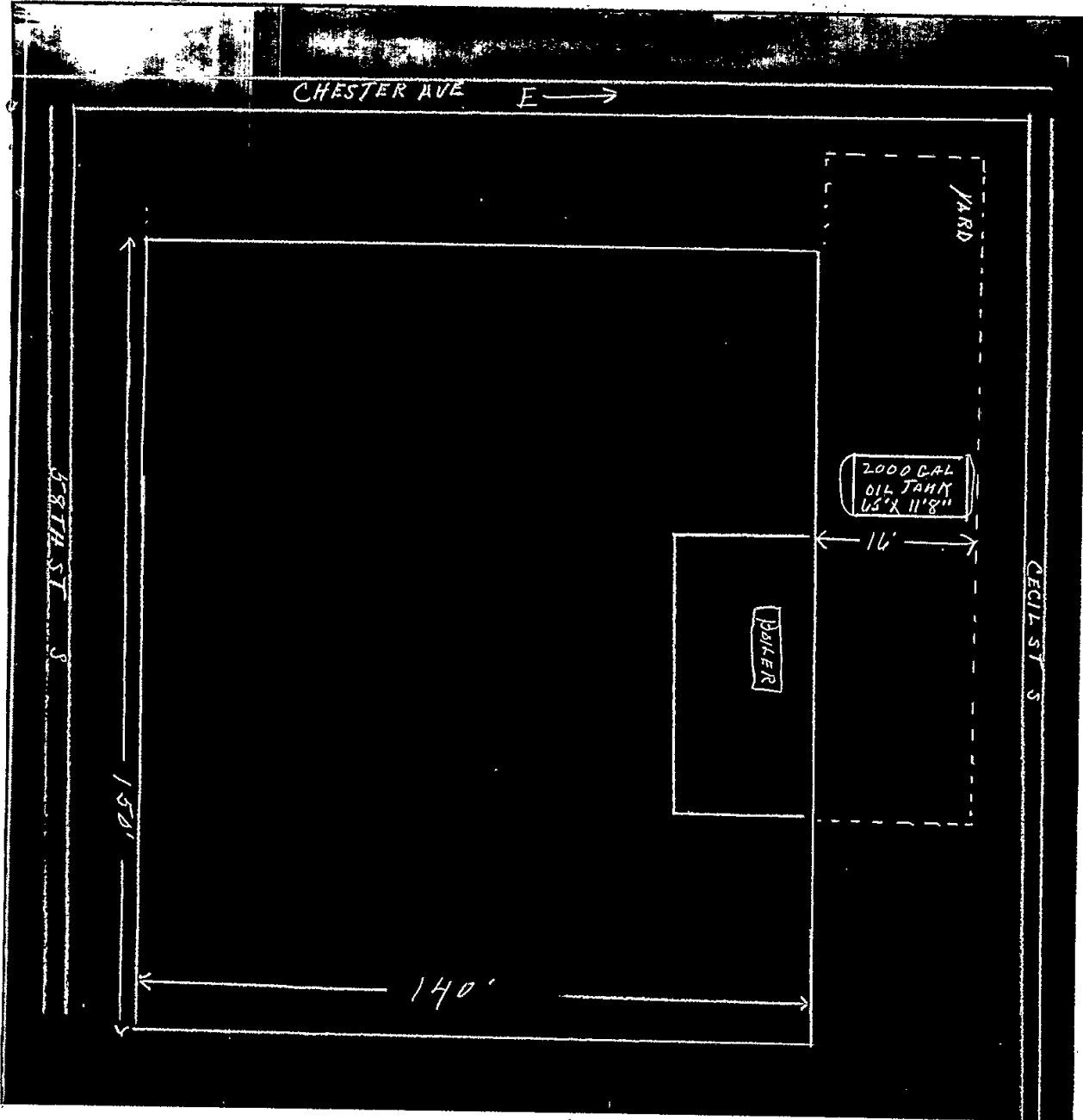
USE

For extension of Outphouse ~~single family dwelling with accessory _____, garage, size and location, equipment and capacity as shown in the application, to include use of new construction for _____~~
Authorized by and subject to the conditions of Board of Adjustment Certificate, _____

8 .00 Authorized by W. J. [Signature]
Issued by _____

DRAW PLANS ON SPACE BELOW

PLANS TO BE DRAWN TO SCALE, IN INK.
 SHOW ALL LOT LINES AND DIMENSIONS.
 SHOW ALL STREETS AND ALLEYS BOUNDING PROPERTY.
 SHOW DISTANCES FROM BUILDING TO LOT LINES, AND TO OTHER BUILDINGS ON SAME LOT.
 DRAW ELEVATIONS AND ADDITIONAL PLANS WHEN REQUIRED.



COMMONWEALTH OF PENNSYLVANIA, }
 COUNTY OF PHILADELPHIA } ss.

This Affidavit need only be filled out, if and when required by
 - the Bureau of Engineering, Surveys and Zoning.

Before me, the subscriber, a Notary Public for the Commonwealth of Pennsylvania, residing in the City of Philadelphia, personally appeared _____ who being duly _____ according to law, doth depose and say: That all the above statements and/or drawings and/or attached plans are true, and do correctly state and show the full extent of buildings and all uses, to be made of the buildings and/or lot for which application for a Zoning Permit and/or Use Registration Permit is hereby made.

_____ and subscribed to before me,
 this _____
 day of _____
 A. D. 194 _____

Harold Perry
 (Applicant Sign Here)

 Notary Public.

APPLICANT! Do not use this sheet.
EXAMINER'S REPORT

DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING, SURVEYS AND ZONING
ZONING DIVISION
ROOM 1223 CITY HALL ANNEX

Date 5-23-46

From: ZONING DIVISION,

To: FIRE MARSHAL, Room 230 City Hall Annex.

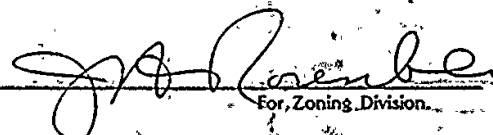
Subject: PREMISES: 58th St. and Chester Ave.

Application No. 90334 has been filed in this office for the following use of the above premises:

BY: Petroleum Heat and Power Co., - 810 N. Broad St.,

FOR: Install one (1) 2,000 gallon fuel oil storage tank (buried) accessory to heating church.

Will you please certify your recommendation below.


For Zoning Division.

Above premises inspected and APPROVED DISAPPROVED for the above use.

REMARKS:


For Fire Marshal.

Date June 1, 1946

752

Application No. _____

Date of Refusal _____

CITY OF PHILADELPHIA
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING, SURVEYS AND ZONING
ROOM 1223 CITY HALL ANNEX

NOTICE OF REFUSAL OF PERMIT

To _____ Applicant. Address _____

The permit applied for in Application No. _____ is hereby refused because the provisions of the Philadelphia Zoning Ordinance have not been complied with in the following particulars:

(This area contains faint, illegible text, likely bleed-through from the reverse side of the page.)

Signed _____
For Chief Engineer and Surveyor.

INSTRUCTIONS FOR ISSUANCE OF PERMIT OR PERMITS

ZONING

For partial demolition of Existing Building and erection of Addition, structure, garage, accessory to a single family dwelling with accessory _____; garage size and location as shown in the application; Authorized by and subject to the conditions of Board of Adjustment Certificate _____

USE

For extension of _____ single family dwelling with accessory, _____, garage size and location, equipment and capacity as shown in the application, to include use of new construction for _____ Authorized by and subject to the conditions of Board of Adjustment Certificate _____

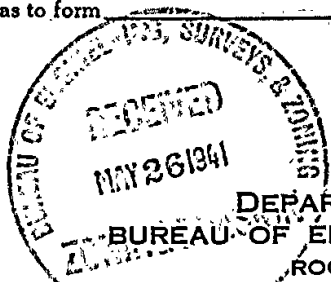
Authorized by _____

Issued by _____

60034

Approved as to form

Application No. _____
District Designation C-Res
Zoning Map No. 3-A Sub. 71
Survey District _____ Ward _____
Previous Application 30800



CITY OF PHILADELPHIA
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING, SURVEYS AND ZONING
ROOM 1223 CITY HALL ANNEX

APPLICATION FOR ZONING PERMIT and/or USE REGISTRATION PERMIT

Application is hereby made by Wm J Rydu for the permit or permits required by the Philadelphia Zoning Ordinance before commencing the use or the work described herein, and as shown on accompanying plan.

LOCATION OF PROPERTY: North West Corner 58th Street & Kingsessing Ave
(STREET AND HOUSE NUMBER)

situated on West side of 58th Street Street at the distance of 0 feet 0 inches from North side of Kingsessing Street Ward. Front 17 feet 0 inches. Depth 280 feet 0 inches.

If lot is irregular in shape, give deed description below:

Calendar No. _____
Zoning Refused _____
Use Refused _____
Appeal _____
App. Granted _____ Cert. _____
App. Refused _____ Cert. _____
Ref. to B. of A. _____
Ref. Granted _____ Cert. _____
Ref. Refused _____ Cert. _____

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(Do not write in this space)

Plans

ZONING PERMIT NOT REQUIRED BY BUREAU OF ENGINEERING SURVEYS AND ZONING.

B.M. Rowland
For Zoning Division

DATE 5.29.41

WHAT KIND OF WORK IS GOING TO BE DONE? Rearrange interior partitions of Basement and 7th fl. Install new entrance doors and some new windows, new stone entrance steps to present Administration Building of the Presbyterian Epheange
no addition to area or height

STORIES AND HEIGHTS FROM GROUND TO ROOF

	Existing Building			Proposed Addition, Alteration or New Building		
	Front	Side	Rear	Front	Side	Rear
Height in Feet	20'	20'	20'	20'	20'	20'
Height in Stories	Bas + 10 story			Bas + 10 story		

TABULATION OF USES

FLOOR No.	PRESENT USE	LAST PREVIOUS USE	DATE LAST USED
<u>Bas</u>	<u>Kitchen</u>		
<u>1st fl</u>	<u>Offices</u>		

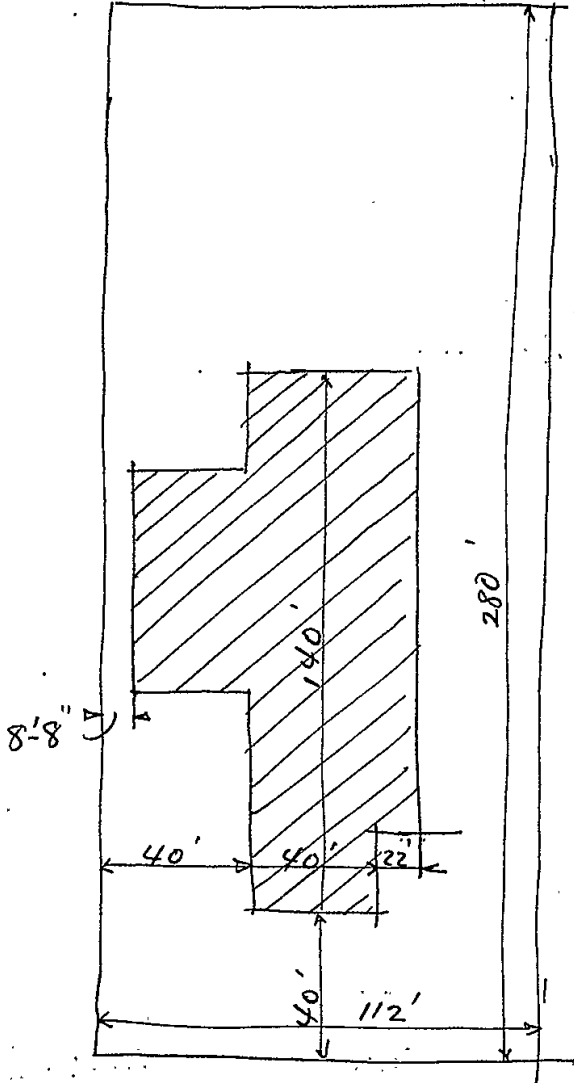
FLOOR No.	PROPOSED USE OF PRESENT BUILDING	PROPOSED USE OF ADDITION OR NEW BUILDING
<u>Bas</u>	<u>Kitchen</u>	<u>Kitchen</u>
<u>1st fl</u>	<u>Offices</u>	<u>Offices</u>

Additional use information, if required

Applicant Wm J Rydu Address 1725 Sanson St Phone Ret 2532
Owner or Agent Presbyterian Epheange Address 58th & Kingsessing Ave Phone _____
Contractor Wm J Rydu Address 1725 Sanson St Phone Ret 2532

DRAW PLANS ON SPACE BELOW

PLANS TO BE DRAWN TO SCALE, IN INK.
SHOW ALL LOT LINES AND DIMENSIONS.
SHOW ALL STREETS AND ALLEYS BOUNDING PROPERTY.
SHOW DISTANCES FROM BUILDING TO LOT LINES, AND TO OTHER BUILDINGS ON SAME LOT.
DRAW ELEVATIONS AND ADDITIONAL PLANS WHEN REQUIRED.



COMMONWEALTH OF PENNSYLVANIA, }
COUNTY OF PHILADELPHIA, } ss.

This Affidavit need only be filled out, if and when required by the Bureau of Engineering, Surveys and Zoning.

Before me, the subscriber, a Notary Public for the Commonwealth of Pennsylvania, residing in the City of Philadelphia, personally appeared _____ who being duly _____ according to law, doth depose and say: That all the above statements and/or drawings and/or attached plans are true, and do correctly state and show the full extent of buildings and all uses, to be made of the buildings and/or lot for which application for a Zoning Permit and/or Use Registration Permit is hereby made.

_____ and subscribed to before me,
this _____
day of _____
A. D. 194 _____

Wm J. Hayden

(Applicant Sign Here)

APPLICANT! Do not use this sheet.

EXAMINER'S REPORT

District C'Ree

Is this a corner property? yes Attached? _____ Semi-detached? _____ Detached? _____

Dwelling? _____ Other than dwelling? yes How many families? _____ How many stories? _____

Use applied for Administrative Office Accessory yes To what use? Pro. Home

	Req. or Permitted	%	Req. when used	Existing	Proposed	%
Lot area						
Occupied area						
Area, rear yard						
" inner court						
Total open area						
Set-back front						
Set-back side						
Rear yard -- depth						
Side yard, minimum width						
" " aggregate width						
Open court -- width						
Court between wings -- width						
Inner court -- least dimension						
Height -- front						
" -- side						
" -- rear						
" -- garage						
Garage -- inner dimensions						

Is Use permitted in this district? _____ Under what provision? _____

If Use is not permitted in this district, under what provision is it permitted? _____

Zoning Permit Grant _____ Refuse _____ Refer _____ Not required

Use Permit Grant _____ Refuse _____ Refer _____ Not required

REMARKS: _____

James P. ...
(Examiner)
Date of Examination 5-26-41

INSPECTOR'S REPORT

(Inspector)

Application No. _____

Date of Refusal _____

CITY OF PHILADELPHIA
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING, SURVEYS AND ZONING
ROOM 1223 CITY HALL ANNEX

NOTICE OF REFUSAL OF PERMIT

To _____ Applicant. Address _____

The permit applied for in Application No. _____ is hereby refused because the provisions of the Philadelphia Zoning Ordinance have not been complied with in the following particulars:

Signed _____
For Chief Engineer and Surveyor.

INSTRUCTIONS FOR ISSUANCE OF PERMIT OR PERMITS

ZONING

For Partial demolition of Existing Building and erection of Addition, structure, garage, accessory to a single family dwelling with accessory garage size and location as shown in the application; Authorized by and subject to the conditions of Board of Adjustment Certificate, _____

USE

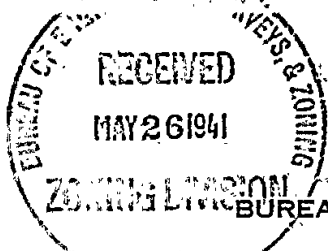
For extension of _____ single family dwelling with accessory, _____, garage size and location, equipment and capacity as shown in the application, to include use of new construction for _____ Authorized by and subject to the conditions of Board of Adjustment Certificate _____

Authorized by _____

Issued by _____

Approved as to form

60033



Application No. District Designation Zoning Map No. 3-A Sub. 71 Survey District Ward Previous Application 30800

CITY OF PHILADELPHIA DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING, SURVEYS AND ZONING ROOM 1223, CITY HALL ANNEX APPLICATION FOR ZONING PERMIT and/or USE REGISTRATION PERMIT

Application is hereby made by Wm J Ryder 1725 Sanson St. for the permit or permits required by the Philadelphia Zoning Ordinance before commencing the use of the work described herein, and as shown on accompanying plan.

LOCATION OF PROPERTY: North West Corner 58th St + Kingsessing Ave (STREET AND HOUSE NUMBER)

situated on north side of Kingsessing Ave street at the distance of 448 feet inches from West side of Kingsessing 58th Street Ward. Front 180 feet inches. Depth 240 feet inches. If lot is irregular in shape, give deed description below:

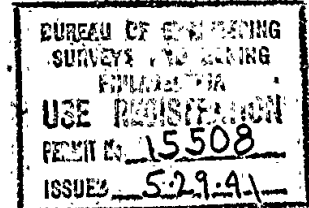
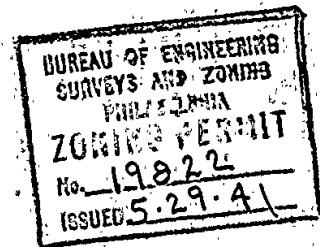
Calendar No. Zoning Refused Use Refused Appeal App. Granted Cert. App. Refused Cert. Ref. to B. of A. Ref. Granted Cert. Ref. Refused Cert.

This Space for Official Stamp. (Do not write in this space)

V-3104

Plans

WHAT KIND OF WORK IS GOING TO BE DONE? new stone building with asbestos shingle peak roof (one story high) above basement to be used for Infirmary Building for Presbyterian Orphanage



STORIES AND HEIGHTS FROM GROUND TO ROOF

Table with columns: Existing Building (Front, Side, Rear), Proposed Addition, Alteration or New Buildings (Front, Side, Rear). Rows: Height in Feet, Height in Stories. Values: 26', 26', 26', Past 1 story.

TABULATION OF USES

Table with columns: FLOOR No., PRESENT USE, LAST PREVIOUS USE, DATE LAST USED

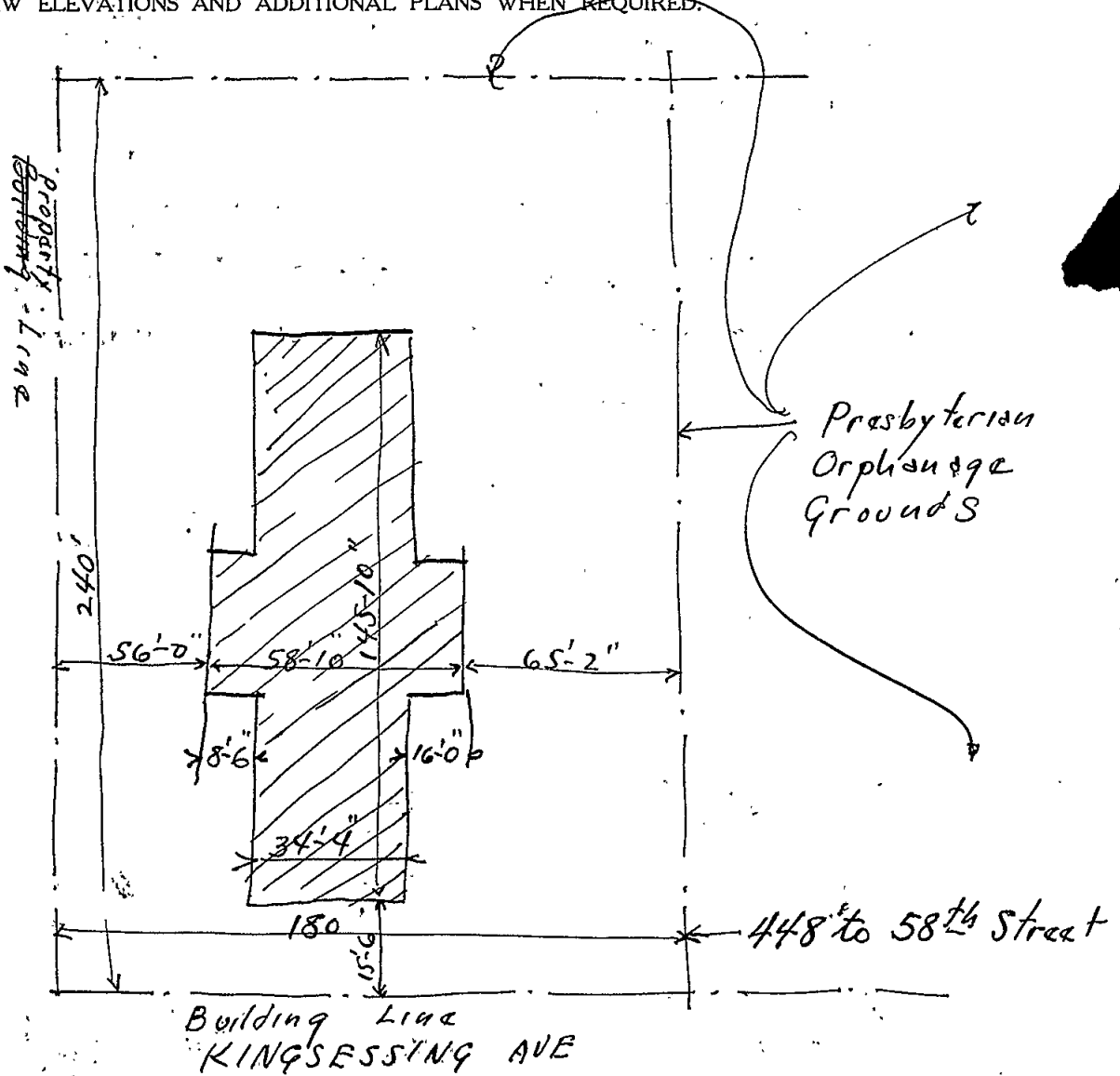
Table with columns: FLOOR No., PROPOSED USE OF PRESENT BUILDING, PROPOSED USE, OR ADDITION OR NEW BUILDING. Values: Bas 18' fl, Heating Equipment Hospital.

Additional use information, if required

Applicant Wm J Ryder Address 1725 Sanson St Phone Rt 2532 Owner or Agent Presbyterian Orphanage Address 58th + Kingsessing Ave Phone Contractor Wm J Ryder Address 1725 Sanson St Phone Rt 2532

DRAW PLANS ON SPACE BELOW

PLANS TO BE DRAWN TO SCALE, IN INK.
 SHOW ALL LOT LINES AND DIMENSIONS.
 SHOW ALL STREETS AND ALLEYS BOUNDING PROPERTY.
 SHOW DISTANCES FROM BUILDING TO LOT LINES, AND TO OTHER BUILDINGS ON SAME LOT.
 DRAW ELEVATIONS AND ADDITIONAL PLANS WHEN REQUIRED.



COMMONWEALTH OF PENNSYLVANIA, }
 COUNTY OF PHILADELPHIA, } ss.

This Affidavit need only be filled out, if and when required by the Bureau of Engineering, Surveys and Zoning.

Before me, the subscriber, a Notary Public for the Commonwealth of Pennsylvania, residing in the City of Philadelphia, personally appeared _____ who being duly _____ according to law, doth depose and say: That all the above statements and/or drawings and/or attached plans are true, and do correctly state and show the full extent of buildings and all uses, to be made of the buildings and/or lot for which application for a Zoning Permit and/or Use Registration. Permit is hereby made.

_____ and subscribed to before me,
 this _____
 day of _____
 A. D. 194 _____



 (Applicant Sign Here)

 Notary Public.

APPLICANT! Do not use this sheet.
EXAMINER'S REPORT

District C-1 Res
 Is this a corner property? _____ Attached? _____ Semi-detached? _____ Detached? _____
 Dwelling? _____ Other than dwelling? How many families? _____ How many stories? _____
 Use applied for Hospitality Accessory? To what use? Blue Home

	Req. or Permitted	%	Req. when used	Existing	Proposed	%
Lot area						
Occupied area						
Area, rear yard						
" inner court						
Total open area						
-back front	<u>8'-0"</u>				<u>15'-6"</u>	<u>OK</u>
Set-back side						
Rear yard--depth						
Side yard, minimum width	<u>50'-0"</u>				<u>56'-0"</u>	<u>OK</u>
" " aggregate width						
Open court--width						
Court between wings--width						
Inner Court--least dimension						
Height--front						
" --side						
" --rear						
" --garage						
Garage--inner dimensions						

Is Use permitted in this district? _____ Under what provision? _____

If Use is not permitted in this district, under what provision is it permitted? _____

Zoning Permit Grant Refuse _____ Refer _____ Not required _____
 Use Permit Grant Refuse _____ Refer _____ Not required _____

REMARKS: _____

James O. Breyer
 (Examiner)
 Date of Examination 5-26-41

INSPECTOR'S REPORT

(Inspector)
 Date of Inspection _____

Application No. _____

Date of Refusal _____

CITY OF PHILADELPHIA
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING, SURVEYS AND ZONING
ROOM 1223, CITY HALL ANNEX

NOTICE OF REFUSAL OF PERMIT

To _____ Applicant. Address _____

The permit applied for in Application No. _____ is hereby refused because the provisions of the Philadelphia Zoning Ordinance have not been complied with in the following particulars:

Signed _____

INSTRUCTIONS FOR ISSUANCE OF PERMIT OR PERMITS

ZONING

For ~~Partial demolition of Existing Building and erection of Addition, structure, garage, accessory to a~~
~~single family dwelling with accessory~~ ; ~~garage~~ size and location as shown in the application;
~~Authorized by and subject to the conditions of Board of Adjustment Certificate,~~ _____

USE

For extension of Orphanage ~~single family dwelling with~~
~~accessory~~ ~~garage~~ size and location, equipment and capacity as shown in the application, to include
use of new construction for hospital
~~Authorized by and subject to the conditions of Board of Adjustment Certificate~~ _____

5

Authorized by Croley

Issued by _____

WAIVER OF PERMIT FEE

(A separate form is required for each permit applied for)

DATE

September 9, 1970

TO: DEPARTMENT OF LICENSES AND INSPECTIONS, BUILDING DIVISION
Department of Recreation

FROM:

SUBJECT: WAIVER OF PERMIT FEES FOR PROJECT # Francis Myers Recreation Center

LOCATED AT ^{SW} 58th and Kingsessing Avenue
Recreation

The Department has contracted with
Mayer Pollack

for general construction work, bid number _____ to be done in connection with the above project.

Said project provides that NO PERMIT FEE be paid to the City of Philadelphia for a ~~construction~~
ZONING
J
PH
Permit.

Signature of Sender Alvin Zion (md)

Title of Sender Director, Planning and Construction

NOTE: CHARGES FOR CONSTRUCTION WATER MUST BE PAID ON OTHER THAN CITY-OWNED PROPERTIES.

WAIVER OF PERMIT FEE
(A separate form is required for each permit applied for)

DATE
2/21/74

TO: DEPARTMENT OF LICENSES AND INSPECTIONS, BUILDING DIVISION.

FROM: Department of Recreation

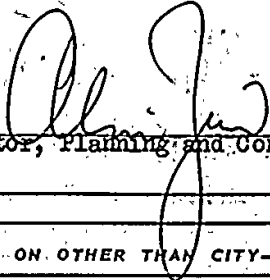
SUBJECT: WAIVER OF PERMIT FEES FOR PROJECT # Neighborhood Swimming Pools

LOCATED AT Francis Myers Recreation Center, 58th and Kingsessing Streets

The Recreation Department has contracted with
Nolen and Swinburne, 1624 Locust Street, Philadelphia, Pa. 19103

for general construction work, bid number _____ to be done in connection with the above project.

Said project provides that NO PERMIT FEE be paid to the City of Philadelphia for a zoning
Permit.

Signature of Sender 
Title of Sender Director, Planning and Construction

NOTE: CHARGES FOR CONSTRUCTION WATER MUST BE PAID ON OTHER THAN CITY-OWNED PROPERTIES.

5800-5716
 1/7
 107-18 Sheet 3A Block 71
 TRAC TO

S. Coe

CHESTER AVE & 58th St

Nature of Application (KINGSESSING)

Date	Application No.	Nature of Application
3-29-38	30800	Alterations (CC)
5-26-41	60033	Erect App.
5-26-41	60034	Alterations (CC)
5-28-46	90334	INSTALL 2000 GAL. FUEL OIL TANK
5-26-55	97670B	1. E.C. 0. R.P.H. AND
9-8-55	429RF	ACT. & ERECT APP. DEF. NR
10-15-57	41952F	DUMB.
5-16-63	22239H	DEM. 3 VACANT BLDGS
7-31-63	25256H	Eg. City Playground
10-11-63	28191H	" " " "

REFERRAL TO ZONING BOARD OF ADJUSTMENT

APPLICATION NUMBER August 2, 1963

DISTRICT "R-5" Residential PLATE 3 A

TO ZONING BOARD OF ADJUSTMENT ROOM 523 CITY HALL ANNEX

Application Number 25256 H

is hereby referred to the BOARD OF ADJUSTMENT.

APPLICANT Herman Polss, AIA

ADDRESS Fox Bldg.

PHONE

LOCATION OF PROPERTY w/s 58th And Kingsessing Ave. thru to Chester

PROPOSED USE Recreation center

REMARKS This use requires a certificate from the Zoning Board of Adjustment.

Zoning Refused

[Signature]
(Rev. 11/61)

FOR THE COMMISSIONER, Room 227 City Hall Annex

APPENDIX G

HISTORICAL AERIAL PHOTOGRAPHS



Francis Myers Recreation Center

5800 Chester Ave

Philadelphia, PA 19143

Inquiry Number: 5854001.5

November 01, 2019

The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

11/01/19

Site Name:

Francis Myers Recreation Cent
5800 Chester Ave
Philadelphia, PA 19143
EDR Inquiry # 5854001.5

Client Name:

Duffield Associates, Inc.
5400 Limestone Road
Wilmington, DE 19808
Contact: Matthew Staunton



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2017	1"=500'	Flight Year: 2017	USDA/NAIP
2013	1"=500'	Flight Year: 2013	USDA/NAIP
2010	1"=500'	Flight Year: 2010	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1999	1"=500'	Acquisition Date: April 13, 1999	USGS/DOQQ
1993	1"=500'	Flight Date: April 14, 1993	USGS
1988	1"=500'	Flight Date: May 27, 1988	NAPP
1981	1"=500'	Flight Date: April 21, 1981	USDA
1975	1"=500'	Flight Date: March 17, 1975	EDR Proprietary Aerial Viewpoint
1971	1"=500'	Flight Date: May 18, 1971	USDA
1967	1"=500'	Flight Date: October 20, 1967	USGS
1965	1"=500'	Flight Date: April 04, 1965	EDR Proprietary Aerial Viewpoint
1953	1"=500'	Flight Date: March 11, 1953	USGS
1950	1"=500'	Flight Date: May 27, 1950	EDR Proprietary Aerial Viewpoint
1945	1"=500'	Flight Date: January 02, 1945	EDR Proprietary Aerial Viewpoint
1943	1"=500'	Flight Date: April 01, 1943	UNK
1937	1"=500'	Flight Date: September 20, 1937	USDA

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INQUIRY #: 5854001.5

YEAR: 2017

— = 500'





INQUIRY #: 5854001.5

YEAR: 2013

— = 500'





INQUIRY #: 5854001.5

YEAR: 2010

— = 500'





INQUIRY #: 5854001.5

YEAR: 2006

— = 500'





INQUIRY #: 5854001.5

YEAR: 1999

— = 500'

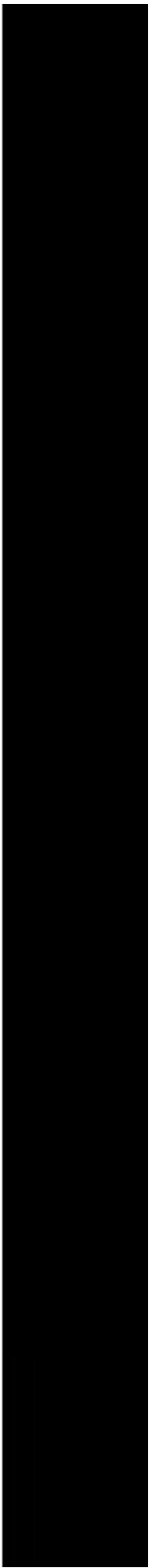




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— = 500'





INQUIRY #: 5854001.5

YEAR: 1988

— = 500'



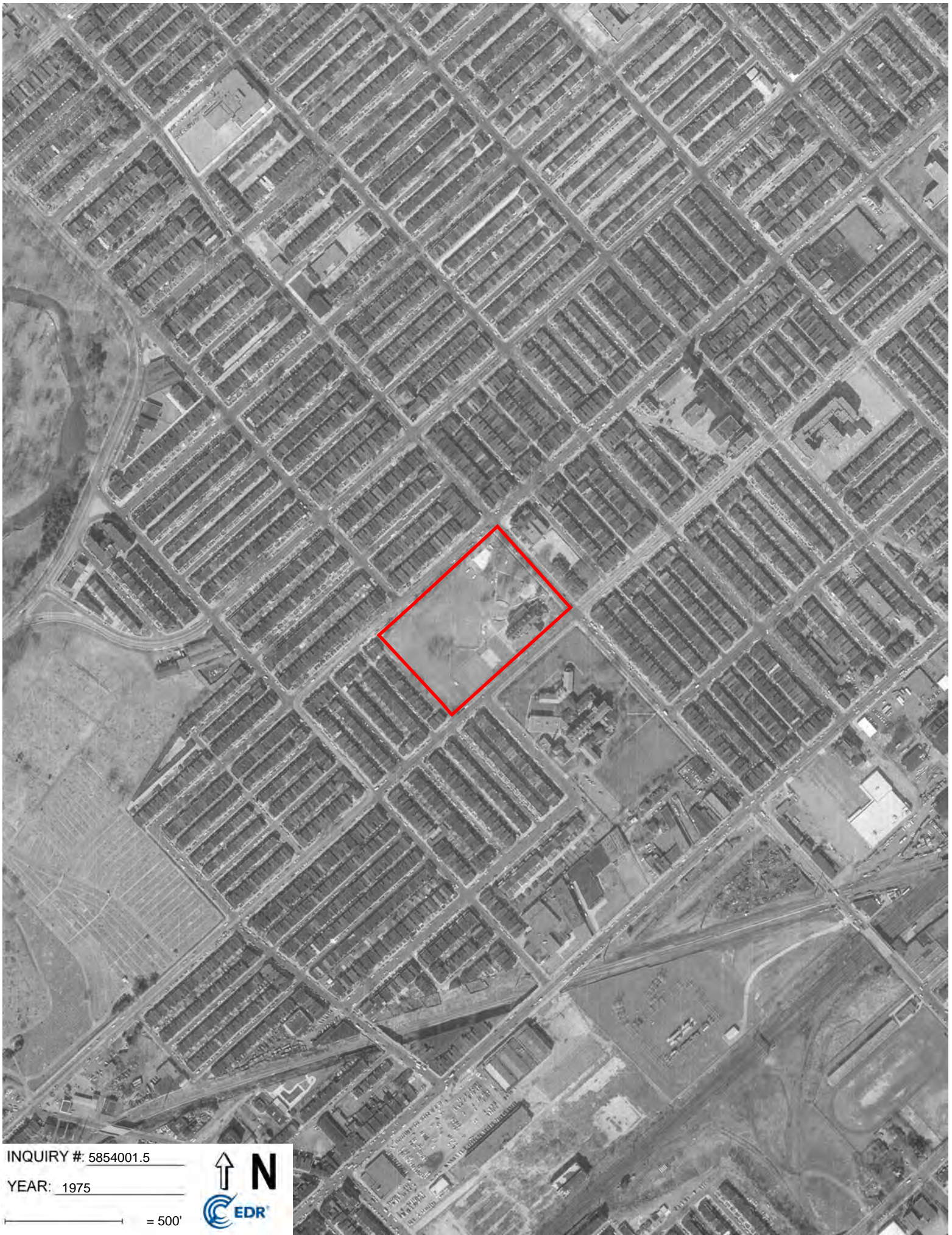


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YEAR: 1981

— = 500'





INQUIRY #: 5854001.5

YEAR: 1975

— = 500'



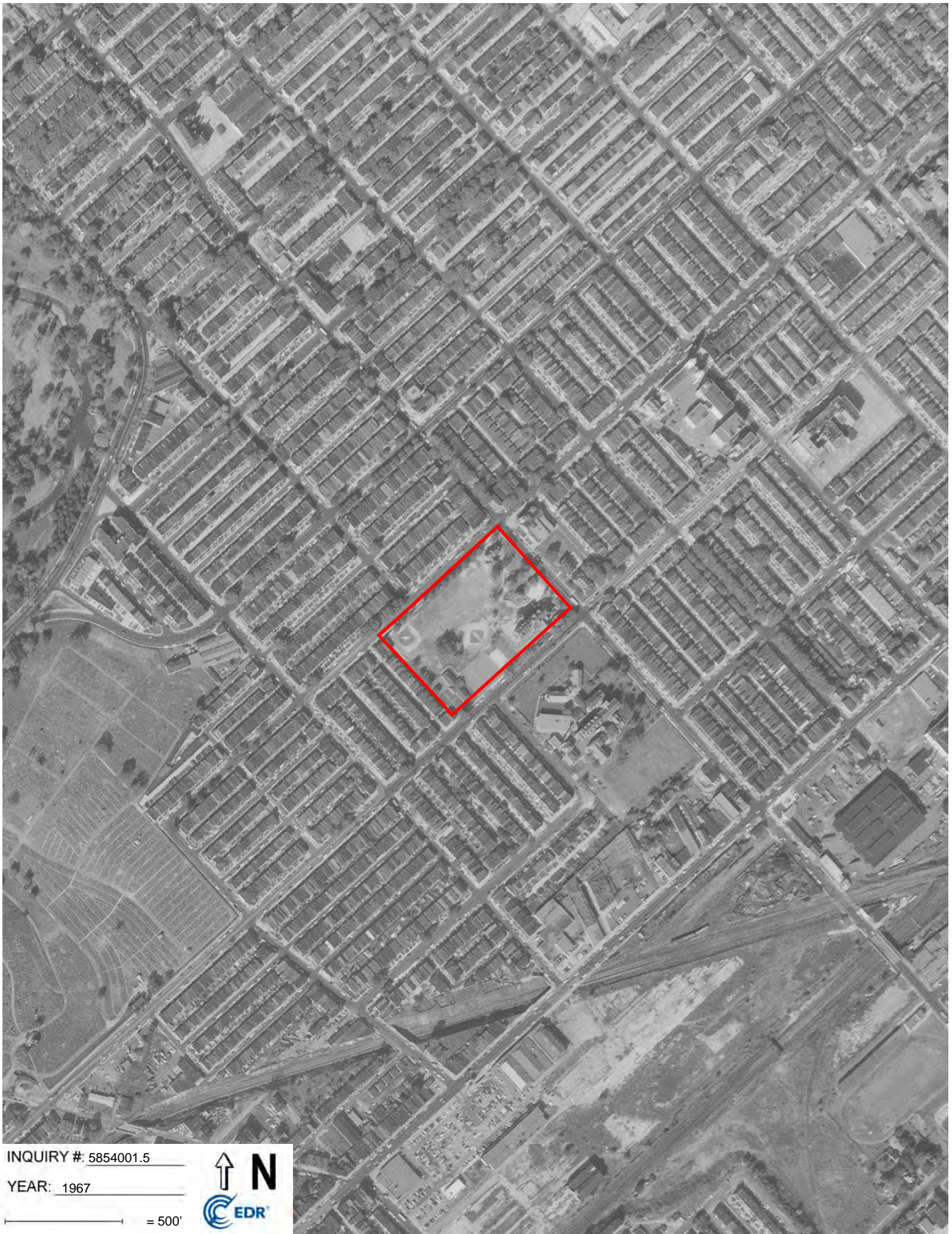


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YEAR: 1971

— = 500'





INQUIRY #: 5854001.5

YEAR: 1967

— = 500'





INQUIRY #: 5854001.5

YEAR: 1965

— = 500'





INQUIRY #: 5854001.5

YEAR: 1953

— = 500'



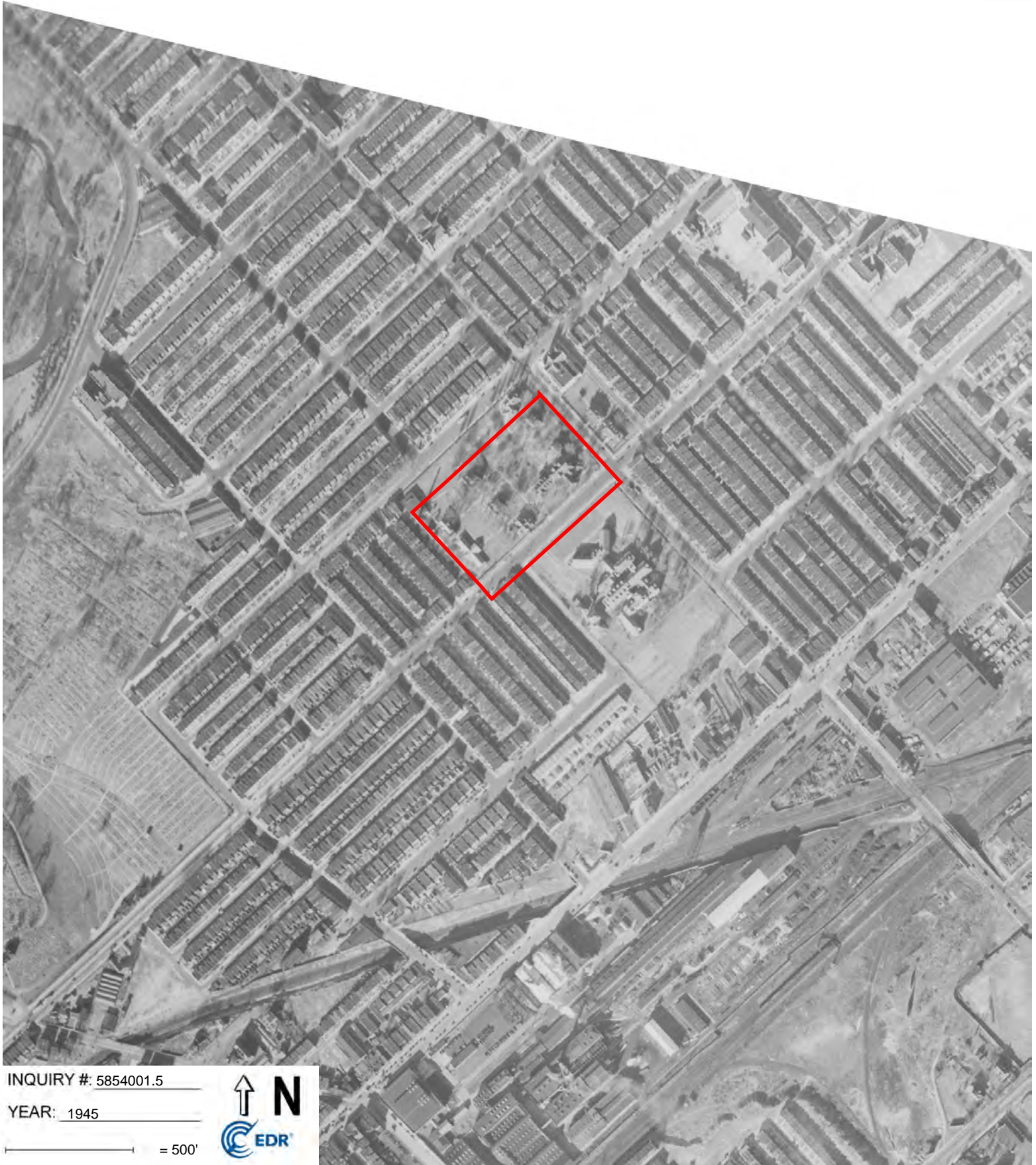


INQUIRY #: 5854001.5

YEAR: 1950

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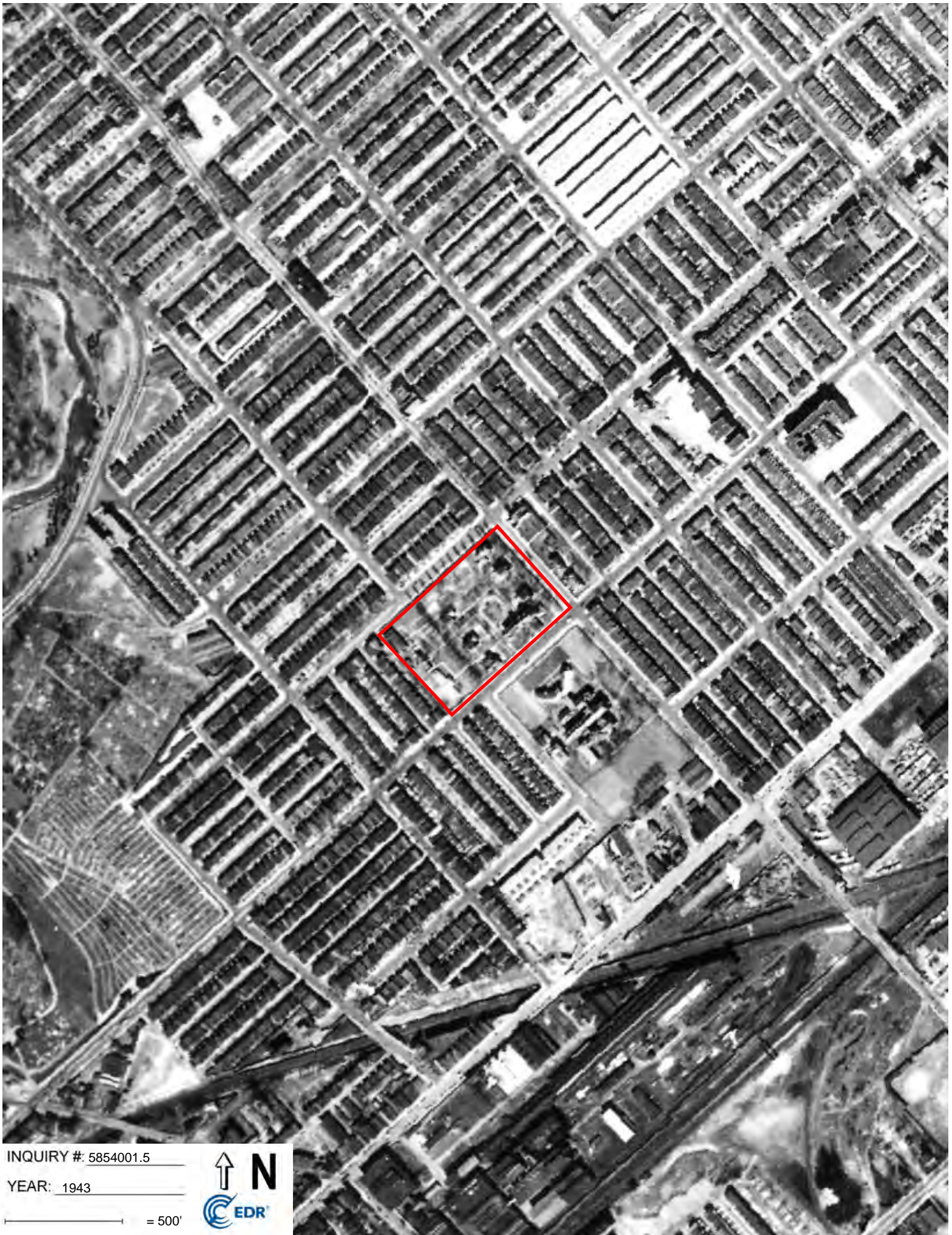


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YEAR: 1945

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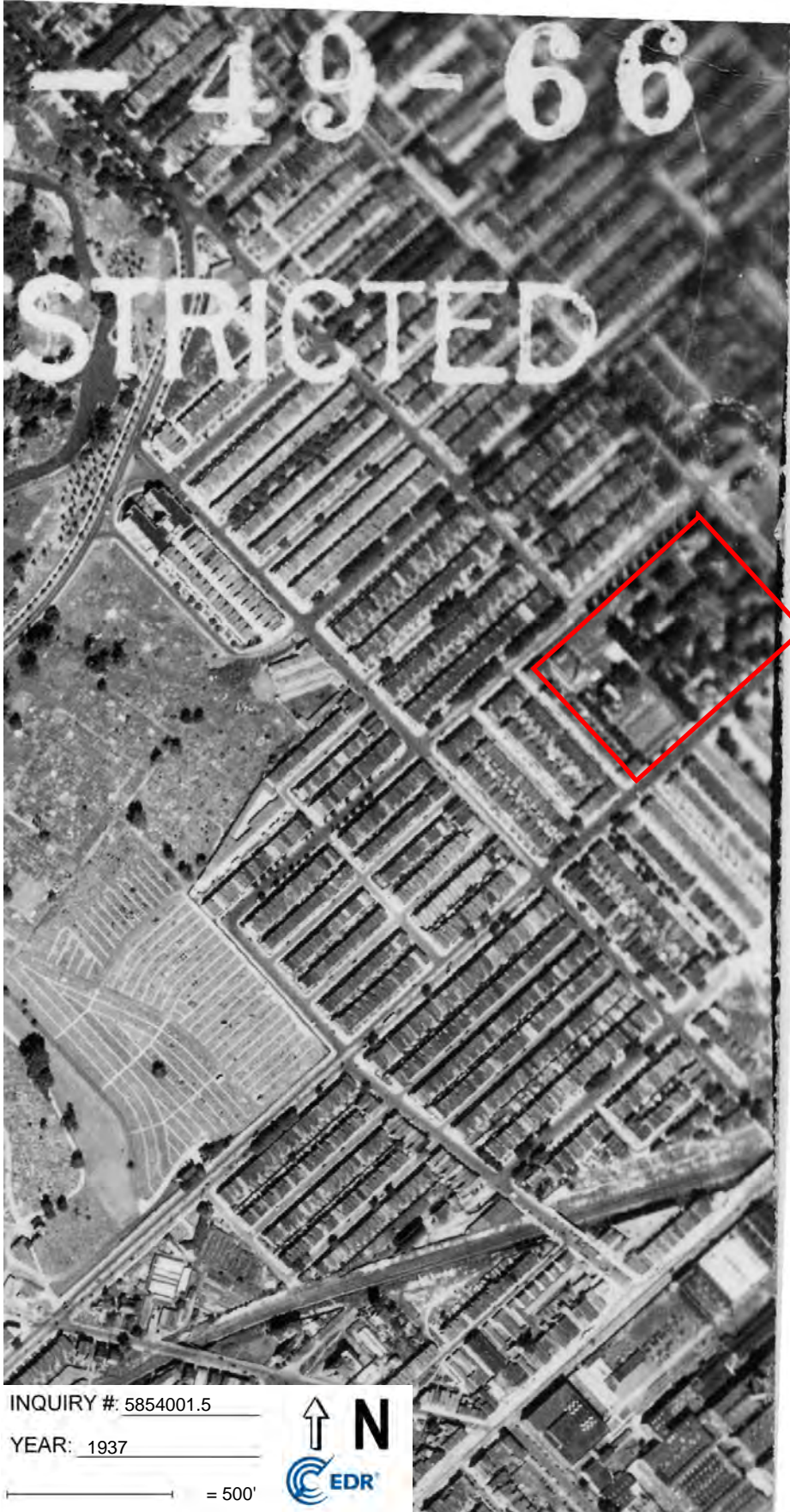


INQUIRY #: 5854001.5

YEAR: 1943

— = 500'





INQUIRY #: 5854001.5

YEAR: 1937



= 500'

APPENDIX H

CERTIFIED SANBORN FIRE INSURANCE MAPS

Francis Myers Recreation Center

5800 Chester Ave

Philadelphia, PA 19143

Inquiry Number: 5854001.3

November 01, 2019

Certified Sanborn® Map Report



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

11/01/19

Site Name:

Francis Myers Recreation Cent
5800 Chester Ave
Philadelphia, PA 19143
EDR Inquiry # 5854001.3

Client Name:

Duffield Associates, Inc.
5400 Limestone Road
Wilmington, DE 19808
Contact: Matthew Staunton



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Duffield Associates, Inc. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 030B-43AE-9872
PO # 12254.EQ
Project Rebuild HazMat - Francis Myers

Maps Provided:

2005
2003
2001
1989
1979
1974
1950
1925



Sanborn® Library search results

Certification #: 030B-43AE-9872

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- Library of Congress
- University Publications of America
- EDR Private Collection

The Sanborn Library LLC Since 1866™

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Sanborn Sheet Key

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2005 Source Sheets



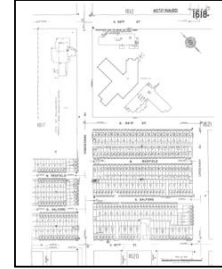
Volume 17, Sheet 1611
2005



Volume 17, Sheet 1612
2005



Volume 17, Sheet 1617
2005



Volume 17, Sheet 1618
2005

2003 Source Sheets



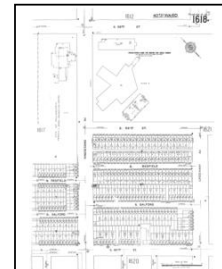
Volume 17, Sheet 1611
2003



Volume 17, Sheet 1612
2003



Volume 17, Sheet 1617
2003



Volume 17, Sheet 1618
2003

2001 Source Sheets



Volume 17, Sheet 1617
2001



Volume 17, Sheet 1618
2001

1989 Source Sheets



Volume 17, Sheet 1611
1989



Volume 17, Sheet 1612
1989



Volume 17, Sheet 1617
1989



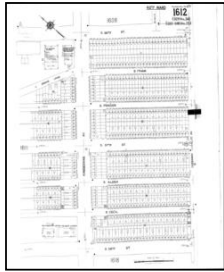
Volume 17, Sheet 1618
1989

Sanborn Sheet Key

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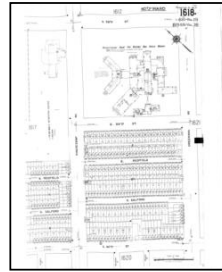
1979 Source Sheets



Volume 17, Sheet 1612
1979

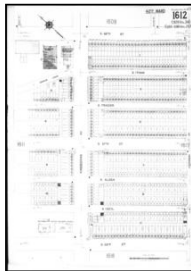


Volume 17, Sheet 1617
1979

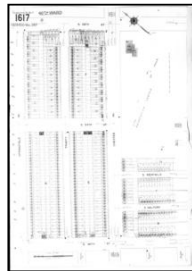


Volume 17, Sheet 1618
1979

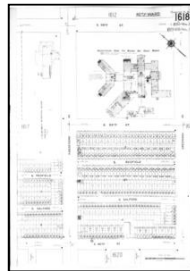
1974 Source Sheets



Volume 17, Sheet 1612
1974

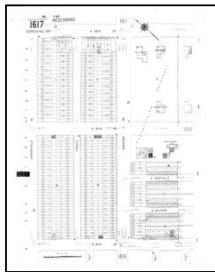


Volume 17, Sheet 1617
1974

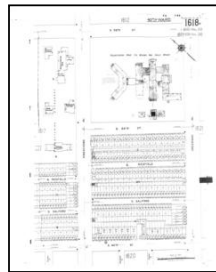


Volume 17, Sheet 1618
1974

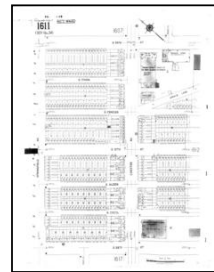
1950 Source Sheets



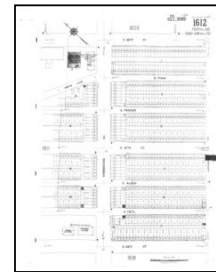
Volume 17, Sheet 1617
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Volume 17, Sheet 1618
1950



Volume 17, Sheet 1611
1950

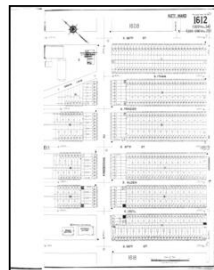


Volume 17, Sheet 1612
1950

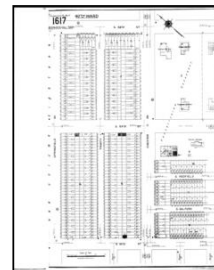
1925 Source Sheets



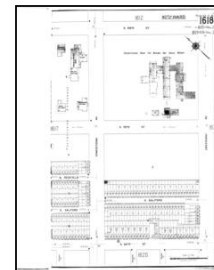
Volume 17, Sheet 1611
1925



Volume 17, Sheet 1612
1925



Volume 17, Sheet 1617
1925



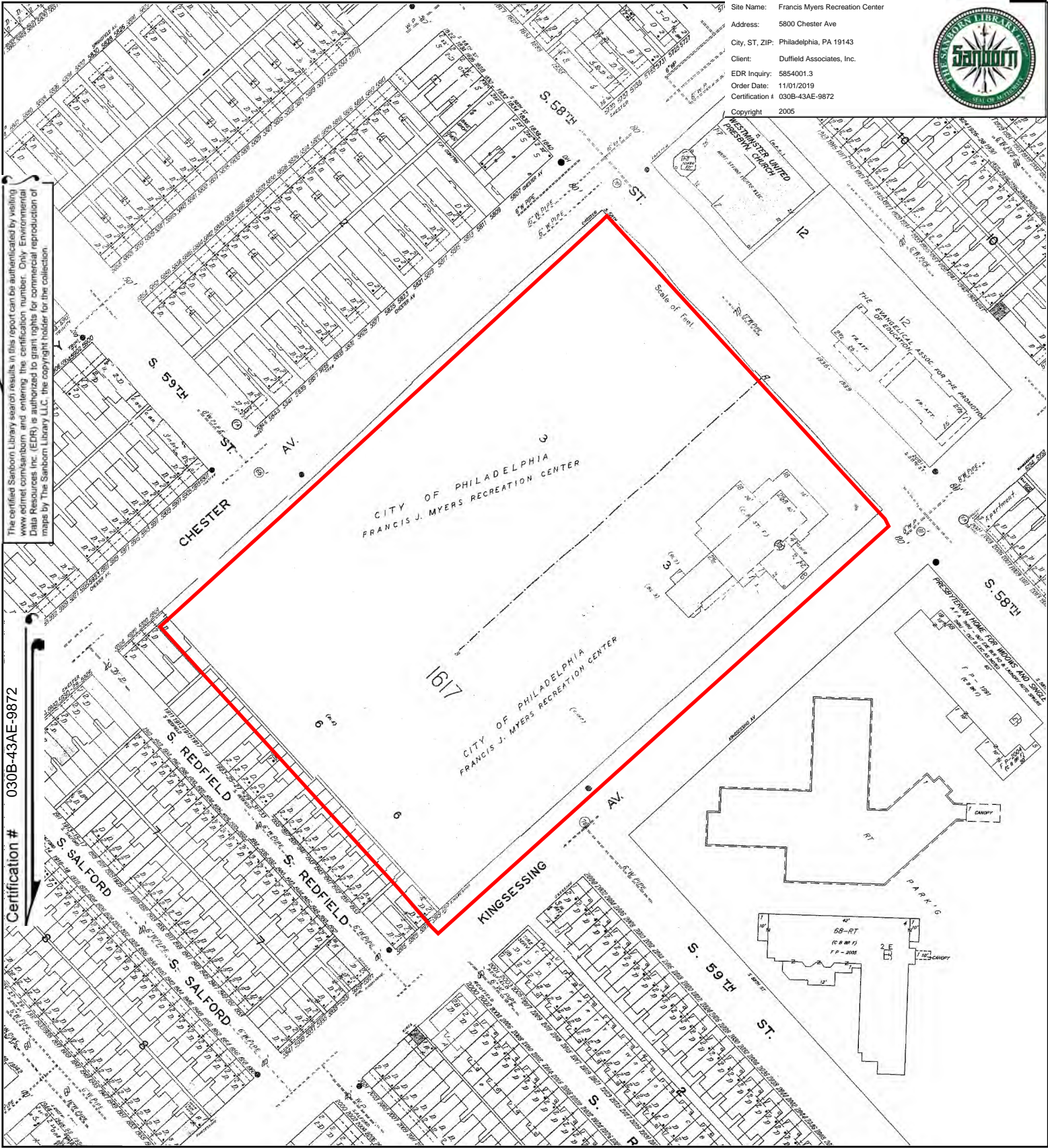
Volume 17, Sheet 1618
1925

Site Name: Francis Myers Recreation Center
 Address: 5800 Chester Ave
 City, ST, ZIP: Philadelphia, PA 19143
 Client: Duffield Associates, Inc.
 EDR Inquiry: 5854001.3
 Order Date: 11/01/2019
 Certification #: 030B-43AE-9872
 Copyright: 2005

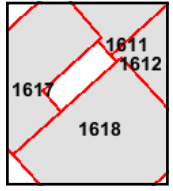
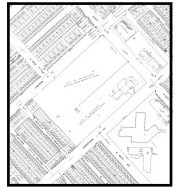
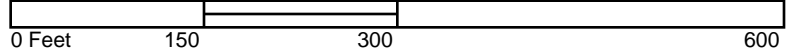


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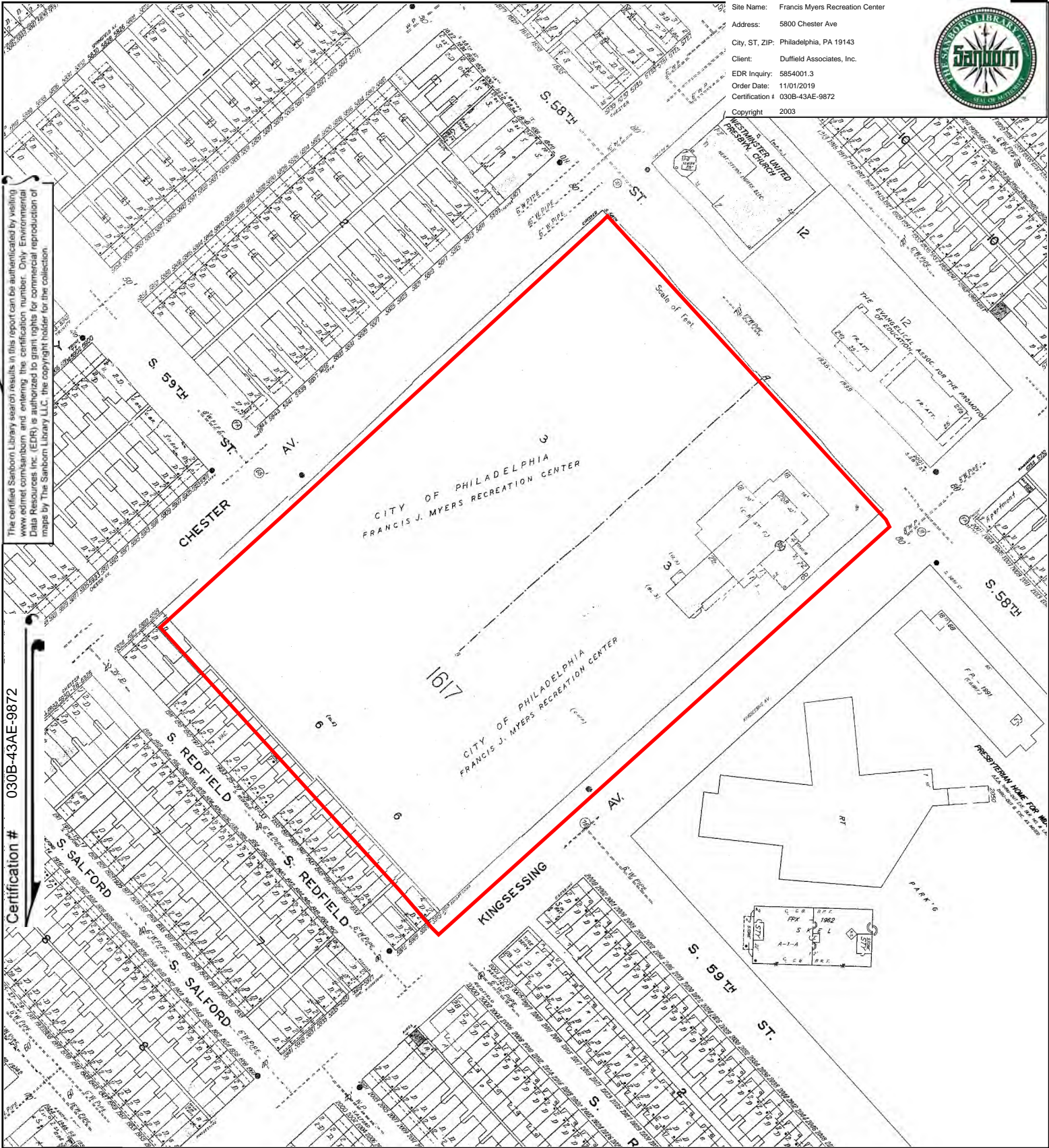
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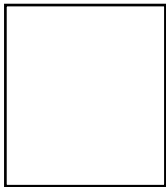
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 Address: 5800 Chester Ave
 City, ST, ZIP: Philadelphia, PA 19143
 Client: Duffield Associates, Inc.
 EDR Inquiry: 5854001.3
 Order Date: 11/01/2019
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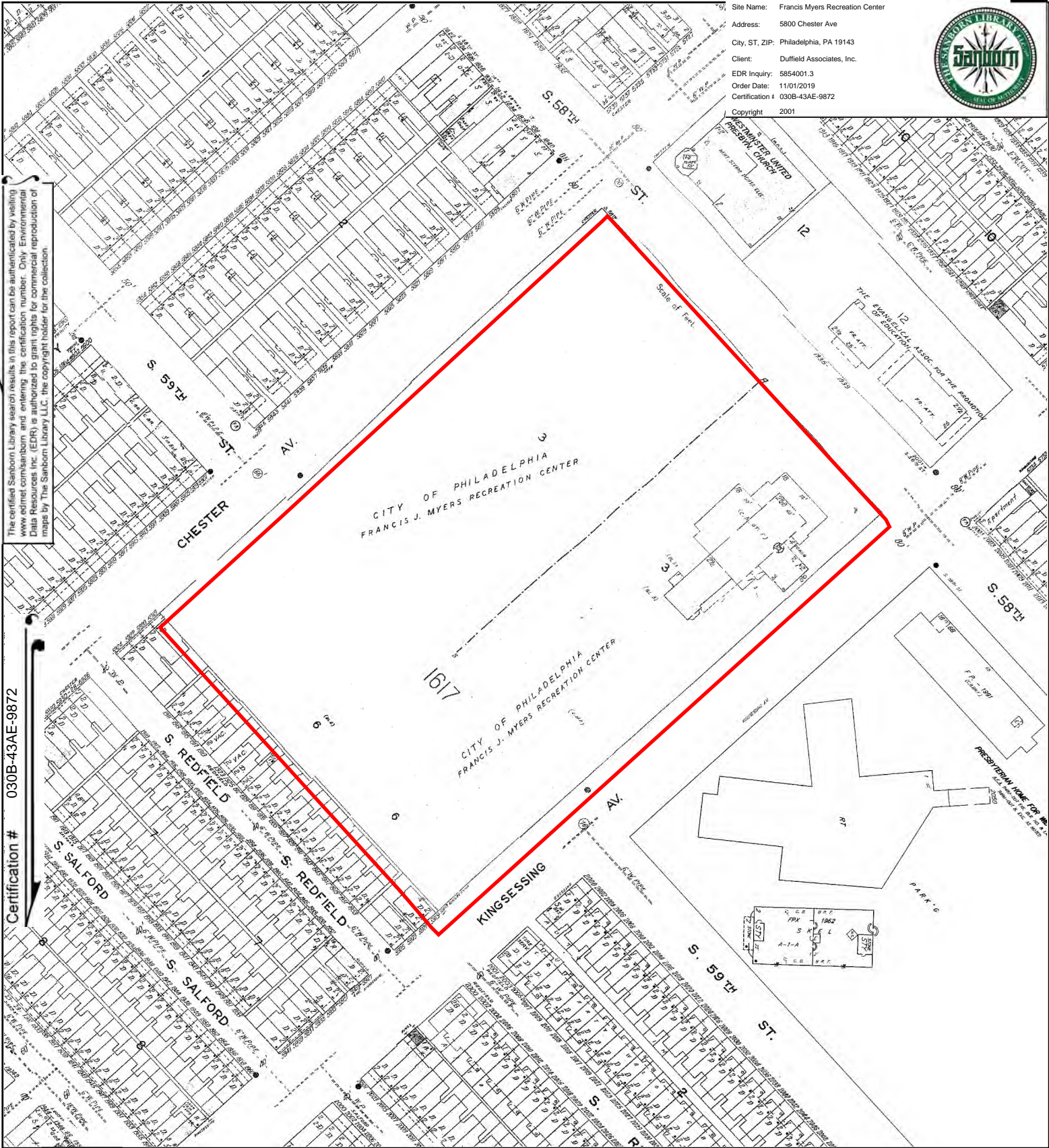
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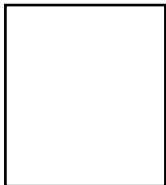
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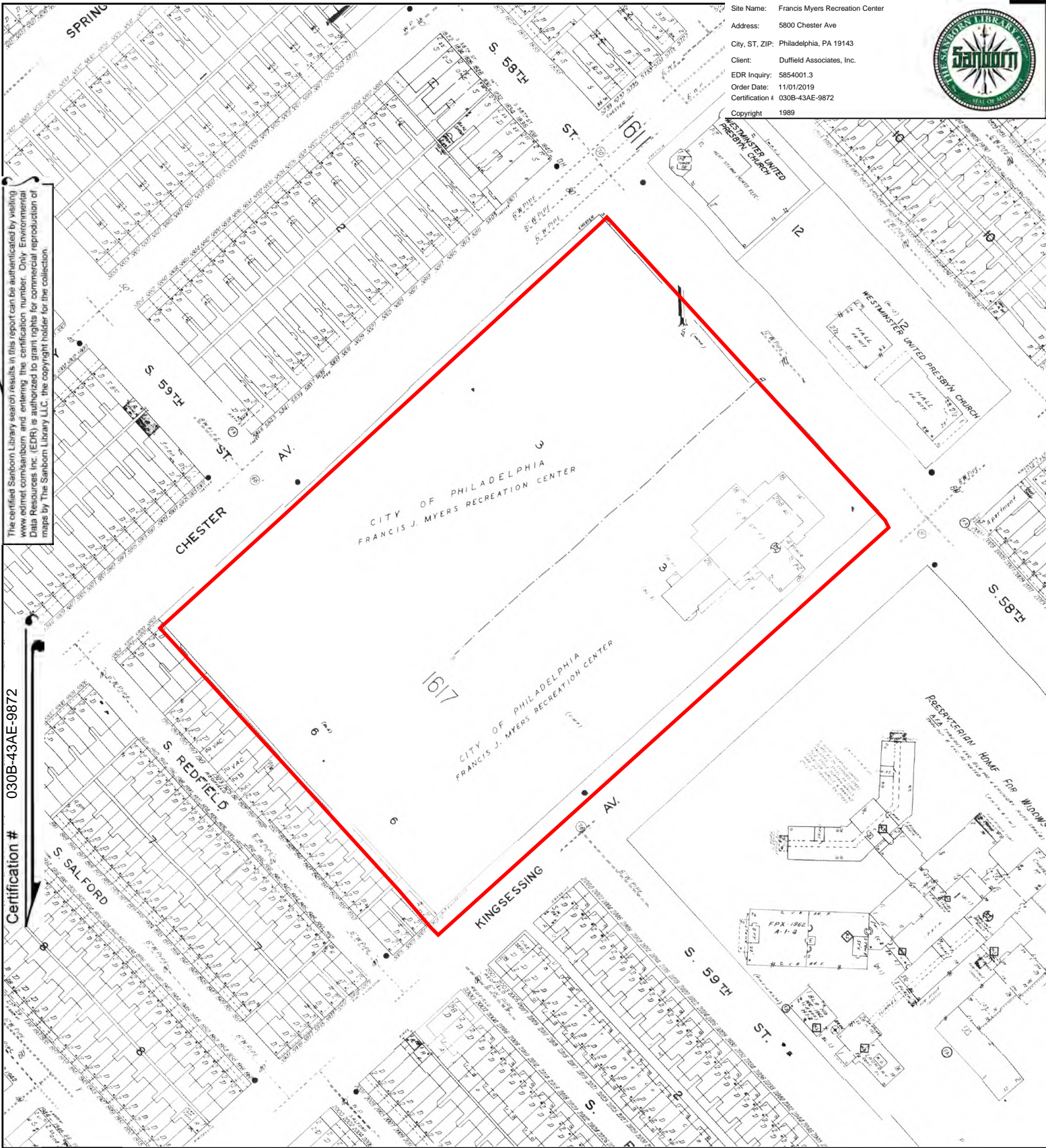
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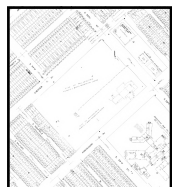
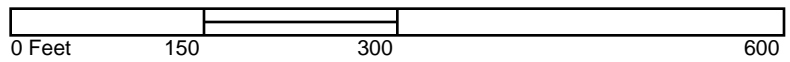
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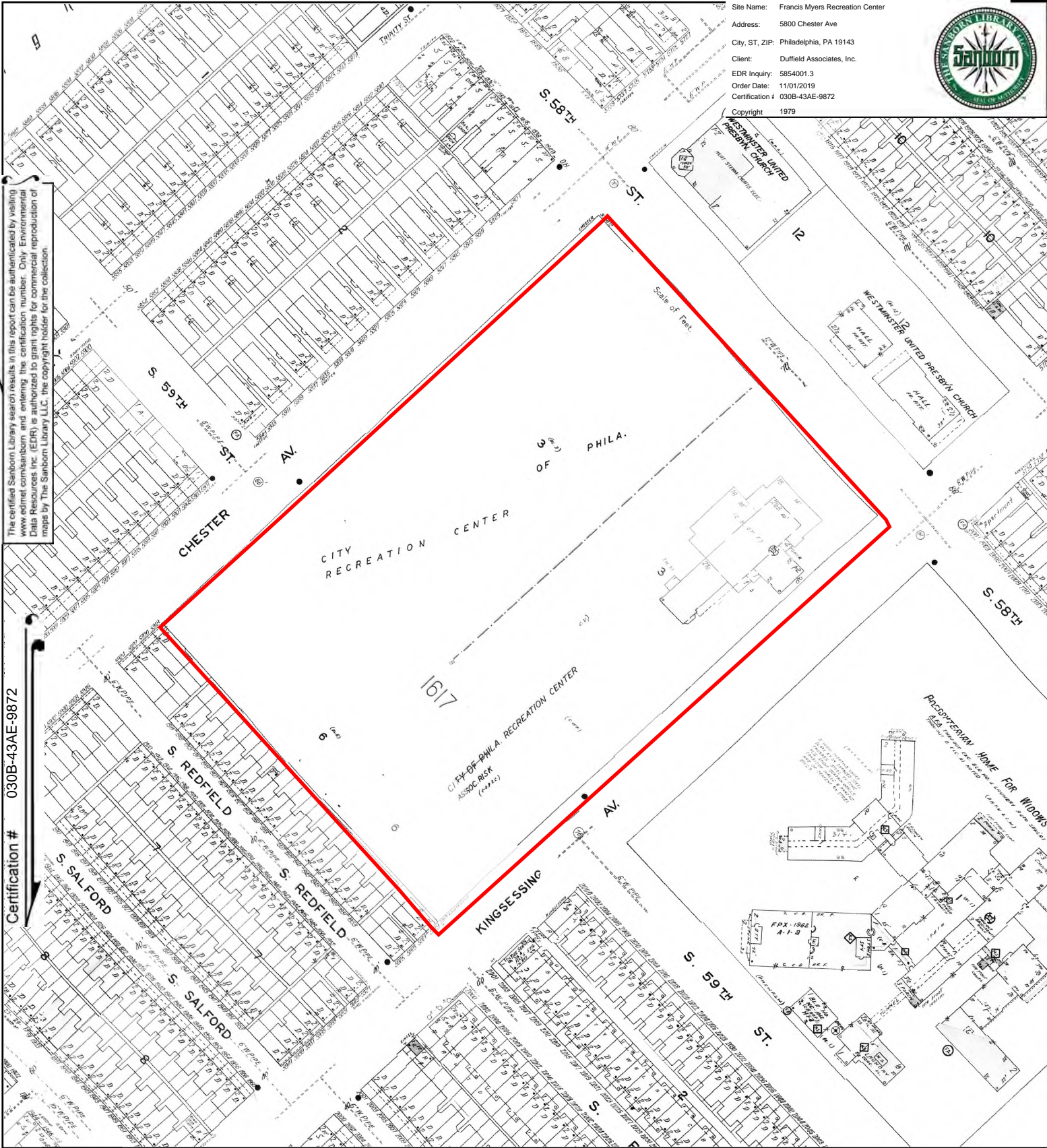


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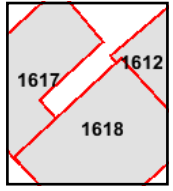
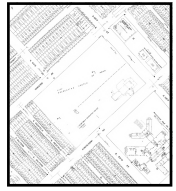


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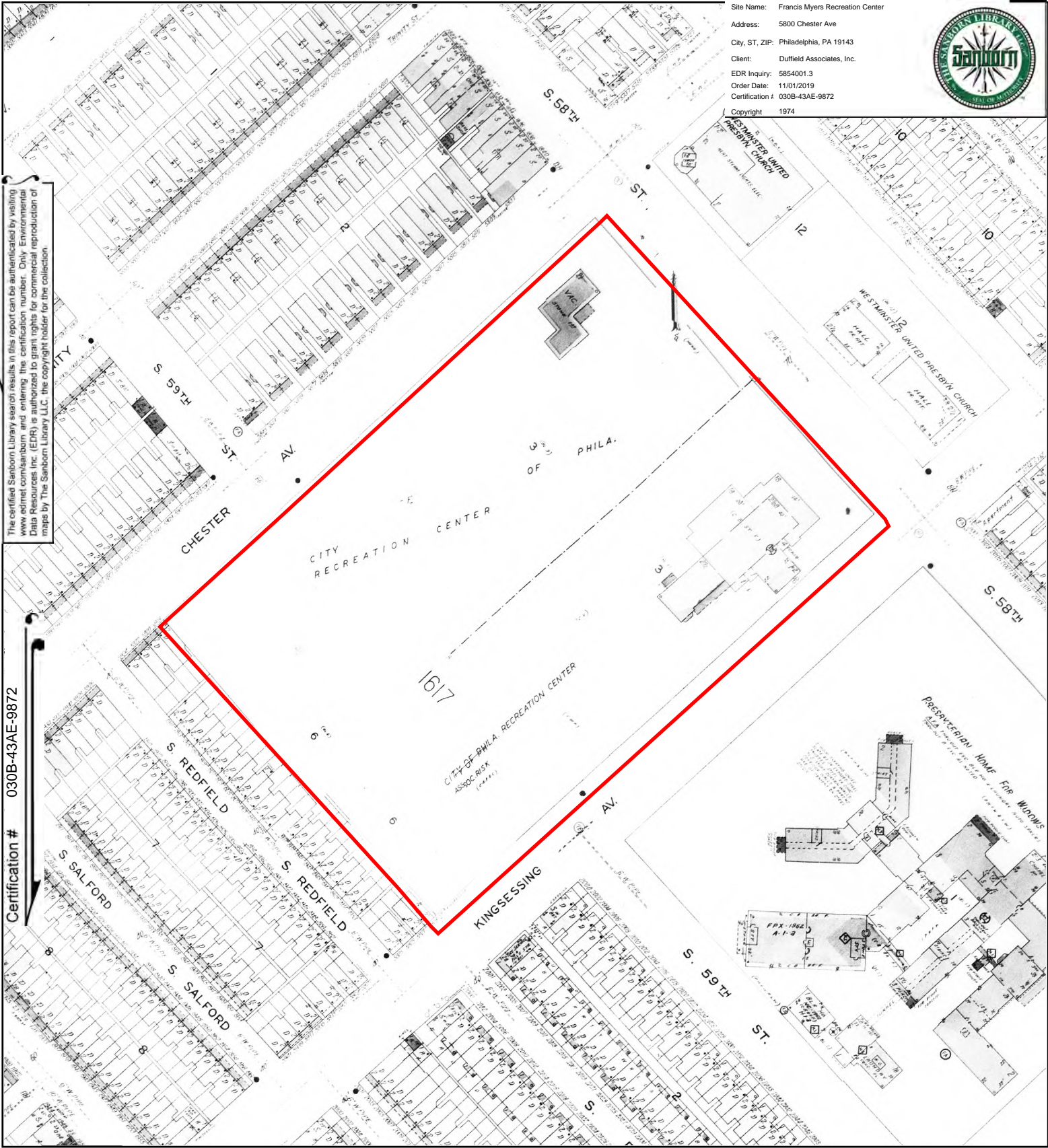


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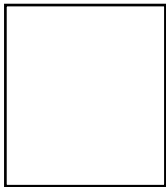
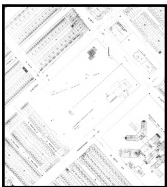


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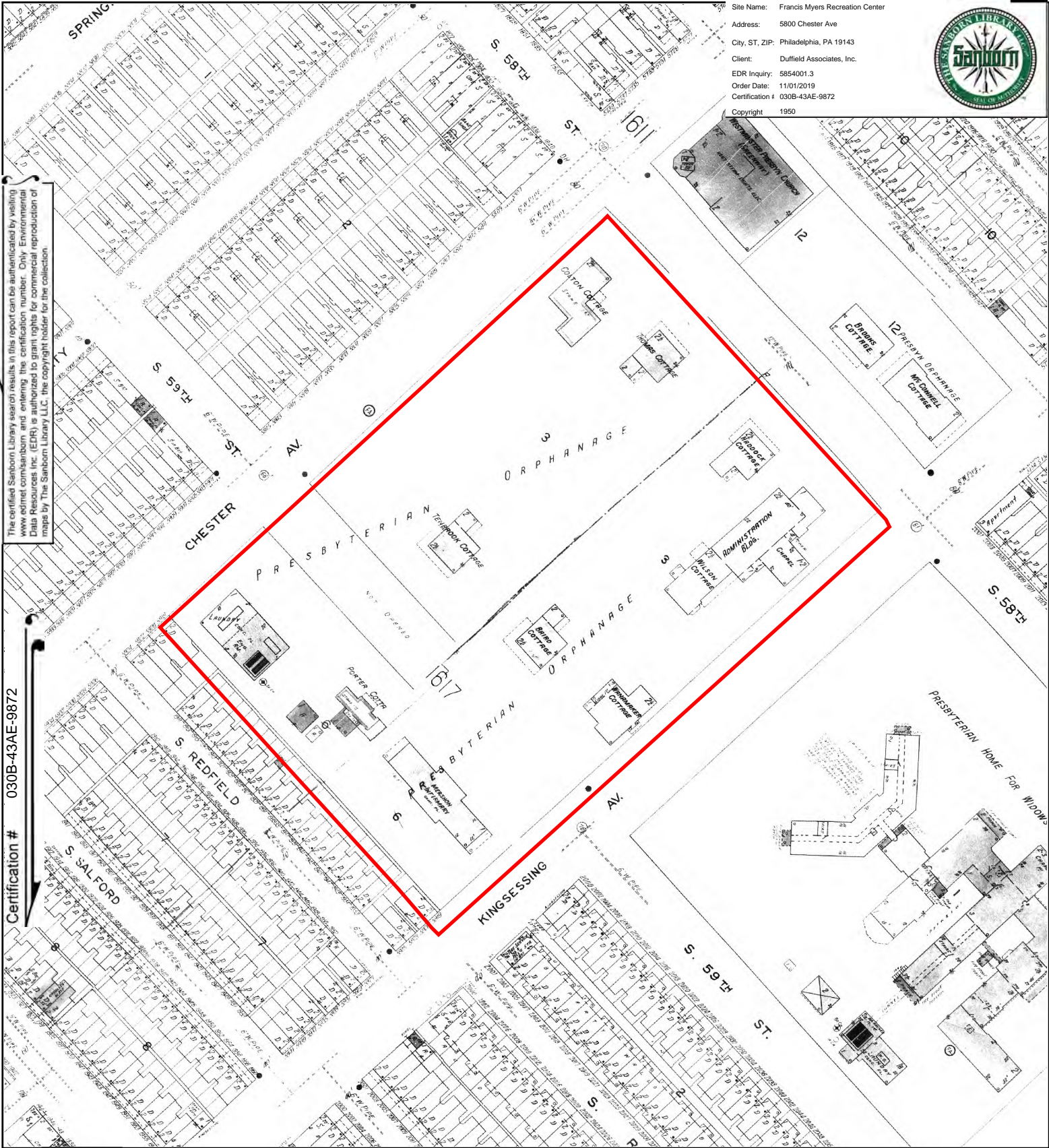
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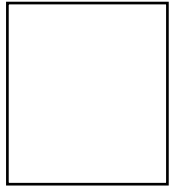
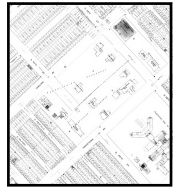
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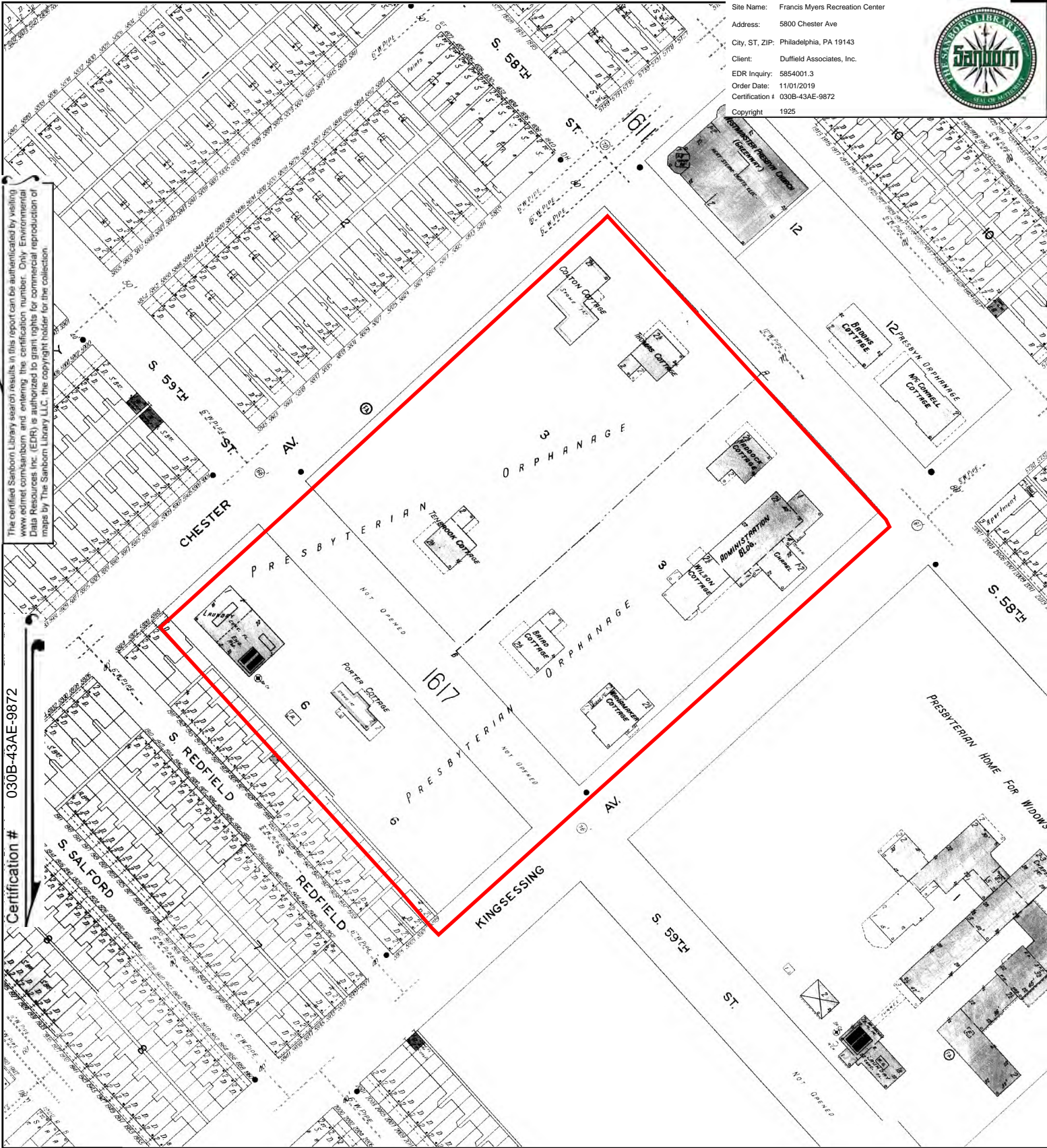
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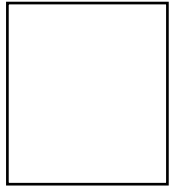
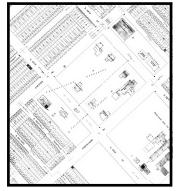
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APPENDIX I

QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONAL

Jennifer L. Gresh, P.G.

Senior Environmental Project Manager/ Environmental Professional

Professional Registration: Professional Geologist – Pennsylvania, Delaware

Education M.S., Geology, University of Delaware, 2002
B.S., Geology, Temple University, 1998

Training/Registrations 40 Hour OSHA Hazardous Materials Operations
City of Philadelphia Asbestos Investigator
Delaware Asbestos Project Monitor
Confined Spaces Permit
EPA AHERA Building Inspector
EPA AHERA Supervisor

Military Experience U.S. Air Force, 1989 – 1994, Honorable Discharge

Background/Skills

Ms. Gresh has over 18 years of experience assessing environmental impact to land, air, and water. Typically impacts are identified during due diligence efforts for land acquisition or in response to regulatory requirements. In her capacity as the Philadelphia Services Leader and as a Senior Environmental Project Manager, Ms. Gresh oversees Phase I and II Environmental Site Assessments, remedial investigation/feasibility studies, Brownfield Investigations, remedial design, health and safety plans, operation and maintenance plans, spill prevention and countermeasure control plans, stormwater plans, aboveground and underground storage tank removals and assessments, and environmental remediation/cleanup projects. Ms. Gresh also has oversight responsibility for asbestos removal, specifications and design. Field experience includes drilling, test pitting and soil boring, soil/sediment sampling and groundwater sampling. Additional experience includes field and subsurface mapping, Ground Penetration Radar, seismic refraction/reflection surveying, Gamma logging, and modeling analytic data.

Selected Project Experience

Contract and Project Manager – Philadelphia Department of Public Property – On-Call Environmental Engineering Services, Philadelphia, PA

Duffield provided environmental consulting services to the Capital Projects Division of the Department of Public Property on an “as needed” basis. Ms. Gresh managed over 100 Work Orders under this contract. Projects have included a variety of services relating to tank compliance testing and reporting, hazardous materials surveys, asbestos, lead, and mold-related services, Phase I/II ESAs, Brownfield-funded assessments, soil contaminant investigations, and Title V consulting services.

Contract and Project Manager - EPA Revolving Loan Fund, Philadelphia, PA

The Philadelphia Authority for Industrial Development (“PAID”) received funding from the USEPA to establish a new revolving loan fund RLF (Revolving Loan Fund) for brownfield remediation in Philadelphia. In support of PAID’s administration of the program Ms. Gresh developed the application document templates, assisted with the development and implementation of a marketing program to solicit applications, assisted PIDC with the development of an applicant ranking system, reviewed applicant eligibility based on the requirements of the EPA and PADEP, and provided oversight of awardees, including review of progress reports.

Contract Manager – Philadelphia Redevelopment Authority – Brownfield Assessments, Philadelphia, PA

The Philadelphia Redevelopment Authority, in partnership with the Mayor’s Office of Sustainability, Philadelphia Parks and Recreation’s FarmPhilly Program, and the Philadelphia Water Department (“the Brownfields Working Group”) was selected to conduct Phase I Environmental Site Assessments (ESAs) of various City-owned properties intended for, or currently used as, community gardens/urban agriculture and/or green stormwater infrastructure. This contract was awarded in the Summer of 2016 and is currently underway.

Contract and Project Manager - Betsy Ross Bridge Improvements, Philadelphia, PA

The Betsy Ross Improvement project required preparation of planning documents for health and safety and soil and groundwater management. Ms. Gresh prepared the documents and managed on-call environmental sampling and analytical services. These services required on-site coordination of environmental concerns, expedited analyses, and daily communication with our client and PADOT.

Senior Consultant - Philadelphia Water Department, Philadelphia, PA.

Duffield Associates provides PWD with consulting services on a variety of projects, including providing opinions of environmental reports submitted as part of the stormwater review process, and performing an evaluation of infiltration criteria. Ms. Gresh in support of this contract, prepared a standard testing protocol for the Philadelphia Water Department for stormwater retrofit project that establishes a benchmark for the requirement for environmental testing and sampling frequency and method protocols that conform to regulatory standards.

Project Manager – Transmontaigne/58th Street Remediation Project, Philadelphia, PA

Ms. Gresh is the manager for the PIDC pilot project under an EPA Brownfield Cleanup Grant and PADEP ISRP Grant. The 26-acre site, a former oil terminal along the Schuylkill River, was underlain with a plume of free-phase petroleum covering approximately 5 acres. Ms. Gresh provided regulatory reporting to both the EPA (Region III Brownfield Coordinator) and PADEP (Southeast Regional Office) Land Recycling Program, regulatory and historic document review, supplemental site assessment, assisted with grant writing, participated in public meetings, reviewed bid specifications and responses, prepared a NPDES permit application for remedial activities, and reviewed remedial activities and contractor request for payment applications as Owner's Representative. Remedial work concluded February 2013. A Final Report for Groundwater was approved by PADEP, providing the owner with Act 2 liability protection for groundwater conditions at this site.

Project Manager - Bartram's Mile, Philadelphia, PA

Philadelphia Parks and Recreation engaged Duffield Associates to assist with remedial planning and design to support construction of Bartram's Mile, which is one mile of currently vacant river frontage along the western banks of the Schuylkill River between Grays Ferry Avenue and 58th Street. Ms. Gresh, as the Project Manager has participated in public meetings and performed Act 2 public notifications, Act 2 site characterization work plans, prepared Act 2 remedial investigation report/risk assessment report and cleanup plan(s), coordinated wetland delineation/permitting/design, provided engineer's opinion of construction costs and stormwater management design solutions.

Project Manager - Brandywine Fibre and Wholesale Electronics (BFWE), Wilmington, DE

Previous uses of the BFWE site included a tannery, a match factory, a fuel blending facility, and a manufacturer of vulcanized fibers. Duffield Associates was engaged by Bank of America to conduct site assessment, remedial planning and design, and oversight under Delaware's Brownfield Program. Bank of America desired unrestricted residential use of the site. To achieve the remedial goals, historical fill materials containing elevated concentrations of metals, polynuclear aromatic hydrocarbons (PAHs), and petroleum were excavated and disposed of offsite. Transportation and disposal of approximately 22,047 tons of non-hazardous materials, 9,784 tons of hazardous materials, and 279 drums of non-hazardous materials were transported and disposed of offsite at the conclusion of remedial activities. For this project, Ms. Gresh also prepared remedial cost estimates, conducted public meetings, prepared bid specifications and conducted regulatory agency coordination. In summary, the remedial action satisfied the objectives of the approved remedial plan, and the soils at the property meet the regulatory standard for residential use.

Project Manager- Wilmington Hospital Expansion Soil Management, Wilmington, DE

During geotechnical evaluations to support the expansion of Wilmington Hospital, petroleum impacted soils were observed. Ms. Gresh designed and oversaw a sampling and analysis program of the area of impact that enabled the preparation of a soil management plan to support site redevelopment. The soil management plan was approved by DNREC's Tank Management Branch and site work was permitted to occur. To date, approximately 11,000 tons of environmentally impacted soils have been removed from the site in accordance with regulatory guidelines. Ms. Gresh also provided support for other environmental issues encountered during construction, to include excavation dewatering permits. The excavation dewatering program provides for pretreatment of water for petroleum compounds prior to discharge. Thus far, approximately 607,000 gallons of water has undergone pre-treatment in advance of discharge to the public wastewater system. This project has received regulatory closure.

Project Manager – Christiana Care Health System Spill Response and AST Audit, Newark, Delaware

Approximately 1,500 gallons of No. 2 fuel oil was released to an on-site storm water management basin. Ms. Gresh monitored cleanup activities, provided liaison services to DNREC for the facility owner, and prepared a site closure report to the satisfaction of DNREC. In response to the release, DNREC conducted an audit of the management of the facility's ASTs. In response to this audit, Ms. Gresh assisted the facility with achieving compliance, which included, but not limited to, tank inspections, training, and preparation of an integrated Spill Prevention and Countermeasure Control (SPCC) Plan and Release Preparedness Plan.

Project Manager- Asbestos Abatement, MV New Jersey and MV Delaware, Delaware River and Bay Authority

Due to the potential for damage to asbestos-containing pipe insulation on engine, generator, and boiler lines, the Delaware River and Bay Authority required delineation and removal of asbestos-containing insulating materials. This project was time-sensitive as the vessel is part of the Cape May-Lewes Ferry. Ms. Gresh oversaw sampling and analysis of insulating materials, assisted with specifications for the abatement, reviewed bid responses and provided oversight during the abatement. This project completed on time and did not adversely affect the ferry schedule.

Project Manager- Penn Terminals, NPDES Consulting Services, Eddystone, PA

Ms. Gresh prepared a stormwater management plan (SMP) for Penn Terminals, a multi-purpose marine terminal located in Eddystone, Pennsylvania, and situated on the Delaware River. The SMP was prepared to comply with Pennsylvania's planning and reporting requirements under the National Pollutant Discharge Elimination System (NPDES), General Permit for Discharges of Stormwater Associated with Industrial Activities (General Permit). The SMP was approved by the regulatory agency, and Ms. Gresh has conducted follow-up inspections to support the facilities' permit compliance reporting.

Project Manager- Soil Assessments for PADEP Management of Fill, Philadelphia, PA

Ms. Gresh has managed numerous projects related to the management of fill during site development. Ms. Gresh has developed sampling plans based on PADEP Bureau of Waste Managements' Management of Fill policy and provided consulting services for soil disposal.

Matthew Staunton

Environmental Scientist

Education/Training B.S., Environmental Science, Stockton University, 2015

Certifications: 40 Hour OSHA HAZWOPER

Background/Skills

In his capacity as an environmental scientist, Mr. Staunton has experience performing environmental related work throughout Pennsylvania and New Jersey. His environmental field experience includes Phase I and II Environmental Site Assessments, groundwater evaluations and monitoring, and soil, groundwater, sediment, and surface water sampling. Office duties have included, technical report writing, GIS mapping and the analysis and interpretation for groundwater and soil data.

Selected Project Experience

Environmental Scientist– Remedial Investigation, Giles and Ransom, Bensalem, PA

The 100+ acre site, a repair and maintenance facility for Caterpillar, had released substances used during daily activity. Mr. Staunton performed groundwater and soil gas and vapor intrusion evaluations at the Giles and Ransom facility in Bensalem, PA to assess current site conditions for the purpose of pursuing closer under Pennsylvania's Land Recycling and Environmental Remediation Standards Act. Project duties include the oversight of the installation of shallow aquifer groundwater wells, deep aquifer groundwater wells, soil gas wells and sub-slab soil gas probes. Sampling duties include quarterly groundwater monitoring of shallow and deep wells, soil, soil vapor, sub-slab, indoor air, ambient air, sediment and surface water sampling. Mr. Staunton is also involved with data interpretation and preparation of reports and figures to update the status of the remedial investigation. This project is on-going.

Environmental Scientist – Phase I Environmental Site Assessments, PA/NJ

Mr. Staunton has worked closely with clients to perform Phase I Environmental Site Assessments throughout Pennsylvania, Delaware, New Jersey, and Maryland. This work included reviewing selected historical and regulatory information pertaining to the properties and nearby lands, and performing walking visual reconnaissance in accordance with ASTM "Standards and Practices for All Appropriate Inquiries" in order to identify recognized environmental conditions at the properties.

Environmental Scientist – Phase II Environmental Site Assessments (ASTM E 1527), NJ

Working closely with clients, Mr. Staunton has performed Phase II Environmental Site Assessments throughout New Jersey. Mr. Staunton's responsibilities included the design of soil sampling and analysis plans and monitoring, logging and collecting soil samples through Geoprobe, hand auguring and test pit methods. Mr. Staunton has evaluated analytical data and has assisted with Phase II Environmental Site Assessment reports.

Environmental Scientist– Underground Storage Tank Removal, NJ

Working with the regulatory authority in the state of New Jersey, Mr. Staunton provided field oversight of the removal of underground storage tank systems at various location through the New Jersey area. Mr. Staunton's specific roles included reviewing the subsurface conditions surrounding the tank for potential petroleum-impacted soils and collecting samples for analysis. In addition, Mr. Staunton reviewed analytical results and generated an assessment report.

Environmental Scientist – Environmental Oversight, Richard A. Rutkowski Park Remediation Project, Bayonne, NJ

Working closely with Honeywell International, Inc. and Wood PLC., Mr. Staunton provided environmental oversight relating to remediation and construction activities at the Rutkowski Park. Specific duties included on-site health and safety supervisor, developing and reviewing remediation plans (scheduling and budgeting), review of subsurface conditions and report writing during the few months of remediation.

GIS Associate –Geographic Information Systems for Transportation Sectors, NJ/PA/RI/CA/TX

Mr. Staunton was responsible for spatial data collection, analysis, map production (using ArcMap and ArcGIS Online), managing field crews, and database updates for numerous public and private transportation corporations. Field work included Lidar collection and Laser Crack Measurement System (LCMS) collection.

APPENDIX J

ASBESTOS AND LEAD-BASED PAINT INSPECTION REPORT



228 Moore Street • Philadelphia, Pennsylvania 19148 • Phone 215-755-2305 • Fax 215-755-2405

January 21, 20 *Revised on* April 30, 2021

Ms. Jennifer Gresh
Duffield Associates
211 North 13th Street
Philadelphia, PA 19107

Re: *Revised Report for Environmental Investigation (ACM & LBP) & Sampling*
Francis Myers Recreation Center
5801 Kingsessing Avenue, Philadelphia, Pennsylvania
Synertech Incorporated Project No. 632-221 & 632-221-2

Dear Ms. Gresh:

Introduction

As directed by your office, *Synertech Incorporated* conducted an environmental investigation throughout the Francis Myers Recreation Center building which is located at 5801 Kingsessing Avenue, Philadelphia, Pennsylvania. The scope of the investigation focused on locating and quantifying Asbestos Containing Materials (ACMs) and Lead Based Paint (LBP)/Lead Containing Coatings (LCC) that may be present throughout the building prior to planned renovations and/or demolition. This report is a summary of the findings and testing data.

Asbestos Investigation

The asbestos investigation focused on all areas throughout the building with the exception of the roofing materials. No destructive demolition was performed to access concealed areas of any spaces. A City of Philadelphia Asbestos Investigator collected bulk samples of suspect ACMs located throughout all areas and generated a list of all identified homogeneous areas (HA). When conducting an asbestos inspection, the various suspect asbestos containing building materials are grouped into “homogeneous areas” for sampling and assessment. A homogeneous area is defined as an area of a particular material that is uniform in color, texture, application, date of installation and function and is believed to be similar in all other aspects. Samples of each homogenous area (material) are then collected to determine its asbestos content.

An ACM is defined as one that has a composition of **greater than** one (1%) percent asbestos by weight. Upon confirmation of a material to be asbestos containing, a physical assessment is provided to document its quantity, condition, and friability classification. The friability of a material is a term used to describe a physical property of suspect asbestos containing materials. A friable material is one that, when dry, can be crushed and reduced to a powder by hand pressure. Conversely, a non-friable material is one that, when dry, cannot be crushed and reduced to a powder by hand pressure. Refer to more detailed definitions of friable and non-friable asbestos containing materials presented on the following page.

- ☐ **Environmental Protection Agency (EPA) Category I Non-friable ACM (NF1)**
Non-friable Category I ACMs (i.e. roofing, flooring and gaskets) cannot be reduced to a powder by hand pressure or crumbled between the fingers. Non-friable Category I asbestos fibers remain bound within the matrix of the material. These types of materials pose no hazard of releasing asbestos fibers into the air unless rendered friable by activities including sanding, grinding, pulverizing, cutting or penetrating with power tools, or otherwise reducing to a powder. Mere cracking or minor breakage does not constitute the type of damage that would be considered as rendering the material friable.

- ☐ **EPA Category II Non-friable ACM (NF2)**
Non-friable Category II ACMs (i.e. onsite, cementitious products, woven cloth, woven wire insulation) cannot be reduced to a powder by hand pressure or crumbled between the fingers. Non-friable Category II asbestos fibers remain bound within the matrix of the material. These types of materials pose no hazard of releasing asbestos fibers into the air unless rendered friable by activities including breaking, sanding, grinding, pulverizing, cutting or penetrating with power tools, or otherwise reducing to a powder. However, minor breakage does constitute the type of damage that would be considered as rendering these types of materials friable, as asbestos fibers may be released along the fractured surfaces or from the edges exposed by the breakage.

- ☐ **EPA Regulated Friable ACM (FRI)**
Friable ACMs (i.e. thermal system insulation, plaster, linoleum backing) can be reduced to a powder by hand pressure or crumbled between the fingers. Asbestos fibers can be readily released into the environment and pose a significant hazard if impacted or damaged in any way.

The investigation team evaluated all accessible spaces for cataloging and sampling each homogeneous material. Appropriate extrapolation to assign types and quantities of potential ACMs concealed behind structural components was utilized in instances where known ACM was observed in exposed locations that extended beyond and behind structural surfaces.

All bulk samples were analyzed by EMSL Analytical of Mt. Laurel, New Jersey (NIST-NVLAP No. 101048-0; AIHA Lab No. 100194). Bulk samples were analyzed via Polarized Light Microscopy (PLM), method EPA 600/R-93/116, the standard method of analysis for asbestos content in building materials.

Summary of Findings – Asbestos Investigation

Results – Suspect Asbestos Containing Material Bulk Sampling

The following table lists the homogeneous materials identified during inspection:

HM ID	SAMPLE #	DESCRIPTION	SAMPLE LOCATION	CLASSIFICATION
A	1,2	Paper “Air Cell” Pipe Insulation	1 - Basement – Center Area 2 - Basement – Equipment Storage Room	FRI 60% Chrysotile
B	3,4,5	Pipe Fitting Insulation a/w Fiberglass	3 - Basement – Center Area 4 – Basement - Front Sprinkler Pipe Area 5- Basement – “Pottery Rm. At Front - Debris	Non Asbestos (<1% Chrysotile)
C	6,7,8	Wall Parging Mortar	Basement – “Pottery Rm. At Front - Debris	Non Asbestos
D	9,10	Textured Wall Parging	Basement – Storage near North Stairs	Non Asbestos

HM ID	SAMPLE #	DESCRIPTION	SAMPLE LOCATION	CLASSIFICATION
E	11,13,15	White Top Coat Wall Plaster	Basement – Large Center Area	Non Asbestos
F	12,14,16	Base Coat Wall Plaster	Basement – Large Center Area	Non Asbestos
G	17	Brown Particle Board Wall Material	Basement – Large Center Area	Non Asbestos
H	18,20,22	White Plaster Debris	Basement – Large Center Area	Non Asbestos
I	19,21,23	Base Coat Plaster Debris	Basement – Large Center Area	Non Asbestos
J	24	Joint Compound	Basement – North Stair Wall	Non Asbestos
K	25	Drywall	Basement – North Stair Wall	Non Asbestos
L	26,28	Grey Top Layer Floor Tile	26-1 st Fl. o/s Large Game Room 28-1 st Fl. North Hallway	Non Asbestos
M	27,29	Yellow Adhesive a/w 26	27-1 st Fl. o/s Large Game Room 29-1 st Fl. North Hallway	Non Asbestos
N	30,33	Carpet Adhesive	1 st Fl. NE Community Room (adj. exit stairwell)	Non Asbestos
O	31	Tile below Carpet	1 st Fl. NE Community Room (adj. exit stairwell)	Non Asbestos
P	32	Black mastic a/w #31	1 st Fl. NE Community Room (adj. exit stairwell)	Non Asbestos
Q	36	Tan with Red Streak 9”x9” Tile	1 st Fl. Small Office adj. Community Rm.	NF1 (4% Chrysotile)
R	37	Black Mastic a/w #36	1 st Fl. Small Office adj. Community Rm.	Non Asbestos
S	38	Black Vapor Barrier below #36	1 st Fl. Small Office adj. Community Rm.	Non Asbestos
T	39,41	Tan with Blue Top Layer 9”x9” Tile	1 st Fl. North Storage Room	NF1 (2% Chrysotile)
U	40,42	Black mastic a/w #39	1 st Fl. North Storage Room	Non Asbestos
V	43	Joint Compound	1 st Fl. Computer Room	Non Asbestos
W	44,45	Wall Plaster	1 st Fl. Computer Room-Closet	Non Asbestos
X	46	2’x4’ Acoustical Ceiling Tile	1 st Fl. Computer Room	Non Asbestos
Y	47	Foil & Black Wrap a/w Fiberglass Pipe Insulation	1 st Fl. Computer Room	Non Asbestos
Z	48	Blue Sheet Flooring	1 st Fl. Bathroom adj. to Auditorium Storage Rm.	Non Asbestos
AA	49,53	Tan with Grey Spec 12”x12” Floor Tile	2 nd Fl. Main Hallway 2 nd Fl. Entry to Library	Non Asbestos
BB	50,54	Black Mastic a/w 49	2 nd Fl. Main Hallway 2 nd Fl. Entry to Library	Non Asbestos
CC	51,56	Brown/Red Bottom Floor Tile (below tile & Luan)	51-2 nd Fl. Hallway o/s Library 56- Hallway o/s Storage Rm.	NF1 (6% Chrysotile)
DD	52,57	Mastic a/w #51	52-2 nd Fl. Hallway o/s Library 57- Hallway o/s Storage Rm.	Non Asbestos
EE	55	Leveling Compound below #51 & #56	2 nd Fl. Hallway o/s Library	Non Asbestos
FF	58,81	Tan with Brown Spec 9”x9” Floor Tile	58-2 nd Fl. North Corner Office 81-2 nd Fl. Common Area o/s East Bathroom	NF1 (2% Chrysotile)
GG	59	Mastic a/w #58	2 nd Fl. North Corner Office	Non Asbestos
HH	60	Vapor Barrier below #58	2 nd Fl. North Corner Office	Non Asbestos
II	61,63	Faux Parque “Self-Stick” Floor Tile	61-2 nd Fl. Common Area o/s North Rm. 63-2 nd Fl. Open Area o/s Bathroom	Non Asbestos
JJ	62,64	Adhesive a/w 61/63	62-2 nd Fl. Common Area o/s North Rm. 64-2 nd Fl. Open Area o/s Bathroom	Non Asbestos
KK	65,67	Tan Top Coat Wall Plaster	65-2 nd Fl. Hallway o/s North Corner Office 67-2 nd Fl. Open Area – East Wall	Non Asbestos

HM ID	SAMPLE #	DESCRIPTION	SAMPLE LOCATION	CLASSIFICATION
LL	66,68	Grey Base Coat Wall Plaster	66-2 nd Fl. Hallway o/s North Corner Office 68-2 nd Fl. Open Area – East Wall	Non Asbestos
MM	69,71,73	Top Coat Plaster	69-2 nd Fl. Library 71-2 nd Fl. Dance Studio 73-2 nd Fl. East Bathroom	Non Asbestos (<1% Chrysotile)
NN	70,72,74	Base Coat Plaster	70-2 nd Fl. Library 72-2 nd Fl. Dance Studio 74-2 nd Fl. East Bathroom	Non Asbestos
OO	75,77	Grey Top Layer 12"x12"	2 nd Fl. East Bathroom	Non Asbestos
PP	78	Mastic a/w #77	2 nd Fl. East Bathroom	Non Asbestos
QQ	79,80	Tan Leveling Compound below Grey 12"x12" Floor Tile	2 nd Fl. East Bathroom	Non Asbestos
RR	82,83	1'x1' Acoustical Ceiling Tile	82-2 nd Fl. Library 83-2 nd Fl. Dance Studio	Non Asbestos
SS	84,85	2'x4' Acoustical Ceiling Tile	84-2 nd Fl. Library 85-2 nd Fl. Dance Studio	Non Asbestos
TT	86,87	Brown Adhesive a/w #82/83	86-2 nd Fl. Library 87-2 nd Fl. Dance Studio	Non Asbestos
UU	88	Tan Setting Bed Mortar a/w Ceramic Tile	2 nd Fl. North Bathroom	Non Asbestos
VV	89	Yellow Ceramic Wall Tile	2 nd Fl. North Bathroom	Non Asbestos
WW	90	Tan Setting Bed Mortar a/w Ceramic Tile	2 nd Fl. North Bathroom	Non Asbestos
XX	91	Yellow Ceramic Wall Tile	2 nd Fl. North Bathroom	Non Asbestos
YY	92	Yellow Adhesive a/w #91	2 nd Fl. North Bathroom	Non Asbestos
ZZ	93,94,95	Tan Plaster behind Radiators	93,95-2 nd Fl. Library 94-2 nd Fl. Dance Studio	Non Asbestos
A-1	96	Tan Vinyl Sheet Flooring	2 nd Fl. North Stair Landing	Non Asbestos
B-1	97	Faux Parquet Wood Floor Tile	2 nd Fl. Storage Rm. Across from Kitchen	Non Asbestos
C-1	98,99,100	Wall Plaster	3 rd Fl. Attic Areas	Non Asbestos
D-1	101,103	9"x9" Floor Tile	3 rd Fl. Stair Landing	Non Asbestos
E-1	104	Black Mastic a/w #103	3 rd Fl. Stair Landing	Non Asbestos
Annex Areas				
F-1	105	Joint Compound	1 st F. Conference Room	Non Asbestos
G-1	106,109	"Thin-set" Mortar a/w Ceramic Tiles	3 rd Fl. Bathrooms	Non Asbestos
H-1	107,110,113	Skim Coat Plaster	2 nd & 3 rd Floors	Non Asbestos
I-1	108,111,114	Base Coat Plaster	2 nd & 3 rd Floors	Non Asbestos (<0.25 Chrysotile)
J-1	112	1'x1' Ceiling Tile	Basement	Non Asbestos
K-1	115	Red Sheet Flooring	3 rd Fl. - Hallway	Non Asbestos
L-1	116	Wire Wrap Insulation	2 nd Fl. Hallway	Non Asbestos
M-1	117	Tan 9"x9" Floor Tile	2 nd Floor	NF1 (2% Chrysotile)
N-1	118	Black Mastic a/w Tan 9"x9" Floor Tile	2 nd Floor	Non Asbestos
O-1	119	Textured Wall Plaster	Basement-Bathroom	Non Asbestos
P-1	120	Base Wall Plaster	Basement-Bathroom	Non Asbestos

Continued

HM ID	SAMPLE #	DESCRIPTION	SAMPLE LOCATION	CLASSIFICATION
Q-1	121	Blue 12"x12" Floor Tile	1 st Fl. Bathrooms	Non Asbestos
R-1	122	Base Wall Plaster Parging	Basement	Non Asbestos
S-1	123,127	Grey Floor Tile below Plywood	1 st Fl. Conf. Room	NF1 (3% Chrysotile)
T-1	124,128	Black Mastic a/w Grey Floor Tile below Plywood	1 st Fl. Conf. Room	Non Asbestos
U-1	125	Red Floor Tile	3 rd Floor	NF1 (5% Chrysotile)
V-1	126	Black Mastic a/w Red Floor Tile	3 rd Floor	Non Asbestos

HM ID = homogeneous material identification NF1 = EPA Category I Non-friable ACM
a/w = associated with FRI = EPA Regulated Friable ACM

Detailed Listing of Asbestos Containing Materials

Location(s)	Material	Approximate Amounts of ACM	Philadelphia Asbestos Control Regulation Classification	Condition
Basement				
Large Center Open Area	Asbestos Containing Pipe & Pipe Fitting Insulation (ACPI/ACPFs)	245 Linear Feet	FRIABLE-MAJOR	Damaged
Large East Area "Wing" below Auditorium	Asbestos Containing Pipe & Pipe Fitting Insulation (ACPI/ACPFs)	35 Linear Feet	FRIABLE-MAJOR (combined with Large Center Open Area)	Damaged
South Equip. Storage Rm. ("Harry's Room")	Asbestos Containing Pipe & Pipe Fitting Insulation (ACPI/ACPFs)	15 Linear Feet	FRIABLE-MINOR	Damaged
Common Hall o/s North Stairs	Asbestos Containing Pipe & Pipe Fitting Insulation (ACPI/ACPFs)	5 Linear Feet	FRIABLE-MINOR	Damaged
Various Crawlspace	Asbestos Containing Pipe & Pipe Fitting Insulation (ACPI/ACPFs)	Quantity Undetermined	N/A	N/A
1st Floor				
Gymnasium (assumed to be present)	Vapor Barrier/Mastic below Gym Floor	5,670 Square Feet	NON-FRIABLE	N/A
NE Community Room (adj. to Exit Stairs)	Asbestos Containing Vinyl Floor Tile below Non-Asbestos Tile and Plywood	310 Square Feet	Good	FRIABLE-MAJOR
All Common Halls	Asbestos Containing Vinyl Floor Tile below Non-Asbestos Tile and Plywood	960 Square Feet	Good	FRIABLE-MAJOR

Location(s)	Material	Approximate Amounts of ACM	Philadelphia Asbestos Control Regulation Classification	Condition
Office adj. Community Room & Closets	Asbestos Containing Vinyl Floor Tile below Non-Asbestos Tile and Plywood	170 Square Feet	Damaged	FRIABLE-MAJOR
	Radiator heat Shield Insulation (ASSUMED to be present behind radiator)	16 Square Feet	N/A	FRIABLE-MAJOR (combined with floor tile)
North Office Areas & Closets	Asbestos Containing Vinyl Floor Tile below Non-Asbestos Tile and Plywood	456 Square Feet	Good	FRIABLE-MAJOR
North Storage adj. to Exit Stairs	Top Layer Asbestos Containing Vinyl Floor Tile below Plywood	120 Square Feet	Damaged	FRIABLE-MAJOR
	Radiator heat Shield Insulation (ASSUMED to be present behind radiator)	16 Square Feet	N/A	FRIABLE-MAJOR (combined with floor tile)
Storage Rm. Adj. Large Auditorium	Asbestos Containing Vinyl Floor Tile below Non-Asbestos Tile and Plywood	168 Square Feet	Good	FRIABLE-MAJOR
Game Room adj. Gym	Asbestos Containing adhesive a/w 1'x1' Ceiling Tile (ASSUMED to be present-inaccessible - heights)	450 Square Feet	Good	NON-FRIABLE
South Stair Landings	Asbestos Containing Vinyl Floor Tile	180 Square Feet	Good	NON-FRIABLE/ FRIABLE-MAJOR
2nd Floor				
Throughout	ACPI (ASSUMED to be present inside of wall and ceiling cavities)	QU	N/A	FRIABLE-MAJOR
North Corner Office/Room	Asbestos Containing Vinyl Floor Tile	315 Square Feet	Good	FRIABLE-MAJOR
Large Open Area & Halls o/s Kitchen & Storage Rooms	Asbestos Containing Vinyl Floor Tile below Non-Asbestos Floor Tile	510 Square Feet	Good	FRIABLE-MAJOR
Kitchen	Asbestos Containing Vinyl Floor Tile below Non-Asbestos Floor Tile	130 Square Feet	Good	FRIABLE-MAJOR
Storage Rm. across from Kitchen	Asbestos Containing Vinyl Floor Tile below Non-Asbestos Floor Tile	110 Square Feet	Good	FRIABLE-MAJOR
Main Large Hallway	Asbestos Containing Vinyl Floor Tile below Non-Asbestos Tile and Plywood	580 Square Feet	Good	FRIABLE-MAJOR
SW Library Room	Asbestos Containing Vinyl Floor Tile below Non-Asbestos Tile and Plywood	750 Square Feet	Good	FRIABLE-MAJOR

Location(s)	Material	Approximate Amounts of ACM	Philadelphia Asbestos Control Regulation Classification	Condition
Dance Studio	Asbestos Containing Vinyl Floor Tile below Non-Asbestos Tile and Plywood	705 Square Feet	Good	FRIABLE-MAJOR
Common Area o/s NE Bathrooms	Asbestos Containing Vinyl Floor Tile	40 Square Feet	Good	NON-FRIABLE
Throughout	ACPI (ASSUMED to be present inside of wall and ceiling cavities)	QU	N/A	FRIABLE-MAJOR
Annex Areas				
1st Floor				
Throughout – All Rooms/Areas	Asbestos Containing Vinyl Floor Tile below Non-Asbestos Tile/Carpet and Plywood	1,958 Square Feet	Good	FRIABLE-MAJOR
2nd Floor				
Throughout – All Rooms/Areas & Stairwell Landings (except Bathrooms)	Tan 9”x 9” Asbestos Containing Vinyl Floor Tile	1,800 Square Feet	Damaged	FRIABLE-MAJOR
3rd Floor				
Front-Center Room	Red 9”x 9” Asbestos Containing Vinyl Floor Tile	270 Square Feet	Good	NON-FRIABLE
Exterior				
Cementitious Roof Shingles & Other Roofing Materials	Cementitious Roof Shingles	13,756	Good	NON-FRIABLE
Gym	Roofing Materials	6,170	Good	NON-FRIABLE

Please make note of the following items:

- ☐ VAT was confirmed to be present below non-asbestos floor tile and and/or plywood at various locations throughout the building. Although the floor tiles are classified as a non-friable material, removal of the VAT will likely result in breakage and thus rendering the VAT friable, therefore, the abatement classification as per the Phila. Asbestos Control Regulation is listed as “FRIABLE”.
- ☐ No destructive demolition to ceilings was performed to expose concealed ACMs; **therefore, additional quantities of ACMs must be assumed to be present inside of ceiling/pipe penetrations.**

- ☐ **The hard mud pipe fitting insulation that is associated with fiberglass pipe insulation throughout the building was reported to have a trace amount (<1%) of chrysotile asbestos which makes this material an unregulated non-asbestos material. However, since the Occupational Safety and Health Administration (OSHA), which sets and enforces protective workplace safety and health standards, is unconcerned about the amount of asbestos in building materials, rather the concern is for potential worker exposure to asbestos hazards.** Any work involving impact to fitting insulation containing any amount of asbestos shall be performed in accordance with the OSHA asbestos standards for the construction and general industries. These standards reduce the risk to workers by requiring that employers provide personal exposure monitoring to assess the risk for operations where there is any potential exposure to asbestos.

- ☐ The plaster throughout the all areas of the building was reported to have a trace amount (<1%) of chrysotile asbestos which makes this material an unregulated non-asbestos material. However, since the Occupational Safety and Health Administration (OSHA), which sets and enforces protective workplace safety and health standards, is unconcerned about the amount of asbestos in building materials, rather the concern is for potential worker exposure to asbestos hazards. Any work involving impact to plaster containing any amount of asbestos shall be performed in accordance with the OSHA asbestos standards for the construction and general industries. These standards reduce the risk to workers by requiring that employers provide personal exposure monitoring to assess the risk for operations where there is any potential exposure to asbestos.

Considering the information provided above for materials reported to have trace amounts of chrysotile asbestos, the options for the removal of these materials are listed below:

- ☐ If the plaster or pipe fitting insulation (associated with fiberglass pipe insulation) is planned to be demolished/removed or impacted, conduct a negative exposure assessment of workers impacting the plaster to determine if results are below the OSHA Permissible Exposure Limit (PEL) of 0.1 fibers/cm³ for an 8-hour Time Weighted Average.
- ☐ The use of minimal engineering controls, such as work area isolation utilizing critical barriers and nominal negative pressure air filtration are recommended during the removal/impact to these materials.
- ☐ All waste can be transported and disposed as ordinary construction debris.
- ☐ **Inaccessible Area** – Only a portion of the attic space (south side) was accessible for inspection due to compromised flooring which was determined to be unsafe; therefore, it must be assumed that ACPI is present in the areas not accessible for inspection.
- ☐ **Inaccessible Area** – The crawlspaces accessed from the basement are considered confined spaces and could not be inspected without a confined space assessment being performed to ensure the spaces are safe for entry.

Non-Asbestos Containing Materials

The following materials were confirmed to be **non-asbestos containing**:

- ☐ All fiberglass pipe insulation;
- ☐ All drywall and associated joint compound;
- ☐ All mastics associated with all floor tiles;
- ☐ All 12”x12” floor tiles;
- ☐ All smooth top coat and base coat wall and ceiling plaster (<1% chrysotile);
- ☐ All acoustical ceiling tiles;
- ☐ All vinyl sheet flooring material;
- ☐ All “setting bed” mortar associated with ceramic tiles;

Pre-Demolition Abatement Requirements

- ☐ **All friable and NF2** asbestos-containing materials **must be removed prior to demolition.**
- ☐ *Synertech Incorporated* recommends that all NF1 asbestos-containing materials be removed prior to demolition; however, if NF1 asbestos-containing materials are left in place, all demolition debris contaminated with, or adhered to any NF1 ACMs, must be disposed as non-friable asbestos waste.
- ☐ Any assumed asbestos-containing roofing waste must be separated from other non-asbestos construction and demolition waste and properly disposed of at a landfill that accepts non-friable asbestos containing waste.

NOTE: Testing of roofing materials prior to the start of any demolition may be considered to be performed to definitively determine the asbestos content, if any, in any roofing field or flashing materials.

Pre-Renovation Abatement Requirements

- ☐ Any ACM that is anticipated to be impacted by demolition and/or renovation activities must be properly removed as per the Philadelphia Asbestos Control Regulation (ACR) prior to these activities.
-

Introduction

As requested by your office, *Synertech Incorporated* representative John P. Fiorelli, Pennsylvania licensed lead inspector/risk assessor # 004799, performed lead paint testing via XRF throughout the Francis Myers Recreation Center Building. The survey and testing were performed to locate any Lead Based Paint (LBP) or Lead Containing Coatings (LCC) that may be present throughout building prior to planned renovations and/or demolition. This report is a summary of the findings and testing data.

Synertech Incorporated conducts all investigational LBP work according to all pertinent regulations, including HUD, OSHA, the Nuclear Regulatory Commission, Commonwealth of Pennsylvania's DER - Bureau of Radiation Protection and the Resource Conservation and Recovery Act (RCRA). The HUD guidelines provide the most comprehensive national compilation of technical protocols, practices and procedures for Lead Based Paint testing, abatement, worker protection, cleanup, and disposal. However, for the purposes of this survey, representative XRF testing of all building components was performed.

Diagnostic testing was performed using a portable X-Ray Fluorescence (XRF) Spectrum Analyzer (The Niton XLp 300 Spectrum Analyzer as manufactured by the Thermo Scientific Corporation). An XRF detector is a portable instrument that a lead inspector can carry to the job site. The instrument contains a sealed "source" that emits radioactive energy in the form of gamma rays. When the source is activated and exposed to a surface for testing, the material within its field of view will be "excited". Each element, when exposed to gamma rays above its "absorption edge", will fluoresce. Once fluoresced, the element will emit x-ray energies. If lead is present within the tested material, it will emit a characteristic frequency of radiation; the XRF reads the intensity of this radiation, which is related to the amount of lead in the paint. The unit was calibrated prior to testing to ensure that the unit is operating within acceptable ranges.

- ❑ LBP is defined by the City of Philadelphia Department of Health to contain equal to or greater than 0.70 mg/cm² via XRF.
- ❑ LBP is defined by the Federal Department of Housing & Urban Development (HUD) and Environmental Protection Agency (EPA) to contain equal to or greater than 1.00 mg/cm² lead via XRF.
- ❑ The OSHA definition correlates to a PRESENT or ABSENT lead content in paints and coatings. OSHA considers results greater than 0.00 mg/cm² lead via XRF a Lead Containing Coating (LCC).

Summary of Results for XRF Testing

The tables below list the components confirmed to be lead containing via XRF testing:

Please Note: Regarding entries in the "Wall" column, Direction "A" corresponds to the main front entry wall of the building for common areas and "A" corresponds to the entry door wall for interior room within the building. Direction "B" corresponds to the next adjacent wall in a clockwise direction and so forth for directions "C" and "D".

LBP and LCC Components					
Location	Wall	Component	>OSHA Threshold	>HUD/EPA Threshold	>CoP DoH Threshold
2nd Floor					
Halls	All	Plaster Walls & Ceilings	X	X	X
Library Room	All	Plaster Walls & Ceilings	X	X	X
	C	Window Frames & Casings	X		
Dance Studio	All	Walls & Ceiling	X		
	D	Cabinets	X		
Hall Utility Closet	All	Ceramic Wall Tiles	X	X	X
	All	Roof Drain Pipes	X	X	X

LBP and LCC Components					
Location	Wall	Component	>OSHA Threshold	>HUD/EPA Threshold	>CoP DoH Threshold
2nd Floor					
Common Area o/s East Bathrooms	All	Plaster Walls & Ceilings	X	X	X
	All	Chair Rail Moldings	X	X	X
	All	Wainscot Moldings	X	X	X
East Bathrooms	All	Plaster Walls & Ceilings	X	X	X
	C	Window Sills, Frames & Sashes	X	X	X
	All	Pipes	X		
	All	Wainscot Moldings	X	X	X
North Stairs & Landings	All	Plaster Walls & Ceilings	X	X	X
NE Room on West Side of Hallway	All	Plaster Walls & Ceilings	X	X	X
	All	Baseboards	X	X	X
	All	Window Frames, Aprons & Casings	X	X	X
	All	Window Sashes	X		
	A	Door Frame	X		
	All	Window Sills	X		
North Bathroom	C	Window Frames & Sashes	X		
	A	Door Frame	X		
(North) NW Room	All	Plaster Walls & Ceilings	X	X	X
	All	Baseboards	X	X	X
	All	Closet Walls & Ceilings	X	X	X
	All	Window Frames	X		
	All	Closet Shelves	X	X	X
Large Open Area o/s Kitchen	All	Plaster Walls & Ceilings	X	X	X
Storage Rooms	All	Door Frames	X	X	X
	All	Cabinets	X		
	All	Baseboards	X		
South Stairs & Landings	All	Plaster Walls & Ceilings	X	X	X
1st Floor					
North Common Area & Halls	All	Plaster Walls & Ceilings	X	X	X
	All	Wainscot Moldings	X	X	X
	All	Chair Rail Moldings	X	X	X
South Hall	All	Plaster Walls & Ceilings	X		
	All	Columns	X		
NE Reading Room	All	Plaster Walls & Ceilings	X	X	X
	All	Window Sills & Casings	X		
	All	Window Sashes	X		
	All	Baseboards	X		
NE Caretakers Office	A	Door Casings	X	X	X
	C	Shelves & Supports	X		
	C	Closet Door Frames & Casings	X	X	X
	All	Baseboards	X	X	X
	D	Window Sills & Aprons	X		
	D	Walls (plaster behind drywall)	X		
(North) NW Office	All	Window Sashes	X	X	X
	All	Window Frames	X		

LBP and LCC Components					
Location	Wall	Component	>OSHA Threshold	>HUD/EPA Threshold	>CoP DoH Threshold
(North) NW Office	All	Closet Door Frames & Casings	X		
	N/A	Ceiling Beams	X		
North Storage Closet	All	Plaster Walls & Ceilings	X		
Front Large Auditorium	All	Columns	X	X	X
Computer Rm. Closet	All	Wall Tiles	X	X	X
Basement Stairs & Landing	All	Plaster Walls & Ceilings	X	X	X
Basement					
North Pottery Room	All	Plaster Walls & Ceilings	X	X	X
	All	Closet Door Frames & Casings	X	X	X
	All	Shelves	X	X	X
Annex Areas					
1st Floor					
Throughout	All	Plaster Walls & Ceilings (ASSUMED to be present behind drywall)	X	X	X
Stairwells	All	Plaster Walls & Ceilings (ASSUMED to be present behind drywall)	X	X	X
2nd Floor					
Throughout – All Rooms/Areas	All	Plaster Walls & Ceilings	X	X	X
	All	Baseboards	X	X	X
	All	Window Sills, Frames Casings & Sashes	X	X	X
3rd Floor					
Throughout – All Rooms/Areas	All	Plaster Walls & Ceilings	X	X	X
	All	Baseboards	X	X	X
	All	Window Sills, Frames Casings & Sashes	X	X	X
Exterior					
Exterior	C	Fire Escape Stair Risers & Stringers	X	X	X
	C	Fire Escape Stair	X		
	N/A	Playground Sprinkler Pole	X		

Applicable Standards/ Regulations

Summary of EPA’s Lead; Renovation, Repair, and Painting (RRP) Program

The following is a brief and highly condensed summary of the EPA’s RRP. The following is not intended to be utilized in place of the RRP, but is rather a brief presentation of the major components of the regulation as they apply to this specific project.

- a. Application – The EPA’s RRP applies to all renovations, repairs, and painting of lead painted surfaces performed for compensation in *Target Housing* and “child-occupied facilities”.

b. Definitions:

1. **Child-occupied facility** – a building, or portion of a building, constructed prior to 1978, visited regularly by the same child, under six (6) years of age, on at least two (2) different days within any week, provided that each day's visit lasts at least three (3) hours, and the combined weekly visits last at least six (6) hours, and the combined annual visits last at least sixty (60) hours.
 2. **Renovation** – the modification of any existing structure, or portion thereof, that results in the disturbance of more than six (6) SF of interior lead painted surfaces per room, or more than twenty (20) SF of exterior lead painted surfaces.
- c.** If a building or property is considered a child occupied while any renovations are being performed, the owners of the building, and the occupants and/or their parents/guardians must receive information from the renovator on lead based paint hazards before renovations begin. This information must exclusively be the EPA pamphlet entitled, "*Renovate Right: Important Lead Hazard Information for Families, Child Care Providers and Schools*". Written acknowledgement of receipt of the pamphlet must also be provided back to the renovator.
- d.** If the building or property is child occupied while any future renovations are being performed, the renovator is required to post informational signs describing the general nature, locations and completion date of the project, and prepare, date and sign a statement describing the steps performed to notify parents and guardians and to provide the pamphlet.
- e.** Individuals performing these renovations must be trained at EPA accredited Training Providers, firms must be certified by the EPA as Lead Renovators, and work practices must be employed in accordance with the RRP.
- f.** Required renovator work practices:
1. Post warning signs and clearly define the work areas to limit access by occupants.
 2. Isolate/contain work area so that no dust leaves the work area.
 3. Remove objects from the work area or leave, cover and seal such objects.
 4. Close and cover all duct openings in the work area.
 5. Close all windows and doors in the work area.
 6. Cover the floor of the work area with taped down impermeable sheeting.
 7. Open flame burning or torching of paint, using a heat gun above 1,100 °F, and the use of machines that sand grind, plane or blast paint are prohibited.
 8. Generated waste must be contained and disposed to prevent release of dust.
 9. Clean work area until no dust or debris remains, starting from highest elevation to lowest elevation, using damp wiping using trisodium phosphate soap (TSP) and HEPA vacuuming techniques.
 10. Wet mop floors, keeping wash water separate from the rinse water.
 11. Perform visual inspection for remnant dust or debris. When acceptable, perform post renovation clearance verification testing or surface lead dust wipe sampling.

Summary of OSHA Lead Exposure in Construction Standard

The current OSHA standard 29 CFR 1926.62 for lead exposure in construction has a permissible exposure limit (PEL) of 50 micrograms per cubic meter of air (50 $\mu\text{g}/\text{m}^3$), measured as an 8-hour time-weighted average (TWA).

Certain lead-related construction tasks commonly produce exposures above the PEL and often orders of magnitude above the PEL. The OSHA lead standard for construction is unique in that it groups tasks that are presumed to be associated with employee exposures above the PEL into three lead-exposure ranges. The exposure ranges assigned to the different categories of tasks are based on data collected by OSHA and other sources including two advisory groups.

OSHA mandates a worker lead exposure action level (AL) of airborne lead to be 30 ug/cubic meter of air and a permissible exposure limit (PEL) of ≤ 50 ug/cubic meter of air. (ug = micrograms).

Respiratory Protection for Lead Exposures

Airborne Concentration of Lead	Minimum Required Respiratory Protection
Below the PEL up to 49 $\mu\text{g}/\text{m}^3$	No Personal Protective Equipment or Respiratory Protection Required
1 to 10 x PEL/ up to 500 $\mu\text{g}/\text{m}^3$	Any Air Purifying Respirator (HEPA)
10 to 25 x PEL/ 500 to 1,250 $\mu\text{g}/\text{m}^3$	Any Powered Air Purifying Respirator (HEPA)
25 to 50 x PEL/ 1,250 to 2,500 $\mu\text{g}/\text{m}^3$	Full face piece Air Purifying Respirator (HEPA) or Tight fitting Powered Air Purifying Respirator (HEPA)
50 to 100 x PEL/ 2,500 to 50,000 $\mu\text{g}/\text{m}^3$	Half masked Supplied Air Respirator
100 to 200 x PEL/ 50,000 to 100,000 $\mu\text{g}/\text{m}^3$	Full face piece Supplied Air Respirator
> 200 x PEL/ $\geq 100,000$ $\mu\text{g}/\text{m}^3$	Full face piece SCBA

Lead-Related Construction Tasks and Their Presumed 8-hour TWA Exposure Levels

> 50 to 500 $\mu\text{g}/\text{m}^3$	> 500 $\mu\text{g}/\text{m}^3$ to 2,500 $\mu\text{g}/\text{m}^3$	> 2,500 $\mu\text{g}/\text{m}^3$
Manual demolition	Using lead-containing mortar	Welding
Dry manual scraping	Lead burning	
Dry manual sanding	Rivet busting	Torch cutting
Heat gun use	Power tool cleaning without dust collection systems	
Power tool cleaning with dust collection systems	Cleanup of dry expendable abrasive blasting jobs	Torch burning
Spray painting with lead paint	Abrasive blasting enclosure movement and removal	

Construction Waste Characterization Testing

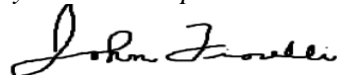
For those components testing positive for LBP that will be disposed of with construction waste, with the exception of the metal materials that will be recycled, a Toxicity Characteristic Leaching Procedure (TCLP) sample must be collected and submitted by the waste generating contractor. TCLP is a sample extraction analytical method used to simulate a waste stream leaching through a landfill. The method is used to determine if the waste is characterized as hazardous.

The level, at or above which demolition waste would have to be treated as hazardous lead waste, is 5.0 parts per million of lead, or 5.0 mg/L of lead.

Synertech Incorporated is pleased to provide Duffield Associates with this report. If you have any questions regarding the information or data provided in this correspondence, feel free to contact our office at 215-755-2305.

Sincerely,

Synertech Incorporated



John P. Fiorelli
 Project Manager

Attachment #1

Asbestos Laboratory Certificates of Analysis



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Tel/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com> / cinnasblab@EMSL.com

EMSL Order: 041933415

Customer ID: SYNE50

Customer PO:

Project ID:

Attention: John Fiorelli
Synertech, Inc.
228 Moore Street
Philadelphia, PA 19148

Phone: (215) 755-2305

Fax: (215) 755-2405

Received Date: 11/18/2019 5:50 PM

Analysis Date: 11/19/2019

Collected Date: 11/18/2019

Project: Francis Myers Rec / 632-221

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
1 041933415-0001	Large Center Area - Basement - Paper Pipe Insulation - Air Cell	White Fibrous Homogeneous		40% Non-fibrous (Other)	60% Chrysotile
			HA: A		
2 041933415-0002	Outside Equipment Storage - Basement - Harrys Room - Paper Pipe Insulation - Air Cell				Positive Stop (Not Analyzed)
			HA: A		
3 041933415-0003	Large Center Open Area - Hard Fitting associated with FGPI	Gray Fibrous Homogeneous	35% Min. Wool	65% Non-fibrous (Other)	<1% Chrysotile
			HA: B		
4 041933415-0004	Front Sprinkler Area "Wing" - Hard Fitting associated with FGPI	Gray Fibrous Homogeneous	35% Min. Wool	65% Non-fibrous (Other)	<1% Chrysotile
			HA: B		
5 041933415-0005	Basement Pottery Room at Front SE Corner - Grey Pipe Fitting Debris on Desk	Gray Fibrous Homogeneous	40% Min. Wool	60% Non-fibrous (Other)	<1% Chrysotile
			HA: B		
6 041933415-0006	Basement Pottery Room - Wall Parging Mortar	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: C		
7 041933415-0007	Basement Pottery Room - Wall Parging Mortar	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: C		
8 041933415-0008	Basement Pottery Room - Grey Mortar associated with Brick	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: C		
9 041933415-0009	Basement Storage near North Stairs - Textured Wall Parging	Tan/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: D		
10 041933415-0010	Basement Storage near North Stairs - Textured Wall Parging	Tan/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: D		
11 041933415-0011	Basement - NE Corner of Large Center around Chase - White Top Wall Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: E		

Initial report from: 11/19/2019 11:03:23



EMSL Analytical, Inc.

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EMSL Order: 041933415
Customer ID: SYNE50
Customer PO:
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
12 041933415-0012	Basement - NE Corner of Large Center around Chase - Base associated with 11	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: F					
13 041933415-0013	Basement - NE Corner of Large Center around Chase - White Top Wall Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: E					
14 041933415-0014	Basement - NE Corner of Large Center around Chase - Base associated with 13	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: F					
15 041933415-0015	Basement - NE Corner of Large Center around Chase - White Top Wall Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: E					
16 041933415-0016	Basement - NE Corner of Large Center around Chase - Base associated with 15	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: F					
17 041933415-0017	Large Center Area near Front "Wing" - Brown Particle Board Wall	Brown/White Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
HA: G					
18 041933415-0018	Basement - Debris on Exposed Joist - Large Center - White Coat Plaster Debris	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: H					
19 041933415-0019	Basement - Debris on Exposed Joist - Large Center - Brown Coat Plaster Debris	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: I					
20 041933415-0020	Basement - Debris on Exposed Joist - Large Center - White Coat Plaster Debris	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: H					
21 041933415-0021	Basement - Debris on Exposed Joist - Large Center - Brown Coat Plaster Debris	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: I					
22 041933415-0022	Basement - Debris on Exposed Joist - Large Center - White Coat Plaster Debris	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: H					

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EMSL Order: 041933415
Customer ID: SYNE50
Customer PO:
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
23 041933415-0023	Basement - Debris on Exposed Joist - Large Center - Brown Coat Plaster Debris	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: I		
24 041933415-0024	Basement - North Stair Wall - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: J		
25 041933415-0025	Basement - North Stair Wall - Drywall	Brown/White Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected
			HA: K		
26 041933415-0026	1st Floor outside Game Room - Grey 12x12 Top Layer Tile	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: L		
27 041933415-0027	1st Floor outside Game Room - Yellow Glue associated with 26	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: M		
28 041933415-0028	1st Floor North Hall - Grey Top Layer 12x12 Tile	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: L		
29 041933415-0029	1st Floor North Hall - Glue associated with 28	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: M		
30 041933415-0030	1st Floor NE Comm Room - Carpet Glue	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: N		
31 041933415-0031	1st Floor NE Comm Room - Tile below Carpet	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: O		
32 041933415-0032	1st Floor NE Comm Room - Black Mastic associated with 31	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: P		
33 041933415-0033	1st Floor NE Comm Room - Carpet Glue	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: N		
34 041933415-0034	1st Floor NE Comm Room - Tile below Carpet	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: O		
35 041933415-0035	1st Floor NE Comm Room - Black Mastic associated with 34	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: P		
36 041933415-0036	1st Floor Small NE Office adjacent NE Comm Room - Below Carpet - Tan with Red Streak 9x9	Tan/Red Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile

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EMSL Order: 041933415
Customer ID: SYNE50
Customer PO:
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
HA: Q					
37 041933415-0037	1st Floor Small NE Office adjacent NE Comm Room - Below Carpet - Mastic associated with 36	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: R					
38 041933415-0038	1st Floor Small NE Office adjacent NE Comm Room - Below Carpet - Black Vapor Barrier associated with 36-37	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected
HA: S					
39 041933415-0039	1st Floor North Storage Room - Tan with Blue Top 9x9	Tan/Blue Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
HA: T					
40 041933415-0040	1st Floor North Storage Room - Mastic associated with 39	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: U					
41 041933415-0041	1st Floor North Storage Room - Tan with Blue Top 9x9				Positive Stop (Not Analyzed)
HA: T					
42 041933415-0042	1st Floor North Storage Room - Mastic associated with 41	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: U					
43 041933415-0043	1st Floor Computer Room - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: V					
44 041933415-0044	1st Floor Computer Room Closet - Wall Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: X					
45 041933415-0045	1st Floor Computer Room Closet - Wall Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: X					
46 041933415-0046	Computer Room Closet - Ceiling Tile 2x4 Fissured	Gray/White Fibrous Homogeneous	55% Cellulose 25% Min. Wool	20% Non-fibrous (Other)	None Detected
HA: X					
47 041933415-0047	Computer Room Closet - Foil and Black Wrap associated with FGPI	Brown/Silver/Blue Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected
HA: Y					
48 041933415-0048	1st Floor Bath adjacent to Avd Store Room - Blue Sheet Floor	Blue Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: Z					

Initial report from: 11/19/2019 11:03:23



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EMSL Order ID: 042108508
Customer ID: SYNE50
Customer PO:
Project ID:

Attn: John Fiorelli
Synertech, Inc.
228 Moore Street
Philadelphia, PA 19148
Phone: (215) 755-2305
Fax: (215) 755-2405
Collected: 4/12/2021
Received: 4/12/2021
Analyzed: 4/20/2021
Proj: Meyers Red Annex - 632-221-2

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: 105 **Lab Sample ID:** 042108508-0001
Sample Description: 1st Floor Conference Room Walls/Joint Compound

TEST	Analyzed		Non-Asbestos		Asbestos	Comment
	Date	Color	Fibrous	Non-Fibrous		
PLM	4/15/2021	White	0.0%	100.0%	None Detected	

Client Sample ID: 106 **Lab Sample ID:** 042108508-0002
Sample Description: 3rd Floor Bath/Thinset Mortar

TEST	Analyzed		Non-Asbestos		Asbestos	Comment
	Date	Color	Fibrous	Non-Fibrous		
PLM	4/15/2021	White	0.0%	100.0%	None Detected	

Client Sample ID: 107 **Lab Sample ID:** 042108508-0003
Sample Description: 3rd Floor/Skim Coat Wall Plaster

TEST	Analyzed		Non-Asbestos		Asbestos	Comment
	Date	Color	Fibrous	Non-Fibrous		
PLM	4/15/2021	White	0.0%	100.0%	None Detected	

Client Sample ID: 108 **Lab Sample ID:** 042108508-0004
Sample Description: 3rd Floor/Base Coat Plaster

TEST	Analyzed		Non-Asbestos		Asbestos	Comment
	Date	Color	Fibrous	Non-Fibrous		
PLM	4/15/2021	Gray	5.0%	93.0%	2% Chrysotile	
400 PLM Pt Ct	4/20/2021	Gray	5.0%	95.0%	<0.25% Chrysotile	

Client Sample ID: 109 **Lab Sample ID:** 042108508-0005
Sample Description: 3rd Floor Bath/Thinset Mortar

TEST	Analyzed		Non-Asbestos		Asbestos	Comment
	Date	Color	Fibrous	Non-Fibrous		
PLM	4/15/2021	White	0.0%	100.0%	None Detected	

Client Sample ID: 110 **Lab Sample ID:** 042108508-0006
Sample Description: 3rd Floor/Skim Coat Plaster

TEST	Analyzed		Non-Asbestos		Asbestos	Comment
	Date	Color	Fibrous	Non-Fibrous		
PLM	4/15/2021	White	0.0%	100.0%	None Detected	

Client Sample ID: 111 **Lab Sample ID:** 042108508-0007
Sample Description: 3rd Floor/Base Coat Plaster

TEST	Analyzed		Non-Asbestos		Asbestos	Comment
	Date	Color	Fibrous	Non-Fibrous		
PLM	4/15/2021					Positive Stop (Not Analyzed)
400 PLM Pt Ct	4/20/2021	Gray	5.0%	95.0%	<0.25% Chrysotile	



EMSL Analytical, Inc.

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EMSL Order ID: 042108508
 Customer ID: SYNE50
 Customer PO:
 Project ID:

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: 112 **Lab Sample ID:** 042108508-0008

Sample Description: Basement/1' x 1' Ceiling Tile

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/15/2021	Gray/White	80.0%	20.0%	None Detected	

Client Sample ID: 113 **Lab Sample ID:** 042108508-0009

Sample Description: 2nd Floor/Skim Coat Plaster

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/15/2021	White	0.0%	100.0%	None Detected	

Client Sample ID: 114 **Lab Sample ID:** 042108508-0010

Sample Description: 2nd Floor/Base Coat Plaster

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/15/2021				Positive Stop (Not Analyzed)	
400 PLM Pt Ct	4/20/2021	Gray	5.0%	95.0%	<0.25% Chrysotile	

Client Sample ID: 115-Sheet Flooring **Lab Sample ID:** 042108508-0011

Sample Description: 3rd Floor Hall/Red Sheet Flooring

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/15/2021	Red	40.0%	60.0%	None Detected	

Client Sample ID: 115-Backing **Lab Sample ID:** 042108508-0011A

Sample Description: 3rd Floor Hall/Backing

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/15/2021	Brown	80.0%	20.0%	None Detected	

Client Sample ID: 116 **Lab Sample ID:** 042108508-0012

Sample Description: 2nd Floor Hall/Wire Wrap

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/15/2021	Brown/Black	80.0%	20.0%	None Detected	

Client Sample ID: 117 **Lab Sample ID:** 042108508-0013

Sample Description: 2nd Floor/Tan Floor Tile

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/15/2021	Tan	0.0%	98.0%	2% Chrysotile	

Client Sample ID: 118 **Lab Sample ID:** 042108508-0014

Sample Description: 2nd Floor/Black Mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/15/2021	Black	0.0%	100.0%	None Detected	



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EMSL Order ID: 042108508
Customer ID: SYNE50
Customer PO:
Project ID:

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: 119 **Lab Sample ID:** 042108508-0015

Sample Description: Basement Bath/Textured Base Plaster

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/15/2021	White	5.0%	95.0%	None Detected	

Client Sample ID: 120 **Lab Sample ID:** 042108508-0016

Sample Description: Basement Bath/Textured Base Plaster

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/15/2021	Tan	0.0%	100.0%	None Detected	

Client Sample ID: 121 **Lab Sample ID:** 042108508-0017

Sample Description: 1st Floor Bath/Blue 12 x 12 Floor Tile

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/15/2021	Blue	0.0%	100.0%	None Detected	

Client Sample ID: 122 **Lab Sample ID:** 042108508-0018

Sample Description: Basement Bath/Base Wall Material Plaster

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/15/2021	Tan	0.0%	100.0%	None Detected	

Client Sample ID: 123 **Lab Sample ID:** 042108508-0019

Sample Description: 1st Floor Conf Room/Gray Bottom Layer Floor Tile

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/15/2021	Gray	0.0%	97.0%	3% Chrysotile	

Client Sample ID: 124 **Lab Sample ID:** 042108508-0020

Sample Description: 1st Floor Conf Room/Black Mastic 123

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/15/2021	Black	5.0%	95.0%	None Detected	

Client Sample ID: 125 **Lab Sample ID:** 042108508-0021

Sample Description: 3rd Floor Front Center Room/Red Floor Tile

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/15/2021	Red	0.0%	95.0%	5% Chrysotile	

Client Sample ID: 126 **Lab Sample ID:** 042108508-0022

Sample Description: 3rd Floor Front Center Room/Black Mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/15/2021	Black	5.0%	95.0%	None Detected	



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Customer ID: SYNE50
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Project ID:

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: 127 **Lab Sample ID:** 042108508-0023

Sample Description: 1st Floor Entry to Conf Room Wall/Gray Bottom Layer Tile

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/15/2021					Positive Stop (Not Analyzed)

Client Sample ID: 128 **Lab Sample ID:** 042108508-0024

Sample Description: 1st Floor Entry to Conf Room Wall/Mastic a/w 127

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/15/2021	Black	5.0%	95.0%		None Detected

Analyst(s):

- Christina Maiorana 400 PLM Pt Ct (2)
- Gregory Barry PLM (2)
- Michelle Quach 400 PLM Pt Ct (1)
- Rachel Irwin PLM (20)

Reviewed and approved by:

Samantha Rundstrom, Laboratory Manager
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367, LA #04127

Report amended: 04/20/2021 11:39:00 Replaces initial report from: 04/15/2021 16:57:34 Reason Code: Client-Additional Analysis



EMSL Analytical, Inc.

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EMSL Order: 041933415

Customer ID: SYNE50

Customer PO:

Project ID:

Analyst(s)

Amy Johnson (32)

Seri Smith (14)

Samantha Rundstrom, Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method"), but augmented with procedures outlined in the 1993 ("final") version of the method. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. All samples received in acceptable condition unless otherwise noted. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. EMSL recommends gravimetric reduction for all non-friable organically bound materials prior to analysis. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367, LA #04127

Initial report from: 11/19/2019 11:03:23

Chain of Custody Transmittal - Asbestos Bulk Samples

228 Moore Street • Philadelphia, Pennsylvania 19148 • Phone 215-755-2305 • Fax 215-755-2405 • www.gosynertech.com • info@gosynertech.com

Project Name: Francis Myers Rec Project No. 632-221 Laboratory: EMSL

Analysis: PLM Other _____ Test Until Positive Per HMID Turnaround Time: 6 hour RUSH 24 hours 72 hours Other _____

Samples Collected By: S. Fioravelli Date/Time 11/18/19 Transmitted to Lab By: [Signature] Date/Time 11/18/19

Received in Lab By: _____ Date/Time _____ Received in Lab By: [Signature] Date/Time 11/19/19

Report Results To: _____

Sample #	HMID	Lab Sample #	C/D	Material Description	Location
1	A		C	PAPER PIPE INSULATION (AIR CELL)	LARGE CENTER AREA - BASEMENT
2	A		C	" "	O/S EQUIPMENT STORAGE - BASEMENT (HARLYS Rm)
3	B		C	HAND FITTING A/W FG PF	LARGE CENTER OPEN AREA
4	B		C	" "	FLOAT SPRINKLER AREA "wing"
5	B		C	GREY PIPE FITTING DEBRIS ON DESK	BASEMENT POTTERY Rm - AT FILANT SE CORNER
6	C		C	WALL PAINTING MORTAR	BASEMENT POTTERY Rm
7	C		C	" "	" "
8	C		C	GREY MORTAR A/W WALL BLOCK	" "
9	D		C	TEXTURED WALL PAINTING	BASEMENT - STORAGE NEAR NORTH STAIRS
10	D		C	" "	" "
11	F		D	WHITE TOP WALL PLASTER	BASEMENT - NE CORNER OF LARGE CENTER AROUND CHASE
12	F		D	Base A/W 11	" "
13	E		D	SAME AS 11	" "
14	F		D	SAME AS 12	" "
15/16	E/F		D	15 - SAME AS 11/13 16 - SAME AS 12/14	" "

Order ID: 041933415

HMID = Homogenous Material Identification
 C = Composite- Samples indicated as composite should be analyzed/reported as a single material.
 D = Discrete Stratum- Samples indicated as discrete stratum should be analyzed/reported by layer.

48R11

Chain of Custody Transmittal - Asbestos Bulk Samples

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RECEIVED

EMSI
CINNAMINSON, NJ

Project Name: FRANCIS MYERS REC Project No. 632-221 Laboratory: Env SI.
 Analysis: PLM Other _____ Test Until Positive Per HMID Turnaround Time: 6 hour RUSH 24 hours 72 hours Other _____
 Samples Collected By: J. Fioravanti Date/Time 11/18/19 Transmitted to Lab By: [Signature] Date/Time 11/18/19
 Received in Lab By: _____ Date/Time _____ Received in Lab By: _____ Date/Time _____
 Report Results To: _____

Sample #	HMID	Lab Sample #	C/D	Material Description	Location
17	G		C	BLOWN PARTICLE BOARD W/AN	LARGE CEILING AREA NEAR "ELECTRICAL" ROOM
18	H		D	WHOLE COAT - PLASTIC DEBRIS	BASINMENT - DEBRIS ON EXPOSED JOIST - LARGE AREA
19	I		D	BLOWN COAT A/W 18	" "
20	H		D	WHOLE COAT - PLAST DEBRIS	" "
21	I		D	BLOWN COAT PLAST DEBRIS	" "
22	H		D	WHOLE COAT PLAST DEBRIS	" "
23	I		D	BLOWN COAT PLAST DEBRIS	" "
24	J		C	JOINT COMPOUND	BASINMENT - NORTH STAIR W/AN.
25	K		C	DRY W/AN.	" "
26	L		D	GREY 12x12 TOP LAYER TILE	1 ST FL OF S GAME RM
27	M		D	YELLOW GLUE A/W 26	" "
28	L		D	GREY TOP LAYER 12x12 TILE	1 ST FL NORTH HALL
29	M		D	GLUE A/W 27	" "
30	N		D	WHITE CARPET GLUE	1 ST FL NE CORNER RM
31	O		D	TILE BELOW CARPET	" "
32	P		D	BLACK MASTIC A/W 31	" "

Order ID: 041933415
 HMID = Homogenous Material Identification

C = Composite- Samples indicated as composite should be analyzed/reported as a single material.
 D = Discrete Stratum- Samples indicated as discrete stratum should be analyzed/reported by layer.

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Project Name: Francis Myers NOV 18 P 6:36 Project No. 632-221 Laboratory: EMSL

Analysis: PLM Other Test Until Positive Per HMID Turnaround Time: 6 hour RUSH 24 hours 72 hours Other

Samples Collected By: J. H. [Signature] Date/Time 11/18/19 Transmitted to Lab By: [Signature] Date/Time 11/18/19

Received in Lab By: _____ Date/Time _____ Received in Lab By: _____ Date/Time _____

Report Results To: _____

Sample #	HMID	Lab Sample #	C/D	Material Description	Location
33	N		D	True Asbestos CARPET GLUE	1 st fl NE corner Rm
34	O		D	Tile Below CARPET	1 st fl NE corner Rm
35	P		D	BLACK MASTIC A/W 34	1 st fl NE corner Rm
36	Q		D	TAN with RED STRIP 8x8.	1 st fl SMALL NE OFFICE ADJ NE corner Rm - Below CARPET
37	R		D	MASTIC A/W 36	" "
38	S		D	BLACK CARPET BARRIER A/W 36-37.	" "
39	T		D	TAN with BNE JOP 9x9	1 st fl NORTH STORAGE Rm
40	U		D	MASTIC A/W 39.	" "
41	T		D	SAME AS 39	" "
42	U		D	MASTIC A/W 41	" "
43	V		C	JOINT Compound	1 st fl COMPUTER Rm
44	W		D	WALL PLASTER.	1 st fl COMPUTER Rm closet
45	W		D	WALL PLASTER -	1 st fl COMPUTER Rm closet
46	X		C	CEILING TILE - 2x4 FISHPOND	comp Rm closet
47	Y		C	Foil + BLACK WRAP A/W FL6PE	comp Rm closet

HMID = Homogenous Material Identification

C = Composite- Samples indicated as composite should be analyzed/reported as a single material.

D = Discrete Stratum- Samples indicated as discrete stratum should be analyzed/reported by layer.

0U2106908

Chain of Custody Transmittal – Asbestos Bulk Samples

228 Moore Street • Philadelphia, Pennsylvania 19148 • Phone 215-755-2305 • Fax 215-755-2405 • www.gosynertech.com • info@gosynertech.com

Project Name: MEYER'S BEE ANNEK (NOT shown during install) Project No. 632-221-2 Laboratory: EMSL
 Analysis: PLM Other Test Until Positive Per HMID Turnaround Time: 6 hour RUSH 24 hours 72 hours Other _____
 Samples Collected By: J. Fiorelli Date/Time 3/25/21 Transmitted to Lab By: [Signature] Date/Time 4/12/21
 Received in Lab By: [Signature] Date/Time 4/12/21 Received in Lab By: _____ Date/Time _____
 Report Results To: _____

Sample #	HMID	Lab Sample #	C/D	Material Description	Location
105	A-1		C	JOINT compound	1st fl conf room walls.
106	G-1		C	Thinset mortar w/cement	3rd fl BATH.
107	H-1		D	SKIN COAT WALL PLASTER	3rd fl
108	I-1		D	BASE COAT PLASTER	3rd floor.
109	G-1		C	Thinset mortar	3rd fl. BATH.
110	H-1		D	SKIN COAT PLASTER	3rd floor
111	I-1		D	BASE COAT PLASTER	3rd floor.
112	J-1		C	1x1' ceiling tile	Basement.
113	H-1		D	SKIN COAT PLASTER	2nd floor
114	I-1		D	BASE COAT PLASTER	2nd floor.
115	K-1		D	Red sheet floor	3rd fl HALL.
116	L-1		C	wire wrap	2nd fl HALL.
117	M-1		D	TAN FLOOR TILE	2nd fl
118	N-1		D	BLACK MASTIC w/ 117	2nd fl.
119-120	O-1 P-1		D	TEXTURED + BASE PLASTER	Basement BATH

RECEIVED
 EMSL
 CINNAMINSON, NJ
 21 APR 12 AM 10:47

[Signature]

HMID = Homogenous Material Identification
 C = Composite- Samples indicated as composite should be analyzed/reported as a single material.
 D = Discrete Stratum- Samples indicated as discrete stratum should be analyzed/reported by layer.

Page 1 of 4

OrderID: 042108508

042108508

Chain of Custody Transmittal – Asbestos Bulk Samples

228 Moore Street • Philadelphia, Pennsylvania 19148 • Phone 215-755-2305 • Fax 215-755-2405 • www.gosynertech.com • info@gosynertech.com

Project Name: MICHAEL'S REC. Project No. 632-221-2 Laboratory: EMSL
 Analysis: PLM Other Test Until Positive Per HMID Turnaround Time: 6 hour RUSH 24 hours 72 hours Other _____
 Samples Collected By: J. Fiolledo Date/Time 3/25/21 Transmitted to Lab By: JPF Date/Time 4/12/21
 Received in Lab By: _____ Date/Time _____ Received in Lab By: _____ Date/Time _____
 Report Results To: _____

Sample #	HMID	Lab Sample #	C/D	Material Description	Location
121	Q-1		C	BLUE 12x12 Floor Tile -	1 ST FL BATHS.
122	R-1		C	BASE WALL MATHS/PLASTIC BASEMENT BATH.	
123	S-1		D	GREY BOTTOM LAYER floor tile.	1 ST FL CONF ROOM
124	T-1		D	BLACK MASTIC ALW 124	↓ ↓
125	U-1		D	RED floor tiles	3 RD FL PLANT-CENTRAL R
126	V-1		D	BLACK MASTIC ALW 125.	↓ ↓
127	S-1		D	GREY BOTTOM LAYER floor tile.	1 ST FL ENTRY TO CONF ROOM
128	T-1		D	MASTIC ALW 127	↓

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 EMSL
 CINCINNATI, OH
 21 APR 2021 4:17 PM

Page 2 of 4

HMID = Homogenous Material Identification
 C = Composite- Samples indicated as composite should be analyzed/reported as a single material.
 D = Discrete Stratum- Samples indicated as discrete stratum should be analyzed/reported by layer.



City of Philadelphia - Department of Public Health
 Air Management Services, 2nd Fl. Asbestos Control Unit
 321 University Ave. Philadelphia, PA 19104

Office Use Only

Date Received L&I:

Date Received AMS:

Date Inspected

Inspector No.

Asbestos Inspection Report

1. Name of Building / Property: _____ Address _____

2. Name of Building / Property Owner: _____ Address _____ Phone No. _____

3. Name of Philadelphia Certified Investigator: _____ Certification No. _____ Contact Information / Email / Phone No. _____

L&I Commercial Activity No. (Former Business Privilege License No.) _____ Business Tax ID No. _____

4. Name of Philadelphia Licensed Laboratory: _____ License No. _____ Phone No. _____

5. Scope of Work: (Insert or attach a complete description of the portion of the subject property inspected and the anticipated work that will result in the disturbance of the identified Asbestos Containing Materials (ACMs) (e.g. demolition, asbestos abatement, and / or renovation activities.)

6. Property has been declared to be in imminent danger (ID) of failure or collapse by the City of Philadelphia Department of Licenses & Inspections. Attached is a copy of the L&I Notice of Violation declaring the property I.D. ****Note: INVESTIGATOR MUST BE ON SITE DURING DEMOLITION!**

7. (ACMs) identified? Yes (List Below) No (explain)

8. Suspected ACM's sampled? Yes (attached are copies of the laboratory chain of custody and bulk sample results.) No (Why?)

9. List all identified ACM's located in the planned renovation/demolition areas. Damaged ACM must be listed and then repaired or removed prior to renovation. You (Investigator) must label all ACM that may be left in the work area. (Attached are add'tl sheets)

Location	Description	Type (Code 1)	Amount		Condition (Code 2)	Action (Code 3)
			Square	Linear		

Code 1

FRI - Friable
 NF1 - Non-Friable, Cat. 1
 NF2 - Non-Friable, Cat. 2

Code 2

DD - Deteriorated or Delaminated
 ND - Non-Damaged

Code 3

REM - Removal necessary prior to Demo/Reno
 NRN - No removal necessary, label ACM
 REP - Repair & Label ACM, removal not necessary

10. I hereby certify that the foregoing statements are true and the information contained in this report is true. This certification is made subject to the penalties set forth in 18 PA. C.S. S4904 relating to unsworn falsification to authorities. Furthermore I certify that the inspection, sampling, and labeling requirements of section X of the Asbestos Control Regulation (ACR) have been met. The building owner has been notified of the ACR requirements and given a copy of this report. If the inspection has revealed ACM which will be disturbed by the proposed work or if it has revealed ACM in bad condition, the building owner has been notified to remove or repair the ACM in accordance with the ACR prior to renovation or demolition activity.

11. Signature of Certified Asbestos Investigator: _____ Date: _____ Signature of Building Owner: _____ Date: _____

John Farrell



Asbestos Inspection Report

9. List Asbestos Containing Material (ACM) located in the planned renovation/demolition area(s). Damaged ACM must be listed and then repaired or removed prior to renovation. You (Investigator) must label all ACM that may be left in the work area.

Q/U = Quantity Undetermined

Location	Description	Type (Code 1)	Amount		Condition (Code 2)	Action (Code 3)
			Square	Linear		
Basement						
Large Center Open Area	Asbestos Containing Pipe & Pipe Fitting Insulation (ACPI/ACPFs)	FRI		245	DD	REM
Large East Area "Wing" below Auditorium	Asbestos Containing Pipe & Pipe Fitting Insulation (ACPI/ACPFs)	FRI		35	DD	REM
South Equip. Storage Rm. ("Harry's Room")	Asbestos Containing Pipe & Pipe Fitting Insulation (ACPI/ACPFs)	FRI		15	DD	REM
Common Hall o/s North Stairs	Asbestos Containing Pipe & Pipe Fitting Insulation (ACPI/ACPFs)	FRI		5	DD	REM
Various Crawlspace	Asbestos Containing Pipe & Pipe Fitting Insulation (ACPI/ACPFs)	FRI		QU	N/A	REM
1st Floor						
Gymnasium (assumed to be present)	Vapor Barrier/Mastic below Gym Floor	NF1	5,670		ND	REM
NE Community Room (adj. to Exit Stairs)	Asbestos Containing Vinyl Floor Tile below Non-Asbestos Tile and Plywood	NF1	310		ND	REM
All Common Halls	Asbestos Containing Vinyl Floor Tile below Non-Asbestos Tile and Plywood	NF1	960		ND	REM
Office adj. Community Room & Closets	Asbestos Containing Vinyl Floor Tile below Non-Asbestos Tile and Plywood	NF1	170		ND	REM
	Radiator heat Shield Insulation (ASSUMED to be present behind radiator)	FRI	16		ND	REM
North Office Areas & Closets	Asbestos Containing Vinyl Floor Tile below Non-Asbestos Tile and Plywood	NF1	456		ND	REM
North Storage adj. to Exit Stairs	Top Layer Asbestos Containing Vinyl Floor Tile below Plywood	NF1	120		DD	REM
	Radiator heat Shield Insulation (ASSUMED to be present behind radiator)	FRI	16		ND	REM

Signature of Certified Asbestos Investigator:

Date: 01/21/2020

Revised on 04/30/21

Signature of Building Owner:

Date:



9. List Asbestos Containing Material (ACM) located in the planned renovation/demolition area(s). Damaged ACM must be listed and then repaired or removed prior to renovation. You (Investigator) must label all ACM that may be left in the work area.

Q/U = Quantity Undetermined

Location	Description	Type (Code 1)	Amount		Condition (Code 2)	Action (Code 3)
			Square	Linear		
Storage Rm. Adj. Large Auditorium	Asbestos Containing Vinyl Floor Tile below Non-Asbestos Tile and Plywood	NF1	168		ND	REM
Game Room adj. Gym	Asbestos Containing adhesive a/w 1'x1' Ceiling Tile (ASSUMED to be present-inaccessible - heights)	NF1	450		ND	REM
South Stair Landings	Asbestos Containing Vinyl Floor Tile	NF1	180		ND	REM
2nd Floor						
Throughout	ACPI (ASSUMED to be present inside of wall and ceiling cavities)	FRI		QU	N/A	REM
North Corner Office/Room	Asbestos Containing Vinyl Floor Tile	NF1	315		ND	REM
Large Open Area & Halls o/s Kitchen & Storage Rooms	Asbestos Containing Vinyl Floor Tile below Non Asbestos Floor Tile	NF1	510		ND	REM
Kitchen	Asbestos Containing Vinyl Floor Tile below Non Asbestos Floor Tile	NF1	130		ND	REM
Storage Rm. across from Kitchen	Asbestos Containing Vinyl Floor Tile below Non Asbestos Floor Tile	NF1	110		ND	REM
Main Large Hallway	Asbestos Containing Vinyl Floor Tile below Non-Asbestos Tile and Plywood	NF1	580		ND	REM
SW Library Room	Asbestos Containing Vinyl Floor Tile below Non-Asbestos Tile and Plywood	NF1	750		ND	REM
Dance Studio	Asbestos Containing Vinyl Floor Tile below Non-Asbestos Tile and Plywood	NF1	705		ND	REM
Common Area o/s NE Bathrooms	Asbestos Containing Vinyl Floor Tile	NF1	40		ND	REM
Throughout	ACPI (ASSUMED to be present inside of wall and ceiling cavities)	FRI		QU	N/A	REM
Exterior						
Cementitious Roof Shingles	Cementitious Roof Shingles		10,756		ND	REM
Gym	Roofing Materials		6,170		ND	REM



9. List Asbestos Containing Material (ACM) located in the planned renovation/demolition area(s). Damaged ACM must be listed and then repaired or removed prior to renovation. You (Investigator) must label all ACM that may be left in the work area.

Q/U = Quantity Undetermined

Location	Description	Type (Code 1)	Amount		Condition (Code 2)	Action (Code 3)
			Square	Linear		
Annex Areas						
1st Floor						
Throughout – All Rooms/Areas	Asbestos Containing Vinyl Floor Tile below Non Asbestos Floor Tile	NF1	1,958		ND	REM
2nd Floor						
Throughout – All Rooms/Areas & Stairwell Landings (except Bathrooms)	Tan 9”x 9” Asbestos Containing Vinyl Floor Tile	NF1	1,800		DD	REM
3rd Floor						
Front-Center Room	Red 9”x 9” Asbestos Containing Vinyl Floor Tile	NF1	270		ND	REM
Exterior						
Exterior	Roofing Materials (ASSUMED)	NF1/NF2	3,000		ND	REM

Signature of Certified Asbestos Investigator:

Date: 01/21/2020

Revised on 04/30/21

Signature of Building Owner:

Date:

Attachment #2

Philadelphia Asbestos Inspection Report (AIR)

Attachment #3

XRF Data Spreadsheets



Lead Based Paint Testing Data - XRF Results

Project Name & Number: Francis Myers Recreation Center; 632-221

Client Name: Duffield Associates

Inspector & Dates: John P. Fiorelli, December 10, 2019 (Interior) & January 15, 2020 (Playground, Pool & Exterior)

Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Results	mg/cm ²
1	SHUTTER_CALIBRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5.24
2	CALIBRATION FILM	N/A	N/A	N/A	N/A	N/A	N/A	Positive	4.3
3	CALIBRATION FILM	N/A	N/A	N/A	N/A	N/A	N/A	Positive	1.4
4	CALIBRATION FILM	N/A	N/A	N/A	N/A	N/A	N/A	Positive	1.7
5	CALIBRATION FILM	N/A	N/A	N/A	N/A	N/A	N/A	Positive	1.5
6	CALIBRATION FILM	N/A	N/A	N/A	N/A	N/A	N/A	Positive	1.6
7	CALIBRATION FILM	N/A	N/A	N/A	N/A	N/A	N/A	Negative	0.28
8	CALIBRATION FILM	N/A	N/A	N/A	N/A	N/A	N/A	Negative	0.3
9	CALIBRATION FILM	N/A	N/A	N/A	N/A	N/A	N/A	Positive	0.8
10	CALIBRATION FILM	N/A	N/A	N/A	N/A	N/A	N/A	Positive	1.1
11	CALIBRATION FILM	N/A	N/A	N/A	N/A	N/A	N/A	Positive	0.7
12	WALL	PLASTER	A	FAIR	GREEN	SECOND	HALL	Negative	0.06
13	WALL	PLASTER	B	FAIR	GREEN	SECOND	HALL	Positive	6.4
14	WALL	PLASTER	D	FAIR	GREEN	SECOND	HALL	Negative	0
15	WALL	PLASTER	D	FAIR	GREEN	SECOND	HALL	Positive	3
16	CEILING	PLASTER	N/A	FAIR	GREEN	SECOND	HALL	Negative	0
17	CEILING	PLASTER	N/A	FAIR	GREEN	SECOND	HALL	Negative	0
18	CEILING	PLASTER	N/A	FAIR	GREEN	SECOND	HALL	Positive	6.9
19	BASEBOARD	WOOD	B	POOR	PINK	SECOND	HALL	Negative	0
20	BASEBOARD	WOOD	B	POOR	PINK	SECOND	HALL	Negative	0
21	BASEBOARD	WOOD	D	POOR	PINK	SECOND	HALL	Negative	0
22	CHAIR RAIL	WOOD	D	POOR	PINK	SECOND	HALL	Negative	0
23	WAINSCOT	WOOD	D	POOR	WHITE	SECOND	HALL	Negative	0



Lead Based Paint Testing Data - XRF Results

Project Name & Number: Francis Myers Recreation Center; 632-221

Client Name: Duffield Associates

Inspector & Dates: John P. Fiorelli, December 10, 2019

Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Results	mg/cm ²
24	DOOR FRAME	METAL	A	POOR	PINK	SECOND	HALL	Negative	0
25	DOOR	METAL	A	POOR	PINK	SECOND	HALL	Negative	0
26	RADIATOR	METAL	B	POOR	WHITE	SECOND	HALL	Negative	0
27	WINDOW FRAME	WOOD	B	POOR	PINK	SECOND	HALL	Negative	0
28	WINDOW SASH	WOOD	B	POOR	PINK	SECOND	HALL	Negative	0
29	DUCT	METAL	N/A	INTACT	GREEN	SECOND	HALL	Negative	0
30	WALL	PLASTER	A	INTACT	BLUE	SECOND	LIBRARY	Negative	0.19
31	WALL	PLASTER	A	INTACT	BLUE	SECOND	LIBRARY	Negative	0.24
32	WALL	PLASTER	A	INTACT	BLUE	SECOND	LIBRARY	Positive	10.9
33	WALL	PLASTER	B	INTACT	TAN	SECOND	LIBRARY	Positive	8
34	WALL	PLASTER	D	CRACKED	TAN	SECOND	LIBRARY	Positive	9.3
35	BASEBOARD	WOOD	D	POOR	BROWN	SECOND	LIBRARY	Negative	0
36	RADIATOR	METAL	C	POOR	BROWN	SECOND	LIBRARY	Negative	0
37	LARGE WINDOW FRAME	WOOD	C	POOR	TAN	SECOND	LIBRARY	Negative	0.23
38	LARGE WINDOW CASING	WOOD	C	POOR	TAN	SECOND	LIBRARY	Negative	0.12
39	WALL	DRYWALL	C	POOR	TAN	SECOND	LIBRARY	Negative	0
40	DOOR FRAME	METAL	A	POOR	BROWN	SECOND	LIBRARY	Negative	0
41	WALL	PLASTER	A	POOR	GREEN	SECOND	DANCE STUDIO	Negative	0
42	WALL	PLASTER	A	POOR	GREEN	SECOND	DANCE STUDIO	Negative	0
43	WALL	PLASTER	A	POOR	GREEN	SECOND	DANCE STUDIO	Negative	0
44	WALL	PLASTER	A	POOR	GREEN	SECOND	DANCE STUDIO	Negative	0
45	WALL	PLASTER	A	POOR	GREEN	SECOND	DANCE STUDIO	Negative	0
46	BASEBOARD	WOOD	A	POOR	GREEN	SECOND	DANCE STUDIO	Negative	0



Lead Based Paint Testing Data - XRF Results

Project Name & Number: Francis Myers Recreation Center; 632-221

Client Name: Duffield Associates

Inspector & Dates: John P. Fiorelli, December 10, 2019

Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Results	mg/cm ²
47	WALL	PLASTER	D	POOR	orange	SECOND	DANCE STUDIO	Negative	0
48	WALL	PLASTER	D	POOR	orange	SECOND	DANCE STUDIO	Negative	0
49	WALL	PLASTER	C	POOR	orange	SECOND	DANCE STUDIO	Negative	0.13
50	WALL	PLASTER	C	POOR	orange	SECOND	DANCE STUDIO	Negative	0.21
51	WALL	PLASTER	C	POOR	orange	SECOND	DANCE STUDIO	Negative	0
52	LARGE WINDOW SILL	WOOD	C	POOR	BLUE	SECOND	DANCE STUDIO	Negative	0
53	LARGE WINDOW APRON	WOOD	C	POOR	BLUE	SECOND	DANCE STUDIO	Negative	0
54	RADIATOR	METAL	C	POOR	TAN	SECOND	DANCE STUDIO	Negative	0
55	WOOD WALL	WOOD	C	POOR	GREEN	SECOND	DANCE STUDIO	Negative	0.23
56	WALL	PLASTER	B	POOR	PINK	SECOND	DANCE STUDIO	Negative	0.25
57	WALL	PLASTER	B	POOR	PINK	SECOND	DANCE STUDIO	Negative	0.27
58	WALL	DRYWALL	C	POOR	GREEN	SECOND	DANCE STUDIO	Negative	0
59	CABINET	WOOD	D	POOR	WHITE	SECOND	DANCE STUDIO	Negative	0.3
60	CABINET	WOOD	D	POOR	WHITE	SECOND	DANCE STUDIO	Negative	0
61	CLOSET DOOR FRAME	WOOD	D	POOR	or	SECOND	DANCE STUDIO	Negative	0
62	CLOSET DOOR CASING	WOOD	D	POOR	or	SECOND	DANCE STUDIO	Negative	0
63	DOOR FRAME	METAL	A	POOR	GREEN	SECOND	DANCE STUDIO	Negative	0
64	DOOR	WOOD	A	POOR	GREEN	SECOND	DANCE STUDIO	Negative	0
65	WALL TILE	CERAMIC	C	INTACT	GREEN	SECOND	HALL UTILITY CLOSET	Positive	4.7
66	DRAIN PIPE	METAL	A	POOR	WHITE	SECOND	HALL UTILITY CLOSET	Positive	5.5
67	WALL	PLASTER	A	POOR	WHITE	SECOND	HALL UTILITY CLOSET	Negative	0
68	WALL	PLASTER	A	POOR	WHITE	SECOND	COMMON O/S BATHROOMS	Negative	0
69	WALL	PLASTER	B	POOR	WHITE	SECOND	COMMON O/S BATHROOMS	Positive	25.9



Lead Based Paint Testing Data - XRF Results

Project Name & Number: Francis Myers Recreation Center; 632-221

Client Name: Duffield Associates

Inspector & Dates: John P. Fiorelli, December 10, 2019 (Interior) & January 15, 2020 (Playground, Pool & Exterior)

Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Results	mg/cm ²
70	WALL	PLASTER	A	POOR	WHITE	SECOND	COMMON O/S BATHROOMS	Positive	25.8
71	CHAIR RAIL	WOOD	A	POOR	BROWN	SECOND	COMMON O/S BATHROOMS	Positive	3.8
72	CHAIR RAIL	WOOD	B	POOR	BROWN	SECOND	COMMON O/S BATHROOMS	Positive	5.6
73	WAINSCOT	WOOD	A	POOR	WHITE	SECOND	COMMON O/S BATHROOMS	Positive	2.7
74	WAINSCOT	WOOD	B	POOR	WHITE	SECOND	COMMON O/S BATHROOMS	Positive	5.1
75	WAINSCOT	WOOD	B	POOR	WHITE	SECOND	EAST BATHROOM	Positive	30.3
76	WAINSCOT	WOOD	B	POOR	WHITE	SECOND	EAST BATHROOM	Positive	3.4
77	CHAIR RAIL MOLDING	WOOD	B	POOR	WHITE	SECOND	EAST BATHROOM	Positive	2.5
78	WINDOW SILL	WOOD	C	POOR	WHITE	SECOND	EAST BATHROOM	Positive	2.2
79	PIPE	METAL	B	POOR	WHITE	SECOND	EAST BATHROOM	Negative	0.26
80	PIPE	METAL	B	POOR	WHITE	SECOND	EAST BATHROOM	Negative	0.29
81	WINDOW FRAME	WOOD	C	POOR	BROWN	SECOND	EAST BATHROOM	Positive	1.4
82	WINDOW SASH	WOOD	C	PEELING	BROWN	SECOND	EAST BATHROOM	Positive	2.3
83	RADIATOR	METAL	C	PEELING	BROWN	SECOND	EAST BATHROOM	Negative	0
84	DOOR FRAME	WOOD	A	POOR	BROWN	SECOND	EAST BATHROOM	Negative	0
85	DOOR CASING	WOOD	A	POOR	BROWN	SECOND	EAST BATHROOM	Negative	0
86	DOOR	WOOD	A	POOR	BROWN	SECOND	EAST BATHROOM	Negative	0
87	WALL	PLASTER	A	FAIR	WHITE	SECOND	NORTH STAIRS	Positive	6
88	WALL	PLASTER	A	FAIR	WHITE	SECOND	NORTH STAIRS	Positive	6.7
89	WAINSCOT	WOOD	C	FAIR	WHITE	SECOND	NORTH STAIRS	Negative	0
90	WAINSCOT	WOOD	C	FAIR	WHITE	SECOND	NORTH STAIRS	Negative	0
91	BASEBOARD	WOOD	C	POOR	WHITE	SECOND	NORTH STAIRS	Negative	0
92	STAIR STRINGER	WOOD	C	POOR	BLOCK	SECOND	NORTH STAIRS	Negative	0



Lead Based Paint Testing Data - XRF Results

Project Name & Number: Francis Myers Recreation Center; 632-221

Client Name: Duffield Associates

Inspector & Dates: John P. Fiorelli, December 10, 2019 (Interior) & January 15, 2020 (Playground, Pool & Exterior)

Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Results	mg/cm ²
93	STAIR RAILING	WOOD	A	POOR	BLUE	SECOND	NORTH STAIRS	Negative	0
94	CHAIR RAIL MOLDING	WOOD	A	POOR	WHITE	SECOND	NORTH STAIRS	Negative	0
95	WALL	PLASTER	A	POOR	WHITE	SECOND	NE ROOM	Negative	0
96	WALL	PLASTER	A	POOR	WHITE	SECOND	NE ROOM	Positive	26.2
97	WALL	PLASTER	C	POOR	WHITE	SECOND	NE ROOM	Negative	0
98	WALL	PLASTER	C	POOR	WHITE	SECOND	NE ROOM	Positive	29.4
99	BASEBOARD	WOOD	C	POOR	BROWN	SECOND	NE ROOM	Negative	0
100	BASEBOARD	WOOD	A	POOR	WHITE	SECOND	NE ROOM	Positive	9
101	WINDOW SILL	WOOD	B	PEELING	BROWN	SECOND	NE ROOM	Negative	0.1
102	WINDOW SILL	WOOD	B	PEELING	BROWN	SECOND	NE ROOM	Negative	0.14
103	WINDOW SILL	WOOD	B	PEELING	BROWN	SECOND	NE ROOM	Negative	0.27
104	WINDOW APRON	WOOD	B	PEELING	BROWN	SECOND	NE ROOM	Positive	17.8
105	WINDOW FRAME	WOOD	B	PEELING	BROWN	SECOND	NE ROOM	Positive	12.7
106	WINDOW CASING	WOOD	B	PEELING	BROWN	SECOND	NE ROOM	Positive	11.3
107	WINDOW SASH	WOOD	B	PEELING	BROWN	SECOND	NE ROOM	Negative	0.4
108	RADIATOR	METAL	B	POOR	BROWN	SECOND	NE ROOM	Negative	0
109	DOOR FRAME	WOOD	A	POOR	BROWN	SECOND	NE ROOM	Negative	0.3
110	DOOR CASING	WOOD	A	POOR	BROWN	SECOND	NE ROOM	Negative	0
111	DOOR	WOOD	A	POOR	BROWN	SECOND	NE ROOM	Negative	0
112	CEILING	PLASTER	N/A	PEELING	TAN	SECOND	NE ROOM	Positive	27.5
113	CLOSET BASEBOARD	WOOD	A	POOR	BROWN	SECOND	NE ROOM	Negative	0.4
114	CLOSET DOOR FRAME	WOOD	D	POOR	BROWN	SECOND	NE ROOM	Negative	0
115	CLOSET DOOR CASING	WOOD	D	POOR	BROWN	SECOND	NE ROOM	Negative	0



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Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Results	mg/cm ²
116	CLOSET DOOR	WOOD	D	POOR	BROWN	SECOND	NE ROOM	Negative	0
117	DUCT	METAL	N/A	INTACT	TAN	SECOND	NE ROOM	Negative	0
118	WALL TILE	CERAMIC	A	INTACT	YELLOW	SECOND	NORTH BATHROOM	Negative	0
119	WINDOW FRAME	WOOD	C	INTACT	WHITE	SECOND	NORTH BATHROOM	Negative	0.3
120	WINDOW SASH	WOOD	C	INTACT	WHITE	SECOND	NORTH BATHROOM	Negative	0.23
121	WALL	PLASTER	D	INTACT	WHITE	SECOND	NORTH BATHROOM	Negative	0
122	WALL	PLASTER	D	INTACT	WHITE	SECOND	NORTH BATHROOM	Negative	0
123	WALL	PLASTER	C	PEELING	WHITE	SECOND	NORTH BATHROOM	Negative	0
124	RADIATOR	METAL	D	POOR	WHITE	SECOND	NORTH BATHROOM	Negative	0
125	DOOR FRAME	WOOD	A	POOR	BROWN	SECOND	NORTH BATHROOM	Negative	0.14
126	DOOR CASING	WOOD	A	POOR	WHITE	SECOND	NORTH BATHROOM	Negative	0
127	DOOR	WOOD	A	POOR	WHITE	SECOND	NORTH BATHROOM	Negative	0
128	WALL	PLASTER	A	POOR	WHITE	SECOND	NORTH ROOM	Negative	0
129	WALL	PLASTER	A	POOR	WHITE	SECOND	NORTH ROOM	Negative	0
130	WALL	PLASTER	C	POOR	WHITE	SECOND	NORTH ROOM	Positive	22
131	WINDOW SILL	WOOD	C	POOR	WHITE	SECOND	NORTH ROOM	Negative	0
132	WINDOW APRON	WOOD	C	POOR	WHITE	SECOND	NORTH ROOM	Negative	0
133	WINDOW FRAME	WOOD	C	POOR	WHITE	SECOND	NORTH ROOM	Negative	0.11
134	RADIATOR	METAL	C	POOR	BROWN	SECOND	NORTH ROOM	Negative	0
135	BASEBOARD	WOOD	B	POOR	BROWN	SECOND	NORTH ROOM	Negative	0.4
136	BASEBOARD	WOOD	A	POOR	BROWN	SECOND	NORTH ROOM	Positive	0.8
137	CEILING	WOOD	N/A	POOR	WHITE	SECOND	NORTH ROOM	Positive	33
138	CLOSET WALL	PLASTER	D	POOR	TAN	SECOND	NORTH ROOM	Positive	36.4



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Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Results	mg/cm ²
139	CLOSET WALL	PLASTER	D	POOR	TAN	SECOND	NORTH ROOM	Positive	35.8
140	CLOSET SHELF SUPPORT	WOOD	D	POOR	WHITE	SECOND	NORTH ROOM	Negative	0
141	CLOSET SHELF	WOOD	D	POOR	BROWN	SECOND	NORTH ROOM	Positive	1.6
142	CLOSET DOOR CASING	WOOD	D	POOR	BROWN	SECOND	NORTH ROOM	Negative	0
143	CLOSET BASEBOARD	WOOD	D	POOR	BROWN	SECOND	NORTH ROOM	Negative	0
144	WINDOW CASING	WOOD	C	POOR	WHITE	SECOND	NORTH ROOM	Negative	0
145	WALL	PLASTER	B	POOR	WHITE	SECOND	OPEN AREA O/S KITCHEN	Negative	0
146	WALL	PLASTER	B	POOR	WHITE	SECOND	OPEN AREA O/S KITCHEN	Positive	13.2
147	WINDOW SILL	WOOD	C	POOR	WHITE	SECOND	OPEN AREA O/S KITCHEN	Negative	0
148	WINDOW SILL	WOOD	C	POOR	WHITE	SECOND	OPEN AREA O/S KITCHEN	Negative	0
149	WINDOW FRAME	WOOD	C	POOR	WHITE	SECOND	OPEN AREA O/S KITCHEN	Negative	0
150	RADIATOR	METAL	C	POOR	BROWN	SECOND	OPEN AREA O/S KITCHEN	Negative	0
151	CEILING	PLASTER	N/A	POOR	WHITE	SECOND	OPEN AREA O/S KITCHEN	Positive	15.8
152	BASEBOARD	WOOD	B	POOR	BROWN	SECOND	OPEN AREA O/S KITCHEN	Negative	0
153	BASEBOARD	WOOD	A	POOR	BROWN	SECOND	OPEN AREA O/S KITCHEN	Negative	0
154	BASEBOARD	WOOD	D	POOR	BROWN	SECOND	OPEN AREA O/S KITCHEN	Negative	0
155	CEILING	WOOD	N/A	PEELING	WHITE	SECOND	KITCHEN	Negative	0
156	WINDOW SILL	WOOD	C	INTACT	PINK	SECOND	KITCHEN	Negative	0
157	WINDOW APRON	WOOD	C	INTACT	PINK	SECOND	KITCHEN	Negative	0
158	CABINET	WOOD	A	INTACT	BLACK	SECOND	KITCHEN	Negative	0
159	WALL	PLASTER	A	POOR	WHITE	SECOND	AREA BY STORAGE ROOM	Negative	0
160	WALL	PLASTER	A	POOR	WHITE	SECOND	AREA BY STORAGE ROOM	Negative	0
161	WALL	PLASTER	B	POOR	WHITE	SECOND	AREA BY STORAGE ROOM	Negative	0



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Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Results	mg/cm ²
162	SHELF SUPPORT	WOOD	B	POOR	WHITE	SECOND	AREA BY STORAGE ROOM	Negative	0
163	SHELF SUPPORT	WOOD	B	POOR	WHITE	SECOND	AREA BY STORAGE ROOM	Negative	0
164	DOOR FRAME	WOOD	A	POOR	BROWN	SECOND	AREA BY STORAGE ROOM	Positive	0.8
165	DOOR CASING	WOOD	A	POOR	BROWN	SECOND	AREA BY STORAGE ROOM	Negative	0
166	DOOR	WOOD	A	POOR	BROWN	SECOND	AREA BY STORAGE ROOM	Negative	0
167	DOOR FRAME	WOOD	B	POOR	BROWN	SECOND	AREA BY STORAGE ROOM	Negative	0
168	DOOR CASING	WOOD	B	POOR	BROWN	SECOND	AREA BY STORAGE ROOM	Negative	0
169	CABINET	WOOD	C	POOR	WHITE	SECOND	AREA BY STORAGE ROOM	Negative	0.2
170	BASEBOARD	WOOD	D	POOR	BROWN	SECOND	AREA BY STORAGE ROOM	Negative	0.21
171	WALL	PLASTER	B	PEELING	TAN	SECOND	SOUTH STAIRS	Negative	0.04
172	WALL	PLASTER	B	PEELING	TAN	SECOND	SOUTH STAIRS	Negative	0
173	WALL	PLASTER	B	PEELING	TAN	SECOND	SOUTH STAIRS	Positive	25.9
174	WALL	PLASTER	B	PEELING	TAN	SECOND	SOUTH STAIRS	Positive	23.6
175	CEILING	PLASTER	N/A	PEELING	TAN	SECOND	SOUTH STAIRS	Positive	26.8
176	WALL	BLOCK	A	INTACT	TAN	FIRST	GYM	Negative	0
177	FLOOR	WOOD	N/A	INTACT	SHELAC	FIRST	GYM	Negative	0
178	FLOOR	WOOD	N/A	INTACT	SHELAC	FIRST	GYM	Negative	0
179	FLOOR	WOOD	N/A	INTACT	BLACK	FIRST	GYM	Negative	0
180	COLUMN	METAL	N/A	POOR	WHITE	FIRST	GYM	Negative	0
181	BENCH	WOOD	A	POOR	GREY	FIRST	GYM	Negative	0
182	BENCH	WOOD	A	POOR	GREY	FIRST	GYM	Negative	0
183	BASEBOARD	RUBBER	A	POOR	BLACK	FIRST	GYM	Negative	0
184	STAIR	CONCRETE	A	POOR	GREY	FIRST	GYM	Negative	0



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Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Results	mg/cm ²
185	DOOR FRAME	METAL	A	POOR	GREY	FIRST	GYM	Negative	0
186	DOOR	METAL	A	POOR	GREY	FIRST	GYM	Negative	0
187	WALL	PLASTER	B	POOR	BLUE	FIRST	BATHROOM NEAR GYM	Negative	0
188	WALL	PLASTER	B	POOR	BLUE	FIRST	BATHROOM NEAR GYM	Negative	0
189	WALL	PLASTER	B	POOR	BLUE	FIRST	BATHROOM NEAR GYM	Negative	0
190	WALL TILE	CERAMIC	A	POOR	BLUE	FIRST	BATHROOM NEAR GYM	Negative	0
191	STALL DIVIDER	METAL	A	POOR	BROWN	FIRST	BATHROOM NEAR GYM	Negative	0
192	RADIATOR	METAL	C	POOR	WHITE	FIRST	BATHROOM NEAR GYM	Negative	0
193	DOOR FRAME	METAL	A	POOR	BLUE	FIRST	BATHROOM NEAR GYM	Negative	0
194	WALL	PLASTER	B	POOR	WHITE	FIRST	LARGE GAME ROOM	Negative	0.4
195	WALL	PLASTER	B	POOR	WHITE	FIRST	LARGE GAME ROOM	Negative	0.29
196	WALL	DRYWALL	B	POOR	WHITE	FIRST	LARGE GAME ROOM	Negative	0
197	WALL	BLOCK	D	POOR	WHITE	FIRST	LARGE GAME ROOM	Negative	0
198	RADIATOR	METAL	D	POOR	BLUE	FIRST	LARGE GAME ROOM	Negative	0
199	WALL	PLASTER	D	POOR	WHITE	FIRST	LARGE GAME ROOM	Positive	1.1
200	WALL	PLASTER	D	POOR	WHITE	FIRST	LARGE GAME ROOM	Positive	0.9
201	FLOOR	WOOD	N/A	POOR	TAN	FIRST	LARGE GAME ROOM	Negative	0
202	DOOR FRAME	WOOD	C	POOR	BLUE	FIRST	LARGE GAME ROOM	Positive	0.7
203	DOOR CASING	WOOD	C	POOR	BLUE	FIRST	LARGE GAME ROOM	Negative	0
204	DOOR	WOOD	C	POOR	BLUE	FIRST	LARGE GAME ROOM	Positive	1.2
205	CHAIR RAIL	WOOD	C	POOR	WHITE	FIRST	LARGE GAME ROOM	Positive	0.8
206	CEILING	WOOD	N/A	PEELING	WHITE	FIRST	NORTH COMMON AREA	Positive	1
207	WALL	PLASTER	A	INTACT	BLUE	FIRST	NORTH COMMON AREA	Negative	0



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Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Results	mg/cm ²
208	WALL	PLASTER	A	INTACT	BLUE	FIRST	NORTH COMMON AREA	Positive	2.1
209	WALL	PLASTER	B	FAIR	BLUE	FIRST	NORTH COMMON AREA	Positive	1.1
210	WALL	PLASTER	C	FAIR	BLUE	FIRST	NORTH COMMON AREA	Negative	0
211	WOOD WALL	WOOD	D	FAIR	BLUE	FIRST	NORTH COMMON AREA	Negative	0
212	WALL	PLASTER	C	FAIR	BLUE	FIRST	HALL BY BASEMENT STAIRS	Positive	8.7
213	WAINSCOT	WOOD	C	FAIR	BLUE	FIRST	HALL BY BASEMENT STAIRS	Positive	1.2
214	CHAIR RAIL	WOOD	C	FAIR	BLUE	FIRST	HALL BY BASEMENT STAIRS	Positive	1.1
215	DOOR FRAME	METAL	B	POOR	GREY	FIRST	HALL BY BASEMENT STAIRS	Negative	0
216	DOOR	METAL	B	POOR	GREY	FIRST	HALL BY BASEMENT STAIRS	Negative	0
217	WALL	DRYWALL	A	POOR	BLUE	FIRST	FRONT FOYER	Negative	0
218	WALL	DRYWALL	B	POOR	BLUE	FIRST	FRONT FOYER	Negative	0
219	WALL	DRYWALL	C	POOR	BLUE	FIRST	FRONT FOYER	Negative	0
220	DOOR FRAME	METAL	A	POOR	GREY	FIRST	FRONT FOYER	Negative	0
221	DOOR	METAL	A	POOR	GREY	FIRST	FRONT FOYER	Negative	0
222	RADIATOR	METAL	D	POOR	GREY	FIRST	FRONT FOYER	Negative	0
223	CEILING	DRYWALL	N/A	POOR	WHITE	FIRST	FRONT FOYER	Negative	0
224	CEILING	DRYWALL	N/A	POOR	WHITE	FIRST	SOUTH HALL	Negative	0
225	CEILING	DRYWALL	N/A	POOR	WHITE	FIRST	SOUTH HALL	Negative	0
226	COLUMN	PLASTER	D	POOR	BLUE	FIRST	SOUTH HALL	Negative	0.3
227	WALL	DRYWALL	D	POOR	BLUE	FIRST	SOUTH HALL	Negative	0
228	WALL	PLASTER	C	INTACT	BLUE	FIRST	SOUTH HALL	Negative	0.3
229	WALL	PLASTER	A	POOR	WHITE	FIRST	READING ROOM	Negative	0
230	WALL	PLASTER	A	POOR	WHITE	FIRST	READING ROOM	Negative	0



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Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Results	mg/cm ²
231	WALL	PLASTER	A	POOR	WHITE	FIRST	READING ROOM	Negative	0
232	WALL	PLASTER	A	POOR	WHITE	FIRST	READING ROOM	Negative	0
233	WALL	PLASTER	B	POOR	WHITE	FIRST	READING ROOM	Negative	0.5
234	WALL	PLASTER	B	POOR	WHITE	FIRST	READING ROOM	Negative	0
235	WALL	PLASTER	B	POOR	WHITE	FIRST	READING ROOM	Positive	27.4
236	WALL	PLASTER	C	POOR	WHITE	FIRST	READING ROOM	Positive	26.4
237	WINDOW SILL	WOOD	C	POOR	BLUE	FIRST	READING ROOM	Negative	0.23
238	WINDOW SILL	WOOD	C	POOR	BLUE	FIRST	READING ROOM	Negative	0.18
239	WINDOW APRON	WOOD	C	POOR	BLUE	FIRST	READING ROOM	Negative	0
240	WINDOW FRAME	WOOD	C	POOR	BLUE	FIRST	READING ROOM	Negative	0
241	WINDOW CASING	WOOD	C	POOR	BLUE	FIRST	READING ROOM	Negative	0.21
242	WINDOW SASH	WOOD	C	POOR	BLUE	FIRST	READING ROOM	Positive	2.5
243	WINDOW SILL	WOOD	C	POOR	BLUE	FIRST	READING ROOM	Negative	0.14
244	WINDOW APRON	WOOD	C	POOR	BLUE	FIRST	READING ROOM	Negative	0
245	WINDOW FRAME	WOOD	C	POOR	BLUE	FIRST	READING ROOM	Negative	0.21
246	WINDOW CASING	WOOD	C	POOR	BLUE	FIRST	READING ROOM	Negative	0.22
247	WINDOW SASH	WOOD	C	POOR	BLUE	FIRST	READING ROOM	Positive	4.1
248	RADIATOR	METAL	C	POOR	BLUE	FIRST	READING ROOM	Negative	0
249	CEILING	PLASTER	N/A	POOR	WHITE	FIRST	READING ROOM	Positive	21.4
250	BASEBOARD	WOOD	A	POOR	BLUE	FIRST	READING ROOM	Positive	6.5
251	DOOR FRAME	WOOD	A	POOR	BLUE	FIRST	READING ROOM	Negative	0
252	DOOR CASING	WOOD	A	POOR	BLUE	FIRST	READING ROOM	Negative	0
253	DOOR	WOOD	A	POOR	GREY	FIRST	READING ROOM	Negative	0



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Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Results	mg/cm ²
254	WALL	PLASTER	A	POOR	TAN	FIRST	CARETAKER OFFICE	Negative	0
255	WALL	PLASTER	A	POOR	TAN	FIRST	CARETAKER OFFICE	Negative	0
256	WALL	PLASTER	C	POOR	TAN	FIRST	CARETAKER OFFICE	Negative	0
257	WALL	PLASTER	C	POOR	TAN	FIRST	CARETAKER OFFICE	Negative	0
258	WALL	PLASTER	A	POOR	TAN	FIRST	CARETAKER OFFICE	Negative	0
259	WALL	PLASTER	A	POOR	TAN	FIRST	CARETAKER OFFICE	Negative	0
260	DOOR FRAME	WOOD	A	POOR	BLUE	FIRST	CARETAKER OFFICE	Negative	0
261	DOOR CASING	WOOD	A	POOR	BLUE	FIRST	CARETAKER OFFICE	Positive	1.1
262	DOOR	WOOD	A	POOR	GREY	FIRST	CARETAKER OFFICE	Negative	0
263	SHELF SUPPORT	WOOD	C	PEELING	BLUE	FIRST	CARETAKER OFFICE	Negative	0.19
264	SHELF	WOOD	C	PEELING	BLUE	FIRST	CARETAKER OFFICE	Negative	0.17
265	WINDOW FRAME	WOOD	C	PEELING	BLUE	FIRST	CARETAKER OFFICE	Negative	0
266	WINDOW SASH	WOOD	C	PEELING	BLUE	FIRST	CARETAKER OFFICE	Positive	4.4
267	RADIATOR	METAL	C	POOR	BLUE	FIRST	CARETAKER OFFICE	Negative	0
268	CLOSET DOOR FRAME	WOOD	C	POOR	BLUE	FIRST	CARETAKER OFFICE	Positive	4.8
269	CLOSET DOOR CASING	WOOD	C	POOR	BLUE	FIRST	CARETAKER OFFICE	Positive	2.6
270	CLOSET DOOR	WOOD	C	POOR	BLUE	FIRST	CARETAKER OFFICE	Negative	0
271	BASEBOARD	WOOD	A	POOR	BLUE	FIRST	CARETAKER OFFICE	Positive	1.9
272	WALL	DRYWALL	B	POOR	WHITE	FIRST	NORTH OFFICE	Negative	0
273	WALL(PLASTER BEHIND)	DRYWALL	D	POOR	WHITE	FIRST	NORTH OFFICE	Negative	0.27
274	WINDOW SILL	WOOD	D	POOR	BLUE	FIRST	NORTH OFFICE	Negative	0
275	WINDOW SILL	WOOD	D	POOR	BLUE	FIRST	NORTH OFFICE	Negative	0.1
276	WINDOW APRON	WOOD	D	POOR	BLUE	FIRST	NORTH OFFICE	Negative	0.2



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Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Results	mg/cm ²
277	WINDOW FRAME	WOOD	D	POOR	BLUE	FIRST	NORTH OFFICE	Negative	0.17
278	WINDOW SASH	WOOD	D	POOR	BLUE	FIRST	NORTH OFFICE	Negative	0.4
279	WINDOW SASH	WOOD	D	POOR	BLUE	FIRST	NORTH OFFICE	Positive	0.7
280	CLOSET DOOR FRAME	WOOD	B	POOR	BLUE	FIRST	NORTH OFFICE	Negative	0
281	CLOSET DOOR CASING	WOOD	B	POOR	BLUE	FIRST	NORTH OFFICE	Negative	0
282	DOOR FRAME	WOOD	A	POOR	GREY	FIRST	NORTH OFFICE	Negative	0
283	DOOR CASING	WOOD	A	POOR	BLUE	FIRST	NORTH OFFICE	Negative	0
284	DOOR	WOOD	A	POOR	BLUE	FIRST	NORTH OFFICE	Negative	0
285	CLOSET WALLS	WOOD	B	POOR	GREEN	FIRST	NORTH OFFICE	Negative	0
286	CLOSET WALLS	WOOD	B	POOR	GREEN	FIRST	NORTH OFFICE	Negative	0
287	CLOSET WALLS	WOOD	B	POOR	GREEN	FIRST	NORTH OFFICE	Negative	0
288	CLOSET SHELF SUPPORT	WOOD	B	POOR	GREEN	FIRST	NORTH OFFICE	Negative	0
289	CLOSET DOOR FRAME	WOOD	B	POOR	GREEN	FIRST	NORTH OFFICE	Negative	0.3
290	CLOSET DOOR CASING	WOOD	B	POOR	BLUE	FIRST	NORTH OFFICE	Negative	0.17
291	CLOSET WALLS	WOOD	D	POOR	BLUE	FIRST	NORTH OFFICE	Negative	0
292	CLOSET DOOR FRAME	WOOD	D	POOR	GREEN	FIRST	NORTH OFFICE	Negative	0.4
293	CLOSET DOOR CASING	WOOD	D	POOR	BLUE	FIRST	NORTH OFFICE	Negative	0.3
294	RADIATOR	METAL	D	POOR	BLUE	FIRST	NORTH OFFICE	Negative	0.18
295	CEILING	PLASTER	N/A	PEELING	WHITE	FIRST	NORTH OFFICE	Negative	0
296	CEILING BEAM	WOOD	N/A	PEELING	WHITE	FIRST	NORTH OFFICE	Negative	0.28
297	WALL	PLASTER	B	PEELING	PINK	FIRST	NORTH STORAGE CLOSET	Negative	0.15
298	WALL	PLASTER	C	PEELING	PINK	FIRST	NORTH STORAGE CLOSET	Negative	0
299	DOOR FRAME	WOOD	A	POOR	BLUE	FIRST	NORTH STORAGE CLOSET	Negative	0



Lead Based Paint Testing Data - XRF Results

Project Name & Number: Francis Myers Recreation Center; 632-221

Client Name: Duffield Associates

Inspector & Dates: John P. Fiorelli, December 10, 2019 (Interior) & January 15, 2020 (Playground, Pool & Exterior)

Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Results	mg/cm ²
300	DOOR CASING	WOOD	A	POOR	BLUE	FIRST	NORTH STORAGE CLOSET	Negative	0
301	DOOR	WOOD	A	POOR	BLUE	FIRST	NORTH STORAGE CLOSET	Negative	0
302	WALL	DRYWALL	A	POOR	TAN	FIRST	COMPUTER ROOM	Negative	0
303	WALL	DRYWALL	A	POOR	TAN	FIRST	COMPUTER ROOM	Negative	0
304	WALL	BLOCK	C	POOR	TAN	FIRST	COMPUTER ROOM	Negative	0
305	WINDOW FRAME	BLOCK	C	POOR	BROWN	FIRST	COMPUTER ROOM	Negative	0
306	CEILING	DRYWALL	N/A	POOR	TAN	FIRST	COMPUTER ROOM	Negative	0
307	WALL TILE	CERAMIC	A	POOR	TAN	FIRST	COMPUTER RM. CLOSET	Positive	0.9
308	WALL	PLASTER	D	POOR	TAN	FIRST	COMPUTER RM. CLOSET	Negative	0
309	WALL	PLASTER	D	POOR	TAN	FIRST	COMPUTER RM. CLOSET	Positive	36.7
310	WALL	DRYWALL	A	POOR	TAN	FIRST	KITCHEN	Negative	0
311	WALL	DRYWALL	B	POOR	TAN	FIRST	KITCHEN	Negative	0
312	WALL	DRYWALL	C	POOR	TAN	FIRST	KITCHEN	Negative	0
313	WALL	DRYWALL	D	POOR	TAN	FIRST	KITCHEN	Negative	0
314	CEILING	DRYWALL	N/A	POOR	TAN	FIRST	KITCHEN	Negative	0
315	DOOR FRAME	METAL	A	POOR	BLUE	FIRST	KITCHEN	Negative	0
316	DOOR	WOOD	A	POOR	BLUE	FIRST	KITCHEN	Negative	0
317	COLUMN	CONCRETE	B	PEELING	WHITE	FIRST	FRONT AUDITORIUM	Negative	0.25
318	COLUMN	CONCRETE	D	INTACT	WHITE	FIRST	FRONT AUDITORIUM	Positive	9.8
319	WALL	DRYWALL	A	INTACT	TAN	FIRST	STORAGE ADJ. AUDITORIUM	Negative	0
320	WALL	DRYWALL	B	INTACT	TAN	FIRST	STORAGE ADJ. AUDITORIUM	Negative	0
321	WALL	DRYWALL	C	INTACT	TAN	FIRST	STORAGE ADJ. AUDITORIUM	Negative	0
322	WALL	PLASTER	D	PEELING	TAN	BASEMENT	BASEMENT STAIRS	Positive	3.4



Lead Based Paint Testing Data - XRF Results

Project Name & Number: Francis Myers Recreation Center; 632-221

Client Name: Duffield Associates

Inspector & Dates: John P. Fiorelli, December 10, 2019 (Interior) & January 15, 2020 (Playground, Pool & Exterior)

Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Results	mg/cm ²
323	WALL	PLASTER	A	PEELING	TAN	BASEMENT	BASEMENT STAIRS	Positive	3.8
324	CEILING	PLASTER	A	PEELING	TAN	BASEMENT	BASEMENT STAIRS	Positive	2.9
325	WALL	WOOD	D	POOR	TAN	BASEMENT	POTTERY ROOM	Positive	10.1
326	CEILING	WOOD	D	POOR	TAN	BASEMENT	POTTERY ROOM	Positive	11.5
327	CLOSET DOOR FRAME	WOOD	D	POOR	BROWN	BASEMENT	POTTERY ROOM	Positive	11.4
328	CLOSET DOOR CASING	WOOD	D	POOR	BROWN	BASEMENT	POTTERY ROOM	Positive	8.4
329	CLOSET DOOR	WOOD	D	POOR	BROWN	BASEMENT	POTTERY ROOM	Positive	9.2
330	WALL	WOOD	D	POOR	BROWN	BASEMENT	POTTERY ROOM	Positive	10.1
331	SHELF	WOOD	D	POOR	BROWN	BASEMENT	POTTERY ROOM	Positive	1.5
332	SHELF	WOOD	D	POOR	TAN	BASEMENT	POTTERY ROOM	Positive	1.3
333	CEILING PIPE	METAL	N/A	POOR	TAN	BASEMENT	POTTERY ROOM	Negative	0
334	CEILING JOIST	WOOD	N/A	POOR	TAN	BASEMENT	HALL	Negative	0
335	CEILING JOIST	WOOD	N/A	POOR	TAN	BASEMENT	HALL	Negative	0
336	WALL	BLOCK	B	POOR	TAN	BASEMENT	HALL	Negative	0
337	DOOR FRAME	METAL	B	POOR	TAN	BASEMENT	HALL	Negative	0
338	DOOR	METAL	B	POOR	TAN	BASEMENT	HALL	Negative	0
339	CEILING JOIST	METAL	B	POOR	TAN	BASEMENT	LARGE CENTER AREA	Negative	0
340	WALL	CONCRETE	A	POOR	TAN	BASEMENT	FRONT STORAGE ADJ. TO STAIRS	Negative	0
341	WALL	CONCRETE	A	POOR	TAN	BASEMENT	FRONT STORAGE ADJ. TO STAIRS	Negative	0
Exterior-1/16/20									
1	SHUTTER_CALIBRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4.44
2	CALIBRATION_FILM	N/A	N/A	N/A	N/A	N/A	N/A	Negative	0
3	CALIBRATION_FILM	N/A	N/A	N/A	N/A	N/A	N/A	Negative	0.3



Lead Based Paint Testing Data - XRF Results

Project Name & Number: Francis Myers Recreation Center; 632-221

Client Name: Duffield Associates

Inspector & Dates: John P. Fiorelli, December 10, 2019 (Interior) & January 15, 2020 (Playground, Pool & Exterior)

Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Results	mg/cm ²
4	CALIBRATION_FILM	N/A	N/A	N/A	N/A	N/A	N/A	Positive	1.1
5	CALIBRATION_FILM	N/A	N/A	N/A	N/A	N/A	N/A	Positive	0.7
6	CALIBRATION_FILM	N/A	N/A	N/A	N/A	N/A	N/A	Positive	1.1
7	CALIBRATION_FILM	N/A	N/A	N/A	N/A	N/A	N/A	Positive	1.5
8	CALIBRATION_FILM	N/A	N/A	N/A	N/AE526	N/A	N/A	Positive	1.3
9	CALIBRATION_FILM	N/A	N/A	N/A	N/A	N/A	N/A	Positive	3.5
10	CALIBRATION_FILM	N/A	N/A	N/A	N/A	N/A	N/A	Negative	0
11	POOL	CONCRETE	N/A	POOR	WHITE	FIRST	OUTSIDE	Negative	0
12	POOL	CONCRETE	N/A	POOR	WHITE	FIRST	OUTSIDE	Negative	0
13	POOL	CONCRETE	N/A	POOR	WHITE	FIRST	OUTSIDE	Negative	0
14	POOL	CONCRETE	N/A	POOR	WHITE	FIRST	OUTSIDE	Negative	0
15	POOL GARAGE DOOR FRAME	WOOD	A	POOR	WHITE	FIRST	OUTSIDE	Negative	0
16	POOL GARAGE DOOR FRAME	WOOD	A	POOR	WHITE	FIRST	OUTSIDE	Negative	0
17	POOL GARAGE DOOR	WOOD	A	POOR	WHITE	FIRST	OUTSIDE	Negative	0
18	HALF WALL BY DOOR	WOOD	N/A	POOR	RED	FIRST	OUTSIDE	Negative	0
19	HALF WALL BY DOOR	WOOD	N/A	POOR	RED	FIRST	OUTSIDE	Negative	0
20	HALF WALL BY DOOR	WOOD	N/A	POOR	RED	FIRST	OUTSIDE	Negative	0
21	SWING	METAL	N/A	INTACT	RED	FIRST	OUTSIDE	Negative	0
22	PLAYGROUND EQUIPMENT	METAL	N/A	INTACT	BLUE	FIRST	OUTSIDE	Negative	0
23	PLAYGROUND EQUIPMENT	METAL	N/A	INTACT	TAN	FIRST	OUTSIDE	Negative	0
24	PLAYGROUND EQUIPMENT	METAL	N/A	INTACT	GREEN	FIRST	OUTSIDE	Negative	0
25	PARKING LOT POLES	METAL	N/A	POOR	YELLOW	FIRST	OUTSIDE	Negative	0
26	PARKING LOT POLES	METAL	N/A	POOR	YELLOW	FIRST	OUTSIDE	Negative	0



Lead Based Paint Testing Data - XRF Results

Project Name & Number: Francis Myers Recreation Center; 632-221

Client Name: Duffield Associates

Inspector & Dates: John P. Fiorelli, December 10, 2019 (Interior) & January 15, 2020 (Playground, Pool & Exterior)

Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Results	mg/cm ²
27	DOWNSPOUT	METAL	A	POOR	BLUE	FIRST	OUTSIDE	Negative	0
28	DOWNSPOUT	METAL	A	POOR	WHITE	FIRST	OUTSIDE	Negative	0
29	WALL MURAL	BRICK	A	POOR	WHITE	FIRST	OUTSIDE	Negative	0
30	GYM DOOR FRAME	METAL	A	POOR	BLUE	FIRST	OUTSIDE	Negative	0
31	GYM DOOR	METAL	A	POOR	BLUE	FIRST	OUTSIDE	Negative	0
32	OLD SWING	METAL	A	POOR	RED	FIRST	OUTSIDE	Negative	0
33	OLD SWING	METAL	A	POOR	RED	FIRST	OUTSIDE	Negative	0
34	PLAYGROUND BRICK HALF WALL	BRICK	N/A	POOR	RED	FIRST	OUTSIDE	Negative	0
35	PLAYGR BICK NALF WALL	BRICK	N/A	POOR	RED	FIRST	OUTSIDE	Negative	0
36	BENCH	METAL	N/A	POOR	BLUE	FIRST	OUTSIDE	Negative	0
37	BENCH	METAL	N/A	POOR	BLUE	FIRST	OUTSIDE	Negative	0
38	DOWNSPUT	METAL	C	POOR	BLUE	FIRST	OUTSIDE	Negative	0
39	SPRINKLER POLE	METAL	C	POOR	YELLOW	FIRST	OUTSIDE	Negative	0.19
40	FIRE ESCAPE STAIRS	METAL	C	POOR	BLACK	FIRST	OUTSIDE	Negative	0
41	FIRE ESCAPE STAIRS	METAL	C	POOR	BLACK	FIRST	OUTSIDE	Negative	0.15
42	FIRE ESCAPE STAIR RISERS	METAL	C	POOR	BLACK	FIRST	OUTSIDE	Positive	1.6
43	FIRE ESCAPE STAIR STRINGERS	METAL	C	POOR	BLACK	FIRST	OUTSIDE	Positive	2.2
44	GATE	METAL	A	POOR	BLACK	FIRST	OUTSIDE	Negative	0
45	WALL	CONCRETE	A	PEELING	GREY	FIRST	OUTSIDE	Negative	0
46	HANDICAP RAIL	CONCRETE	A	POOR	BLACK	FIRST	OUTSIDE	Negative	0



Lead Based Paint Testing Data - XRF Results

Project Name & Number: Francis Myers Recreation Center (Annex Building); 5801 Kingsessing Avenue, Philadelphia, PA 19143

Client Name: Duffield Associates; Project #632-221-2

Inspector & Dates: Ryan Hutsell, March 25, 2021

Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Result	Mg/cm ²
1	Calibration	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3.7
2	Calibration	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.6
3	Calibration	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.9
4	Calibration	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.6
5	Calibration	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.34
6	Calibration	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0
7	Walls	Plaster	C	Damaged	Yellow	Second	Room to the Left of Stairs	Positive	23.5
8	Wall	Plaster	A	Damaged	Blue	Third	Hallway	Positive	23.2
9	Wall	Plaster	A	Damaged	White	Second	Hallway	Positive	22.4
10	Wall	Plaster	D	Damaged	Yellow	Third	Room at End of Hallway	Positive	21.5
11	Wall	Plaster	C	Damaged	White	Second	Hallway	Positive	20.9
12	Wall	Plaster	C	Damaged	Yellow	Third	Room at End of Hallway	Positive	20.7
13	Wall	Plaster	D	Damaged	Blue	Third	Room across Hallway from Stairs	Positive	20.4
14	Wall	Plaster	C	Damaged	Red	Second	Large Room at End of Hallway	Positive	20.2
15	Walls	Plaster	A	Damaged	Yellow	Second	Room to the Left of Stairs	Positive	20.1
16	Wall	Plaster	C	Damaged	Blue	Third	Hallway	Positive	19.5
17	Walls	Plaster	B	Damaged	Yellow	Second	Room to the Left of Stairs	Positive	18.8
18	Ceiling	Plaster	N/A	Damaged	White	Third	Hallway	Positive	18.5
19	Walls	Plaster	B	Damaged	Yellow	Second	Stairs	Positive	18.2
20	Wall	Plaster	C	Damaged	Yellow	Third	Room across Hallway from Stairs	Positive	18.2
21	Wall	Plaster	B	Damaged	Red	Second	Large Room at End of Hallway	Positive	17.9
22	Wall	Plaster	B	Damaged	Blue	Third	Room across Hallway from Stairs	Positive	17.9
23	Walls	Plaster	D	Damaged	Yellow	Second	Room to the Left of Stairs	Positive	17.1



Lead Based Paint Testing Data - XRF Results

Project Name & Number: Francis Myers Recreation Center (Annex Building); 5801 Kingsessing Avenue, Philadelphia, PA 19143

Client Name: Duffield Associates; Project #632-221-2

Inspector & Dates: Ryan Hutsell, March 25, 2021

Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Result	Mg/cm ²
24	Wall	Plaster	A	Damaged	Red	Second	Large Room at End of Hallway	Positive	17.1
25	Walls	Plaster	A	Damaged	Yellow	Second	Stairs	Positive	16.9
26	Ceiling	Plaster	N/A	Damaged	Yellow	Second	Stairs	Positive	16.8
27	Wall	Plaster	A	Damaged	Blue	Third	Room at End of Hallway	Positive	16.8
28	Ceiling	Plaster	N/A	Damaged	White	Second	Room to the Left of Stairs	Positive	16.5
29	Wall	Plaster	D	Damaged	Red	Second	Large Room at End of Hallway	Positive	16.5
30	Wall	Plaster	B	Damaged	Blue	Third	Room at End of Hallway	Positive	16.4
31	Wall	Plaster	A	Damaged	Blue	Third	Room across Hallway from Stairs	Positive	16.2
32	Ceiling	Plaster	N/A	Damaged	White	Third	Room across Hallway from Stairs	Positive	15.7
33	Ceiling	Plaster	N/A	Damaged	White	Second	Hallway	Positive	15.4
34	Walls	Plaster	C	Damaged	Yellow	Second	Stairs	Positive	15.1
35	Ceiling	Plaster	N/A	Damaged	Red	Second	Large Room at End of Hallway	Positive	13.4
36	Ceiling	Plaster	N/A	Damaged	White	Third	Room at End of Hallway	Positive	11.9
37	Window Sash	Wood	A	Damaged	White	Second	Room to the Left of Stairs	Positive	5.1
38	Window Sill	Wood	A	Damaged	White	Second	Room to the Left of Stairs	Positive	4.6
39	Walls	Ceramic	B	Intact	Grey	Second	Bathroom	Positive	4
40	Window Apron	Wood	C	Damaged	White	Second	Large Room at End of Hallway	Positive	3.6
41	Floor	Ceramic	N/A	Intact	Grey	Second	Bathroom	Positive	3.5
42	Window Frame	Wood	C	Damaged	White	Second	Large Room at End of Hallway	Positive	3.2
43	Walls	Ceramic	A	Intact	Grey	Second	Bathroom	Positive	3.1
44	Wall	Ceramic	A	Intact	White	Third	Bathroom	Negative	3.1
45	Wall	Ceramic	B	Intact	White	Third	Bathroom	Negative	3
46	Window Frame	Wood	A	Damaged	White	Second	Room to the Left of Stairs	Positive	2.8



Lead Based Paint Testing Data - XRF Results

Project Name & Number: Francis Myers Recreation Center (Annex Building); 5801 Kingsessing Avenue, Philadelphia, PA 19143

Client Name: Duffield Associates; Project #632-221-2

Inspector & Dates: Ryan Hutsell, March 25, 2021

Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Result	Mg/cm ²
47	Door Frame	Wood	C	Damaged	Red	Second	Large Room at End of Hallway	Positive	2.7
48	Floor	Ceramic	N/A	Intact	White	Third	Bathroom	Negative	2.7
49	Door Frame	Plaster	A	Damaged	White	Second	Hallway	Positive	2.6
50	Window Apron	Wood	A	Damaged	White	Second	Room to the Left of Stairs	Positive	2.1
51	Chair Rail	Wood	A	Damaged	White	Second	Room to the Left of Stairs	Positive	1.9
52	Window Sill	Wood	C	Damaged	White	Second	Large Room at End of Hallway	Positive	1.8
53	Door Frame	Wood	B	Damaged	White	Second	Room to the Left of Stairs	Positive	1.5
54	Baseboard	Wood	N/A	Damaged	White	Second	Room to the Left of Stairs	Positive	1.5
55	Window Sash	Wood	C	Damaged	White	Second	Large Room at End of Hallway	Positive	1.5
56	Fire Escape Door	Wood	C	Damaged	Red	Second	Large Room at End of Hallway	Positive	0.9
57	Window Sill	Wood	A	Intact	White	First	Lobby/Waiting Area	Negative	0.5
58	Window Sill	Wood	C	Intact	White	First	Conference Room	Negative	0.33
59	Window Frame	Wood	A	Intact	White	First	Lobby/Waiting Area	Negative	0.32
60	Window Apron	Wood	C	Intact	White	First	Conference Room	Negative	0.31
61	Stringer	Wood	N/A	Damaged	Brown	Second	Stairs	Negative	0.3
62	Window Sill	Wood	C	Damaged	White	Second	Stairs	Negative	0.26
63	Window Sash	Wood	A	Intact	White	First	Lobby/Waiting Area	Negative	0.25
64	Stringer	Wood	N/A	Intact	Brown	Basement	Stairs	Negative	0.25
65	Handrail	Wood	N/A	Intact	Brown	Basement	Stairs	Negative	0.23
66	Window Frame	Wood	C	Intact	White	First	Conference Room	Negative	0.2
67	Riser	Wood	N/A	Intact	Brown	Basement	Stairs	Negative	0.2
68	Window Frame	Wood	C	Damaged	White	Second	Stairs	Negative	0.2
69	Window Sash	Wood	C	Intact	White	First	Conference Room	Negative	0.19



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Client Name: Duffield Associates; Project #632-221-2

Inspector & Dates: Ryan Hutsell, March 25, 2021

Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Result	Mg/cm ²
70	Newel Post	Wood	N/A	Intact	Brown	Basement	Stairs	Negative	0.19
71	Spindles	Wood	N/A	Damaged	Brown	Second	Stairs	Negative	0.19
72	Risers	Wood	N/A	Damaged	Brown	Second	Stairs	Negative	0.16
73	Window Sill	Wood	C	Intact	White	First	Office across from Left Restroom	Negative	0.15
74	Window Apron	Wood	C	Intact	White	First	Office across from Left Restroom	Negative	0.14
75	Transom Panel	Wood	B	Intact	White	First	Hallway	Negative	0.13
76	Window Sash	Wood	C	Intact	White	First	Office across from Left Restroom	Negative	0.1
77	Handrail	Wood	N/A	Damaged	White	Second	Stairs	Negative	0.1
78	Wall	Drywall	A	Intact	White	First	Storage Room adjacent Conference Room	Negative	0
79	Wall	Drywall	B	Intact	White	First	Storage Room adjacent Conference Room	Negative	0
80	Wall	Drywall	C	Intact	White	First	Storage Room adjacent Conference Room	Negative	0
81	Wall	Drywall	D	Intact	White	First	Storage Room adjacent Conference Room	Negative	0
82	Ceiling	Drywall	N/A	Intact	White	First	Storage Room adjacent Conference Room	Negative	0
83	Door Frame	Metal	A	Intact	Grey	First	Storage Room adjacent Conference Room	Negative	0
84	Door	Wood	A	Intact	Grey	First	Storage Room adjacent Conference Room	Negative	0
85	Baseboard	Wood	N/A	Intact	White	First	Storage Room adjacent Conference Room	Negative	0
86	Wall	Drywall	A	Intact	White	First	Storage Room adjacent Conference Room	Negative	0
87	Wall	Drywall	B	Intact	White	First	Storage Room across from Conference Room	Negative	0
88	Wall	Drywall	C	Intact	White	First	Storage Room across from Conference Room	Negative	0
89	Wall	Drywall	D	Intact	White	First	Storage Room across from Conference Room	Negative	0
90	Ceiling	Drywall	N/A	Intact	White	First	Storage Room across from Conference Room	Negative	0
91	Door Frame	Metal	A	Intact	Grey	First	Storage Room across from Conference Room	Negative	0
92	Door	Wood	A	Intact	Grey	First	Storage Room across from Conference Room	Negative	0



Lead Based Paint Testing Data - XRF Results

Project Name & Number: Francis Myers Recreation Center (Annex Building); 5801 Kingsessing Avenue, Philadelphia, PA 19143

Client Name: Duffield Associates; Project #632-221-2

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Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Result	Mg/cm ²
93	Baseboard	Wood	N/A	Intact	White	First	Storage Room across from Conference Room	Negative	0
94	Window Sill	Wood	B	Intact	White	First	Storage Room across from Conference Room	Negative	0
95	Window Apron	Wood	B	Intact	White	First	Storage Room across from Conference Room	Negative	0
96	Wall	Drywall	A	Intact	White	First	Hallway	Negative	0
97	Wall	Drywall	C	Intact	White	First	Hallway	Negative	0
98	Wall	Drywall	D	Intact	White	First	Hallway	Negative	0
99	Door Frame	Metal	A	Intact	White	First	Hallway	Negative	0
100	Door	Wood	C	Intact	White	First	Hallway	Negative	0
101	Door Frame	Metal	B	Intact	Grey	First	Hallway	Negative	0
102	Door	Metal	B	Intact	Grey	First	Hallway	Negative	0
103	Baseboard	Wood	N/A	Intact	White	First	Hallway	Negative	0
104	Built-in Shelving	Wood	C	Intact	White	First	Closet in Hallway	Negative	0
105	Wall	Drywall	B	Intact	White	First	Office across from Conference Room	Negative	0
106	Wall	Drywall	C	Intact	White	First	Office across from Conference Room	Negative	0
107	Wall	Drywall	D	Intact	White	First	Office across from Conference Room	Negative	0
108	Ceiling	Drywall	N/A	Intact	White	First	Office across from Conference Room	Negative	0
109	Door Frame	Metal	A	Intact	Grey	First	Office across from Conference Room	Negative	0
110	Door	Wood	A	Intact	Grey	First	Office across from Conference Room	Negative	0
111	Baseboard	Wood	N/A	Intact	White	First	Office across from Conference Room	Negative	0
112	Window Sill	Wood	B	Intact	White	First	Office across from Conference Room	Negative	0
113	Window Apron	Wood	B	Intact	White	First	Office across from Conference Room	Negative	0
114	Wall	Drywall	A	Intact	White	First	Conference Room	Negative	0
115	Wall	Drywall	B	Intact	White	First	Conference Room	Negative	0



Lead Based Paint Testing Data - XRF Results

Project Name & Number: Francis Myers Recreation Center (Annex Building); 5801 Kingsessing Avenue, Philadelphia, PA 19143

Client Name: Duffield Associates; Project #632-221-2

Inspector & Dates: Ryan Hutsell, March 25, 2021

Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Result	Mg/cm ²
116	Wall	Drywall	C	Intact	White	First	Conference Room	Negative	0
117	Wall	Drywall	D	Intact	White	First	Conference Room	Negative	0
118	Ceiling	Drywall	N/A	Intact	White	First	Conference Room	Negative	0
119	Ceiling	Plaster	N/A	Intact	Yellow	First	Conference Room	Negative	0
120	Door Frame	Metal	A	Intact	Grey	First	Conference Room	Negative	0
121	Door	Wood	A	Intact	Grey	First	Conference Room	Negative	0
122	Closet Door Frame	Metal	B	Intact	Grey	First	Conference Room	Negative	0
123	Baseboard	Wood	N/A	Intact	White	First	Conference Room	Negative	0
124	Wall	Drywall	A	Intact	White	First	Conference Room	Negative	0
125	Wall	Drywall	A	Intact	White	First	Left Restroom	Negative	0
126	Wall	Drywall	B	Intact	White	First	Left Restroom	Negative	0
127	Wall	Drywall	C	Intact	White	First	Left Restroom	Negative	0
128	Wall	Drywall	D	Intact	White	First	Left Restroom	Negative	0
129	Shelf Bracket	Wood	C	Intact	Grey	First	Left Restroom	Negative	0
130	Wall	Drywall	A	Intact	White	First	Right Restroom	Negative	0
131	Wall	Drywall	B	Intact	White	First	Right Restroom	Negative	0
132	Wall	Drywall	C	Intact	White	First	Right Restroom	Negative	0
133	Wall	Drywall	D	Intact	White	First	Right Restroom	Negative	0
134	Shelf Bracket	Wood	D	Intact	Grey	First	Right Restroom	Negative	0
135	Window Sill	Wood	C	Intact	Grey	First	Right Restroom	Negative	0
136	Window Apron	Wood	C	Intact	Grey	First	Right Restroom	Negative	0
137	Grey	Drywall	A	Intact	White	First	Office across from Right Restroom	Negative	0
138	Grey	Drywall	B	Intact	White	First	Office across from Right Restroom	Negative	0



Lead Based Paint Testing Data - XRF Results

Project Name & Number: Francis Myers Recreation Center (Annex Building); 5801 Kingsessing Avenue, Philadelphia, PA 19143

Client Name: Duffield Associates; Project #632-221-2

Inspector & Dates: Ryan Hutsell, March 25, 2021

Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Result	Mg/cm ²
139	Grey	Drywall	C	Intact	White	First	Office across from Right Restroom	Negative	0
140	Grey	Drywall	D	Intact	White	First	Office across from Right Restroom	Negative	0
141	Ceiling	Drywall	N/A	Intact	White	First	Office across from Right Restroom	Negative	0
142	Door Frame	Metal	A	Intact	Grey	First	Office across from Right Restroom	Negative	0
143	Door	Wood	A	Intact	Grey	First	Office across from Right Restroom	Negative	0
144	Closet Shelves	Wood	A	Intact	White	First	Office across from Right Restroom	Negative	0
145	Grey	Drywall	A	Intact	White	First	Office across from Left Restroom	Negative	0
146	Grey	Drywall	B	Intact	White	First	Office across from Left Restroom	Negative	0
147	Grey	Drywall	C	Intact	White	First	Office across from Left Restroom	Negative	0
148	Grey	Drywall	D	Intact	White	First	Office across from Left Restroom	Negative	0
149	Built-in Shelving	Wood	A	Intact	White	First	Office across from Left Restroom	Negative	0
150	Window Frame	Wood	C	Intact	White	First	Office across from Left Restroom	Negative	0
151	Wall	Drywall	B	Intact	Grey	First	Entrance Foyer	Negative	0
152	Wall	Drywall	D	Intact	Grey	First	Entrance Foyer	Negative	0
153	Baseboard	Wood	N/A	Intact	White	First	Entrance Foyer	Negative	0
154	Ceiling	Drywall	N/A	Intact	White	First	Entrance Foyer	Negative	0
155	Wainscoting	Wood	B	Intact	White	First	Entrance Foyer	Negative	0
156	Wainscoting	Wood	D	Intact	White	First	Entrance Foyer	Negative	0
157	Window Apron	Wood	A	Intact	White	First	Lobby/Waiting Area	Negative	0
158	Wall	Drywall	A	Intact	Grey	First	Lobby/Waiting Area	Negative	0
159	Wall	Drywall	B	Intact	Grey	First	Lobby/Waiting Area	Negative	0
160	Wall	Drywall	C	Intact	Grey	First	Lobby/Waiting Area	Negative	0
161	Wall	Drywall	D	Intact	Grey	First	Lobby/Waiting Area	Negative	0



Lead Based Paint Testing Data - XRF Results

Project Name & Number: Francis Myers Recreation Center (Annex Building); 5801 Kingsessing Avenue, Philadelphia, PA 19143

Client Name: Duffield Associates; Project #632-221-2

Inspector & Dates: Ryan Hutsell, March 25, 2021

Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Result	Mg/cm ²
162	Baseboard	Drywall	N/A	Intact	Grey	First	Lobby/Waiting Area	Negative	0
163	Window Frame	Wood	B	Intact	Grey	First	Lobby/Waiting Area	Negative	0
164	Shelf	Wood	D	Intact	White	First	Lobby/Waiting Area	Negative	0
165	Wall	Drywall	A	Intact	White	First	Left Office adjacent Lobby	Negative	0
166	Wall	Drywall	B	Intact	White	First	Left Office adjacent Lobby	Negative	0
167	Wall	Drywall	C	Intact	White	First	Left Office adjacent Lobby	Negative	0
168	Wall	Drywall	D	Intact	White	First	Left Office adjacent Lobby	Negative	0
169	Baseboard	Drywall	N/A	Intact	White	First	Left Office adjacent Lobby	Negative	0
170	Door Frame	Metal	A	Intact	White	First	Left Office adjacent Lobby	Negative	0
171	Door	Wood	A	Intact	White	First	Left Office adjacent Lobby	Negative	0
172	Wall	Drywall	A	Intact	White	First	Right Office adjacent Lobby	Negative	0
173	Wall	Drywall	B	Intact	White	First	Right Office adjacent Lobby	Negative	0
174	Wall	Drywall	C	Intact	White	First	Right Office adjacent Lobby	Negative	0
175	Wall	Drywall	D	Intact	White	First	Right Office adjacent Lobby	Negative	0
176	Baseboard	Drywall	N/A	Intact	White	First	Right Office adjacent Lobby	Negative	0
177	Door Frame	Metal	A	Intact	White	First	Right Office adjacent Lobby	Negative	0
178	Door	Wood	A	Intact	White	First	Right Office adjacent Lobby	Negative	0
179	Shelf	Wood	D	Intact	White	First	Right Office adjacent Lobby	Negative	0
180	Wall	Plaster	A	Intact	White	Basement	Stairs	Negative	0
181	Wall	Plaster	B	Intact	White	Basement	Stairs	Negative	0
182	Wall	Plaster	C	Intact	White	Basement	Stairs	Negative	0
183	Wall	Plaster	D	Intact	White	Basement	Stairs	Negative	0
184	Ceiling	Plaster	N/A	Intact	White	Basement	Stairs	Negative	0



Lead Based Paint Testing Data - XRF Results

Project Name & Number: Francis Myers Recreation Center (Annex Building); 5801 Kingsessing Avenue, Philadelphia, PA 19143

Client Name: Duffield Associates; Project #632-221-2

Inspector & Dates: Ryan Hutsell, March 25, 2021

Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Result	Mg/cm ²
185	Wall	Brick	A	Intact	White	Basement	Basement	Negative	0
186	Wall	CMU	A	Intact	White	Basement	Basement	Negative	0
187	Wall	Brick	B	Intact	White	Basement	Basement	Negative	0
188	Wall	CMU	B	Intact	White	Basement	Basement	Negative	0
189	Wall	Brick	C	Intact	White	Basement	Basement	Negative	0
190	Wall	CMU	C	Intact	White	Basement	Basement	Negative	0
191	Wall	Brick	D	Intact	White	Basement	Basement	Negative	0
192	Wall	CMU	D	Intact	White	Basement	Basement	Negative	0
193	Window Frame	Wood	A	Intact	White	Basement	Basement	Negative	0
194	Door Frame	Metal	A	Intact	White	Basement	Basement	Negative	0
195	Door	Wood	A	Intact	White	Basement	Basement	Negative	0
196	Window Frame	Wood	D	Intact	White	Basement	Basement	Negative	0
197	Door Frame	Metal	D	Intact	White	Basement	Basement	Negative	0
198	Door	Wood	D	Intact	White	Basement	Basement	Negative	0
199	Floor	Concrete	N/A	Intact	Grey	Basement	Basement	Negative	0
200	Window Frame	Wood	B	Intact	White	Basement	Basement	Negative	0
201	Window Panel	Wood	B	Intact	White	Basement	Basement	Negative	0
202	Ceiling/Floor Joists	Wood	N/A	Intact	White	Basement	Basement	Negative	0
203	Walls	Plaster	D	Damaged	Yellow	Second	Stairs	Negative	0
204	Window Frame	Wood	A	Intact	Shellac	Third	Room across Hallway from Stairs	Negative	0
205	Window Sill	Wood	A	Intact	Shellac	Third	Room across Hallway from Stairs	Negative	0
206	Window Sash	Wood	A	Intact	Shellac	Third	Room across Hallway from Stairs	Negative	0
207	Window Apron	Wood	A	Intact	Shellac	Third	Room across Hallway from Stairs	Negative	0



Lead Based Paint Testing Data - XRF Results

Project Name & Number: Francis Myers Recreation Center (Annex Building); 5801 Kingsessing Avenue, Philadelphia, PA 19143

Client Name: Duffield Associates; Project #632-221-2

Inspector & Dates: Ryan Hutsell, March 25, 2021

Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Result	Mg/cm ²
208	Door Frame	Wood	A	Intact	Shellac	Third	Hallway	Negative	0
209	Door Frame	Wood	C	Intact	Shellac	Third	Hallway	Negative	0
210	Baseboard	Wood	N/A	Intact	Shellac	Third	Hallway	Negative	0
211	Door Frame	Wood	A	Intact	Shellac	Third	Room at End of Hallway	Negative	0
212	Window Frame	Wood	C	Intact	Shellac	Third	Room at End of Hallway	Negative	0
213	Window Sill	Wood	C	Intact	Shellac	Third	Room at End of Hallway	Negative	0
214	Window Apron	Wood	C	Intact	Shellac	Third	Room at End of Hallway	Negative	0
215	Window Sash	Wood	C	Intact	Shellac	Third	Room at End of Hallway	Negative	0
216	Baseboard	Wood	N/A	Intact	Shellac	Third	Room at End of Hallway	Negative	0
217	Calibration	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3.6
218	Calibration	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.7
219	Calibration	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.1
220	Calibration	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.7
221	Calibration	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.3
222	Calibration	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0

* Assume LBP on plaster walls & ceiling concealed behind sheetrock on 1st Floor

**All painted wooden window components and trim on 2nd & 3rd Floor contains LBP

***Shellacked wooden components on the 3rd Floor are non-lead components.

Attachment #4

Photographs



Photo 1 – View of LBP on decorative plaster in front auditorium.

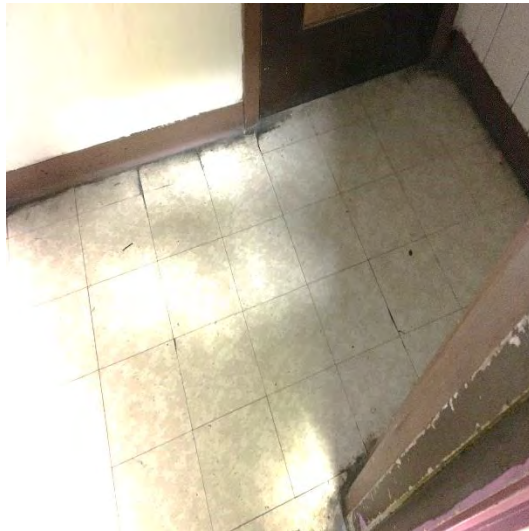


Photo 2 – View of non-asbestos floor tile on top of plywood and VAT.

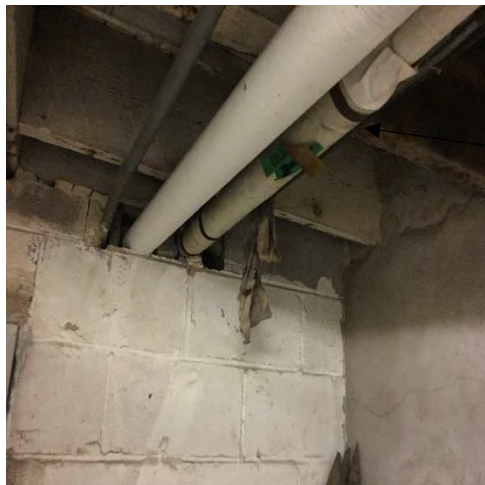


Photo 3 – View of ACPI located at bottom of basement stairs.



Photo 4 – View of ACPI at south side of large open area in basement.

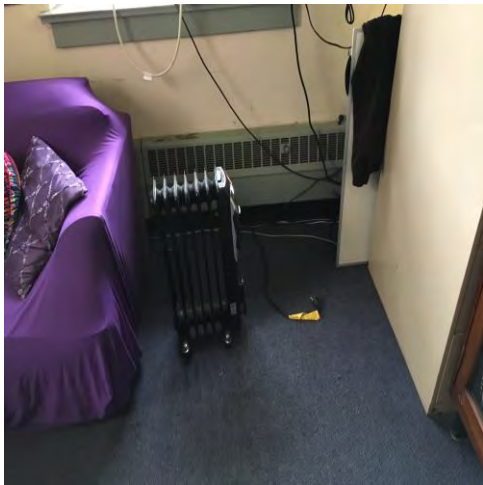


Photo 5 – View of carpet over non asbestos tile, plywood and VAT on 1st floor. VAT

APPENDIX K

SGS ANALYTICAL LABORATORY REPORT

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Duffield Associates, Inc.

Francis Myers Recreation Center, Philadelphia, PA

12254.EQ

SGS Job Number: JC98663

Sampling Date: 11/13/19



Report to:

Duffield Associates, Incorporated
211 North 13th Street Suite 704
Philadelphia, PA 19107
vschantz@duffnet.com

ATTN: Victoria Schantz

Total number of pages in report: 103



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Laura Degenhardt
General Manager

Client Service contact: Victoria Pushkova 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TX, UT, VA, WV, DoD ELAP (ANAB L2248)

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Test results relate only to samples analyzed.

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Sample Summary

Duffield Associates, Inc.

Job No: JC98663

Francis Myers Recreation Center, Philadelphia, PA
 Project No: 12254.EQ

Sample Number	Collected		Matrix Code	Received	Type	Client Sample ID
	Date	Time By				
JC98663-1	11/13/19	09:30 DLH	SO	11/15/19	Soil	FRA-SB1-A
JC98663-2	11/13/19	09:35 DLH	SO	11/15/19	Soil	FRA-SB1-B
JC98663-3	11/13/19	09:40 DLH	SO	11/15/19	Soil	FRA-SB2-A
JC98663-4	11/13/19	09:45 DLH	SO	11/15/19	Soil	FRA-SB2-B
JC98663-5	11/13/19	09:50 DLH	SO	11/15/19	Soil	FRA-SB3-A
JC98663-6	11/13/19	09:55 DLH	SO	11/15/19	Soil	FRA-SB3-B
JC98663-7	11/13/19	10:00 DLH	SO	11/15/19	Soil	FRA-SB4-A
JC98663-8	11/13/19	10:05 DLH	SO	11/15/19	Soil	FRA-SB4-B
JC98663-9	11/13/19	10:10 DLH	SO	11/15/19	Soil	FRA-SB5-A
JC98663-10	11/13/19	10:15 DLH	SO	11/15/19	Soil	FRA-SB5-B
JC98663-11	11/13/19	10:20 DLH	SO	11/15/19	Soil	FRA-SB6-A
JC98663-12	11/13/19	10:25 DLH	SO	11/15/19	Soil	FRA-SB6-B
JC98663-13	11/13/19	10:30 DLH	SO	11/15/19	Soil	FRA-SB7-A

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



Sample Summary

(continued)

Duffield Associates, Inc.

Job No: JC98663

Francis Myers Recreation Center, Philadelphia, PA
 Project No: 12254.EQ

Sample Number	Collected		Matrix Code	Matrix Type	Received	Client Sample ID
	Date	Time By				
JC98663-14	11/13/19	10:35 DLH	SO	Soil	11/15/19	FRA-SB7-B
JC98663-15	11/13/19	10:40 DLH	SO	Soil	11/15/19	FRA-SB8-A
JC98663-16	11/13/19	10:45 DLH	SO	Soil	11/15/19	FRA-SB8-B
JC98663-17	11/13/19	10:50 DLH	SO	Soil	11/15/19	FRA-SB9-A
JC98663-18	11/13/19	10:55 DLH	SO	Soil	11/15/19	FRA-SB9-B
JC98663-19	11/13/19	11:00 DLH	SO	Soil	11/15/19	FRA-SB10-A
JC98663-20	11/13/19	11:05 DLH	SO	Soil	11/15/19	FRA-SB10-B
JC98663-21	11/13/19	11:10 DLH	SO	Soil	11/15/19	FRA-SB11-A
JC98663-22	11/13/19	11:15 DLH	SO	Soil	11/15/19	FRA-SB11-B
JC98663-23	11/13/19	11:20 DLH	SO	Soil	11/15/19	FRA-SB12-A
JC98663-24	11/13/19	11:25 DLH	SO	Soil	11/15/19	FRA-SB12-B
JC98663-25	11/13/19	11:30 DLH	SO	Soil	11/15/19	FRA-SB13-A
JC98663-26	11/13/19	11:35 DLH	SO	Soil	11/15/19	FRA-SB13-B

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



Sample Summary

(continued)

Duffield Associates, Inc.

Job No: JC98663

Francis Myers Recreation Center, Philadelphia, PA
 Project No: 12254.EQ

Sample Number	Collected		Matrix Code	Received	Type	Client Sample ID
	Date	Time By				
JC98663-27	11/13/19	11:40 DLH	SO	11/15/19	Soil	FRA-SB14-A
JC98663-28	11/13/19	11:45 DLH	SO	11/15/19	Soil	FRA-SB14-B
JC98663-29	11/13/19	11:50 DLH	SO	11/15/19	Soil	FRA-SB15-A
JC98663-30	11/13/19	11:55 DLH	SO	11/15/19	Soil	FRA-SB15-B
JC98663-31	11/13/19	12:00 DLH	SO	11/15/19	Soil	FRA-SB16-A
JC98663-32	11/13/19	12:05 DLH	SO	11/15/19	Soil	FRA-SB16-B
JC98663-33	11/13/19	12:10 DLH	SO	11/15/19	Soil	FRA-SB17-A
JC98663-34	11/13/19	12:15 DLH	SO	11/15/19	Soil	FRA-SB17-B
JC98663-35	11/13/19	12:20 DLH	SO	11/15/19	Soil	FRA-SB18-A
JC98663-36	11/13/19	12:25 DLH	SO	11/15/19	Soil	FRA-SB18-B
JC98663-37	11/13/19	12:30 DLH	SO	11/15/19	Soil	FRA-SB19-A
JC98663-38	11/13/19	12:35 DLH	SO	11/15/19	Soil	FRA-SB19-B
JC98663-39	11/13/19	12:40 DLH	SO	11/15/19	Soil	FRA-SB20-A

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



Sample Summary

(continued)

Duffield Associates, Inc.

Job No: JC98663

Francis Myers Recreation Center, Philadelphia, PA
 Project No: 12254.EQ

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
JC98663-40	11/13/19	12:45 DLH	11/15/19	SO	Soil	FRA-SB20-B
JC98663-41	11/13/19	12:50 DLH	11/15/19	SO	Soil	FRA-SB21-A
JC98663-42	11/13/19	12:55 DLH	11/15/19	SO	Soil	FRA-SB21-B
JC98663-43	11/13/19	13:00 DLH	11/15/19	SO	Soil	FRA-SB22-A
JC98663-44	11/13/19	13:05 DLH	11/15/19	SO	Soil	FRA-SB22-B
JC98663-45	11/13/19	13:10 DLH	11/15/19	SO	Soil	FRA-SB23-A
JC98663-46	11/13/19	13:15 DLH	11/15/19	SO	Soil	FRA-SB23-B
JC98663-47	11/13/19	13:20 DLH	11/15/19	SO	Soil	FRA-SB24-A
JC98663-48	11/13/19	13:25 DLH	11/15/19	SO	Soil	FRA-SB24-B
JC98663-49	11/13/19	13:30 DLH	11/15/19	SO	Soil	FRA-SB25-A
JC98663-50	11/13/19	13:35 DLH	11/15/19	SO	Soil	FRA-SB25-B

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Summary of Hits

Job Number: JC98663
Account: Duffield Associates, Inc.
Project: Francis Myers Recreation Center, Philadelphia, PA
Collected: 11/13/19

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC98663-1	FRA-SB1-A					
Lead		201	2.7		mg/kg	SW846 6010D
JC98663-2	FRA-SB1-B					
Lead		200	2.5		mg/kg	SW846 6010D
JC98663-3	FRA-SB2-A					
Lead		123	2.7		mg/kg	SW846 6010D
JC98663-4	FRA-SB2-B					
Lead		123	2.5		mg/kg	SW846 6010D
JC98663-5	FRA-SB3-A					
Lead		90.0	2.5		mg/kg	SW846 6010D
JC98663-6	FRA-SB3-B					
Lead		81.0	2.7		mg/kg	SW846 6010D
JC98663-7	FRA-SB4-A					
Lead		71.8	2.6		mg/kg	SW846 6010D
JC98663-8	FRA-SB4-B					
Lead		74.2	2.6		mg/kg	SW846 6010D
JC98663-9	FRA-SB5-A					
Lead		54.7	2.7		mg/kg	SW846 6010D
JC98663-10	FRA-SB5-B					
Lead		49.2	2.6		mg/kg	SW846 6010D
JC98663-11	FRA-SB6-A					
Lead		93.5	2.7		mg/kg	SW846 6010D

Summary of Hits

Job Number: JC98663
Account: Duffield Associates, Inc.
Project: Francis Myers Recreation Center, Philadelphia, PA
Collected: 11/13/19

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC98663-12	FRA-SB6-B					
Lead		80.9	2.4		mg/kg	SW846 6010D
JC98663-13	FRA-SB7-A					
Lead		51.6	2.4		mg/kg	SW846 6010D
JC98663-14	FRA-SB7-B					
Lead		67.5	2.4		mg/kg	SW846 6010D
JC98663-15	FRA-SB8-A					
Lead		510	2.7		mg/kg	SW846 6010D
JC98663-16	FRA-SB8-B					
Lead		491	2.5		mg/kg	SW846 6010D
JC98663-17	FRA-SB9-A					
Lead		55.0	2.6		mg/kg	SW846 6010D
JC98663-18	FRA-SB9-B					
Lead		58.3	2.5		mg/kg	SW846 6010D
JC98663-19	FRA-SB10-A					
Lead		51.6	2.6		mg/kg	SW846 6010D
JC98663-20	FRA-SB10-B					
Lead		50.1	2.5		mg/kg	SW846 6010D
JC98663-21	FRA-SB11-A					
Lead		110	2.7		mg/kg	SW846 6010D
JC98663-22	FRA-SB11-B					
Lead		108	2.6		mg/kg	SW846 6010D

Summary of Hits

Job Number: JC98663
Account: Duffield Associates, Inc.
Project: Francis Myers Recreation Center, Philadelphia, PA
Collected: 11/13/19

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC98663-23	FRA-SB12-A					
Lead		70.8	2.4		mg/kg	SW846 6010D
JC98663-24	FRA-SB12-B					
Lead		77.4	4.6		mg/kg	SW846 6010D
JC98663-25	FRA-SB13-A					
Lead		69.4	2.6		mg/kg	SW846 6010D
JC98663-26	FRA-SB13-B					
Lead		71.7	2.5		mg/kg	SW846 6010D
JC98663-27	FRA-SB14-A					
Lead		75.5	2.4		mg/kg	SW846 6010D
JC98663-28	FRA-SB14-B					
Lead		93.5	2.5		mg/kg	SW846 6010D
JC98663-29	FRA-SB15-A					
Lead		107	2.6		mg/kg	SW846 6010D
JC98663-30	FRA-SB15-B					
Lead		115	2.4		mg/kg	SW846 6010D
JC98663-31	FRA-SB16-A					
Lead		106	2.5		mg/kg	SW846 6010D
JC98663-32	FRA-SB16-B					
Lead		105	2.5		mg/kg	SW846 6010D
JC98663-33	FRA-SB17-A					
Lead		69.3	2.4		mg/kg	SW846 6010D

Summary of Hits

Job Number: JC98663
Account: Duffield Associates, Inc.
Project: Francis Myers Recreation Center, Philadelphia, PA
Collected: 11/13/19

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC98663-34	FRA-SB17-B					
Lead		63.6	2.4		mg/kg	SW846 6010D
JC98663-35	FRA-SB18-A					
Lead		46.5	2.5		mg/kg	SW846 6010D
JC98663-36	FRA-SB18-B					
Lead		40.8	2.4		mg/kg	SW846 6010D
JC98663-37	FRA-SB19-A					
Lead		94.6	2.5		mg/kg	SW846 6010D
JC98663-38	FRA-SB19-B					
Lead		76.2	4.8		mg/kg	SW846 6010D
JC98663-39	FRA-SB20-A					
Lead		112	2.5		mg/kg	SW846 6010D
JC98663-40	FRA-SB20-B					
Lead		101	2.4		mg/kg	SW846 6010D
JC98663-41	FRA-SB21-A					
Lead		93.9	2.6		mg/kg	SW846 6010D
JC98663-42	FRA-SB21-B					
Lead		99.4	2.6		mg/kg	SW846 6010D
JC98663-43	FRA-SB22-A					
Lead		156	2.5		mg/kg	SW846 6010D
JC98663-44	FRA-SB22-B					
Lead		412	2.5		mg/kg	SW846 6010D

Summary of Hits

Job Number: JC98663
Account: Duffield Associates, Inc.
Project: Francis Myers Recreation Center, Philadelphia, PA
Collected: 11/13/19

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC98663-45	FRA-SB23-A					
Lead		147	2.4		mg/kg	SW846 6010D
JC98663-46	FRA-SB23-B					
Lead		141	2.5		mg/kg	SW846 6010D
JC98663-47	FRA-SB24-A					
Lead		138	2.4		mg/kg	SW846 6010D
JC98663-48	FRA-SB24-B					
Lead		134	2.4		mg/kg	SW846 6010D
JC98663-49	FRA-SB25-A					
Lead		415	2.6		mg/kg	SW846 6010D
JC98663-50	FRA-SB25-B					
Lead		109	2.6		mg/kg	SW846 6010D

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: FRA-SB1-A	Date Sampled: 11/13/19
Lab Sample ID: JC98663-1	Date Received: 11/15/19
Matrix: SO - Soil	Percent Solids: 76.9
Project: Francis Myers Recreation Center, Philadelphia, PA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	201	2.7	mg/kg	1	11/27/19	11/28/19 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA47882

(2) Prep QC Batch: MP18587

RL = Reporting Limit

Report of Analysis

32
3

Client Sample ID: FRA-SB1-B		Date Sampled: 11/13/19
Lab Sample ID: JC98663-2		Date Received: 11/15/19
Matrix: SO - Soil		Percent Solids: 80.1
Project: Francis Myers Recreation Center, Philadelphia, PA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	200	2.5	mg/kg	1	11/27/19	11/28/19 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA47882

(2) Prep QC Batch: MP18587

RL = Reporting Limit

Report of Analysis

Client Sample ID: FRA-SB2-A	Date Sampled: 11/13/19
Lab Sample ID: JC98663-3	Date Received: 11/15/19
Matrix: SO - Soil	Percent Solids: 77.7
Project: Francis Myers Recreation Center, Philadelphia, PA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	123	2.7	mg/kg	1	11/27/19	11/28/19 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA47882

(2) Prep QC Batch: MP18587

RL = Reporting Limit

Report of Analysis

Client Sample ID: FRA-SB2-B	Date Sampled: 11/13/19
Lab Sample ID: JC98663-4	Date Received: 11/15/19
Matrix: SO - Soil	Percent Solids: 77.9
Project: Francis Myers Recreation Center, Philadelphia, PA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	123	2.5	mg/kg	1	11/27/19	11/28/19 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA47882

(2) Prep QC Batch: MP18587

RL = Reporting Limit

Report of Analysis

Client Sample ID: FRA-SB3-A	Date Sampled: 11/13/19
Lab Sample ID: JC98663-5	Date Received: 11/15/19
Matrix: SO - Soil	Percent Solids: 76.4
Project: Francis Myers Recreation Center, Philadelphia, PA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	90.0	2.5	mg/kg	1	11/27/19	11/28/19 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA47882

(2) Prep QC Batch: MP18587

RL = Reporting Limit

Report of Analysis

Client Sample ID: FRA-SB3-B	Date Sampled: 11/13/19
Lab Sample ID: JC98663-6	Date Received: 11/15/19
Matrix: SO - Soil	Percent Solids: 77.5
Project: Francis Myers Recreation Center, Philadelphia, PA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	81.0	2.7	mg/kg	1	11/27/19	11/28/19 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA47882

(2) Prep QC Batch: MP18587

RL = Reporting Limit

Report of Analysis

Client Sample ID: FRA-SB4-A	Date Sampled: 11/13/19
Lab Sample ID: JC98663-7	Date Received: 11/15/19
Matrix: SO - Soil	Percent Solids: 76.1
Project: Francis Myers Recreation Center, Philadelphia, PA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	71.8	2.6	mg/kg	1	11/27/19	11/28/19 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA47882

(2) Prep QC Batch: MP18587

RL = Reporting Limit

Report of Analysis



Client Sample ID: FRA-SB4-B	
Lab Sample ID: JC98663-8	Date Sampled: 11/13/19
Matrix: SO - Soil	Date Received: 11/15/19
	Percent Solids: 78.4
Project: Francis Myers Recreation Center, Philadelphia, PA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	74.2	2.6	mg/kg	1	11/27/19	11/28/19 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA47882

(2) Prep QC Batch: MP18587

RL = Reporting Limit

Report of Analysis

Client Sample ID: FRA-SB5-A	Date Sampled: 11/13/19
Lab Sample ID: JC98663-9	Date Received: 11/15/19
Matrix: SO - Soil	Percent Solids: 75.5
Project: Francis Myers Recreation Center, Philadelphia, PA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	54.7	2.7	mg/kg	1	11/27/19	11/28/19 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA47882

(2) Prep QC Batch: MP18587

RL = Reporting Limit

Report of Analysis

Client Sample ID: FRA-SB5-B	Date Sampled: 11/13/19
Lab Sample ID: JC98663-10	Date Received: 11/15/19
Matrix: SO - Soil	Percent Solids: 79.7
Project: Francis Myers Recreation Center, Philadelphia, PA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	49.2	2.6	mg/kg	1	11/27/19	11/28/19 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA47882

(2) Prep QC Batch: MP18587

RL = Reporting Limit

Report of Analysis

Client Sample ID: FRA-SB6-A	Date Sampled: 11/13/19
Lab Sample ID: JC98663-11	Date Received: 11/15/19
Matrix: SO - Soil	Percent Solids: 77.1
Project: Francis Myers Recreation Center, Philadelphia, PA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	93.5	2.7	mg/kg	1	11/27/19	11/28/19 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA47882

(2) Prep QC Batch: MP18587

RL = Reporting Limit

Report of Analysis

Client Sample ID: FRA-SB6-B	Date Sampled: 11/13/19
Lab Sample ID: JC98663-12	Date Received: 11/15/19
Matrix: SO - Soil	Percent Solids: 81.0
Project: Francis Myers Recreation Center, Philadelphia, PA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	80.9	2.4	mg/kg	1	11/27/19	11/28/19 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA47882

(2) Prep QC Batch: MP18587

RL = Reporting Limit

Report of Analysis

Client Sample ID: FRA-SB7-A	Date Sampled: 11/13/19
Lab Sample ID: JC98663-13	Date Received: 11/15/19
Matrix: SO - Soil	Percent Solids: 82.9
Project: Francis Myers Recreation Center, Philadelphia, PA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	51.6	2.4	mg/kg	1	11/27/19	11/28/19 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA47882

(2) Prep QC Batch: MP18587

RL = Reporting Limit

Report of Analysis

Client Sample ID: FRA-SB7-B	Date Sampled: 11/13/19
Lab Sample ID: JC98663-14	Date Received: 11/15/19
Matrix: SO - Soil	Percent Solids: 84.2
Project: Francis Myers Recreation Center, Philadelphia, PA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	67.5	2.4	mg/kg	1	11/27/19	11/28/19 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA47882

(2) Prep QC Batch: MP18587

RL = Reporting Limit

Report of Analysis

Client Sample ID: FRA-SB8-A	Date Sampled: 11/13/19
Lab Sample ID: JC98663-15	Date Received: 11/15/19
Matrix: SO - Soil	Percent Solids: 74.4
Project: Francis Myers Recreation Center, Philadelphia, PA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	510	2.7	mg/kg	1	11/27/19	11/28/19 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA47882

(2) Prep QC Batch: MP18587

RL = Reporting Limit

Report of Analysis

Client Sample ID: FRA-SB8-B	Date Sampled: 11/13/19
Lab Sample ID: JC98663-16	Date Received: 11/15/19
Matrix: SO - Soil	Percent Solids: 79.4
Project: Francis Myers Recreation Center, Philadelphia, PA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	491	2.5	mg/kg	1	11/27/19	11/28/19 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA47882

(2) Prep QC Batch: MP18587

RL = Reporting Limit

Report of Analysis

Client Sample ID: FRA-SB9-A	Date Sampled: 11/13/19
Lab Sample ID: JC98663-17	Date Received: 11/15/19
Matrix: SO - Soil	Percent Solids: 76.4
Project: Francis Myers Recreation Center, Philadelphia, PA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	55.0	2.6	mg/kg	1	11/27/19	11/28/19 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA47882

(2) Prep QC Batch: MP18587

RL = Reporting Limit

Report of Analysis

Client Sample ID: FRA-SB9-B	Date Sampled: 11/13/19
Lab Sample ID: JC98663-18	Date Received: 11/15/19
Matrix: SO - Soil	Percent Solids: 76.5
Project: Francis Myers Recreation Center, Philadelphia, PA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	58.3	2.5	mg/kg	1	11/27/19	11/28/19 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA47882

(2) Prep QC Batch: MP18587

RL = Reporting Limit

Report of Analysis

Client Sample ID: FRA-SB10-A	Date Sampled: 11/13/19
Lab Sample ID: JC98663-19	Date Received: 11/15/19
Matrix: SO - Soil	Percent Solids: 79.1
Project: Francis Myers Recreation Center, Philadelphia, PA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	51.6	2.6	mg/kg	1	11/27/19	11/28/19 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA47882

(2) Prep QC Batch: MP18587

RL = Reporting Limit

Report of Analysis

Client Sample ID: FRA-SB10-B	
Lab Sample ID: JC98663-20	Date Sampled: 11/13/19
Matrix: SO - Soil	Date Received: 11/15/19
	Percent Solids: 79.7
Project: Francis Myers Recreation Center, Philadelphia, PA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	50.1	2.5	mg/kg	1	11/27/19	11/28/19 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA47882

(2) Prep QC Batch: MP18587

RL = Reporting Limit

Report of Analysis

Client Sample ID: FRA-SB11-A	Date Sampled: 11/13/19
Lab Sample ID: JC98663-21	Date Received: 11/15/19
Matrix: SO - Soil	Percent Solids: 76.1
Project: Francis Myers Recreation Center, Philadelphia, PA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	110	2.7	mg/kg	1	11/27/19	11/28/19 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA47882

(2) Prep QC Batch: MP18588

RL = Reporting Limit

Report of Analysis

Client Sample ID: FRA-SB11-B	Date Sampled: 11/13/19
Lab Sample ID: JC98663-22	Date Received: 11/15/19
Matrix: SO - Soil	Percent Solids: 79.2
Project: Francis Myers Recreation Center, Philadelphia, PA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	108	2.6	mg/kg	1	11/27/19	11/28/19 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA47882

(2) Prep QC Batch: MP18588

RL = Reporting Limit

Report of Analysis

Client Sample ID: FRA-SB12-A	Date Sampled: 11/13/19
Lab Sample ID: JC98663-23	Date Received: 11/15/19
Matrix: SO - Soil	Percent Solids: 79.1
Project: Francis Myers Recreation Center, Philadelphia, PA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	70.8	2.4	mg/kg	1	11/27/19	11/28/19 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA47882

(2) Prep QC Batch: MP18588

RL = Reporting Limit

Report of Analysis

Client Sample ID: FRA-SB12-B	Date Sampled: 11/13/19
Lab Sample ID: JC98663-24	Date Received: 11/15/19
Matrix: SO - Soil	Percent Solids: 82.9
Project: Francis Myers Recreation Center, Philadelphia, PA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	77.4	4.6	mg/kg	2	11/27/19	12/02/19 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA47896

(2) Prep QC Batch: MP18588

RL = Reporting Limit

Report of Analysis

Client Sample ID: FRA-SB13-A	Date Sampled: 11/13/19
Lab Sample ID: JC98663-25	Date Received: 11/15/19
Matrix: SO - Soil	Percent Solids: 77.5
Project: Francis Myers Recreation Center, Philadelphia, PA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	69.4	2.6	mg/kg	1	11/27/19	11/28/19 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA47882

(2) Prep QC Batch: MP18588

RL = Reporting Limit

Report of Analysis

Client Sample ID: FRA-SB13-B	Date Sampled: 11/13/19
Lab Sample ID: JC98663-26	Date Received: 11/15/19
Matrix: SO - Soil	Percent Solids: 81.3
Project: Francis Myers Recreation Center, Philadelphia, PA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	71.7	2.5	mg/kg	1	11/27/19	11/28/19 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA47882

(2) Prep QC Batch: MP18588

RL = Reporting Limit

Report of Analysis

Client Sample ID: FRA-SB14-A	Date Sampled: 11/13/19
Lab Sample ID: JC98663-27	Date Received: 11/15/19
Matrix: SO - Soil	Percent Solids: 80.4
Project: Francis Myers Recreation Center, Philadelphia, PA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	75.5	2.4	mg/kg	1	11/27/19	11/28/19 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA47882

(2) Prep QC Batch: MP18588

RL = Reporting Limit

Report of Analysis

Client Sample ID: FRA-SB14-B	Date Sampled: 11/13/19
Lab Sample ID: JC98663-28	Date Received: 11/15/19
Matrix: SO - Soil	Percent Solids: 78.6
Project: Francis Myers Recreation Center, Philadelphia, PA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	93.5	2.5	mg/kg	1	11/27/19	11/28/19 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA47882

(2) Prep QC Batch: MP18588

RL = Reporting Limit

Report of Analysis

Client Sample ID: FRA-SB15-A	Date Sampled: 11/13/19
Lab Sample ID: JC98663-29	Date Received: 11/15/19
Matrix: SO - Soil	Percent Solids: 79.1
Project: Francis Myers Recreation Center, Philadelphia, PA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	107	2.6	mg/kg	1	11/27/19	11/28/19 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA47882

(2) Prep QC Batch: MP18588

RL = Reporting Limit

Report of Analysis

Client Sample ID: FRA-SB15-B	Date Sampled: 11/13/19
Lab Sample ID: JC98663-30	Date Received: 11/15/19
Matrix: SO - Soil	Percent Solids: 81.6
Project: Francis Myers Recreation Center, Philadelphia, PA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	115	2.4	mg/kg	1	11/27/19	11/28/19 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA47882

(2) Prep QC Batch: MP18588

RL = Reporting Limit

Report of Analysis

Client Sample ID: FRA-SB16-A	Date Sampled: 11/13/19
Lab Sample ID: JC98663-31	Date Received: 11/15/19
Matrix: SO - Soil	Percent Solids: 78.4
Project: Francis Myers Recreation Center, Philadelphia, PA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	106	2.5	mg/kg	1	11/27/19	11/28/19 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA47882

(2) Prep QC Batch: MP18588

RL = Reporting Limit

Report of Analysis

Client Sample ID: FRA-SB16-B	Date Sampled: 11/13/19
Lab Sample ID: JC98663-32	Date Received: 11/15/19
Matrix: SO - Soil	Percent Solids: 78.4
Project: Francis Myers Recreation Center, Philadelphia, PA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	105	2.5	mg/kg	1	11/27/19	11/28/19 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA47882

(2) Prep QC Batch: MP18588

RL = Reporting Limit

Report of Analysis

Client Sample ID: FRA-SB17-A	Date Sampled: 11/13/19
Lab Sample ID: JC98663-33	Date Received: 11/15/19
Matrix: SO - Soil	Percent Solids: 83.4
Project: Francis Myers Recreation Center, Philadelphia, PA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	69.3	2.4	mg/kg	1	11/27/19	11/28/19 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA47882

(2) Prep QC Batch: MP18588

RL = Reporting Limit

Report of Analysis

Client Sample ID: FRA-SB17-B	Date Sampled: 11/13/19
Lab Sample ID: JC98663-34	Date Received: 11/15/19
Matrix: SO - Soil	Percent Solids: 86.5
Project: Francis Myers Recreation Center, Philadelphia, PA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	63.6	2.4	mg/kg	1	11/27/19	11/28/19 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA47882

(2) Prep QC Batch: MP18588

RL = Reporting Limit

Report of Analysis

Client Sample ID: FRA-SB18-A	Date Sampled: 11/13/19
Lab Sample ID: JC98663-35	Date Received: 11/15/19
Matrix: SO - Soil	Percent Solids: 81.1
Project: Francis Myers Recreation Center, Philadelphia, PA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	46.5	2.5	mg/kg	1	11/27/19	11/28/19 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA47882

(2) Prep QC Batch: MP18588

RL = Reporting Limit

Report of Analysis

Client Sample ID: FRA-SB18-B	
Lab Sample ID: JC98663-36	Date Sampled: 11/13/19
Matrix: SO - Soil	Date Received: 11/15/19
	Percent Solids: 82.3
Project: Francis Myers Recreation Center, Philadelphia, PA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	40.8	2.4	mg/kg	1	11/27/19	11/28/19 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA47882

(2) Prep QC Batch: MP18588

RL = Reporting Limit

Report of Analysis

Client Sample ID: FRA-SB19-A	Date Sampled: 11/13/19
Lab Sample ID: JC98663-37	Date Received: 11/15/19
Matrix: SO - Soil	Percent Solids: 80.4
Project: Francis Myers Recreation Center, Philadelphia, PA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	94.6	2.5	mg/kg	1	11/27/19	11/28/19 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA47882

(2) Prep QC Batch: MP18588

RL = Reporting Limit

Report of Analysis

Client Sample ID: FRA-SB19-B	Date Sampled: 11/13/19
Lab Sample ID: JC98663-38	Date Received: 11/15/19
Matrix: SO - Soil	Percent Solids: 83.1
Project: Francis Myers Recreation Center, Philadelphia, PA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	76.2	4.8	mg/kg	2	11/27/19	12/02/19 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA47896

(2) Prep QC Batch: MP18588

RL = Reporting Limit

Report of Analysis

Client Sample ID: FRA-SB20-A	
Lab Sample ID: JC98663-39	Date Sampled: 11/13/19
Matrix: SO - Soil	Date Received: 11/15/19
	Percent Solids: 82.1
Project: Francis Myers Recreation Center, Philadelphia, PA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	112	2.5	mg/kg	1	11/27/19	11/28/19 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA47882

(2) Prep QC Batch: MP18588

RL = Reporting Limit

Report of Analysis

Client Sample ID: FRA-SB20-B	Date Sampled: 11/13/19
Lab Sample ID: JC98663-40	Date Received: 11/15/19
Matrix: SO - Soil	Percent Solids: 81.4
Project: Francis Myers Recreation Center, Philadelphia, PA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	101	2.4	mg/kg	1	11/27/19	11/28/19 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA47882

(2) Prep QC Batch: MP18588

RL = Reporting Limit

Report of Analysis

Client Sample ID: FRA-SB21-A	Date Sampled: 11/13/19
Lab Sample ID: JC98663-41	Date Received: 11/15/19
Matrix: SO - Soil	Percent Solids: 77.3
Project: Francis Myers Recreation Center, Philadelphia, PA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	93.9	2.6	mg/kg	1	11/26/19	12/01/19 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA47888

(2) Prep QC Batch: MP18567

RL = Reporting Limit

Report of Analysis

Client Sample ID: FRA-SB21-B	Date Sampled: 11/13/19
Lab Sample ID: JC98663-42	Date Received: 11/15/19
Matrix: SO - Soil	Percent Solids: 79.3
Project: Francis Myers Recreation Center, Philadelphia, PA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	99.4	2.6	mg/kg	1	11/26/19	12/01/19 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA47888

(2) Prep QC Batch: MP18567

RL = Reporting Limit

Report of Analysis

Client Sample ID: FRA-SB22-A	Date Sampled: 11/13/19
Lab Sample ID: JC98663-43	Date Received: 11/15/19
Matrix: SO - Soil	Percent Solids: 79.7
Project: Francis Myers Recreation Center, Philadelphia, PA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	156	2.5	mg/kg	1	11/26/19	12/01/19 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA47888

(2) Prep QC Batch: MP18567

RL = Reporting Limit

Report of Analysis

Client Sample ID: FRA-SB22-B	Date Sampled: 11/13/19
Lab Sample ID: JC98663-44	Date Received: 11/15/19
Matrix: SO - Soil	Percent Solids: 78.8
Project: Francis Myers Recreation Center, Philadelphia, PA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	412	2.5	mg/kg	1	11/26/19	12/01/19 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA47888

(2) Prep QC Batch: MP18567

RL = Reporting Limit

Report of Analysis

Client Sample ID: FRA-SB23-A	Date Sampled: 11/13/19
Lab Sample ID: JC98663-45	Date Received: 11/15/19
Matrix: SO - Soil	Percent Solids: 79.6
Project: Francis Myers Recreation Center, Philadelphia, PA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	147	2.4	mg/kg	1	11/26/19	12/01/19 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA47888

(2) Prep QC Batch: MP18567

RL = Reporting Limit

Report of Analysis

Client Sample ID: FRA-SB23-B	Date Sampled: 11/13/19
Lab Sample ID: JC98663-46	Date Received: 11/15/19
Matrix: SO - Soil	Percent Solids: 83.7
Project: Francis Myers Recreation Center, Philadelphia, PA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	141	2.5	mg/kg	1	11/26/19	12/01/19 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA47888

(2) Prep QC Batch: MP18567

RL = Reporting Limit

Report of Analysis

Client Sample ID: FRA-SB24-A	Date Sampled: 11/13/19
Lab Sample ID: JC98663-47	Date Received: 11/15/19
Matrix: SO - Soil	Percent Solids: 84.0
Project: Francis Myers Recreation Center, Philadelphia, PA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	138	2.4	mg/kg	1	11/26/19	12/01/19 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA47888

(2) Prep QC Batch: MP18567

RL = Reporting Limit

Report of Analysis

Client Sample ID: FRA-SB24-B	
Lab Sample ID: JC98663-48	Date Sampled: 11/13/19
Matrix: SO - Soil	Date Received: 11/15/19
	Percent Solids: 86.0
Project: Francis Myers Recreation Center, Philadelphia, PA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	134	2.4	mg/kg	1	11/26/19	12/01/19 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA47888

(2) Prep QC Batch: MP18567

RL = Reporting Limit

Report of Analysis

Client Sample ID: FRA-SB25-A	Date Sampled: 11/13/19
Lab Sample ID: JC98663-49	Date Received: 11/15/19
Matrix: SO - Soil	Percent Solids: 74.5
Project: Francis Myers Recreation Center, Philadelphia, PA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	415	2.6	mg/kg	1	11/26/19	12/01/19 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA47888

(2) Prep QC Batch: MP18567

RL = Reporting Limit

Report of Analysis

Client Sample ID: FRA-SB25-B	
Lab Sample ID: JC98663-50	Date Sampled: 11/13/19
Matrix: SO - Soil	Date Received: 11/15/19
	Percent Solids: 77.0
Project: Francis Myers Recreation Center, Philadelphia, PA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	109	2.6	mg/kg	1	11/26/19	12/01/19 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA47888

(2) Prep QC Batch: MP18567

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody



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CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL: 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

FED-EX Tracking #	Boiler Order Control #
SGS Quote #	SGS Job # JC98663

Client / Reporting Information		Project Information		Requested Analysis										Matrix Codes
Company Name: Duffield Associates		Project Name: Francis Myers Recreation Center - Lead Screening		Lead (EPA SW-846 Method 8010B)										DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge SED - Sediment OI - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipe FB - Field Blank EB - Equipment Blank RB - Rinse Blank TB - Trip Blank
Street Address: 211 N 13th Street, Suite 704		Street: Chester Avenue												
City State Zip: Philadelphia, PA 19107		City State: Philadelphia PA												
Project Contact: Victoria Schantz E-mail: vschantz@duffnet.com		Project #: 12254.EQ												
Phone #: 302-239-6634		Client Purchase Order #:												
Sampler(s) Name(s): Dan Hartman		Project Manager: Jen Gresh												

SGS Sample #	Field ID / Point of Collection	MECH/DI Vial #	Collection		Sampled by	Grab (S) Comp (C)	Matrix	# of bottles	Number of preserved Bottles										LAB USE ONLY
			Date	Time					HCl	NaOH	HNO3	H2SO4	NDRE	DI Water	MEOH	ENCORE	Lead		
1	FRA-SB1-A		11/13/19	0930	DLH	G	SO	1										X	C FLR
2	FRA-SB1-B		11/13/19	0935	DLH	G	SO	1										X	
3	FRA-SB2-A		11/13/19	0940	DLH	G	SO	1										X	
4	FRA-SB2-B		11/13/19	0945	DLH	G	SO	1										X	
5	FRA-SB3-A		11/13/19	0950	DLH	G	SO	1										X	
6	FRA-SB3-B		11/13/19	0955	DLH	G	SO	1										X	
7	FRA-SB4-A		11/13/19	1000	DLH	G	SO	1										X	
8	FRA-SB4-B		11/13/19	1005	DLH	G	SO	1										X	
9	FRA-SB5-A		11/13/19	1010	DLH	G	SO	1										X	Initial Assessment 1854
10	FRA-SB5-B		11/13/19	1015	DLH	G	SO	1										X	Label Verification
11	FRA-SB6-A		11/13/19	1020	DLH	G	SO	1										X	
12	FRA-SB6-B		11/13/19	1025	DLH	G	SO	1										X	

Turn Around Time (Business Days)		Deliverable		Comments / Special Instructions	
<input checked="" type="checkbox"/> 10 Business Days <input type="checkbox"/> 5 Business Days <input type="checkbox"/> 3 Business Days* <input type="checkbox"/> 2 Business Days* <input type="checkbox"/> 1 Business Day* <input type="checkbox"/> Other _____ <small>All data available via Lablink</small>		Approved By (808 PM) / Date: _____ <input type="checkbox"/> Commercial "A" (Level 1) <input type="checkbox"/> NYASP Category A <input type="checkbox"/> DOD-QSM5 <input checked="" type="checkbox"/> Commercial "B" (Level 2) <input type="checkbox"/> NYASP Category B <input type="checkbox"/> NJ Reduced (Level 3) <input type="checkbox"/> MA MCP Criteria <input type="checkbox"/> Full Tier 1 (Level 4) <input type="checkbox"/> CT RCP Criteria <input type="checkbox"/> Commercial "C" <input type="checkbox"/> State Forms <input type="checkbox"/> NJ DKQP <input type="checkbox"/> EDD Format		http://www.sgs.com/en/terms-and-conditions	

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by: 1 <i>[Signature]</i>	Date / Time: 11/15 9:10	Received by: 1 <i>[Signature]</i>	Date / Time: 11/15 11:50
Relinquished by: 3	Date / Time:	Received by: 3	Date / Time:
Relinquished by: 5	Date / Time:	Received by: 5	Date / Time:

Custody Seal # Intact Not intact Preserved where applicable Absent Therm. ID: _____ On Ice Cooler Temp. **35.5 F**

4.1
4





CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

FED-EX Tracking #
Bottle Order Control #
SGS Quote #
SGS Job # JC98663

Main chain of custody form including Client/Reporting Information, Project Information, Requested Analysis, Matrix Codes, Collection table, Turn Around Time, Deliverable, and Chain of Custody table.

4.1
4



SGS Sample Receipt Summary

Job Number: JC98663

Client: _____

Project: _____

Date / Time Received: 11/15/2019 6:50:00 PM

Delivery Method: _____

Airbill #'s: _____

Cooler Temps (Raw Measured) °C: Cooler 1: (3.5);

Cooler Temps (Corrected) °C: Cooler 1: (3.3);

<u>Cooler Security</u>	<u>Y</u>	<u>or</u>	<u>N</u>		<u>Y</u>	<u>or</u>	<u>N</u>
1. Custody Seals Present:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	3. COC Present:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. Custody Seals Intact:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	4. Smpl Dates/Time OK	<input checked="" type="checkbox"/>		<input type="checkbox"/>

<u>Cooler Temperature</u>	<u>Y</u>	<u>or</u>	<u>N</u>
1. Temp criteria achieved:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

<u>Quality Control Preservation</u>	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Trip Blank present / cooler:	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Trip Blank listed on COC:	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Samples preserved properly:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. VOCs headspace free:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

<u>Sample Integrity - Documentation</u>	<u>Y</u>	<u>or</u>	<u>N</u>
1. Sample labels present on bottles:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. Container labeling complete:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
3. Sample container label / COC agree:	<input checked="" type="checkbox"/>		<input type="checkbox"/>

<u>Sample Integrity - Condition</u>	<u>Y</u>	<u>or</u>	<u>N</u>
1. Sample recvd within HT:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. All containers accounted for:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
3. Condition of sample:	Intact		

<u>Sample Integrity - Instructions</u>	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Analysis requested is clear:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
2. Bottles received for unspecified tests	<input type="checkbox"/>		<input checked="" type="checkbox"/>	
3. Sufficient volume recvd for analysis:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. Compositing instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Filtering instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Test Strip Lot #s:	pH 1-12: 229517	pH 12+: 208717	Other: (Specify) _____
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Comments

SM089-03
Rev. Date 12/7/17

JC98663: Chain of Custody

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4.1
4

Metals Analysis

5

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JC98663
Account: DUFFPAP - Duffield Associates, Inc.
Project: Francis Myers Recreation Center, Philadelphia, PA

QC Batch ID: MP18567
Matrix Type: SOLID

Methods: SW846 6010D
Units: mg/kg

Prep Date: 11/26/19

Metal	RL	IDL	MDL	MB raw	final
Aluminum	52	1.4	8.3		
Antimony	2.1	.11	.42		
Arsenic	2.1	.12	.29		
Barium	21	.021	2		
Beryllium	0.21	.01	.082		
Bismuth	2.1	.19	.54		
Boron	10	.12	1.5		
Cadmium	0.52	.021	.072		
Calcium	520	.38	46		
Chromium	1.0	.041	.38		
Cobalt	5.2	.031	.29		
Copper	2.6	.1	.87		
Iron	52	.25	20		
Lead	2.1	.15	.42	-0.041	<2.1
Lithium	5.2	.15	.95		
Magnesium	520	1.8	14		
Manganese	1.5	.01	.42		
Molybdenum	2.1	.031	.33		
Nickel	4.1	.031	.36		
Phosphorus	21	.21	3.4		
Potassium	1000	4.1	33		
Selenium	2.1	.19	.67		
Silicon	21	.093	11		
Silver	0.52	.052	.18		
Sodium	1000	1.3	80		
Strontium	5.2	.021	.19		
Sulfur	10	.36	9.7		
Thallium	1.0	.16	.6		
Tin	21	.062	3.9		
Titanium	1.0	.062	.35		
Tungsten	5.2	.11	1.8		
Vanadium	5.2	.041	.2		
Zinc	5.2	.021	2.4		

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JC98663
Account: DUFFPAP - Duffield Associates, Inc.
Project: Francis Myers Recreation Center, Philadelphia, PA

QC Batch ID: MP18567
Matrix Type: SOLID

Methods: SW846 6010D
Units: mg/kg

Prep Date: 11/26/19

Metal	RL	IDL	MDL	MB raw	final
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Zirconium 2.1 .021 .24

Associated samples MP18567: JC98663-41, JC98663-42, JC98663-43, JC98663-44, JC98663-45, JC98663-46, JC98663-47, JC98663-48, JC98663-49, JC98663-50

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

5.1.1
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MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JC98663
 Account: DUFFPAP - Duffield Associates, Inc.
 Project: Francis Myers Recreation Center, Philadelphia, PA

QC Batch ID: MP18567
 Matrix Type: SOLID

Methods: SW846 6010D
 Units: mg/kg

Prep Date: 11/26/19

Metal	JC98620-12		SpikeLot		QC
	Original MS		MPSPK2	% Rec	Limits
Aluminum	anr				
Antimony	anr				
Arsenic	anr				
Barium	anr				
Beryllium	anr				
Bismuth					
Boron					
Cadmium	anr				
Calcium	anr				
Chromium	anr				
Cobalt	anr				
Copper	anr				
Iron	anr				
Lead	259	446	190	98.5	75-125
Lithium					
Magnesium	anr				
Manganese	anr				
Molybdenum					
Nickel	anr				
Potassium	anr				
Selenium	anr				
Silicon					
Silver	anr				
Sodium	anr				
Strontium					
Sulfur					
Thallium	anr				
Tin					
Titanium					
Tungsten					
Vanadium	anr				
Zinc	anr				
Zirconium					

5.1.2
5

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JC98663
Account: DUFFPAP - Duffield Associates, Inc.
Project: Francis Myers Recreation Center, Philadelphia, PA

QC Batch ID: MP18567
Matrix Type: SOLID

Methods: SW846 6010D
Units: mg/kg

Prep Date: 11/26/19

Metal	JC98620-12 Original MS	SpikeLot MPSPK2	% Rec	QC Limits
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Associated samples MP18567: JC98663-41, JC98663-42, JC98663-43, JC98663-44, JC98663-45, JC98663-46, JC98663-47, JC98663-48, JC98663-49, JC98663-50

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

5.1.2
5

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JC98663
 Account: DUFFPAP - Duffield Associates, Inc.
 Project: Francis Myers Recreation Center, Philadelphia, PA

QC Batch ID: MP18567
 Matrix Type: SOLID

Methods: SW846 6010D
 Units: mg/kg

Prep Date: 11/26/19

Metal	JC98620-12 Original MSD	Spikelot MPSPK2	% Rec	MSD RPD	QC Limit
Aluminum	anr				
Antimony	anr				
Arsenic	anr				
Barium	anr				
Beryllium	anr				
Bismuth					
Boron					
Cadmium	anr				
Calcium	anr				
Chromium	anr				
Cobalt	anr				
Copper	anr				
Iron	anr				
Lead	259	458	193	103.2	2.7 20
Lithium					
Magnesium	anr				
Manganese	anr				
Molybdenum					
Nickel	anr				
Potassium	anr				
Selenium	anr				
Silicon					
Silver	anr				
Sodium	anr				
Strontium					
Sulfur					
Thallium	anr				
Tin					
Titanium					
Tungsten					
Vanadium	anr				
Zinc	anr				
Zirconium					

5.1.2
5

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JC98663
 Account: DUFFPAP - Duffield Associates, Inc.
 Project: Francis Myers Recreation Center, Philadelphia, PA

QC Batch ID: MP18567
 Matrix Type: SOLID

Methods: SW846 6010D
 Units: mg/kg

Prep Date: 11/26/19

Metal	JC98620-12 Original MSD	SpikeLot MPSPK2	% Rec	MSD RPD	QC Limit
-------	----------------------------	--------------------	-------	------------	-------------

Associated samples MP18567: JC98663-41, JC98663-42, JC98663-43, JC98663-44, JC98663-45, JC98663-46, JC98663-47, JC98663-48, JC98663-49, JC98663-50

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

5.1.2
5

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JC98663
 Account: DUFFPAP - Duffield Associates, Inc.
 Project: Francis Myers Recreation Center, Philadelphia, PA

QC Batch ID: MP18567
 Matrix Type: SOLID

Methods: SW846 6010D
 Units: mg/kg

Prep Date: 11/26/19

Metal	BSP Result	Spikelot MPSPK2	% Rec	QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium	anr			
Bismuth				
Boron				
Cadmium	anr			
Calcium	anr			
Chromium	anr			
Cobalt	anr			
Copper	anr			
Iron	anr			
Lead	194	202	96.0	80-120
Lithium				
Magnesium	anr			
Manganese	anr			
Molybdenum				
Nickel	anr			
Phosphorus				
Potassium	anr			
Selenium	anr			
Silicon				
Silver	anr			
Sodium	anr			
Strontium				
Sulfur				
Thallium	anr			
Tin				
Titanium				
Tungsten				
Vanadium	anr			
Zinc	anr			

5.1.3
5

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JC98663
Account: DUFFPAP - Duffield Associates, Inc.
Project: Francis Myers Recreation Center, Philadelphia, PA

QC Batch ID: MP18567
Matrix Type: SOLID

Methods: SW846 6010D
Units: mg/kg

Prep Date: 11/26/19

Metal	BSP Result	Spikelot MPSPK2	% Rec	QC Limits
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Zirconium

Associated samples MP18567: JC98663-41, JC98663-42, JC98663-43, JC98663-44, JC98663-45, JC98663-46, JC98663-47, JC98663-48, JC98663-49, JC98663-50

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits
(anr) Analyte not requested

5.1.3
5

SERIAL DILUTION RESULTS SUMMARY

Login Number: JC98663
 Account: DUFFPAP - Duffield Associates, Inc.
 Project: Francis Myers Recreation Center, Philadelphia, PA

QC Batch ID: MP18567
 Matrix Type: SOLID

Methods: SW846 6010D
 Units: ug/l

Prep Date: 11/26/19

Metal	JC98620-12 Original	SDL 1:5	%DIF	QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium	anr			
Bismuth				
Boron				
Cadmium	anr			
Calcium	anr			
Chromium	anr			
Cobalt	anr			
Copper	anr			
Iron	anr			
Lead	2720	2840	4.6	0-10
Lithium				
Magnesium	anr			
Manganese	anr			
Molybdenum				
Nickel	anr			
Phosphorus				
Potassium	anr			
Selenium	anr			
Silicon				
Silver	anr			
Sodium	anr			
Strontium				
Sulfur				
Thallium	anr			
Tin				
Titanium				
Tungsten				
Vanadium	anr			
Zinc	anr			

5.1.4
5

SERIAL DILUTION RESULTS SUMMARY

Login Number: JC98663
Account: DUFFPAP - Duffield Associates, Inc.
Project: Francis Myers Recreation Center, Philadelphia, PA

QC Batch ID: MP18567
Matrix Type: SOLID

Methods: SW846 6010D
Units: ug/l

Prep Date: 11/26/19

Metal	JC98620-12	QC
	Original SDL 1:5 %DIF	Limits

Zirconium

Associated samples MP18567: JC98663-41, JC98663-42, JC98663-43, JC98663-44, JC98663-45, JC98663-46, JC98663-47, JC98663-48, JC98663-49, JC98663-50

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

5.1.4
5

POST DIGESTATE SPIKE SUMMARY

Login Number: JC98663
 Account: DUFFPAP - Duffield Associates, Inc.
 Project: Francis Myers Recreation Center, Philadelphia, PA

QC Batch ID: MP18567
 Matrix Type: SOLID

Methods: SW846 6010D
 Units: ug/l

Prep Date:

11/26/19

Metal	Sample ml	Final ml	JC98620-12 Raw	PS Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Bismuth										
Boron										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Iron										
Lead										
Lithium										
Magnesium										
Manganese										
Molybdenum										
Nickel										
Phosphorus										
Potassium										
Selenium										
Silicon										
Silver										
Sodium										
Strontium										
Sulfur										
Thallium										
Tin										
Titanium										
Tungsten										
Vanadium										
Zinc										

5.1.5
5

POST DIGESTATE SPIKE SUMMARY

Login Number: JC98663
 Account: DUFFPAP - Duffield Associates, Inc.
 Project: Francis Myers Recreation Center, Philadelphia, PA

QC Batch ID: MP18567
 Matrix Type: SOLID

Methods: SW846 6010D
 Units: ug/l

Prep Date:

11/26/19

Metal	Sample ml	Final ml	JC98620-12 Raw	PS Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
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Zirconium

Associated samples MP18567: JC98663-41, JC98663-42, JC98663-43, JC98663-44, JC98663-45, JC98663-46, JC98663-47, JC98663-48, JC98663-49, JC98663-50

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (**) Corr. sample result = Raw * (sample volume / final volume)
 (anr) Analyte not requested

5.1.5
5

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JC98663
Account: DUFFPAP - Duffield Associates, Inc.
Project: Francis Myers Recreation Center, Philadelphia, PA

QC Batch ID: MP18587
Matrix Type: SOLID

Methods: SW846 6010D
Units: mg/kg

Prep Date: 11/27/19

Metal	RL	IDL	MDL	MB raw	final
Aluminum	49	1.4	7.8		
Antimony	1.9	.14	.4		
Arsenic	1.9	.15	.27		
Barium	19	.049	1.8		
Beryllium	0.19	.0097	.078		
Bismuth	1.9	.17	.5		
Boron	9.7	.078	1.4		
Cadmium	0.49	.029	.068		
Calcium	490	.38	43		
Chromium	0.97	.029	.36		
Cobalt	4.9	.029	.27		
Copper	2.4	.058	.82		
Iron	49	.25	19		
Lead	1.9	.16	.4	0.14	<1.9
Lithium	4.9	.2	.89		
Magnesium	490	1.6	13		
Manganese	1.5	.0097	.4		
Molybdenum	1.9	.039	.31		
Nickel	3.9	.049	.34		
Phosphorus	19	.18	3.2		
Potassium	970	7.7	31		
Selenium	1.9	.29	.63		
Silicon	19	.12	10		
Silver	0.49	.049	.17		
Sodium	970	.96	76		
Strontium	4.9	.029	.17		
Sulfur	9.7	.34	9.1		
Thallium	0.97	.13	.56		
Tin	19	.068	3.7		
Titanium	0.97	.049	.33		
Tungsten	4.9	.17	1.7		
Vanadium	4.9	.049	.18		
Zinc	4.9	.019	2.2		

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JC98663
Account: DUFFPAP - Duffield Associates, Inc.
Project: Francis Myers Recreation Center, Philadelphia, PA

QC Batch ID: MP18587
Matrix Type: SOLID

Methods: SW846 6010D
Units: mg/kg

Prep Date: 11/27/19

Metal	RL	IDL	MDL	MB	
				raw	final

Zirconium 1.9 .029 .22

Associated samples MP18587: JC98663-1, JC98663-2, JC98663-3, JC98663-4, JC98663-5, JC98663-6, JC98663-7, JC98663-8, JC98663-9, JC98663-10, JC98663-11, JC98663-12, JC98663-13, JC98663-14, JC98663-15, JC98663-16, JC98663-17, JC98663-18, JC98663-19, JC98663-20

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JC98663
 Account: DUFFPAP - Duffield Associates, Inc.
 Project: Francis Myers Recreation Center, Philadelphia, PA

QC Batch ID: MP18587
 Matrix Type: SOLID

Methods: SW846 6010D
 Units: mg/kg

Prep Date: 11/27/19

Metal	JC98663-5 Original MS	Spikelot MPSPK2	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Bismuth				
Boron				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	90.0	332	257	94.3 75-125
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Strontium				
Sulfur				
Thallium				
Tin				
Titanium				
Tungsten				
Vanadium				
Zinc				

5.2.2
5

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JC98663
 Account: DUFFPAP - Duffield Associates, Inc.
 Project: Francis Myers Recreation Center, Philadelphia, PA

QC Batch ID: MP18587
 Matrix Type: SOLID

Methods: SW846 6010D
 Units: mg/kg

Prep Date: 11/27/19

Metal	JC98663-5 Original MS	Spike/lot MPSPK2	% Rec	QC Limits
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Zirconium

Associated samples MP18587: JC98663-1, JC98663-2, JC98663-3, JC98663-4, JC98663-5, JC98663-6, JC98663-7, JC98663-8, JC98663-9, JC98663-10, JC98663-11, JC98663-12, JC98663-13, JC98663-14, JC98663-15, JC98663-16, JC98663-17, JC98663-18, JC98663-19, JC98663-20

Results < IDL are shown as zero for calculation purposes

- (*) Outside of QC limits
- (N) Matrix Spike Rec. outside of QC limits
- (anr) Analyte not requested

5.2.2
5

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JC98663
 Account: DUFFPAP - Duffield Associates, Inc.
 Project: Francis Myers Recreation Center, Philadelphia, PA

QC Batch ID: MP18587
 Matrix Type: SOLID

Methods: SW846 6010D
 Units: mg/kg

Prep Date: 11/27/19

Metal	JC98663-5 Original MSD	Spikelot MPSPK2	% Rec	MSD RPD	QC Limit	
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Bismuth						
Boron						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Iron						
Lead	90.0	335	262	93.6	0.9	20
Lithium						
Magnesium						
Manganese						
Molybdenum						
Nickel						
Phosphorus						
Potassium						
Selenium						
Silicon						
Silver						
Sodium						
Strontium						
Sulfur						
Thallium						
Tin						
Titanium						
Tungsten						
Vanadium						
Zinc						

5.2.2
5

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JC98663
 Account: DUFFPAP - Duffield Associates, Inc.
 Project: Francis Myers Recreation Center, Philadelphia, PA

QC Batch ID: MP18587
 Matrix Type: SOLID

Methods: SW846 6010D
 Units: mg/kg

Prep Date: 11/27/19

Metal	JC98663-5 Original MSD	SpikeLot MPSPK2	% Rec	MSD RPD	QC Limit
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Zirconium

Associated samples MP18587: JC98663-1, JC98663-2, JC98663-3, JC98663-4, JC98663-5, JC98663-6, JC98663-7, JC98663-8, JC98663-9, JC98663-10, JC98663-11, JC98663-12, JC98663-13, JC98663-14, JC98663-15, JC98663-16, JC98663-17, JC98663-18, JC98663-19, JC98663-20

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

5.2.2
5

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JC98663
 Account: DUFFPAP - Duffield Associates, Inc.
 Project: Francis Myers Recreation Center, Philadelphia, PA

QC Batch ID: MP18587
 Matrix Type: SOLID

Methods: SW846 6010D
 Units: mg/kg

Prep Date: 11/27/19

Metal	BSP Result	Spikelot MPSPK2	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Bismuth				
Boron				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	196	202	97.0	80-120
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Strontium				
Sulfur				
Thallium				
Tin				
Titanium				
Tungsten				
Vanadium				
Zinc				

5.2.3
5

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JC98663
 Account: DUFFPAP - Duffield Associates, Inc.
 Project: Francis Myers Recreation Center, Philadelphia, PA

QC Batch ID: MP18587
 Matrix Type: SOLID

Methods: SW846 6010D
 Units: mg/kg

Prep Date: 11/27/19

Metal	BSP Result	Spikelot MPSPK2	% Rec	QC Limits
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Zirconium

Associated samples MP18587: JC98663-1, JC98663-2, JC98663-3, JC98663-4, JC98663-5, JC98663-6, JC98663-7, JC98663-8, JC98663-9, JC98663-10, JC98663-11, JC98663-12, JC98663-13, JC98663-14, JC98663-15, JC98663-16, JC98663-17, JC98663-18, JC98663-19, JC98663-20

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

5.2.3
5

SERIAL DILUTION RESULTS SUMMARY

Login Number: JC98663
 Account: DUFFPAP - Duffield Associates, Inc.
 Project: Francis Myers Recreation Center, Philadelphia, PA

QC Batch ID: MP18587
 Matrix Type: SOLID

Methods: SW846 6010D
 Units: ug/l

Prep Date: 11/27/19

Metal	JC98663-5	QC	%DIF	Limits
	Original	SDL	1:5	

Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Bismuth				
Boron				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	709	737	4.0	0-10
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Strontium				
Sulfur				
Thallium				
Tin				
Titanium				
Tungsten				
Vanadium				
Zinc				

5.2.4
5

SERIAL DILUTION RESULTS SUMMARY

Login Number: JC98663
Account: DUFFPAP - Duffield Associates, Inc.
Project: Francis Myers Recreation Center, Philadelphia, PA

QC Batch ID: MP18587
Matrix Type: SOLID

Methods: SW846 6010D
Units: ug/l

Prep Date: 11/27/19

Metal	JC98663-5	QC
	Original SDL 1:5 %DIF	Limits

Zirconium

Associated samples MP18587: JC98663-1, JC98663-2, JC98663-3, JC98663-4, JC98663-5, JC98663-6, JC98663-7, JC98663-8, JC98663-9, JC98663-10, JC98663-11, JC98663-12, JC98663-13, JC98663-14, JC98663-15, JC98663-16, JC98663-17, JC98663-18, JC98663-19, JC98663-20

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

5.2.4
5

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JC98663
Account: DUFFPAP - Duffield Associates, Inc.
Project: Francis Myers Recreation Center, Philadelphia, PA

QC Batch ID: MP18588
Matrix Type: SOLID

Methods: SW846 6010D
Units: mg/kg

Prep Date: 11/27/19

Metal	RL	IDL	MDL	MB raw	final
Aluminum	52	1.5	8.4		
Antimony	2.1	.15	.43		
Arsenic	2.1	.16	.29		
Barium	21	.052	2		
Beryllium	0.21	.01	.083		
Bismuth	2.1	.19	.54		
Boron	10	.083	1.5		
Cadmium	0.52	.031	.073		
Calcium	520	.41	46		
Chromium	1.0	.031	.39		
Cobalt	5.2	.031	.29		
Copper	2.6	.063	.88		
Iron	52	.27	20		
Lead	2.1	.17	.43	0.13	<2.1
Lithium	5.2	.22	.96		
Magnesium	520	1.7	14		
Manganese	1.6	.01	.43		
Molybdenum	2.1	.042	.33		
Nickel	4.2	.052	.36		
Phosphorus	21	.2	3.4		
Potassium	1000	8.2	33		
Selenium	2.1	.31	.68		
Silicon	21	.13	11		
Silver	0.52	.052	.18		
Sodium	1000	1	81		
Strontium	5.2	.031	.19		
Sulfur	10	.36	9.8		
Thallium	1.0	.14	.6		
Tin	21	.073	4		
Titanium	1.0	.052	.35		
Tungsten	5.2	.18	1.8		
Vanadium	5.2	.052	.2		
Zinc	5.2	.021	2.4		

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JC98663
Account: DUFFPAP - Duffield Associates, Inc.
Project: Francis Myers Recreation Center, Philadelphia, PA

QC Batch ID: MP18588
Matrix Type: SOLID

Methods: SW846 6010D
Units: mg/kg

Prep Date: 11/27/19

Metal	RL	IDL	MDL	MB	
				raw	final

Zirconium 2.1 .031 .24

Associated samples MP18588: JC98663-21, JC98663-22, JC98663-23, JC98663-24, JC98663-25, JC98663-26, JC98663-27, JC98663-28, JC98663-29, JC98663-30, JC98663-31, JC98663-32, JC98663-33, JC98663-34, JC98663-35, JC98663-36, JC98663-37, JC98663-38, JC98663-39, JC98663-40

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

5.3.1
5

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JC98663
 Account: DUFFPAP - Duffield Associates, Inc.
 Project: Francis Myers Recreation Center, Philadelphia, PA

QC Batch ID: MP18588
 Matrix Type: SOLID

Methods: SW846 6010D
 Units: mg/kg

Prep Date: 11/27/19

Metal	JC98663-34 Original MS	SpikeLot MPSPK2	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Bismuth				
Boron				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Lead	63.6 285	231	95.8	75-125
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Strontium				
Sulfur				
Thallium				
Tin				
Titanium				
Tungsten				
Vanadium				
Zinc				
Zirconium				

5.3.2
5

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JC98663
Account: DUFFPAP - Duffield Associates, Inc.
Project: Francis Myers Recreation Center, Philadelphia, PA

QC Batch ID: MP18588
Matrix Type: SOLID

Methods: SW846 6010D
Units: mg/kg

Prep Date: 11/27/19

Metal	JC98663-34 Original MS	SpikeLot MPSPK2	% Rec	QC Limits
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Associated samples MP18588: JC98663-21, JC98663-22, JC98663-23, JC98663-24, JC98663-25, JC98663-26, JC98663-27, JC98663-28, JC98663-29, JC98663-30, JC98663-31, JC98663-32, JC98663-33, JC98663-34, JC98663-35, JC98663-36, JC98663-37, JC98663-38, JC98663-39, JC98663-40

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

5.3.2
5

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JC98663
 Account: DUFFPAP - Duffield Associates, Inc.
 Project: Francis Myers Recreation Center, Philadelphia, PA

QC Batch ID: MP18588
 Matrix Type: SOLID

Methods: SW846 6010D
 Units: mg/kg

Prep Date: 11/27/19

Metal	JC98663-34 Original MSD	Spikelot MPSPK2	% Rec	MSD RPD	QC Limit	
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Bismuth						
Boron						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Lead	63.6	284	236	93.4	0.4	20
Lithium						
Magnesium						
Manganese						
Molybdenum						
Nickel						
Phosphorus						
Potassium						
Selenium						
Silicon						
Silver						
Sodium						
Strontium						
Sulfur						
Thallium						
Tin						
Titanium						
Tungsten						
Vanadium						
Zinc						
Zirconium						

5.3.2
5

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JC98663
Account: DUFFPAP - Duffield Associates, Inc.
Project: Francis Myers Recreation Center, Philadelphia, PA

QC Batch ID: MP18588
Matrix Type: SOLID

Methods: SW846 6010D
Units: mg/kg

Prep Date: 11/27/19

Metal	JC98663-34 Original MSD	SpikeLot MPSPK2	% Rec	MSD RPD	QC Limit
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Associated samples MP18588: JC98663-21, JC98663-22, JC98663-23, JC98663-24, JC98663-25, JC98663-26, JC98663-27, JC98663-28, JC98663-29, JC98663-30, JC98663-31, JC98663-32, JC98663-33, JC98663-34, JC98663-35, JC98663-36, JC98663-37, JC98663-38, JC98663-39, JC98663-40

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

5.3.2
5

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JC98663
 Account: DUFFPAP - Duffield Associates, Inc.
 Project: Francis Myers Recreation Center, Philadelphia, PA

QC Batch ID: MP18588
 Matrix Type: SOLID

Methods: SW846 6010D
 Units: mg/kg

Prep Date: 11/27/19

Metal	BSP Result	Spikelot MPSPK2	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Bismuth				
Boron				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	187	192	97.2	80-120
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Strontium				
Sulfur				
Thallium				
Tin				
Titanium				
Tungsten				
Vanadium				
Zinc				

5.3.3
5

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JC98663
Account: DUFFPAP - Duffield Associates, Inc.
Project: Francis Myers Recreation Center, Philadelphia, PA

QC Batch ID: MP18588
Matrix Type: SOLID

Methods: SW846 6010D
Units: mg/kg

Prep Date: 11/27/19

Metal	BSP Result	Spikelot MPSPK2	% Rec	QC Limits
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Zirconium

Associated samples MP18588: JC98663-21, JC98663-22, JC98663-23, JC98663-24, JC98663-25, JC98663-26, JC98663-27, JC98663-28, JC98663-29, JC98663-30, JC98663-31, JC98663-32, JC98663-33, JC98663-34, JC98663-35, JC98663-36, JC98663-37, JC98663-38, JC98663-39, JC98663-40

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

5.3.3
5

SERIAL DILUTION RESULTS SUMMARY

Login Number: JC98663
 Account: DUFFPAP - Duffield Associates, Inc.
 Project: Francis Myers Recreation Center, Philadelphia, PA

QC Batch ID: MP18588
 Matrix Type: SOLID

Methods: SW846 6010D
 Units: ug/l

Prep Date: 11/27/19

Metal	JC98663-34	QC
	Original SDL 1:5 %DIF	Limits

Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Bismuth				
Boron				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	528	554	4.9	0-10
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Strontium				
Sulfur				
Thallium				
Tin				
Titanium				
Tungsten				
Vanadium				
Zinc				

5.3.4
5

SERIAL DILUTION RESULTS SUMMARY

Login Number: JC98663
Account: DUFFPAP - Duffield Associates, Inc.
Project: Francis Myers Recreation Center, Philadelphia, PA

QC Batch ID: MP18588
Matrix Type: SOLID

Methods: SW846 6010D
Units: ug/l

Prep Date: 11/27/19

Metal	JC98663-34	QC
	Original SDL 1:5 %DIF	Limits

Zirconium

Associated samples MP18588: JC98663-21, JC98663-22, JC98663-23, JC98663-24, JC98663-25, JC98663-26, JC98663-27, JC98663-28, JC98663-29, JC98663-30, JC98663-31, JC98663-32, JC98663-33, JC98663-34, JC98663-35, JC98663-36, JC98663-37, JC98663-38, JC98663-39, JC98663-40

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

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5

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228 Moore Street • Philadelphia, Pennsylvania 19148 • Phone 215-755-2305 • Fax 215-755-2405

January 21, 20 Revised on June 25, 2021

Ms. Jennifer Gresh
Duffield Associates
211 North 13th Street
Philadelphia, PA 19107

**Re: Revised Report for Environmental Investigation (ACM & LBP) & Sampling
Francis Myers Recreation Center
5801 Kingsessing Avenue, Philadelphia, Pennsylvania
Synertech Incorporated Project No. 632-221 & 632-221-2**

Dear Ms. Gresh:

Introduction

As directed by your office, *Synertech Incorporated* conducted an environmental investigation throughout the Francis Myers Recreation Center building which is located at 5801 Kingsessing Avenue, Philadelphia, Pennsylvania. The scope of the investigation focused on locating and quantifying Asbestos Containing Materials (ACMs) and Lead Based Paint (LBP)/Lead Containing Coatings (LCC) that may be present throughout the building prior to planned renovations and/or demolition. This report is a summary of the findings and testing data.

Asbestos Investigation

The asbestos investigation focused on all areas throughout the building with the exception of the roofing materials. No destructive demolition was performed to access concealed areas of any spaces. A City of Philadelphia Asbestos Investigator collected bulk samples of suspect ACMs located throughout all areas and generated a list of all identified homogeneous areas (HA). When conducting an asbestos inspection, the various suspect asbestos containing building materials are grouped into “homogeneous areas” for sampling and assessment. A homogeneous area is defined as an area of a particular material that is uniform in color, texture, application, date of installation and function and is believed to be similar in all other aspects. Samples of each homogenous area (material) are then collected to determine its asbestos content.

An ACM is defined as one that has a composition of **greater than** one (1%) percent asbestos by weight. Upon confirmation of a material to be asbestos containing, a physical assessment is provided to document its quantity, condition, and friability classification. The friability of a material is a term used to describe a physical property of suspect asbestos containing materials. A friable material is one that, when dry, can be crushed and reduced to a powder by hand pressure. Conversely, a non-friable material is one that, when dry, cannot be crushed and reduced to a powder by hand pressure. Refer to more detailed definitions of friable and non-friable asbestos containing materials presented on the following page.

- ☐ **Environmental Protection Agency (EPA) Category I Non-friable ACM (NF1)**
Non-friable Category I ACMs (i.e. roofing, flooring and gaskets) cannot be reduced to a powder by hand pressure or crumbled between the fingers. Non-friable Category I asbestos fibers remain bound within the matrix of the material. These types of materials pose no hazard of releasing asbestos fibers into the air unless rendered friable by activities including sanding, grinding, pulverizing, cutting or penetrating with power tools, or otherwise reducing to a powder. Mere cracking or minor breakage does not constitute the type of damage that would be considered as rendering the material friable.

- ☐ **EPA Category II Non-friable ACM (NF2)**
Non-friable Category II ACMs (i.e. onsite, cementitious products, woven cloth, woven wire insulation) cannot be reduced to a powder by hand pressure or crumbled between the fingers. Non-friable Category II asbestos fibers remain bound within the matrix of the material. These types of materials pose no hazard of releasing asbestos fibers into the air unless rendered friable by activities including breaking, sanding, grinding, pulverizing, cutting or penetrating with power tools, or otherwise reducing to a powder. However, minor breakage does constitute the type of damage that would be considered as rendering these types of materials friable, as asbestos fibers may be released along the fractured surfaces or from the edges exposed by the breakage.

- ☐ **EPA Regulated Friable ACM (FRI)**
Friable ACMs (i.e. thermal system insulation, plaster, linoleum backing) can be reduced to a powder by hand pressure or crumbled between the fingers. Asbestos fibers can be readily released into the environment and pose a significant hazard if impacted or damaged in any way.

The investigation team evaluated all accessible spaces for cataloging and sampling each homogeneous material. Appropriate extrapolation to assign types and quantities of potential ACMs concealed behind structural components was utilized in instances where known ACM was observed in exposed locations that extended beyond and behind structural surfaces.

All bulk samples were analyzed by EMSL Analytical of Mt. Laurel, New Jersey (NIST-NVLAP No. 101048-0; AIHA Lab No. 100194). Bulk samples were analyzed via Polarized Light Microscopy (PLM), method EPA 600/R-93/116, the standard method of analysis for asbestos content in building materials.

Summary of Findings – Asbestos Investigation

Results – Suspect Asbestos Containing Material Bulk Sampling

The following table lists the homogeneous materials identified during inspection:

HM ID	SAMPLE #	DESCRIPTION	SAMPLE LOCATION	CLASSIFICATION
A	1,2	Paper “Air Cell” Pipe Insulation	1 - Basement – Center Area 2 - Basement – Equipment Storage Room	FRI 60% Chrysotile
B	3,4,5	Pipe Fitting Insulation a/w Fiberglass	3 - Basement – Center Area 4 – Basement - Front Sprinkler Pipe Area 5- Basement – “Pottery Rm. At Front - Debris	Non Asbestos (<1% Chrysotile)
C	6,7,8	Wall Parging Mortar	Basement – “Pottery Rm. At Front - Debris	Non Asbestos
D	9,10	Textured Wall Parging	Basement – Storage near North Stairs	Non Asbestos

HM ID	SAMPLE #	DESCRIPTION	SAMPLE LOCATION	CLASSIFICATION
E	11,13,15	White Top Coat Wall Plaster	Basement – Large Center Area	Non Asbestos
F	12,14,16	Base Coat Wall Plaster	Basement – Large Center Area	Non Asbestos
G	17	Brown Particle Board Wall Material	Basement – Large Center Area	Non Asbestos
H	18,20,22	White Plaster Debris	Basement – Large Center Area	Non Asbestos
I	19,21,23	Base Coat Plaster Debris	Basement – Large Center Area	Non Asbestos
J	24	Joint Compound	Basement – North Stair Wall	Non Asbestos
K	25	Drywall	Basement – North Stair Wall	Non Asbestos
L	26,28	Grey Top Layer Floor Tile	26-1 st Fl. o/s Large Game Room 28-1 st Fl. North Hallway	Non Asbestos
M	27,29	Yellow Adhesive a/w 26	27-1 st Fl. o/s Large Game Room 29-1 st Fl. North Hallway	Non Asbestos
N	30,33	Carpet Adhesive	1 st Fl. NE Community Room (adj. exit stairwell)	Non Asbestos
O	31	Tile below Carpet	1 st Fl. NE Community Room (adj. exit stairwell)	Non Asbestos
P	32	Black mastic a/w #31	1 st Fl. NE Community Room (adj. exit stairwell)	Non Asbestos
Q	36	Tan with Red Streak 9”x9” Tile	1 st Fl. Small Office adj. Community Rm.	NF1 (4% Chrysotile)
R	37	Black Mastic a/w #36	1 st Fl. Small Office adj. Community Rm.	Non Asbestos
S	38	Black Vapor Barrier below #36	1 st Fl. Small Office adj. Community Rm.	Non Asbestos
T	39,41	Tan with Blue Top Layer 9”x9” Tile	1 st Fl. North Storage Room	NF1 (2% Chrysotile)
U	40,42	Black mastic a/w #39	1 st Fl. North Storage Room	Non Asbestos
V	43	Joint Compound	1 st Fl. Computer Room	Non Asbestos
W	44,45	Wall Plaster	1 st Fl. Computer Room-Closet	Non Asbestos
X	46	2’x4’ Acoustical Ceiling Tile	1 st Fl. Computer Room	Non Asbestos
Y	47	Foil & Black Wrap a/w Fiberglass Pipe Insulation	1 st Fl. Computer Room	Non Asbestos
Z	48	Blue Sheet Flooring	1 st Fl. Bathroom adj. to Auditorium Storage Rm.	Non Asbestos
AA	49,53	Tan with Grey Spec 12”x12” Floor Tile	2 nd Fl. Main Hallway 2 nd Fl. Entry to Library	Non Asbestos
BB	50,54	Black Mastic a/w 49	2 nd Fl. Main Hallway 2 nd Fl. Entry to Library	Non Asbestos
CC	51,56	Brown/Red Bottom Floor Tile (below tile & Luan)	51-2 nd Fl. Hallway o/s Library 56- Hallway o/s Storage Rm.	NF1 (6% Chrysotile)
DD	52,57	Mastic a/w #51	52-2 nd Fl. Hallway o/s Library 57- Hallway o/s Storage Rm.	Non Asbestos
EE	55	Leveling Compound below #51 & #56	2 nd Fl. Hallway o/s Library	Non Asbestos
FF	58,81	Tan with Brown Spec 9”x9” Floor Tile	58-2 nd Fl. North Corner Office 81-2 nd Fl. Common Area o/s East Bathroom	NF1 (2% Chrysotile)
GG	59	Mastic a/w #58	2 nd Fl. North Corner Office	Non Asbestos
HH	60	Vapor Barrier below #58	2 nd Fl. North Corner Office	Non Asbestos
II	61,63	Faux Parque “Self-Stick” Floor Tile	61-2 nd Fl. Common Area o/s North Rm. 63-2 nd Fl. Open Area o/s Bathroom	Non Asbestos
JJ	62,64	Adhesive a/w 61/63	62-2 nd Fl. Common Area o/s North Rm. 64-2 nd Fl. Open Area o/s Bathroom	Non Asbestos
KK	65,67	Tan Top Coat Wall Plaster	65-2 nd Fl. Hallway o/s North Corner Office 67-2 nd Fl. Open Area – East Wall	Non Asbestos
LL	66,68	Grey Base Coat Wall Plaster	66-2 nd Fl. Hallway o/s North Corner Office 68-2 nd Fl. Open Area – East Wall	Non Asbestos

HM ID	SAMPLE #	DESCRIPTION	SAMPLE LOCATION	CLASSIFICATION
MM	69,71,73	Top Coat Plaster	69-2 nd Fl. Library 71-2 nd Fl. Dance Studio 73-2 nd Fl. East Bathroom	Non Asbestos (<1% Chrysotile)
NN	70,72,74	Base Coat Plaster	70-2 nd Fl. Library 72-2 nd Fl. Dance Studio 74-2 nd Fl. East Bathroom	Non Asbestos
OO	75,77	Grey Top Layer 12"x12"	2 nd Fl. East Bathroom	Non Asbestos
PP	78	Mastic a/w #77	2 nd Fl. East Bathroom	Non Asbestos
QQ	79,80	Tan Leveling Compound below Grey 12"x12" Floor Tile	2 nd Fl. East Bathroom	Non Asbestos
RR	82,83	1'x1' Acoustical Ceiling Tile	82-2 nd Fl. Library 83-2 nd Fl. Dance Studio	Non Asbestos
SS	84,85	2'x4' Acoustical Ceiling Tile	84-2 nd Fl. Library 85-2 nd Fl. Dance Studio	Non Asbestos
TT	86,87	Brown Adhesive a/w #82/83	86-2 nd Fl. Library 87-2 nd Fl. Dance Studio	Non Asbestos
UU	88	Tan Setting Bed Mortar a/w Ceramic Tile	2 nd Fl. North Bathroom	Non Asbestos
VV	89	Yellow Ceramic Wall Tile	2 nd Fl. North Bathroom	Non Asbestos
WW	90	Tan Setting Bed Mortar a/w Ceramic Tile	2 nd Fl. North Bathroom	Non Asbestos
XX	91	Yellow Ceramic Wall Tile	2 nd Fl. North Bathroom	Non Asbestos
YY	92	Yellow Adhesive a/w #91	2 nd Fl. North Bathroom	Non Asbestos
ZZ	93,94,95	Tan Plaster behind Radiators	93,95-2 nd Fl. Library 94-2 nd Fl. Dance Studio	Non Asbestos
A-1	96	Tan Vinyl Sheet Flooring	2 nd Fl. North Stair Landing	Non Asbestos
B-1	97	Faux Parque Wood Floor Tile	2 nd Fl. Storage Rm. Across from Kitchen	Non Asbestos
C-1	98,99,100	Wall Plaster	3 rd Fl. Attic Areas	Non Asbestos
D-1	101,103	9"x9" Floor Tile	3 rd Fl. Stair Landing	Non Asbestos
E-1	104	Black Mastic a/w #103	3 rd Fl. Stair Landing	Non Asbestos
W-1	131	Exterior Window Caulk	1 st Floor o/s Reading Room	NF2 (6% Chrysotile)
X-1	132,133	Exterior Window Glazing	1 st Floor – Exterior - Front	Non Asbestos
Y-1	134	Interior Window Caulk	Computer Room	Non Asbestos
Annex Areas				
F-1	105	Joint Compound	1 st F. Conference Room	Non Asbestos
G-1	106,109	"Thin-set" Mortar a/w Ceramic Tiles	3 rd Fl. Bathrooms	Non Asbestos
H-1	107,110,113	Skim Coat Plaster	2 nd & 3 rd Floors	Non Asbestos
I-1	108,111,114	Base Coat Plaster	2 nd & 3 rd Floors	Non Asbestos (<0.25 Chrysotile)
J-1	112	1'x1' Ceiling Tile	Basement	Non Asbestos
K-1	115	Red Sheet Flooring	3 rd Fl. - Hallway	Non Asbestos
L-1	116	Wire Wrap Insulation	2 nd Fl. Hallway	Non Asbestos
M-1	117	Tan 9"x9" Floor Tile	2 nd Floor	NF1 (2% Chrysotile)
N-1	118	Black Mastic a/w Tan 9"x9" Floor Tile	2 nd Floor	Non Asbestos
O-1	119	Textured Wall Plaster	Basement-Bathroom	Non Asbestos
P-1	120	Base Wall Plaster	Basement-Bathroom	Non Asbestos
<i>Continued</i>				

HM ID	SAMPLE #	DESCRIPTION	SAMPLE LOCATION	CLASSIFICATION
Q-1	121	Blue 12"x12" Floor Tile	1 st Fl. Bathrooms	Non Asbestos
R-1	122	Base Wall Plaster Parging	Basement	Non Asbestos
S-1	123,127	Grey Floor Tile below Plywood	1 st Fl. Conf. Room	NF1 (3% Chrysotile)
T-1	124,128	Black Mastic a/w Grey Floor Tile below Plywood	1 st Fl. Conf. Room	Non Asbestos
U-1	125	Red Floor Tile	3 rd Floor	NF1 (5% Chrysotile)
V-1	126	Black Mastic a/w Red Floor Tile	3 rd Floor	Non Asbestos
W-1	127,128	Exterior Window Caulk	1 st Floor – Front Windows	NF2 (3%/5% Chrysotile)
X-1	129,130	Exterior Window Glazing	1 st Floor – Front Windows	Non Asbestos

HM ID = homogeneous material identification NF1 = EPA Category I Non-friable ACM
a/w = associated with FRI = EPA Regulated Friable ACM

Detailed Listing of Asbestos Containing Materials

Location(s)	Material	Approximate Amounts of ACM	Philadelphia Asbestos Control Regulation Classification	Condition
Basement				
Large Center Open Area	Asbestos Containing Pipe & Pipe Fitting Insulation (ACPI/ACPFs)	245 Linear Feet	FRIABLE-MAJOR	Damaged
Large East Area "Wing" below Auditorium	Asbestos Containing Pipe & Pipe Fitting Insulation (ACPI/ACPFs)	35 Linear Feet	FRIABLE-MAJOR (combined with Large Center Open Area)	Damaged
South Equip. Storage Rm. ("Harry's Room")	Asbestos Containing Pipe & Pipe Fitting Insulation (ACPI/ACPFs)	15 Linear Feet	FRIABLE-MINOR	Damaged
Common Hall o/s North Stairs	Asbestos Containing Pipe & Pipe Fitting Insulation (ACPI/ACPFs)	5 Linear Feet	FRIABLE-MINOR	Damaged
Various Crawlspace	Asbestos Containing Pipe & Pipe Fitting Insulation (ACPI/ACPFs)	Quantity Undetermined	N/A	N/A
1st Floor				
Gymnasium (assumed to be present)	Vapor Barrier/Mastic below Gym Floor	5,670 Square Feet	NON-FRIABLE	N/A
NE Community Room (adj. to Exit Stairs)	Asbestos Containing Vinyl Floor Tile below Non-Asbestos Tile and Plywood	310 Square Feet	Good	FRIABLE-MAJOR
All Common Halls	Asbestos Containing Vinyl Floor Tile below Non-Asbestos Tile and Plywood	960 Square Feet	Good	FRIABLE-MAJOR

Location(s)	Material	Approximate Amounts of ACM	Philadelphia Asbestos Control Regulation Classification	Condition
Office adj. Community Room & Closets	Asbestos Containing Vinyl Floor Tile below Non-Asbestos Tile and Plywood	170 Square Feet	Damaged	FRIABLE-MAJOR
	Radiator heat Shield Insulation (ASSUMED to be present behind radiator)	16 Square Feet	N/A	FRIABLE-MAJOR (combined with floor tile)
North Office Areas & Closets	Asbestos Containing Vinyl Floor Tile below Non-Asbestos Tile and Plywood	456 Square Feet	Good	FRIABLE-MAJOR
North Storage adj. to Exit Stairs	Top Layer Asbestos Containing Vinyl Floor Tile below Plywood	120 Square Feet	Damaged	FRIABLE-MAJOR
	Radiator heat Shield Insulation (ASSUMED to be present behind radiator)	16 Square Feet	N/A	FRIABLE-MAJOR (combined with floor tile)
Storage Rm. Adj. Large Auditorium	Asbestos Containing Vinyl Floor Tile below Non-Asbestos Tile and Plywood	168 Square Feet	Good	FRIABLE-MAJOR
Game Room adj. Gym	Asbestos Containing adhesive a/w 1'x1' Ceiling Tile (ASSUMED to be present-inaccessible - heights)	450 Square Feet	Good	NON-FRIABLE
South Stair Landings	Asbestos Containing Vinyl Floor Tile	180 Square Feet	Good	NON-FRIABLE/ FRIABLE-MAJOR
2nd Floor				
Throughout	ACPI (ASSUMED to be present inside of wall and ceiling cavities)	QU	N/A	FRIABLE-MAJOR
North Corner Office/Room	Asbestos Containing Vinyl Floor Tile	315 Square Feet	Good	FRIABLE-MAJOR
Large Open Area & Halls o/s Kitchen & Storage Rooms	Asbestos Containing Vinyl Floor Tile below Non-Asbestos Floor Tile	510 Square Feet	Good	FRIABLE-MAJOR
Kitchen	Asbestos Containing Vinyl Floor Tile below Non-Asbestos Floor Tile	130 Square Feet	Good	FRIABLE-MAJOR
Storage Rm. across from Kitchen	Asbestos Containing Vinyl Floor Tile below Non-Asbestos Floor Tile	110 Square Feet	Good	FRIABLE-MAJOR
Main Large Hallway	Asbestos Containing Vinyl Floor Tile below Non-Asbestos Tile and Plywood	580 Square Feet	Good	FRIABLE-MAJOR
SW Library Room	Asbestos Containing Vinyl Floor Tile below Non-Asbestos Tile and Plywood	750 Square Feet	Good	FRIABLE-MAJOR

Location(s)	Material	Approximate Amounts of ACM	Philadelphia Asbestos Control Regulation Classification	Condition
Dance Studio	Asbestos Containing Vinyl Floor Tile below Non-Asbestos Tile and Plywood	705 Square Feet	Good	FRIABLE-MAJOR
Common Area o/s NE Bathrooms	Asbestos Containing Vinyl Floor Tile	40 Square Feet	Good	NON-FRIABLE
Throughout	ACPI (ASSUMED to be present inside of wall and ceiling cavities)	QU	N/A	FRIABLE-MAJOR
Exterior	Window Caulk	15 Windows (165 linear feet total)	Damaged	NON-FRIABLE
Exterior (Annex & Main Building)	Cementitious Roof Shingles & Other Roofing Materials	13,756	Good	NON-FRIABLE
Gym	Roofing Materials	6,170	Good	NON-FRIABLE
Annex Areas				
1st Floor				
Throughout – All Rooms/Areas	Asbestos Containing Vinyl Floor Tile below Non-Asbestos Tile/Carpet and Plywood	1,958 Square Feet	Good	FRIABLE-MAJOR
2nd Floor				
Throughout – All Rooms/Areas & Stairwell Landings (except Bathrooms)	Tan 9”x 9” Asbestos Containing Vinyl Floor Tile	1,800 Square Feet	Damaged	FRIABLE-MAJOR
3rd Floor				
Front-Center Room	Red 9”x 9” Asbestos Containing Vinyl Floor Tile	270 Square Feet	Good	NON-FRIABLE
Exterior				
Exterior (Annex & Main Building)	Cementitious Roof Shingles & Other Roofing Materials	13,756	Good	NON-FRIABLE
Exterior (1 st floor only)	Window Caulk	6 Windows (90 linear feet total)	Damaged	NON-FRIABLE

Please make note of the following items:

- ☐ VAT was confirmed to be present below non-asbestos floor tile and and/or plywood at various locations throughout the building. Although the floor tiles are classified as a non-friable material, removal of the VAT will likely result in breakage and thus rendering the VAT friable, therefore, the abatement classification as per the Phila. Asbestos Control Regulation is listed as “FRIABLE”.
- ☐ No destructive demolition to ceilings was performed to expose concealed ACMs; **therefore, additional quantities of ACMs must be assumed to be present inside of ceiling/pipe penetrations.**

- ☐ **The hard mud pipe fitting insulation that is associated with fiberglass pipe insulation throughout the building was reported to have a trace amount (<1%) of chrysotile asbestos which makes this material an unregulated non-asbestos material. However, since the Occupational Safety and Health Administration (OSHA), which sets and enforces protective workplace safety and health standards, is unconcerned about the amount of asbestos in building materials, rather the concern is for potential worker exposure to asbestos hazards.** Any work involving impact to fitting insulation containing any amount of asbestos shall be performed in accordance with the OSHA asbestos standards for the construction and general industries. These standards reduce the risk to workers by requiring that employers provide personal exposure monitoring to assess the risk for operations where there is any potential exposure to asbestos.

- ☐ The plaster throughout the all areas of the building was reported to have a trace amount (<1%) of chrysotile asbestos which makes this material an unregulated non-asbestos material. However, since the Occupational Safety and Health Administration (OSHA), which sets and enforces protective workplace safety and health standards, is unconcerned about the amount of asbestos in building materials, rather the concern is for potential worker exposure to asbestos hazards. Any work involving impact to plaster containing any amount of asbestos shall be performed in accordance with the OSHA asbestos standards for the construction and general industries. These standards reduce the risk to workers by requiring that employers provide personal exposure monitoring to assess the risk for operations where there is any potential exposure to asbestos.

Considering the information provided above for materials reported to have trace amounts of chrysotile asbestos, the options for the removal of these materials are listed below:

- ☐ If the plaster or pipe fitting insulation (associated with fiberglass pipe insulation) is planned to be demolished/removed or impacted, conduct a negative exposure assessment of workers impacting the plaster to determine if results are below the OSHA Permissible Exposure Limit (PEL) of 0.1 fibers/cm³ for an 8-hour Time Weighted Average.
- ☐ The use of minimal engineering controls, such as work area isolation utilizing critical barriers and nominal negative pressure air filtration are recommended during the removal/impact to these materials.
- ☐ All waste can be transported and disposed as ordinary construction debris.
- ☐ **Inaccessible Area** – Only a portion of the attic space (south side) was accessible for inspection due to compromised flooring which was determined to be unsafe; therefore, it must be assumed that ACPI is present in the areas not accessible for inspection.
- ☐ **Inaccessible Area** – The crawlspaces accessed from the basement are considered confined spaces and could not be inspected without a confined space assessment being performed to ensure the spaces are safe for entry.

Non-Asbestos Containing Materials

The following materials were confirmed to be **non-asbestos containing**:

- ☐ All fiberglass pipe insulation;
- ☐ All drywall and associated joint compound;
- ☐ All mastics associated with all floor tiles;
- ☐ All 12”x12” floor tiles;
- ☐ All smooth top coat and base coat wall and ceiling plaster (<1% chrysotile);
- ☐ All acoustical ceiling tiles;
- ☐ All vinyl sheet flooring material;
- ☐ All “setting bed” mortar associated with ceramic tiles;

Pre-Demolition Abatement Requirements

- ☐ **All friable and NF2** asbestos-containing materials **must be removed prior to demolition.**
- ☐ *Synertech Incorporated* recommends that all NF1 asbestos-containing materials be removed prior to demolition; however, if NF1 asbestos-containing materials are left in place, all demolition debris contaminated with, or adhered to any NF1 ACMs, must be disposed as non-friable asbestos waste.
- ☐ Any assumed asbestos-containing roofing waste must be separated from other non-asbestos construction and demolition waste and properly disposed of at a landfill that accepts non-friable asbestos containing waste.

NOTE: Testing of roofing materials prior to the start of any demolition may be considered to be performed to definitively determine the asbestos content, if any, in any roofing field or flashing materials.

Pre-Renovation Abatement Requirements

- ☐ Any ACM that is anticipated to be impacted by demolition and/or renovation activities must be properly removed as per the Philadelphia Asbestos Control Regulation (ACR) prior to these activities.
-

Introduction

As requested by your office, *Synertech Incorporated* representative John P. Fiorelli, Pennsylvania licensed lead inspector/risk assessor # 004799, performed lead paint testing via XRF throughout the Francis Myers Recreation Center Building. The survey and testing were performed to locate any Lead Based Paint (LBP) or Lead Containing Coatings (LCC) that may be present throughout building prior to planned renovations and/or demolition. This report is a summary of the findings and testing data.

Synertech Incorporated conducts all investigational LBP work according to all pertinent regulations, including HUD, OSHA, the Nuclear Regulatory Commission, Commonwealth of Pennsylvania's DER - Bureau of Radiation Protection and the Resource Conservation and Recovery Act (RCRA). The HUD guidelines provide the most comprehensive national compilation of technical protocols, practices and procedures for Lead Based Paint testing, abatement, worker protection, cleanup, and disposal. However, for the purposes of this survey, representative XRF testing of all building components was performed.

Diagnostic testing was performed using a portable X-Ray Fluorescence (XRF) Spectrum Analyzer (The Niton XLp 300 Spectrum Analyzer as manufactured by the Thermo Scientific Corporation). An XRF detector is a portable instrument that a lead inspector can carry to the job site. The instrument contains a sealed "source" that emits radioactive energy in the form of gamma rays. When the source is activated and exposed to a surface for testing, the material within its field of view will be "excited". Each element, when exposed to gamma rays above its "absorption edge", will fluoresce. Once fluoresced, the element will emit x-ray energies. If lead is present within the tested material, it will emit a characteristic frequency of radiation; the XRF reads the intensity of this radiation, which is related to the amount of lead in the paint. The unit was calibrated prior to testing to ensure that the unit is operating within acceptable ranges.

- ☐ LBP is defined by the City of Philadelphia Department of Health to contain equal to or greater than 0.70 mg/cm² via XRF.
- ☐ LBP is defined by the Federal Department of Housing & Urban Development (HUD) and Environmental Protection Agency (EPA) to contain equal to or greater than 1.00 mg/cm² lead via XRF.
- ☐ The OSHA definition correlates to a PRESENT or ABSENT lead content in paints and coatings. OSHA considers results greater than 0.00 mg/cm² lead via XRF a Lead Containing Coating (LCC).

Summary of Results for XRF Testing

The tables below list the components confirmed to be lead containing via XRF testing:

Please Note: Regarding entries in the "Wall" column, Direction "A" corresponds to the main front entry wall of the building for common areas and "A" corresponds to the entry door wall for interior room within the building. Direction "B" corresponds to the next adjacent wall in a clockwise direction and so forth for directions "C" and "D".

LBP and LCC Components					
Location	Wall	Component	>OSHA Threshold	>HUD/EPA Threshold	>CoP DoH Threshold
2nd Floor					
Halls	All	Plaster Walls & Ceilings	X	X	X
Library Room	All	Plaster Walls & Ceilings	X	X	X
	C	Window Frames & Casings	X		
Dance Studio	All	Walls & Ceiling	X		
	D	Cabinets	X		
Hall Utility Closet	All	Ceramic Wall Tiles	X	X	X
	All	Roof Drain Pipes	X	X	X

LBP and LCC Components					
Location	Wall	Component	>OSHA Threshold	>HUD/EPA Threshold	>CoP DoH Threshold
2nd Floor					
Common Area o/s East Bathrooms	All	Plaster Walls & Ceilings	X	X	X
	All	Chair Rail Moldings	X	X	X
	All	Wainscot Moldings	X	X	X
East Bathrooms	All	Plaster Walls & Ceilings	X	X	X
	C	Window Sills, Frames & Sashes	X	X	X
	All	Pipes	X		
	All	Wainscot Moldings	X	X	X
North Stairs & Landings	All	Plaster Walls & Ceilings	X	X	X
NE Room on West Side of Hallway	All	Plaster Walls & Ceilings	X	X	X
	All	Baseboards	X	X	X
	All	Window Frames, Aprons & Casings	X	X	X
	All	Window Sashes	X		
	A	Door Frame	X		
	All	Window Sills	X		
North Bathroom	C	Window Frames & Sashes	X		
	A	Door Frame	X		
(North) NW Room	All	Plaster Walls & Ceilings	X	X	X
	All	Baseboards	X	X	X
	All	Closet Walls & Ceilings	X	X	X
	All	Window Frames	X		
	All	Closet Shelves	X	X	X
Large Open Area o/s Kitchen	All	Plaster Walls & Ceilings	X	X	X
Storage Rooms	All	Door Frames	X	X	X
	All	Cabinets	X		
	All	Baseboards	X		
South Stairs & Landings	All	Plaster Walls & Ceilings	X	X	X
1st Floor					
North Common Area & Halls	All	Plaster Walls & Ceilings	X	X	X
	All	Wainscot Moldings	X	X	X
	All	Chair Rail Moldings	X	X	X
South Hall	All	Plaster Walls & Ceilings	X		
	All	Columns	X		
NE Reading Room	All	Plaster Walls & Ceilings	X	X	X
	All	Window Sills & Casings	X		
	All	Window Sashes	X		
	All	Baseboards	X		
NE Caretakers Office	A	Door Casings	X	X	X
	C	Shelves & Supports	X		
	C	Closet Door Frames & Casings	X	X	X
	All	Baseboards	X	X	X
	D	Window Sills & Aprons	X		
	D	Walls (plaster behind drywall)	X		
(North) NW Office	All	Window Sashes	X	X	X
	All	Window Frames	X		

LBP and LCC Components					
Location	Wall	Component	>OSHA Threshold	>HUD/EPA Threshold	>CoP DoH Threshold
(North) NW Office	All	Closet Door Frames & Casings	X		
	N/A	Ceiling Beams	X		
North Storage Closet	All	Plaster Walls & Ceilings	X		
Front Large Auditorium	All	Columns	X	X	X
Computer Rm. Closet	All	Wall Tiles	X	X	X
Basement Stairs & Landing	All	Plaster Walls & Ceilings	X	X	X
Basement					
North Pottery Room	All	Plaster Walls & Ceilings	X	X	X
	All	Closet Door Frames & Casings	X	X	X
	All	Shelves	X	X	X
Exterior	All	Wood Window Components	X	X	X
	C	Fire Escape Stair Risers & Stringers	X	X	X
	C	Fire Escape Stair	X		
	N/A	Playground Sprinkler Pole	X		
Annex Areas					
1st Floor					
Throughout	All	Plaster Walls & Ceilings (ASSUMED to be present behind drywall)	X	X	X
Stairwells	All	Plaster Walls & Ceilings (ASSUMED to be present behind drywall)	X	X	X
2nd Floor					
Throughout – All Rooms/Areas	All	Plaster Walls & Ceilings	X	X	X
	All	Baseboards	X	X	X
	All	Window Sills, Frames Casings & Sashes	X	X	X
3rd Floor					
Throughout – All Rooms/Areas	All	Plaster Walls & Ceilings	X	X	X
	All	Baseboards	X	X	X
	All	Window Sills, Frames Casings & Sashes	X	X	X
Exterior					
Exterior	All	Wood Window Components	X	X	X
	C	Fire Escape Stair Risers & Stringers	X	X	X
	C	Fire Escape Stair	X		
	N/A	Playground Sprinkler Pole	X		

Applicable Standards/ Regulations

Summary of EPA’s Lead; Renovation, Repair, and Painting (RRP) Program

The following is a brief and highly condensed summary of the EPA’s RRP. The following is not intended to be utilized in place of the RRP, but is rather a brief presentation of the major components of the regulation as they apply to this specific project.

- a. Application – The EPA’s RRP applies to all renovations, repairs, and painting of lead painted surfaces performed for compensation in *Target Housing* and “child-occupied facilities”.

b. Definitions:

1. **Child-occupied facility** – a building, or portion of a building, constructed prior to 1978, visited regularly by the same child, under six (6) years of age, on at least two (2) different days within any week, provided that each day's visit lasts at least three (3) hours, and the combined weekly visits last at least six (6) hours, and the combined annual visits last at least sixty (60) hours.
 2. **Renovation** – the modification of any existing structure, or portion thereof, that results in the disturbance of more than six (6) SF of interior lead painted surfaces per room, or more than twenty (20) SF of exterior lead painted surfaces.
- c.** If a building or property is considered a child occupied while any renovations are being performed, the owners of the building, and the occupants and/or their parents/guardians must receive information from the renovator on lead based paint hazards before renovations begin. This information must exclusively be the EPA pamphlet entitled, "*Renovate Right: Important Lead Hazard Information for Families, Child Care Providers and Schools*". Written acknowledgement of receipt of the pamphlet must also be provided back to the renovator.
- d.** If the building or property is child occupied while any future renovations are being performed, the renovator is required to post informational signs describing the general nature, locations and completion date of the project, and prepare, date and sign a statement describing the steps performed to notify parents and guardians and to provide the pamphlet.
- e.** Individuals performing these renovations must be trained at EPA accredited Training Providers, firms must be certified by the EPA as Lead Renovators, and work practices must be employed in accordance with the RRP.
- f.** Required renovator work practices:
1. Post warning signs and clearly define the work areas to limit access by occupants.
 2. Isolate/contain work area so that no dust leaves the work area.
 3. Remove objects from the work area or leave, cover and seal such objects.
 4. Close and cover all duct openings in the work area.
 5. Close all windows and doors in the work area.
 6. Cover the floor of the work area with taped down impermeable sheeting.
 7. Open flame burning or torching of paint, using a heat gun above 1,100 °F, and the use of machines that sand grind, plane or blast paint are prohibited.
 8. Generated waste must be contained and disposed to prevent release of dust.
 9. Clean work area until no dust or debris remains, starting from highest elevation to lowest elevation, using damp wiping using trisodium phosphate soap (TSP) and HEPA vacuuming techniques.
 10. Wet mop floors, keeping wash water separate from the rinse water.
 11. Perform visual inspection for remnant dust or debris. When acceptable, perform post renovation clearance verification testing or surface lead dust wipe sampling.

Summary of OSHA Lead Exposure in Construction Standard

The current OSHA standard 29 CFR 1926.62 for lead exposure in construction has a permissible exposure limit (PEL) of 50 micrograms per cubic meter of air (50 $\mu\text{g}/\text{m}^3$), measured as an 8-hour time-weighted average (TWA).

Certain lead-related construction tasks commonly produce exposures above the PEL and often orders of magnitude above the PEL. The OSHA lead standard for construction is unique in that it groups tasks that are presumed to be associated with employee exposures above the PEL into three lead-exposure ranges. The exposure ranges assigned to the different categories of tasks are based on data collected by OSHA and other sources including two advisory groups.

OSHA mandates a worker lead exposure action level (AL) of airborne lead to be 30 ug/cubic meter of air and a permissible exposure limit (PEL) of ≤ 50 ug/cubic meter of air. (ug = micrograms).

Respiratory Protection for Lead Exposures

Airborne Concentration of Lead	Minimum Required Respiratory Protection
Below the PEL up to 49 $\mu\text{g}/\text{m}^3$	No Personal Protective Equipment or Respiratory Protection Required
1 to 10 x PEL/ up to 500 $\mu\text{g}/\text{m}^3$	Any Air Purifying Respirator (HEPA)
10 to 25 x PEL/ 500 to 1,250 $\mu\text{g}/\text{m}^3$	Any Powered Air Purifying Respirator (HEPA)
25 to 50 x PEL/ 1,250 to 2,500 $\mu\text{g}/\text{m}^3$	Full face piece Air Purifying Respirator (HEPA) or Tight fitting Powered Air Purifying Respirator (HEPA)
50 to 100 x PEL/ 2,500 to 50,000 $\mu\text{g}/\text{m}^3$	Half masked Supplied Air Respirator
100 to 200 x PEL/ 50,000 to 100,000 $\mu\text{g}/\text{m}^3$	Full face piece Supplied Air Respirator
> 200 x PEL/ $\geq 100,000$ $\mu\text{g}/\text{m}^3$	Full face piece SCBA

Lead-Related Construction Tasks and Their Presumed 8-hour TWA Exposure Levels

> 50 to 500 $\mu\text{g}/\text{m}^3$	> 500 $\mu\text{g}/\text{m}^3$ to 2,500 $\mu\text{g}/\text{m}^3$	> 2,500 $\mu\text{g}/\text{m}^3$
Manual demolition	Using lead-containing mortar	Welding
Dry manual scraping	Lead burning	
Dry manual sanding	Rivet busting	Torch cutting
Heat gun use	Power tool cleaning without dust collection systems	
Power tool cleaning with dust collection systems	Cleanup of dry expendable abrasive blasting jobs	Torch burning
Spray painting with lead paint	Abrasive blasting enclosure movement and removal	

Construction Waste Characterization Testing

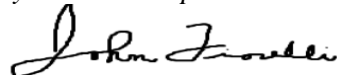
For those components testing positive for LBP that will be disposed of with construction waste, with the exception of the metal materials that will be recycled, a Toxicity Characteristic Leaching Procedure (TCLP) sample must be collected and submitted by the waste generating contractor. TCLP is a sample extraction analytical method used to simulate a waste stream leaching through a landfill. The method is used to determine if the waste is characterized as hazardous.

The level, at or above which demolition waste would have to be treated as hazardous lead waste, is 5.0 parts per million of lead, or 5.0 mg/L of lead.

Synertech Incorporated is pleased to provide Duffield Associates with this report. If you have any questions regarding the information or data provided in this correspondence, feel free to contact our office at 215-755-2305.

Sincerely,

Synertech Incorporated



John P. Fiorelli
 Project Manager

Attachment #1

Asbestos Laboratory Certificates of Analysis



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Tel/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com> / cinnasblab@EMSL.com

EMSL Order: 041933415

Customer ID: SYNE50

Customer PO:

Project ID:

Attention: John Fiorelli
Synertech, Inc.
228 Moore Street
Philadelphia, PA 19148

Phone: (215) 755-2305

Fax: (215) 755-2405

Received Date: 11/18/2019 5:50 PM

Analysis Date: 11/19/2019

Collected Date: 11/18/2019

Project: Francis Myers Rec / 632-221

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
1 041933415-0001	Large Center Area - Basement - Paper Pipe Insulation - Air Cell	White Fibrous Homogeneous		40% Non-fibrous (Other)	60% Chrysotile
			HA: A		
2 041933415-0002	Outside Equipment Storage - Basement - Harrys Room - Paper Pipe Insulation - Air Cell				Positive Stop (Not Analyzed)
			HA: A		
3 041933415-0003	Large Center Open Area - Hard Fitting associated with FGPI	Gray Fibrous Homogeneous	35% Min. Wool	65% Non-fibrous (Other)	<1% Chrysotile
			HA: B		
4 041933415-0004	Front Sprinkler Area "Wing" - Hard Fitting associated with FGPI	Gray Fibrous Homogeneous	35% Min. Wool	65% Non-fibrous (Other)	<1% Chrysotile
			HA: B		
5 041933415-0005	Basement Pottery Room at Front SE Corner - Grey Pipe Fitting Debris on Desk	Gray Fibrous Homogeneous	40% Min. Wool	60% Non-fibrous (Other)	<1% Chrysotile
			HA: B		
6 041933415-0006	Basement Pottery Room - Wall Parging Mortar	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: C		
7 041933415-0007	Basement Pottery Room - Wall Parging Mortar	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: C		
8 041933415-0008	Basement Pottery Room - Grey Mortar associated with Brick	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: C		
9 041933415-0009	Basement Storage near North Stairs - Textured Wall Parging	Tan/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: D		
10 041933415-0010	Basement Storage near North Stairs - Textured Wall Parging	Tan/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: D		
11 041933415-0011	Basement - NE Corner of Large Center around Chase - White Top Wall Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: E		

Initial report from: 11/19/2019 11:03:23



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<http://www.EMSL.com> / cinnasblab@EMSL.com

EMSL Order: 041933415
Customer ID: SYNE50
Customer PO:
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
12 041933415-0012	Basement - NE Corner of Large Center around Chase - Base associated with 11	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: F					
13 041933415-0013	Basement - NE Corner of Large Center around Chase - White Top Wall Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: E					
14 041933415-0014	Basement - NE Corner of Large Center around Chase - Base associated with 13	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: F					
15 041933415-0015	Basement - NE Corner of Large Center around Chase - White Top Wall Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: E					
16 041933415-0016	Basement - NE Corner of Large Center around Chase - Base associated with 15	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: F					
17 041933415-0017	Large Center Area near Front "Wing" - Brown Particle Board Wall	Brown/White Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
HA: G					
18 041933415-0018	Basement - Debris on Exposed Joist - Large Center - White Coat Plaster Debris	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: H					
19 041933415-0019	Basement - Debris on Exposed Joist - Large Center - Brown Coat Plaster Debris	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: I					
20 041933415-0020	Basement - Debris on Exposed Joist - Large Center - White Coat Plaster Debris	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: H					
21 041933415-0021	Basement - Debris on Exposed Joist - Large Center - Brown Coat Plaster Debris	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: I					
22 041933415-0022	Basement - Debris on Exposed Joist - Large Center - White Coat Plaster Debris	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: H					

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
23 041933415-0023	Basement - Debris on Exposed Joist - Large Center - Brown Coat Plaster Debris	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: I		
24 041933415-0024	Basement - North Stair Wall - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: J		
25 041933415-0025	Basement - North Stair Wall - Drywall	Brown/White Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected
			HA: K		
26 041933415-0026	1st Floor outside Game Room - Grey 12x12 Top Layer Tile	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: L		
27 041933415-0027	1st Floor outside Game Room - Yellow Glue associated with 26	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: M		
28 041933415-0028	1st Floor North Hall - Grey Top Layer 12x12 Tile	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: L		
29 041933415-0029	1st Floor North Hall - Glue associated with 28	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: M		
30 041933415-0030	1st Floor NE Comm Room - Carpet Glue	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: N		
31 041933415-0031	1st Floor NE Comm Room - Tile below Carpet	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: O		
32 041933415-0032	1st Floor NE Comm Room - Black Mastic associated with 31	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: P		
33 041933415-0033	1st Floor NE Comm Room - Carpet Glue	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: N		
34 041933415-0034	1st Floor NE Comm Room - Tile below Carpet	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: O		
35 041933415-0035	1st Floor NE Comm Room - Black Mastic associated with 34	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: P		
36 041933415-0036	1st Floor Small NE Office adjacent NE Comm Room - Below Carpet - Tan with Red Streak 9x9	Tan/Red Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile

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EMSL Order: 041933415
Customer ID: SYNE50
Customer PO:
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
HA: Q					
37 041933415-0037	1st Floor Small NE Office adjacent NE Comm Room - Below Carpet - Mastic associated with 36	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: R					
38 041933415-0038	1st Floor Small NE Office adjacent NE Comm Room - Below Carpet - Black Vapor Barrier associated with 36-37	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected
HA: S					
39 041933415-0039	1st Floor North Storage Room - Tan with Blue Top 9x9	Tan/Blue Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
HA: T					
40 041933415-0040	1st Floor North Storage Room - Mastic associated with 39	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: U					
41 041933415-0041	1st Floor North Storage Room - Tan with Blue Top 9x9				Positive Stop (Not Analyzed)
HA: T					
42 041933415-0042	1st Floor North Storage Room - Mastic associated with 41	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: U					
43 041933415-0043	1st Floor Computer Room - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: V					
44 041933415-0044	1st Floor Computer Room Closet - Wall Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: X					
45 041933415-0045	1st Floor Computer Room Closet - Wall Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: X					
46 041933415-0046	Computer Room Closet - Ceiling Tile 2x4 Fissured	Gray/White Fibrous Homogeneous	55% Cellulose 25% Min. Wool	20% Non-fibrous (Other)	None Detected
HA: X					
47 041933415-0047	Computer Room Closet - Foil and Black Wrap associated with FGPI	Brown/Silver/Blue Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected
HA: Y					
48 041933415-0048	1st Floor Bath adjacent to Avd Store Room - Blue Sheet Floor	Blue Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: Z					

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EMSL Order: 041933415

Customer ID: SYNE50

Customer PO:

Project ID:

Analyst(s)

Amy Johnson (32)

Seri Smith (14)

Samantha Rundstrom, Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method"), but augmented with procedures outlined in the 1993 ("final") version of the method. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. All samples received in acceptable condition unless otherwise noted. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. EMSL recommends gravimetric reduction for all non-friable organically bound materials prior to analysis. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367, LA #04127

Initial report from: 11/19/2019 11:03:23

Chain of Custody Transmittal – Asbestos Bulk Samples

228 Moore Street • Philadelphia, Pennsylvania 19148 • Phone 215-755-2305 • Fax 215-755-2405 • www.gosynertech.com • info@gosynertech.com

Project Name: Francis Myers Rec Project No. 632-221 Laboratory: EMSL

Analysis: PLM Other _____ Test Until Positive Per HMID Turnaround Time: 6 hour RUSH 24 hours 72 hours Other _____

Samples Collected By: S. Fioravelli Date/Time 11/18/19 Transmitted to Lab By: [Signature] Date/Time 11/18/19

Received in Lab By: _____ Date/Time _____ Received in Lab By: [Signature] Date/Time 11/19/19

Report Results To: _____

Sample #	HMID	Lab Sample #	C/D	Material Description	Location
1	A		C	PAPER PIPE INSULATION (AIR CELL)	LARGE CENTER AREA - BASEMENT
2	A		C	" "	O/S EQUIPMENT STORAGE - BASEMENT (HARLYS Rm)
3	B		C	HAND FITTING A/W FG PF	LARGE CENTER OPEN AREA
4	B		C	" "	FLOAT SPRINKLER AREA "wing"
5	B		C	GREY PIPE FITTING DEBRIS ON DESK	BASEMENT POTTERY Rm - AT FILANT SE CORNER
6	C		C	WALL PAINTING MORTAR	BASEMENT POTTERY Rm
7	C		C	" "	" "
8	C		C	GREY MORTAR A/W WALL BLOCK	" "
9	D		C	TEXTURED WALL PAINTING	BASEMENT - STORAGE NEAR NORTH STAIRS
10	D		C	" "	" "
11	F		D	WHITE TOP WALL PLASTER	BASEMENT - NE CORNER OF LARGE CENTER AROUND CHASE
12	F		D	Base A/W 11	" "
13	E		D	SAME AS 11	" "
14	F		D	SAME AS 12	" "
15/16	E/F		D	15 - SAME AS 11/13 16 - SAME AS 12/14	" "

Order ID: 041933415

HMID = Homogenous Material Identification
 C = Composite- Samples indicated as composite should be analyzed/reported as a single material.
 D = Discrete Stratum- Samples indicated as discrete stratum should be analyzed/reported by layer.

48R11

Chain of Custody Transmittal - Asbestos Bulk Samples

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RECEIVED

EMIS
CINNAMINSON, NJ

Project Name: FRANCIS MYERS REC Project No. 632-221 Laboratory: Env SI.
 Analysis: PLM Other _____ Test Until Positive Per HMID Turnaround Time: 6 hour RUSH 24 hours 72 hours Other _____
 Samples Collected By: J. Fiori Date/Time 11/18/18 Transmitted to Lab By: [Signature] Date/Time 11/18/18
 Received in Lab By: _____ Date/Time _____ Received in Lab By: _____ Date/Time _____
 Report Results To: _____

Sample #	HMID	Lab Sample #	C/D	Material Description	Location
17	G		C	BLOWN PARTICLE BOARD W/AN	LARGE CEILING AREA NEAR "EAST WING"
18	H		D	WHOLE COAT - PLASTIC DEBRIS	BASINMENT - DEBRIS ON EXPOSED JOIST - LARGE AREA
19	I		D	BLOWN COAT A/W 18	" "
20	H		D	WHOLE COAT - PLAST DEBRIS	" "
21	I		D	BLOWN COAT PLAST DEBRIS	" "
22	H		D	WHOLE COAT PLAST DEBRIS	" "
23	I		D	BLOWN COAT PLAST DEBRIS	" "
24	J		C	JOINT COMPOUND	BASINMENT - NORTH STAIR W/AN.
25	K		C	DRY W/AN.	" "
26	L		D	GREY 12x12 TOP LAYER TILE	1 ST FL OF S GAME RM
27	M		D	YELLOW GLUE A/W 26	" "
28	L		D	GREY TOP LAYER 12x12 TILE	1 ST FL NORTH HALL
29	M		D	GLUE A/W 27	" "
30	N		D	RED BROWN CARPET GLUE	1 ST FL NE CORNER RM
31	O		D	TILE BELOW CARPET	" "
32	P		D	BLACK MASTIC A/W 31	" "

Order ID: 041933415
 HMID = Homogenous Material Identification

C = Composite- Samples indicated as composite should be analyzed/reported as a single material.
 D = Discrete Stratum- Samples indicated as discrete stratum should be analyzed/reported by layer.

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Project Name: Francis Myers NOV 18 P 6:36 Project No. 632-221 Laboratory: EMSL

Analysis: PLM Other Test Until Positive Per HMID Turnaround Time: 6 hour RUSH 24 hours 72 hours Other

Samples Collected By: J. H. [Signature] Date/Time 11/18/19 Transmitted to Lab By: [Signature] Date/Time 11/18/19

Received in Lab By: _____ Date/Time _____ Received in Lab By: _____ Date/Time _____

Report Results To: _____

Sample #	HMID	Lab Sample #	C/D	Material Description	Location
33	N		D	True Asbestos CARPET GLUE	1 st fl NE corner rm
34	O		D	Tile Below CARPET	1 st fl NE corner rm
35	P		D	BLACK MASTIC A/w 34	1 st fl NE corner rm
36	Q		D	TAN with RED STRIP 8x8.	1 st fl small NE OFFICE ADJ NE corner rm - Below CARPET
37	R		D	MASTIC A/w 36	" "
38	S		D	BLACK CARPET BARRIER A/w 36-37.	" "
39	T		D	TAN with BNE JOP 9x9	1 st fl north STORAGE rm
40	U		D	MASTIC A/w 39.	" "
41	T		D	SAME AS 39	" "
42	U		D	MASTIC A/w 41	" "
43	V		C	JOINT compound	1 st fl computer rm
44	W		D	WALL PLASTER.	1 st fl computer rm closet
45	W		D	WALL PLASTER -	1 st fl computer rm closet
46	X		C	CEILING TILE - 2x4 FISHPOND	comp rm closet
47	Y		C	Foil + BLACK WRAP A/w F6PE	comp rm closet

HMID = Homogenous Material Identification

C = Composite- Samples indicated as composite should be analyzed/reported as a single material.

D = Discrete Stratum- Samples indicated as discrete stratum should be analyzed/reported by layer.



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Tel/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com> / cinnasblab@EMSL.com

EMSL Order: 041935999

Customer ID: SYNE50

Customer PO:

Project ID:

Attention: Janae Berenato
Synertech, Inc.
228 Moore Street
Philadelphia, PA 19148

Phone:

Fax: (215) 755-2405

Received Date: 12/19/2019 9:10 AM

Analysis Date: 12/20/2019 - 12/21/2019

Collected Date: 12/10/2019

Project: 632-221 - Francis Myers REC

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
49 041935999-0001	2nd Floor Hall o/s Library - Tan with Gray Speck 12 x 12	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
50 041935999-0002	2nd Floor Hall o/s Library - Black Mastic a/w 49	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
51 041935999-0003	2nd Floor Hall below 12 x 12 - Brown and Red Bottom Tile	Brown/Red Non-Fibrous Homogeneous		94% Non-fibrous (Other)	6% Chrysotile
52 041935999-0004	2nd Floor Hall below 12 x 12 - Mastic a/w 51	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
53 041935999-0005	2nd Floor Library Entry - Tan with Gray 12 x 12	Gray/Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
54 041935999-0006	2nd Floor Library Entry - Mastic a/w 54	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
55 041935999-0007	2nd Floor Library Entry - Leveler below 53 and 54	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
56 041935999-0008	2nd Floor Hall - Brown and Red bottom Floor Tile				Positive Stop (Not Analyzed)
57 041935999-0009	2nd Floor Hall - Mastic a/w 56	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
58 041935999-0010	2nd Floor Floor North Corner Room - Tan 9 x 9 with Brown Spec	Gray/White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
59 041935999-0011	2nd Floor Floor North Corner Room - Mastic a/w 59	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
60 041935999-0012	2nd Floor Floor North Corner Room - Vapor Barrier below 59	Black Fibrous Homogeneous	50% Cellulose 20% Synthetic	30% Non-fibrous (Other)	None Detected
61 041935999-0013	2nd Floor Common o/s North Room - Faux Parquet Self Stick Tile	Brown/Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
62 041935999-0014	2nd Floor Common o/s North Room - Glue a/w 61	Clear Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
63 041935999-0015	2nd Floor Large Area o/s Bath - Faux Parquet Self Stick Glue	Brown/Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 12/22/2019 11:50:08



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EMSL Order: 041935999
Customer ID: SYNE50
Customer PO:
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
64 <i>041935999-0016</i>	2nd Floor Large Area o/s Bath - Faux Parque Self Stick Glue	Clear Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
65 <i>041935999-0017</i>	Hall o/s North Corner Room 2nd Floor - Tan Top Coat Wall Plaster	Tan/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
66 <i>041935999-0018</i>	Hall o/s North Corner Room 2nd Floor - Gray Base Coat	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
67 <i>041935999-0019</i>	2nd Floor Open Area East Wall - Tan Top Coat Wall Plaster	Tan/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
68 <i>041935999-0020</i>	2nd Floor Open Area East Wall - Gray Base Coat	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
69 <i>041935999-0021</i> <i>QC by JS.</i>	2nd Floor Library - Top Coat Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
70 <i>041935999-0022</i>	2nd Floor Library - Base Coat - Tan	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
71 <i>041935999-0023</i>	2nd Floor Dance Studio - Top Coat Plaster	Tan/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
72 <i>041935999-0024</i>	2nd Floor Dance Studio - Base Coat - Tan	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
73 <i>041935999-0025</i>	2nd Floor East Bath - Top Coat Wall Plaster	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
74 <i>041935999-0026</i>	2nd Floor East Bath - Base Coat Plaster	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
75 <i>041935999-0027</i> <i>Recommend TEM.</i>	2nd Floor East Bath - Gray Top Layer 12 x 12	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
76 <i>041935999-0028</i>	2nd Floor East Bath - Black Mastic a.w 75	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
77 <i>041935999-0029</i>	2nd Floor East Bath - Gray Top 12 x 12	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
78 <i>041935999-0030</i>	2nd Floor East Bath - Mastic a/w 77	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
79 <i>041935999-0031</i>	2nd Floor East Bath - Tan Leveler below Gray 12 x 12	Tan/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
80 <i>041935999-0032</i>	2nd Floor East Bath - Tan Leveler below Gray 12 x 12	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
81 <i>041935999-0033</i>	2nd Floor Common o/s East Bath - Tan with below Spec 9 x 9				Positive Stop (Not Analyzed)

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EMSL Order: 041935999
Customer ID: SYNE50
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Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
82 041935999-0034	2nd Floor Library - 1 x 1 Acoustical Ceiling Tile	Brown Fibrous Homogeneous	99% Cellulose	1% Non-fibrous (Other)	None Detected
83 041935999-0035	2nd Floor Dance - 1 x 1 Acoustical Ceiling Tile	Brown Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (Other)	None Detected
84 041935999-0036	2nd Floor Library - 2 x 4 Fiss ACT	Tan/White Fibrous Homogeneous	60% Cellulose 20% Min. Wool	20% Non-fibrous (Other)	None Detected
85 041935999-0037	2nd Floor Dance - 2 x 4 Fiss ACT	White Fibrous Homogeneous	60% Cellulose 30% Min. Wool	10% Non-fibrous (Other)	None Detected
86 041935999-0038	Library - Below Glue a/w 82	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
87 041935999-0039	Dance - Brown Glue	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
88 041935999-0040	2nd Floor North Bath - Tan Set Bed	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
89 041935999-0041	2nd Floor North Bath - Yellow Floor Ceramic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
90 041935999-0042	2nd Floor until Closet - Setting Bed	Gray/Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
91 041935999-0043	2nd Floor North Bath - Yellow Ceramic Wall Tile	White/Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
92 041935999-0044	2nd Floor North Bath - Yellow Glue a/w 91	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
93 041935999-0045	2nd Floor Library - Tan Plaster behind Radiators	Gray/Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
94 041935999-0046	2nd Floor Dance - Tan Plaster behind Radiators	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
95 041935999-0047	2nd Floor Dance - Tan Plaster behind Radiators	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
96 041935999-0048	2nd Floor North Stair Landing - Tan Vinyl Sheet Floor	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
97 041935999-0049	2nd Floor - Faux Parque Self Stick	Brown/Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
98 041935999-0050	3rd Floor - Plaster	Gray/Tan Fibrous Homogeneous	3% Synthetic	97% Non-fibrous (Other)	None Detected
99 041935999-0051	3rd Floor - Plaster	Gray/Tan Fibrous Homogeneous	2% Synthetic	98% Non-fibrous (Other)	None Detected
100 041935999-0052	3rd Floor - Plaster	Gray Fibrous Homogeneous	2% Synthetic	98% Non-fibrous (Other)	None Detected

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EMSL Order: 041935999
Customer ID: SYNE50
Customer PO:
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
101 <i>041935999-0053</i>	3rd Floor Stair Landing - 9 x 9 Floor Tile	Gray/White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
102-Mastic <i>041935999-0054</i>	3rd Floor Stair Landing - Mastic a/w 101	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
102-Leveler <i>041935999-0054A</i>	3rd Floor Stair Landing - Leveler a/w 101	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
103 <i>041935999-0055</i>	3rd Floor Stair Landing - South - 9 x 9 Tile				Positive Stop (Not Analyzed)
104 <i>041935999-0056</i>	South - Mastic a/w 103	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Analyst(s) _____
 Christopher Richardson (20)
 Christian Strey (34)

Samantha Rundstrom

 Samantha Rundstrom, Laboratory Manager
 or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method"), but augmented with procedures outlined in the 1993 ("final") version of the method. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. All samples received in acceptable condition unless otherwise noted. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. EMSL recommends gravimetric reduction for all non-friable organically bound materials prior to analysis. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367, LA #04127

Initial report from: 12/22/2019 11:50:08



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EMSL Order ID: 042108508
Customer ID: SYNE50
Customer PO:
Project ID:

Attn: John Fiorelli
Synertech, Inc.
228 Moore Street
Philadelphia, PA 19148
Phone: (215) 755-2305
Fax: (215) 755-2405
Collected: 4/12/2021
Received: 4/12/2021
Analyzed: 4/20/2021
Proj: Meyers Red Annex - 632-221-2

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: 105 **Lab Sample ID:** 042108508-0001
Sample Description: 1st Floor Conference Room Walls/Joint Compound

TEST	Analyzed		Non-Asbestos		Asbestos	Comment
	Date	Color	Fibrous	Non-Fibrous		
PLM	4/15/2021	White	0.0%	100.0%	None Detected	

Client Sample ID: 106 **Lab Sample ID:** 042108508-0002
Sample Description: 3rd Floor Bath/Thinset Mortar

TEST	Analyzed		Non-Asbestos		Asbestos	Comment
	Date	Color	Fibrous	Non-Fibrous		
PLM	4/15/2021	White	0.0%	100.0%	None Detected	

Client Sample ID: 107 **Lab Sample ID:** 042108508-0003
Sample Description: 3rd Floor/Skim Coat Wall Plaster

TEST	Analyzed		Non-Asbestos		Asbestos	Comment
	Date	Color	Fibrous	Non-Fibrous		
PLM	4/15/2021	White	0.0%	100.0%	None Detected	

Client Sample ID: 108 **Lab Sample ID:** 042108508-0004
Sample Description: 3rd Floor/Base Coat Plaster

TEST	Analyzed		Non-Asbestos		Asbestos	Comment
	Date	Color	Fibrous	Non-Fibrous		
PLM	4/15/2021	Gray	5.0%	93.0%	2% Chrysotile	
400 PLM Pt Ct	4/20/2021	Gray	5.0%	95.0%	<0.25% Chrysotile	

Client Sample ID: 109 **Lab Sample ID:** 042108508-0005
Sample Description: 3rd Floor Bath/Thinset Mortar

TEST	Analyzed		Non-Asbestos		Asbestos	Comment
	Date	Color	Fibrous	Non-Fibrous		
PLM	4/15/2021	White	0.0%	100.0%	None Detected	

Client Sample ID: 110 **Lab Sample ID:** 042108508-0006
Sample Description: 3rd Floor/Skim Coat Plaster

TEST	Analyzed		Non-Asbestos		Asbestos	Comment
	Date	Color	Fibrous	Non-Fibrous		
PLM	4/15/2021	White	0.0%	100.0%	None Detected	

Client Sample ID: 111 **Lab Sample ID:** 042108508-0007
Sample Description: 3rd Floor/Base Coat Plaster

TEST	Analyzed		Non-Asbestos		Asbestos	Comment
	Date	Color	Fibrous	Non-Fibrous		
PLM	4/15/2021					Positive Stop (Not Analyzed)
400 PLM Pt Ct	4/20/2021	Gray	5.0%	95.0%	<0.25% Chrysotile	



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EMSL Order ID: 042108508
Customer ID: SYNE50
Customer PO:
Project ID:

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: 112 **Lab Sample ID:** 042108508-0008

Sample Description: Basement/1' x 1' Ceiling Tile

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/15/2021	Gray/White	80.0%	20.0%	None Detected	

Client Sample ID: 113 **Lab Sample ID:** 042108508-0009

Sample Description: 2nd Floor/Skim Coat Plaster

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/15/2021	White	0.0%	100.0%	None Detected	

Client Sample ID: 114 **Lab Sample ID:** 042108508-0010

Sample Description: 2nd Floor/Base Coat Plaster

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/15/2021				Positive Stop (Not Analyzed)	
400 PLM Pt Ct	4/20/2021	Gray	5.0%	95.0%	<0.25% Chrysotile	

Client Sample ID: 115-Sheet Flooring **Lab Sample ID:** 042108508-0011

Sample Description: 3rd Floor Hall/Red Sheet Flooring

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/15/2021	Red	40.0%	60.0%	None Detected	

Client Sample ID: 115-Backing **Lab Sample ID:** 042108508-0011A

Sample Description: 3rd Floor Hall/Backing

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/15/2021	Brown	80.0%	20.0%	None Detected	

Client Sample ID: 116 **Lab Sample ID:** 042108508-0012

Sample Description: 2nd Floor Hall/Wire Wrap

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/15/2021	Brown/Black	80.0%	20.0%	None Detected	

Client Sample ID: 117 **Lab Sample ID:** 042108508-0013

Sample Description: 2nd Floor/Tan Floor Tile

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/15/2021	Tan	0.0%	98.0%	2% Chrysotile	

Client Sample ID: 118 **Lab Sample ID:** 042108508-0014

Sample Description: 2nd Floor/Black Mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/15/2021	Black	0.0%	100.0%	None Detected	



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EMSL Order ID: 042108508
Customer ID: SYNE50
Customer PO:
Project ID:

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: 119 **Lab Sample ID:** 042108508-0015

Sample Description: Basement Bath/Textured Base Plaster

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/15/2021	White	5.0%	95.0%	None Detected	

Client Sample ID: 120 **Lab Sample ID:** 042108508-0016

Sample Description: Basement Bath/Textured Base Plaster

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/15/2021	Tan	0.0%	100.0%	None Detected	

Client Sample ID: 121 **Lab Sample ID:** 042108508-0017

Sample Description: 1st Floor Bath/Blue 12 x 12 Floor Tile

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/15/2021	Blue	0.0%	100.0%	None Detected	

Client Sample ID: 122 **Lab Sample ID:** 042108508-0018

Sample Description: Basement Bath/Base Wall Material Plaster

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/15/2021	Tan	0.0%	100.0%	None Detected	

Client Sample ID: 123 **Lab Sample ID:** 042108508-0019

Sample Description: 1st Floor Conf Room/Gray Bottom Layer Floor Tile

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/15/2021	Gray	0.0%	97.0%	3% Chrysotile	

Client Sample ID: 124 **Lab Sample ID:** 042108508-0020

Sample Description: 1st Floor Conf Room/Black Mastic 123

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/15/2021	Black	5.0%	95.0%	None Detected	

Client Sample ID: 125 **Lab Sample ID:** 042108508-0021

Sample Description: 3rd Floor Front Center Room/Red Floor Tile

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/15/2021	Red	0.0%	95.0%	5% Chrysotile	

Client Sample ID: 126 **Lab Sample ID:** 042108508-0022

Sample Description: 3rd Floor Front Center Room/Black Mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/15/2021	Black	5.0%	95.0%	None Detected	



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EMSL Order ID: 042108508
Customer ID: SYNE50
Customer PO:
Project ID:

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: 127 **Lab Sample ID:** 042108508-0023

Sample Description: 1st Floor Entry to Conf Room Wall/Gray Bottom Layer Tile

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/15/2021					Positive Stop (Not Analyzed)

Client Sample ID: 128 **Lab Sample ID:** 042108508-0024

Sample Description: 1st Floor Entry to Conf Room Wall/Mastic a/w 127

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/15/2021	Black	5.0%	95.0%		None Detected

Analyst(s):

- Christina Maiorana 400 PLM Pt Ct (2)
- Gregory Barry PLM (2)
- Michelle Quach 400 PLM Pt Ct (1)
- Rachel Irwin PLM (20)

Reviewed and approved by:

Samantha Rundstrom, Laboratory Manager
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367, LA #04127

Report amended: 04/20/2021 11:39:00 Replaces initial report from: 04/15/2021 16:57:34 Reason Code: Client-Additional Analysis

0U2106908

Chain of Custody Transmittal – Asbestos Bulk Samples

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Project Name: MEYER'S BEE ANNEK (NOT SHOWING IN SITE) Project No. 632-221-2 Laboratory: EMSL
 Analysis: PLM Other Test Until Positive Per HMID Turnaround Time: 6 hour RUSH 24 hours 72 hours Other _____
 Samples Collected By: J. Fiorelli Date/Time 3/25/21 Transmitted to Lab By: [Signature] Date/Time 4/12/21
 Received in Lab By: [Signature] Date/Time 4/12/21 Received in Lab By: _____ Date/Time _____
 Report Results To: _____

Sample #	HMID	Lab Sample #	C/D	Material Description	Location
105	A-1		C	JOINT compound	1st fl conf room walls.
106	G-1		C	Thinset mortar w/cement	3rd fl BATH.
107	H-1		D	SKIN COAT WALL PLASTER	3rd fl
108	I-1		D	BASE COAT PLASTER	3rd floor.
109	G-1		C	Thinset mortar	3rd fl. BATH.
110	H-1		D	SKIN COAT PLASTER	3rd floor
111	I-1		D	BASE COAT PLASTER	3rd floor.
112	J-1		C	1x1' ceiling tile	Basement.
113	H-1		D	SKIN COAT PLASTER	2nd floor
114	I-1		D	BASE COAT PLASTER	2nd floor.
115	K-1		D	Red sheet floor	3rd fl HALL.
116	L-1		C	wire wrap	2nd fl HALL.
117	M-1		D	TAN floor tile	2nd fl
118	N-1		D	BLACK MASTIC w/ 117	2nd fl.
119-120	O-1 P-1		D	TEXTURED + BASE PLASTER	Basement BATH

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 EMSL
 CINNAMINSON, NJ
 21 APR 12 AM 10:47

[Signature]

HMID = Homogenous Material Identification
 C = Composite- Samples indicated as composite should be analyzed/reported as a single material.
 D = Discrete Stratum- Samples indicated as discrete stratum should be analyzed/reported by layer.

Page 1 of 4

OrderID: 042108508

042108508

Chain of Custody Transmittal – Asbestos Bulk Samples

228 Moore Street • Philadelphia, Pennsylvania 19148 • Phone 215-755-2305 • Fax 215-755-2405 • www.gosynertech.com • info@gosynertech.com

Project Name: MICHAEL'S REC. Project No. 632-221-2 Laboratory: EMSL
 Analysis: PLM Other Test Until Positive Per HMID Turnaround Time: 6 hour RUSH 24 hours 72 hours Other
 Samples Collected By: J. Fiolledo Date/Time 3/25/21 Transmitted to Lab By: JPF Date/Time 4/12/21
 Received in Lab By: _____ Date/Time _____ Received in Lab By: _____ Date/Time _____
 Report Results To: _____

Sample #	HMID	Lab Sample #	C/D	Material Description	Location
121	Q-1		C	BLUE 12x12 Floor Tile -	1 st FL BATHS.
122	R-1		C	BASE WALL MATHS/PLASTIC BASEMENT BATH.	
123	S-1		D	GREY BOTTOM LAYER floor tile.	1 st FL CONF ROOM
124	T-1		D	BLACK MASTIC ALW 124	↓ ↓
125	U-1		D	RED floor tiles	3 rd FL PLANT-CENTRAL R
126	V-1		D	BLACK MASTIC ALW 125.	↓ ↓
127	S-1		D	GREY BOTTOM LAYER floor tile.	1 st FL ENTRY TO CONF ROOM
128	T-1		D	MASTIC ALW 127	↓

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 21 APR 2021 10:47 AM

Page 2 of 4

HMID = Homogenous Material Identification
 C = Composite- Samples indicated as composite should be analyzed/reported as a single material.
 D = Discrete Stratum- Samples indicated as discrete stratum should be analyzed/reported by layer.

OrderID: 042108508



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Tel/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com> / cinnasblab@EMSL.com

EMSL Order: 042113723

Customer ID: SYNE50

Customer PO:

Project ID:

Attention: John Fiorelli
Synertech, Inc.
228 Moore Street
Philadelphia, PA 19148

Phone: (215) 755-2305

Fax: (215) 755-2405

Received Date: 06/09/2021 8:20 AM

Analysis Date: 06/12/2021 - 06/13/2021

Collected Date: 06/09/2021

Project: Francis Myers Rec / 632-221-2

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
01 042113723-0001	Annex - Front - Exterior Window Caulk	Gray Non-Fibrous Homogeneous	HA: A	94% Non-fibrous (Other)	6% Chrysotile
02 042113723-0002	Annex - Front - Exterior Window Caulk	Gray Non-Fibrous Homogeneous	HA: A	97% Non-fibrous (Other)	3% Chrysotile
03 042113723-0003	Annex - Front - Exterior Glazing	White Non-Fibrous Homogeneous	HA: B	100% Non-fibrous (Other)	None Detected
04 042113723-0004	Annex - Front - Exterior Glazing	White Non-Fibrous Homogeneous	HA: B	100% Non-fibrous (Other)	None Detected
05 042113723-0005	Main Bldg - Reading Room - Exterior Window Caulk	Gray/Tan Non-Fibrous Homogeneous	HA: C	94% Non-fibrous (Other)	6% Chrysotile
06 042113723-0006	Main Bldg 1st Floor Reading Room - Exterior Glazing	White Non-Fibrous Homogeneous	HA: D	100% Non-fibrous (Other)	None Detected
07 042113723-0007	Main Bldg 2nd Floor Bath - Exterior Glazing	White Non-Fibrous Homogeneous	HA: D	100% Non-fibrous (Other)	None Detected
08 042113723-0008	Computer Room - Interior Window Caulk	Gray Non-Fibrous Homogeneous	HA: E	100% Non-fibrous (Other)	None Detected

Analyst(s)

Andrew Borsos (5)

Shelby Baker (3)

Samantha Rundstrom, Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367, LA #04127

Initial report from: 06/13/2021 08:41:31

Chain of Custody Transmittal – Asbestos Bulk Samples

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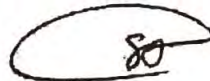
Project Name: FRANCIS WYENS MCL Project No. 632-221-2 Laboratory: ENSL
 Analysis: APLM Other _____ Test Until Positive Per HMD Turnaround Time: 6 hour RUSH 24 hours 72 hours Other _____
 Samples Collected By: J. F. [Signature] Date/Time 06/08/21 Transmitted to Lab By: J. F. [Signature] Date/Time 06/09/21
 Received in Lab By: [Signature] DR Date/Time 06/09/21 820 Received in Lab By: _____ Date/Time _____
 Report Results To: _____

Sample #	HMID	Lab Sample #	C/D	Material Description	Location
127	W-1		C	EXTERIOR window CAULK	ANNEX - FLOOR
128	W-1		C		
129	X-1		C	EXTERIOR GLAZING	
130	X-1		C		MAIN BLDG - READING RM
131	W-1		C	EXTERIOR window CAULK	
132	X-1		C	EXTERIOR GLAZING	MAIN BLDG 2nd FL READING
133	X-1		C		2nd FL BATH
134	X-1		C	INTERIOR window CAULK	COMPUTER RM.

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 ENSL
 DINNAMINSON, N.J.
 2021 JUN -9 AM 8:20

OrderID: 042113723

HMID = Homogenous Material Identification
 C = Composite- Samples indicated as composite should be analyzed/reported as a single material.
 D = Discrete Stratum- Samples indicated as discrete stratum should be analyzed/reported by layer.



Attachment #2

Philadelphia Asbestos Inspection Report (AIR)



City of Philadelphia - Department of Public Health
Air Management Services, 2nd Fl. Asbestos Control Unit
321 University Ave. Philadelphia, PA 19104

Office Use Only

Date Received L&I:

Date Received AMS:

Date Inspected

Inspector No.

Asbestos Inspection Report

1. Name of Building / Property: _____ Address _____

2. Name of Building / Property Owner: _____ Address _____ Phone No. _____

3. Name of Philadelphia Certified Investigator: _____ Certification No. _____ Contact Information / Email / Phone No. _____

L&I Commercial Activity No. (Former Business Privilege License No.) _____ Business Tax ID No. _____

4. Name of Philadelphia Licensed Laboratory: _____ License No. _____ Phone No. _____

5. Scope of Work: (Insert or attach a complete description of the portion of the subject property inspected and the anticipated work that will result in the disturbance of the identified Asbestos Containing Materials (ACMs) (e.g. demolition, asbestos abatement, and / or renovation activities.)

6. Property has been declared to be in imminent danger (ID) of failure or collapse by the City of Philadelphia Department of Licenses & Inspections. Attached is a copy of the L&I Notice of Violation declaring the property I.D. ****Note: INVESTIGATOR MUST BE ON SITE DURING DEMOLITION!**

7. (ACMs) identified? Yes (List Below) No (explain)

8. Suspected ACM's sampled? Yes (attached are copies of the laboratory chain of custody and bulk sample results.) No (Why?)

9. List all identified ACM's located in the planned renovation/demolition areas. Damaged ACM must be listed and then repaired or removed prior to renovation. You (Investigator) must label all ACM that may be left in the work area. (Attached are add'tl sheets)

Location	Description	Type (Code 1)	Amount		Condition (Code 2)	Action (Code 3)
			Square	Linear		

Code 1

FRI - Friable
NF1 - Non-Friable, Cat. 1
NF2 - Non-Friable, Cat. 2

Code 2

DD - Deteriorated or Delaminated
ND - Non-Damaged

Code 3

REM - Removal necessary prior to Demo/Reno
NRN - No removal necessary, label ACM
REP - Repair & Label ACM, removal not necessary

10. I hereby certify that the foregoing statements are true and the information contained in this report is true. This certification is made subject to the penalties set forth in 18 PA. C.S. S4904 relating to unsworn falsification to authorities. Furthermore I certify that the inspection, sampling, and labeling requirements of section X of the Asbestos Control Regulation (ACR) have been met. The building owner has been notified of the ACR requirements and given a copy of this report. If the inspection has revealed ACM which will be disturbed by the proposed work or if it has revealed ACM in bad condition, the building owner has been notified to remove or repair the ACM in accordance with the ACR prior to renovation or demolition activity.

11. Signature of Certified Asbestos Investigator: _____ Date: Revised 06/25/21 Signature of Building Owner: _____ Date: _____

John Farrell



Asbestos Inspection Report

9. List Asbestos Containing Material (ACM) located in the planned renovation/demolition area(s). Damaged ACM must be listed and then repaired or removed prior to renovation. You (Investigator) must label all ACM that may be left in the work area.

Q/U = Quantity Undetermined

Location	Description	Type (Code 1)	Amount		Condition (Code 2)	Action (Code 3)
			Square	Linear		
Basement						
Large Center Open Area	Asbestos Containing Pipe & Pipe Fitting Insulation (ACPI/ACPFs)	FRI		245	DD	REM
Large East Area "Wing" below Auditorium	Asbestos Containing Pipe & Pipe Fitting Insulation (ACPI/ACPFs)	FRI		35	DD	REM
South Equip. Storage Rm. ("Harry's Room")	Asbestos Containing Pipe & Pipe Fitting Insulation (ACPI/ACPFs)	FRI		15	DD	REM
Common Hall o/s North Stairs	Asbestos Containing Pipe & Pipe Fitting Insulation (ACPI/ACPFs)	FRI		5	DD	REM
Various Crawlspace	Asbestos Containing Pipe & Pipe Fitting Insulation (ACPI/ACPFs)	FRI		QU	N/A	REM
1st Floor						
Gymnasium (assumed to be present)	Vapor Barrier/Mastic below Gym Floor	NF1	5,670		ND	REM
NE Community Room (adj. to Exit Stairs)	Asbestos Containing Vinyl Floor Tile below Non-Asbestos Tile and Plywood	NF1	310		ND	REM
All Common Halls	Asbestos Containing Vinyl Floor Tile below Non-Asbestos Tile and Plywood	NF1	960		ND	REM
Office adj. Community Room & Closets	Asbestos Containing Vinyl Floor Tile below Non-Asbestos Tile and Plywood	NF1	170		ND	REM
	Radiator heat Shield Insulation (ASSUMED to be present behind radiator)	FRI	16		ND	REM
North Office Areas & Closets	Asbestos Containing Vinyl Floor Tile below Non-Asbestos Tile and Plywood	NF1	456		ND	REM
North Storage adj. to Exit Stairs	Top Layer Asbestos Containing Vinyl Floor Tile below Plywood	NF1	120		DD	REM
	Radiator heat Shield Insulation (ASSUMED to be present behind radiator)	FRI	16		ND	REM

Signature of Certified Asbestos Investigator: *John Fowler* Date: 01/21/2020
 Revised on 06/25/21

Signature of Building Owner: _____ Date: _____



9. List Asbestos Containing Material (ACM) located in the planned renovation/demolition area(s). Damaged ACM must be listed and then repaired or removed prior to renovation. You (Investigator) must label all ACM that may be left in the work area.

Q/U = Quantity Undetermined

Location	Description	Type (Code 1)	Amount		Condition (Code 2)	Action (Code 3)
			Square	Linear		
Storage Rm. Adj. Large Auditorium	Asbestos Containing Vinyl Floor Tile below Non-Asbestos Tile and Plywood	NF1	168		ND	REM
Game Room adj. Gym	Asbestos Containing adhesive a/w 1'x1' Ceiling Tile (ASSUMED to be present-inaccessible - heights)	NF1	450		ND	REM
South Stair Landings	Asbestos Containing Vinyl Floor Tile	NF1	180		ND	REM
2nd Floor						
Throughout	ACPI (ASSUMED to be present inside of wall and ceiling cavities)	FRI		QU	N/A	REM
North Corner Office/Room	Asbestos Containing Vinyl Floor Tile	NF1	315		ND	REM
Large Open Area & Halls o/s Kitchen & Storage Rooms	Asbestos Containing Vinyl Floor Tile below Non Asbestos Floor Tile	NF1	510		ND	REM
Kitchen	Asbestos Containing Vinyl Floor Tile below Non Asbestos Floor Tile	NF1	130		ND	REM
Storage Rm. across from Kitchen	Asbestos Containing Vinyl Floor Tile below Non Asbestos Floor Tile	NF1	110		ND	REM
Main Large Hallway	Asbestos Containing Vinyl Floor Tile below Non-Asbestos Tile and Plywood	NF1	580		ND	REM
SW Library Room	Asbestos Containing Vinyl Floor Tile below Non-Asbestos Tile and Plywood	NF1	750		ND	REM
Dance Studio	Asbestos Containing Vinyl Floor Tile below Non-Asbestos Tile and Plywood	NF1	705		ND	REM
Common Area o/s NE Bathrooms	Asbestos Containing Vinyl Floor Tile	NF1	40		ND	REM
Throughout	ACPI (ASSUMED to be present inside of wall and ceiling cavities)	FRI		QU	N/A	REM
Exterior						
Cementitious Roof Shingles	Cementitious Roof Shingles	NF1/NF2	10,756		ND	REM
Gym	Roofing Materials	NF1	6,170		ND	REM
Exterior	NF2	NF2	15 Windows (165 linear feet total)		DD	REM



Asbestos Inspection Report

9. List Asbestos Containing Material (ACM) located in the planned renovation/demolition area(s). Damaged ACM must be listed and then repaired or removed prior to renovation. You (Investigator) must label all ACM that may be left in the work area.

Q/U = Quantity Undetermined

Location	Description	Type (Code 1)	Amount		Condition (Code 2)	Action (Code 3)
			Square	Linear		
Annex Areas						
1st Floor						
Throughout – All Rooms/Areas	Asbestos Containing Vinyl Floor Tile below Non Asbestos Floor Tile	NF1	1,958		ND	REM
2nd Floor						
Throughout – All Rooms/Areas & Stairwell Landings (except Bathrooms)	Tan 9”x 9” Asbestos Containing Vinyl Floor Tile	NF1	1,800		DD	REM
3rd Floor						
Front-Center Room	Red 9”x 9” Asbestos Containing Vinyl Floor Tile	NF1	270		ND	REM
Exterior						
Exterior	Roofing Materials (ASSUMED)	NF1/NF2	3,000		ND	REM
	Window Caulk	NF2	6 Windows (90 linear feet total)		DD	REM

Signature of Certified Asbestos Investigator:

Date: 01/21/2020

Revised on 06/25/21

Signature of Building Owner:

Date:

Attachment #3

XRF Data Spreadsheets



Lead Based Paint Testing Data - XRF Results

Project Name & Number: Francis Myers Recreation Center; 632-221

Client Name: Duffield Associates

Inspector & Dates: John P. Fiorelli, December 10, 2019 (Interior) & January 15, 2020 (Playground, Pool & Exterior)

Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Results	mg/cm ²
1	SHUTTER_CALIBRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5.24
2	CALIBRATION FILM	N/A	N/A	N/A	N/A	N/A	N/A	Positive	4.3
3	CALIBRATION FILM	N/A	N/A	N/A	N/A	N/A	N/A	Positive	1.4
4	CALIBRATION FILM	N/A	N/A	N/A	N/A	N/A	N/A	Positive	1.7
5	CALIBRATION FILM	N/A	N/A	N/A	N/A	N/A	N/A	Positive	1.5
6	CALIBRATION FILM	N/A	N/A	N/A	N/A	N/A	N/A	Positive	1.6
7	CALIBRATION FILM	N/A	N/A	N/A	N/A	N/A	N/A	Negative	0.28
8	CALIBRATION FILM	N/A	N/A	N/A	N/A	N/A	N/A	Negative	0.3
9	CALIBRATION FILM	N/A	N/A	N/A	N/A	N/A	N/A	Positive	0.8
10	CALIBRATION FILM	N/A	N/A	N/A	N/A	N/A	N/A	Positive	1.1
11	CALIBRATION FILM	N/A	N/A	N/A	N/A	N/A	N/A	Positive	0.7
12	WALL	PLASTER	A	FAIR	GREEN	SECOND	HALL	Negative	0.06
13	WALL	PLASTER	B	FAIR	GREEN	SECOND	HALL	Positive	6.4
14	WALL	PLASTER	D	FAIR	GREEN	SECOND	HALL	Negative	0
15	WALL	PLASTER	D	FAIR	GREEN	SECOND	HALL	Positive	3
16	CEILING	PLASTER	N/A	FAIR	GREEN	SECOND	HALL	Negative	0
17	CEILING	PLASTER	N/A	FAIR	GREEN	SECOND	HALL	Negative	0
18	CEILING	PLASTER	N/A	FAIR	GREEN	SECOND	HALL	Positive	6.9
19	BASEBOARD	WOOD	B	POOR	PINK	SECOND	HALL	Negative	0
20	BASEBOARD	WOOD	B	POOR	PINK	SECOND	HALL	Negative	0
21	BASEBOARD	WOOD	D	POOR	PINK	SECOND	HALL	Negative	0
22	CHAIR RAIL	WOOD	D	POOR	PINK	SECOND	HALL	Negative	0
23	WAINSCOT	WOOD	D	POOR	WHITE	SECOND	HALL	Negative	0



Lead Based Paint Testing Data - XRF Results

Project Name & Number: Francis Myers Recreation Center; 632-221

Client Name: Duffield Associates

Inspector & Dates: John P. Fiorelli, December 10, 2019

Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Results	mg/cm ²
24	DOOR FRAME	METAL	A	POOR	PINK	SECOND	HALL	Negative	0
25	DOOR	METAL	A	POOR	PINK	SECOND	HALL	Negative	0
26	RADIATOR	METAL	B	POOR	WHITE	SECOND	HALL	Negative	0
27	WINDOW FRAME	WOOD	B	POOR	PINK	SECOND	HALL	Negative	0
28	WINDOW SASH	WOOD	B	POOR	PINK	SECOND	HALL	Negative	0
29	DUCT	METAL	N/A	INTACT	GREEN	SECOND	HALL	Negative	0
30	WALL	PLASTER	A	INTACT	BLUE	SECOND	LIBRARY	Negative	0.19
31	WALL	PLASTER	A	INTACT	BLUE	SECOND	LIBRARY	Negative	0.24
32	WALL	PLASTER	A	INTACT	BLUE	SECOND	LIBRARY	Positive	10.9
33	WALL	PLASTER	B	INTACT	TAN	SECOND	LIBRARY	Positive	8
34	WALL	PLASTER	D	CRACKED	TAN	SECOND	LIBRARY	Positive	9.3
35	BASEBOARD	WOOD	D	POOR	BROWN	SECOND	LIBRARY	Negative	0
36	RADIATOR	METAL	C	POOR	BROWN	SECOND	LIBRARY	Negative	0
37	LARGE WINDOW FRAME	WOOD	C	POOR	TAN	SECOND	LIBRARY	Negative	0.23
38	LARGE WINDOW CASING	WOOD	C	POOR	TAN	SECOND	LIBRARY	Negative	0.12
39	WALL	DRYWALL	C	POOR	TAN	SECOND	LIBRARY	Negative	0
40	DOOR FRAME	METAL	A	POOR	BROWN	SECOND	LIBRARY	Negative	0
41	WALL	PLASTER	A	POOR	GREEN	SECOND	DANCE STUDIO	Negative	0
42	WALL	PLASTER	A	POOR	GREEN	SECOND	DANCE STUDIO	Negative	0
43	WALL	PLASTER	A	POOR	GREEN	SECOND	DANCE STUDIO	Negative	0
44	WALL	PLASTER	A	POOR	GREEN	SECOND	DANCE STUDIO	Negative	0
45	WALL	PLASTER	A	POOR	GREEN	SECOND	DANCE STUDIO	Negative	0
46	BASEBOARD	WOOD	A	POOR	GREEN	SECOND	DANCE STUDIO	Negative	0



Lead Based Paint Testing Data - XRF Results

Project Name & Number: Francis Myers Recreation Center; 632-221

Client Name: Duffield Associates

Inspector & Dates: John P. Fiorelli, December 10, 2019

Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Results	mg/cm ²
47	WALL	PLASTER	D	POOR	orange	SECOND	DANCE STUDIO	Negative	0
48	WALL	PLASTER	D	POOR	orange	SECOND	DANCE STUDIO	Negative	0
49	WALL	PLASTER	C	POOR	orange	SECOND	DANCE STUDIO	Negative	0.13
50	WALL	PLASTER	C	POOR	orange	SECOND	DANCE STUDIO	Negative	0.21
51	WALL	PLASTER	C	POOR	orange	SECOND	DANCE STUDIO	Negative	0
52	LARGE WINDOW SILL	WOOD	C	POOR	BLUE	SECOND	DANCE STUDIO	Negative	0
53	LARGE WINDOW APRON	WOOD	C	POOR	BLUE	SECOND	DANCE STUDIO	Negative	0
54	RADIATOR	METAL	C	POOR	TAN	SECOND	DANCE STUDIO	Negative	0
55	WOOD WALL	WOOD	C	POOR	GREEN	SECOND	DANCE STUDIO	Negative	0.23
56	WALL	PLASTER	B	POOR	PINK	SECOND	DANCE STUDIO	Negative	0.25
57	WALL	PLASTER	B	POOR	PINK	SECOND	DANCE STUDIO	Negative	0.27
58	WALL	DRYWALL	C	POOR	GREEN	SECOND	DANCE STUDIO	Negative	0
59	CABINET	WOOD	D	POOR	WHITE	SECOND	DANCE STUDIO	Negative	0.3
60	CABINET	WOOD	D	POOR	WHITE	SECOND	DANCE STUDIO	Negative	0
61	CLOSET DOOR FRAME	WOOD	D	POOR	or	SECOND	DANCE STUDIO	Negative	0
62	CLOSET DOOR CASING	WOOD	D	POOR	or	SECOND	DANCE STUDIO	Negative	0
63	DOOR FRAME	METAL	A	POOR	GREEN	SECOND	DANCE STUDIO	Negative	0
64	DOOR	WOOD	A	POOR	GREEN	SECOND	DANCE STUDIO	Negative	0
65	WALL TILE	CERAMIC	C	INTACT	GREEN	SECOND	HALL UTILITY CLOSET	Positive	4.7
66	DRAIN PIPE	METAL	A	POOR	WHITE	SECOND	HALL UTILITY CLOSET	Positive	5.5
67	WALL	PLASTER	A	POOR	WHITE	SECOND	HALL UTILITY CLOSET	Negative	0
68	WALL	PLASTER	A	POOR	WHITE	SECOND	COMMON O/S BATHROOMS	Negative	0
69	WALL	PLASTER	B	POOR	WHITE	SECOND	COMMON O/S BATHROOMS	Positive	25.9



Lead Based Paint Testing Data - XRF Results

Project Name & Number: Francis Myers Recreation Center; 632-221

Client Name: Duffield Associates

Inspector & Dates: John P. Fiorelli, December 10, 2019 (Interior) & January 15, 2020 (Playground, Pool & Exterior)

Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Results	mg/cm ²
70	WALL	PLASTER	A	POOR	WHITE	SECOND	COMMON O/S BATHROOMS	Positive	25.8
71	CHAIR RAIL	WOOD	A	POOR	BROWN	SECOND	COMMON O/S BATHROOMS	Positive	3.8
72	CHAIR RAIL	WOOD	B	POOR	BROWN	SECOND	COMMON O/S BATHROOMS	Positive	5.6
73	WAINSCOT	WOOD	A	POOR	WHITE	SECOND	COMMON O/S BATHROOMS	Positive	2.7
74	WAINSCOT	WOOD	B	POOR	WHITE	SECOND	COMMON O/S BATHROOMS	Positive	5.1
75	WAINSCOT	WOOD	B	POOR	WHITE	SECOND	EAST BATHROOM	Positive	30.3
76	WAINSCOT	WOOD	B	POOR	WHITE	SECOND	EAST BATHROOM	Positive	3.4
77	CHAIR RAIL MOLDING	WOOD	B	POOR	WHITE	SECOND	EAST BATHROOM	Positive	2.5
78	WINDOW SILL	WOOD	C	POOR	WHITE	SECOND	EAST BATHROOM	Positive	2.2
79	PIPE	METAL	B	POOR	WHITE	SECOND	EAST BATHROOM	Negative	0.26
80	PIPE	METAL	B	POOR	WHITE	SECOND	EAST BATHROOM	Negative	0.29
81	WINDOW FRAME	WOOD	C	POOR	BROWN	SECOND	EAST BATHROOM	Positive	1.4
82	WINDOW SASH	WOOD	C	PEELING	BROWN	SECOND	EAST BATHROOM	Positive	2.3
83	RADIATOR	METAL	C	PEELING	BROWN	SECOND	EAST BATHROOM	Negative	0
84	DOOR FRAME	WOOD	A	POOR	BROWN	SECOND	EAST BATHROOM	Negative	0
85	DOOR CASING	WOOD	A	POOR	BROWN	SECOND	EAST BATHROOM	Negative	0
86	DOOR	WOOD	A	POOR	BROWN	SECOND	EAST BATHROOM	Negative	0
87	WALL	PLASTER	A	FAIR	WHITE	SECOND	NORTH STAIRS	Positive	6
88	WALL	PLASTER	A	FAIR	WHITE	SECOND	NORTH STAIRS	Positive	6.7
89	WAINSCOT	WOOD	C	FAIR	WHITE	SECOND	NORTH STAIRS	Negative	0
90	WAINSCOT	WOOD	C	FAIR	WHITE	SECOND	NORTH STAIRS	Negative	0
91	BASEBOARD	WOOD	C	POOR	WHITE	SECOND	NORTH STAIRS	Negative	0
92	STAIR STRINGER	WOOD	C	POOR	BLOCK	SECOND	NORTH STAIRS	Negative	0



Lead Based Paint Testing Data - XRF Results

Project Name & Number: Francis Myers Recreation Center; 632-221

Client Name: Duffield Associates

Inspector & Dates: John P. Fiorelli, December 10, 2019 (Interior) & January 15, 2020 (Playground, Pool & Exterior)

Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Results	mg/cm ²
93	STAIR RAILING	WOOD	A	POOR	BLUE	SECOND	NORTH STAIRS	Negative	0
94	CHAIR RAIL MOLDING	WOOD	A	POOR	WHITE	SECOND	NORTH STAIRS	Negative	0
95	WALL	PLASTER	A	POOR	WHITE	SECOND	NE ROOM	Negative	0
96	WALL	PLASTER	A	POOR	WHITE	SECOND	NE ROOM	Positive	26.2
97	WALL	PLASTER	C	POOR	WHITE	SECOND	NE ROOM	Negative	0
98	WALL	PLASTER	C	POOR	WHITE	SECOND	NE ROOM	Positive	29.4
99	BASEBOARD	WOOD	C	POOR	BROWN	SECOND	NE ROOM	Negative	0
100	BASEBOARD	WOOD	A	POOR	WHITE	SECOND	NE ROOM	Positive	9
101	WINDOW SILL	WOOD	B	PEELING	BROWN	SECOND	NE ROOM	Negative	0.1
102	WINDOW SILL	WOOD	B	PEELING	BROWN	SECOND	NE ROOM	Negative	0.14
103	WINDOW SILL	WOOD	B	PEELING	BROWN	SECOND	NE ROOM	Negative	0.27
104	WINDOW APRON	WOOD	B	PEELING	BROWN	SECOND	NE ROOM	Positive	17.8
105	WINDOW FRAME	WOOD	B	PEELING	BROWN	SECOND	NE ROOM	Positive	12.7
106	WINDOW CASING	WOOD	B	PEELING	BROWN	SECOND	NE ROOM	Positive	11.3
107	WINDOW SASH	WOOD	B	PEELING	BROWN	SECOND	NE ROOM	Negative	0.4
108	RADIATOR	METAL	B	POOR	BROWN	SECOND	NE ROOM	Negative	0
109	DOOR FRAME	WOOD	A	POOR	BROWN	SECOND	NE ROOM	Negative	0.3
110	DOOR CASING	WOOD	A	POOR	BROWN	SECOND	NE ROOM	Negative	0
111	DOOR	WOOD	A	POOR	BROWN	SECOND	NE ROOM	Negative	0
112	CEILING	PLASTER	N/A	PEELING	TAN	SECOND	NE ROOM	Positive	27.5
113	CLOSET BASEBOARD	WOOD	A	POOR	BROWN	SECOND	NE ROOM	Negative	0.4
114	CLOSET DOOR FRAME	WOOD	D	POOR	BROWN	SECOND	NE ROOM	Negative	0
115	CLOSET DOOR CASING	WOOD	D	POOR	BROWN	SECOND	NE ROOM	Negative	0



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Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Results	mg/cm ²
116	CLOSET DOOR	WOOD	D	POOR	BROWN	SECOND	NE ROOM	Negative	0
117	DUCT	METAL	N/A	INTACT	TAN	SECOND	NE ROOM	Negative	0
118	WALL TILE	CERAMIC	A	INTACT	YELLOW	SECOND	NORTH BATHROOM	Negative	0
119	WINDOW FRAME	WOOD	C	INTACT	WHITE	SECOND	NORTH BATHROOM	Negative	0.3
120	WINDOW SASH	WOOD	C	INTACT	WHITE	SECOND	NORTH BATHROOM	Negative	0.23
121	WALL	PLASTER	D	INTACT	WHITE	SECOND	NORTH BATHROOM	Negative	0
122	WALL	PLASTER	D	INTACT	WHITE	SECOND	NORTH BATHROOM	Negative	0
123	WALL	PLASTER	C	PEELING	WHITE	SECOND	NORTH BATHROOM	Negative	0
124	RADIATOR	METAL	D	POOR	WHITE	SECOND	NORTH BATHROOM	Negative	0
125	DOOR FRAME	WOOD	A	POOR	BROWN	SECOND	NORTH BATHROOM	Negative	0.14
126	DOOR CASING	WOOD	A	POOR	WHITE	SECOND	NORTH BATHROOM	Negative	0
127	DOOR	WOOD	A	POOR	WHITE	SECOND	NORTH BATHROOM	Negative	0
128	WALL	PLASTER	A	POOR	WHITE	SECOND	NORTH ROOM	Negative	0
129	WALL	PLASTER	A	POOR	WHITE	SECOND	NORTH ROOM	Negative	0
130	WALL	PLASTER	C	POOR	WHITE	SECOND	NORTH ROOM	Positive	22
131	WINDOW SILL	WOOD	C	POOR	WHITE	SECOND	NORTH ROOM	Negative	0
132	WINDOW APRON	WOOD	C	POOR	WHITE	SECOND	NORTH ROOM	Negative	0
133	WINDOW FRAME	WOOD	C	POOR	WHITE	SECOND	NORTH ROOM	Negative	0.11
134	RADIATOR	METAL	C	POOR	BROWN	SECOND	NORTH ROOM	Negative	0
135	BASEBOARD	WOOD	B	POOR	BROWN	SECOND	NORTH ROOM	Negative	0.4
136	BASEBOARD	WOOD	A	POOR	BROWN	SECOND	NORTH ROOM	Positive	0.8
137	CEILING	WOOD	N/A	POOR	WHITE	SECOND	NORTH ROOM	Positive	33
138	CLOSET WALL	PLASTER	D	POOR	TAN	SECOND	NORTH ROOM	Positive	36.4



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Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Results	mg/cm ²
139	CLOSET WALL	PLASTER	D	POOR	TAN	SECOND	NORTH ROOM	Positive	35.8
140	CLOSET SHELF SUPPORT	WOOD	D	POOR	WHITE	SECOND	NORTH ROOM	Negative	0
141	CLOSET SHELF	WOOD	D	POOR	BROWN	SECOND	NORTH ROOM	Positive	1.6
142	CLOSET DOOR CASING	WOOD	D	POOR	BROWN	SECOND	NORTH ROOM	Negative	0
143	CLOSET BASEBOARD	WOOD	D	POOR	BROWN	SECOND	NORTH ROOM	Negative	0
144	WINDOW CASING	WOOD	C	POOR	WHITE	SECOND	NORTH ROOM	Negative	0
145	WALL	PLASTER	B	POOR	WHITE	SECOND	OPEN AREA O/S KITCHEN	Negative	0
146	WALL	PLASTER	B	POOR	WHITE	SECOND	OPEN AREA O/S KITCHEN	Positive	13.2
147	WINDOW SILL	WOOD	C	POOR	WHITE	SECOND	OPEN AREA O/S KITCHEN	Negative	0
148	WINDOW SILL	WOOD	C	POOR	WHITE	SECOND	OPEN AREA O/S KITCHEN	Negative	0
149	WINDOW FRAME	WOOD	C	POOR	WHITE	SECOND	OPEN AREA O/S KITCHEN	Negative	0
150	RADIATOR	METAL	C	POOR	BROWN	SECOND	OPEN AREA O/S KITCHEN	Negative	0
151	CEILING	PLASTER	N/A	POOR	WHITE	SECOND	OPEN AREA O/S KITCHEN	Positive	15.8
152	BASEBOARD	WOOD	B	POOR	BROWN	SECOND	OPEN AREA O/S KITCHEN	Negative	0
153	BASEBOARD	WOOD	A	POOR	BROWN	SECOND	OPEN AREA O/S KITCHEN	Negative	0
154	BASEBOARD	WOOD	D	POOR	BROWN	SECOND	OPEN AREA O/S KITCHEN	Negative	0
155	CEILING	WOOD	N/A	PEELING	WHITE	SECOND	KITCHEN	Negative	0
156	WINDOW SILL	WOOD	C	INTACT	PINK	SECOND	KITCHEN	Negative	0
157	WINDOW APRON	WOOD	C	INTACT	PINK	SECOND	KITCHEN	Negative	0
158	CABINET	WOOD	A	INTACT	BLACK	SECOND	KITCHEN	Negative	0
159	WALL	PLASTER	A	POOR	WHITE	SECOND	AREA BY STORAGE ROOM	Negative	0
160	WALL	PLASTER	A	POOR	WHITE	SECOND	AREA BY STORAGE ROOM	Negative	0
161	WALL	PLASTER	B	POOR	WHITE	SECOND	AREA BY STORAGE ROOM	Negative	0



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Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Results	mg/cm ²
162	SHELF SUPPORT	WOOD	B	POOR	WHITE	SECOND	AREA BY STORAGE ROOM	Negative	0
163	SHELF SUPPORT	WOOD	B	POOR	WHITE	SECOND	AREA BY STORAGE ROOM	Negative	0
164	DOOR FRAME	WOOD	A	POOR	BROWN	SECOND	AREA BY STORAGE ROOM	Positive	0.8
165	DOOR CASING	WOOD	A	POOR	BROWN	SECOND	AREA BY STORAGE ROOM	Negative	0
166	DOOR	WOOD	A	POOR	BROWN	SECOND	AREA BY STORAGE ROOM	Negative	0
167	DOOR FRAME	WOOD	B	POOR	BROWN	SECOND	AREA BY STORAGE ROOM	Negative	0
168	DOOR CASING	WOOD	B	POOR	BROWN	SECOND	AREA BY STORAGE ROOM	Negative	0
169	CABINET	WOOD	C	POOR	WHITE	SECOND	AREA BY STORAGE ROOM	Negative	0.2
170	BASEBOARD	WOOD	D	POOR	BROWN	SECOND	AREA BY STORAGE ROOM	Negative	0.21
171	WALL	PLASTER	B	PEELING	TAN	SECOND	SOUTH STAIRS	Negative	0.04
172	WALL	PLASTER	B	PEELING	TAN	SECOND	SOUTH STAIRS	Negative	0
173	WALL	PLASTER	B	PEELING	TAN	SECOND	SOUTH STAIRS	Positive	25.9
174	WALL	PLASTER	B	PEELING	TAN	SECOND	SOUTH STAIRS	Positive	23.6
175	CEILING	PLASTER	N/A	PEELING	TAN	SECOND	SOUTH STAIRS	Positive	26.8
176	WALL	BLOCK	A	INTACT	TAN	FIRST	GYM	Negative	0
177	FLOOR	WOOD	N/A	INTACT	SHELAC	FIRST	GYM	Negative	0
178	FLOOR	WOOD	N/A	INTACT	SHELAC	FIRST	GYM	Negative	0
179	FLOOR	WOOD	N/A	INTACT	BLACK	FIRST	GYM	Negative	0
180	COLUMN	METAL	N/A	POOR	WHITE	FIRST	GYM	Negative	0
181	BENCH	WOOD	A	POOR	GREY	FIRST	GYM	Negative	0
182	BENCH	WOOD	A	POOR	GREY	FIRST	GYM	Negative	0
183	BASEBOARD	RUBBER	A	POOR	BLACK	FIRST	GYM	Negative	0
184	STAIR	CONCRETE	A	POOR	GREY	FIRST	GYM	Negative	0



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Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Results	mg/cm ²
185	DOOR FRAME	METAL	A	POOR	GREY	FIRST	GYM	Negative	0
186	DOOR	METAL	A	POOR	GREY	FIRST	GYM	Negative	0
187	WALL	PLASTER	B	POOR	BLUE	FIRST	BATHROOM NEAR GYM	Negative	0
188	WALL	PLASTER	B	POOR	BLUE	FIRST	BATHROOM NEAR GYM	Negative	0
189	WALL	PLASTER	B	POOR	BLUE	FIRST	BATHROOM NEAR GYM	Negative	0
190	WALL TILE	CERAMIC	A	POOR	BLUE	FIRST	BATHROOM NEAR GYM	Negative	0
191	STALL DIVIDER	METAL	A	POOR	BROWN	FIRST	BATHROOM NEAR GYM	Negative	0
192	RADIATOR	METAL	C	POOR	WHITE	FIRST	BATHROOM NEAR GYM	Negative	0
193	DOOR FRAME	METAL	A	POOR	BLUE	FIRST	BATHROOM NEAR GYM	Negative	0
194	WALL	PLASTER	B	POOR	WHITE	FIRST	LARGE GAME ROOM	Negative	0.4
195	WALL	PLASTER	B	POOR	WHITE	FIRST	LARGE GAME ROOM	Negative	0.29
196	WALL	DRYWALL	B	POOR	WHITE	FIRST	LARGE GAME ROOM	Negative	0
197	WALL	BLOCK	D	POOR	WHITE	FIRST	LARGE GAME ROOM	Negative	0
198	RADIATOR	METAL	D	POOR	BLUE	FIRST	LARGE GAME ROOM	Negative	0
199	WALL	PLASTER	D	POOR	WHITE	FIRST	LARGE GAME ROOM	Positive	1.1
200	WALL	PLASTER	D	POOR	WHITE	FIRST	LARGE GAME ROOM	Positive	0.9
201	FLOOR	WOOD	N/A	POOR	TAN	FIRST	LARGE GAME ROOM	Negative	0
202	DOOR FRAME	WOOD	C	POOR	BLUE	FIRST	LARGE GAME ROOM	Positive	0.7
203	DOOR CASING	WOOD	C	POOR	BLUE	FIRST	LARGE GAME ROOM	Negative	0
204	DOOR	WOOD	C	POOR	BLUE	FIRST	LARGE GAME ROOM	Positive	1.2
205	CHAIR RAIL	WOOD	C	POOR	WHITE	FIRST	LARGE GAME ROOM	Positive	0.8
206	CEILING	WOOD	N/A	PEELING	WHITE	FIRST	NORTH COMMON AREA	Positive	1
207	WALL	PLASTER	A	INTACT	BLUE	FIRST	NORTH COMMON AREA	Negative	0



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Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Results	mg/cm ²
208	WALL	PLASTER	A	INTACT	BLUE	FIRST	NORTH COMMON AREA	Positive	2.1
209	WALL	PLASTER	B	FAIR	BLUE	FIRST	NORTH COMMON AREA	Positive	1.1
210	WALL	PLASTER	C	FAIR	BLUE	FIRST	NORTH COMMON AREA	Negative	0
211	WOOD WALL	WOOD	D	FAIR	BLUE	FIRST	NORTH COMMON AREA	Negative	0
212	WALL	PLASTER	C	FAIR	BLUE	FIRST	HALL BY BASEMENT STAIRS	Positive	8.7
213	WAINSCOT	WOOD	C	FAIR	BLUE	FIRST	HALL BY BASEMENT STAIRS	Positive	1.2
214	CHAIR RAIL	WOOD	C	FAIR	BLUE	FIRST	HALL BY BASEMENT STAIRS	Positive	1.1
215	DOOR FRAME	METAL	B	POOR	GREY	FIRST	HALL BY BASEMENT STAIRS	Negative	0
216	DOOR	METAL	B	POOR	GREY	FIRST	HALL BY BASEMENT STAIRS	Negative	0
217	WALL	DRYWALL	A	POOR	BLUE	FIRST	FRONT FOYER	Negative	0
218	WALL	DRYWALL	B	POOR	BLUE	FIRST	FRONT FOYER	Negative	0
219	WALL	DRYWALL	C	POOR	BLUE	FIRST	FRONT FOYER	Negative	0
220	DOOR FRAME	METAL	A	POOR	GREY	FIRST	FRONT FOYER	Negative	0
221	DOOR	METAL	A	POOR	GREY	FIRST	FRONT FOYER	Negative	0
222	RADIATOR	METAL	D	POOR	GREY	FIRST	FRONT FOYER	Negative	0
223	CEILING	DRYWALL	N/A	POOR	WHITE	FIRST	FRONT FOYER	Negative	0
224	CEILING	DRYWALL	N/A	POOR	WHITE	FIRST	SOUTH HALL	Negative	0
225	CEILING	DRYWALL	N/A	POOR	WHITE	FIRST	SOUTH HALL	Negative	0
226	COLUMN	PLASTER	D	POOR	BLUE	FIRST	SOUTH HALL	Negative	0.3
227	WALL	DRYWALL	D	POOR	BLUE	FIRST	SOUTH HALL	Negative	0
228	WALL	PLASTER	C	INTACT	BLUE	FIRST	SOUTH HALL	Negative	0.3
229	WALL	PLASTER	A	POOR	WHITE	FIRST	READING ROOM	Negative	0
230	WALL	PLASTER	A	POOR	WHITE	FIRST	READING ROOM	Negative	0



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Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Results	mg/cm ²
231	WALL	PLASTER	A	POOR	WHITE	FIRST	READING ROOM	Negative	0
232	WALL	PLASTER	A	POOR	WHITE	FIRST	READING ROOM	Negative	0
233	WALL	PLASTER	B	POOR	WHITE	FIRST	READING ROOM	Negative	0.5
234	WALL	PLASTER	B	POOR	WHITE	FIRST	READING ROOM	Negative	0
235	WALL	PLASTER	B	POOR	WHITE	FIRST	READING ROOM	Positive	27.4
236	WALL	PLASTER	C	POOR	WHITE	FIRST	READING ROOM	Positive	26.4
237	WINDOW SILL	WOOD	C	POOR	BLUE	FIRST	READING ROOM	Negative	0.23
238	WINDOW SILL	WOOD	C	POOR	BLUE	FIRST	READING ROOM	Negative	0.18
239	WINDOW APRON	WOOD	C	POOR	BLUE	FIRST	READING ROOM	Negative	0
240	WINDOW FRAME	WOOD	C	POOR	BLUE	FIRST	READING ROOM	Negative	0
241	WINDOW CASING	WOOD	C	POOR	BLUE	FIRST	READING ROOM	Negative	0.21
242	WINDOW SASH	WOOD	C	POOR	BLUE	FIRST	READING ROOM	Positive	2.5
243	WINDOW SILL	WOOD	C	POOR	BLUE	FIRST	READING ROOM	Negative	0.14
244	WINDOW APRON	WOOD	C	POOR	BLUE	FIRST	READING ROOM	Negative	0
245	WINDOW FRAME	WOOD	C	POOR	BLUE	FIRST	READING ROOM	Negative	0.21
246	WINDOW CASING	WOOD	C	POOR	BLUE	FIRST	READING ROOM	Negative	0.22
247	WINDOW SASH	WOOD	C	POOR	BLUE	FIRST	READING ROOM	Positive	4.1
248	RADIATOR	METAL	C	POOR	BLUE	FIRST	READING ROOM	Negative	0
249	CEILING	PLASTER	N/A	POOR	WHITE	FIRST	READING ROOM	Positive	21.4
250	BASEBOARD	WOOD	A	POOR	BLUE	FIRST	READING ROOM	Positive	6.5
251	DOOR FRAME	WOOD	A	POOR	BLUE	FIRST	READING ROOM	Negative	0
252	DOOR CASING	WOOD	A	POOR	BLUE	FIRST	READING ROOM	Negative	0
253	DOOR	WOOD	A	POOR	GREY	FIRST	READING ROOM	Negative	0



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Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Results	mg/cm ²
254	WALL	PLASTER	A	POOR	TAN	FIRST	CARETAKER OFFICE	Negative	0
255	WALL	PLASTER	A	POOR	TAN	FIRST	CARETAKER OFFICE	Negative	0
256	WALL	PLASTER	C	POOR	TAN	FIRST	CARETAKER OFFICE	Negative	0
257	WALL	PLASTER	C	POOR	TAN	FIRST	CARETAKER OFFICE	Negative	0
258	WALL	PLASTER	A	POOR	TAN	FIRST	CARETAKER OFFICE	Negative	0
259	WALL	PLASTER	A	POOR	TAN	FIRST	CARETAKER OFFICE	Negative	0
260	DOOR FRAME	WOOD	A	POOR	BLUE	FIRST	CARETAKER OFFICE	Negative	0
261	DOOR CASING	WOOD	A	POOR	BLUE	FIRST	CARETAKER OFFICE	Positive	1.1
262	DOOR	WOOD	A	POOR	GREY	FIRST	CARETAKER OFFICE	Negative	0
263	SHELF SUPPORT	WOOD	C	PEELING	BLUE	FIRST	CARETAKER OFFICE	Negative	0.19
264	SHELF	WOOD	C	PEELING	BLUE	FIRST	CARETAKER OFFICE	Negative	0.17
265	WINDOW FRAME	WOOD	C	PEELING	BLUE	FIRST	CARETAKER OFFICE	Negative	0
266	WINDOW SASH	WOOD	C	PEELING	BLUE	FIRST	CARETAKER OFFICE	Positive	4.4
267	RADIATOR	METAL	C	POOR	BLUE	FIRST	CARETAKER OFFICE	Negative	0
268	CLOSET DOOR FRAME	WOOD	C	POOR	BLUE	FIRST	CARETAKER OFFICE	Positive	4.8
269	CLOSET DOOR CASING	WOOD	C	POOR	BLUE	FIRST	CARETAKER OFFICE	Positive	2.6
270	CLOSET DOOR	WOOD	C	POOR	BLUE	FIRST	CARETAKER OFFICE	Negative	0
271	BASEBOARD	WOOD	A	POOR	BLUE	FIRST	CARETAKER OFFICE	Positive	1.9
272	WALL	DRYWALL	B	POOR	WHITE	FIRST	NORTH OFFICE	Negative	0
273	WALL(PLASTER BEHIND)	DRYWALL	D	POOR	WHITE	FIRST	NORTH OFFICE	Negative	0.27
274	WINDOW SILL	WOOD	D	POOR	BLUE	FIRST	NORTH OFFICE	Negative	0
275	WINDOW SILL	WOOD	D	POOR	BLUE	FIRST	NORTH OFFICE	Negative	0.1
276	WINDOW APRON	WOOD	D	POOR	BLUE	FIRST	NORTH OFFICE	Negative	0.2



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Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Results	mg/cm ²
277	WINDOW FRAME	WOOD	D	POOR	BLUE	FIRST	NORTH OFFICE	Negative	0.17
278	WINDOW SASH	WOOD	D	POOR	BLUE	FIRST	NORTH OFFICE	Negative	0.4
279	WINDOW SASH	WOOD	D	POOR	BLUE	FIRST	NORTH OFFICE	Positive	0.7
280	CLOSET DOOR FRAME	WOOD	B	POOR	BLUE	FIRST	NORTH OFFICE	Negative	0
281	CLOSET DOOR CASING	WOOD	B	POOR	BLUE	FIRST	NORTH OFFICE	Negative	0
282	DOOR FRAME	WOOD	A	POOR	GREY	FIRST	NORTH OFFICE	Negative	0
283	DOOR CASING	WOOD	A	POOR	BLUE	FIRST	NORTH OFFICE	Negative	0
284	DOOR	WOOD	A	POOR	BLUE	FIRST	NORTH OFFICE	Negative	0
285	CLOSET WALLS	WOOD	B	POOR	GREEN	FIRST	NORTH OFFICE	Negative	0
286	CLOSET WALLS	WOOD	B	POOR	GREEN	FIRST	NORTH OFFICE	Negative	0
287	CLOSET WALLS	WOOD	B	POOR	GREEN	FIRST	NORTH OFFICE	Negative	0
288	CLOSET SHELF SUPPORT	WOOD	B	POOR	GREEN	FIRST	NORTH OFFICE	Negative	0
289	CLOSET DOOR FRAME	WOOD	B	POOR	GREEN	FIRST	NORTH OFFICE	Negative	0.3
290	CLOSET DOOR CASING	WOOD	B	POOR	BLUE	FIRST	NORTH OFFICE	Negative	0.17
291	CLOSET WALLS	WOOD	D	POOR	BLUE	FIRST	NORTH OFFICE	Negative	0
292	CLOSET DOOR FRAME	WOOD	D	POOR	GREEN	FIRST	NORTH OFFICE	Negative	0.4
293	CLOSET DOOR CASING	WOOD	D	POOR	BLUE	FIRST	NORTH OFFICE	Negative	0.3
294	RADIATOR	METAL	D	POOR	BLUE	FIRST	NORTH OFFICE	Negative	0.18
295	CEILING	PLASTER	N/A	PEELING	WHITE	FIRST	NORTH OFFICE	Negative	0
296	CEILING BEAM	WOOD	N/A	PEELING	WHITE	FIRST	NORTH OFFICE	Negative	0.28
297	WALL	PLASTER	B	PEELING	PINK	FIRST	NORTH STORAGE CLOSET	Negative	0.15
298	WALL	PLASTER	C	PEELING	PINK	FIRST	NORTH STORAGE CLOSET	Negative	0
299	DOOR FRAME	WOOD	A	POOR	BLUE	FIRST	NORTH STORAGE CLOSET	Negative	0



Lead Based Paint Testing Data - XRF Results

Project Name & Number: Francis Myers Recreation Center; 632-221

Client Name: Duffield Associates

Inspector & Dates: John P. Fiorelli, December 10, 2019 (Interior) & January 15, 2020 (Playground, Pool & Exterior)

Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Results	mg/cm ²
300	DOOR CASING	WOOD	A	POOR	BLUE	FIRST	NORTH STORAGE CLOSET	Negative	0
301	DOOR	WOOD	A	POOR	BLUE	FIRST	NORTH STORAGE CLOSET	Negative	0
302	WALL	DRYWALL	A	POOR	TAN	FIRST	COMPUTER ROOM	Negative	0
303	WALL	DRYWALL	A	POOR	TAN	FIRST	COMPUTER ROOM	Negative	0
304	WALL	BLOCK	C	POOR	TAN	FIRST	COMPUTER ROOM	Negative	0
305	WINDOW FRAME	BLOCK	C	POOR	BROWN	FIRST	COMPUTER ROOM	Negative	0
306	CEILING	DRYWALL	N/A	POOR	TAN	FIRST	COMPUTER ROOM	Negative	0
307	WALL TILE	CERAMIC	A	POOR	TAN	FIRST	COMPUTER RM. CLOSET	Positive	0.9
308	WALL	PLASTER	D	POOR	TAN	FIRST	COMPUTER RM. CLOSET	Negative	0
309	WALL	PLASTER	D	POOR	TAN	FIRST	COMPUTER RM. CLOSET	Positive	36.7
310	WALL	DRYWALL	A	POOR	TAN	FIRST	KITCHEN	Negative	0
311	WALL	DRYWALL	B	POOR	TAN	FIRST	KITCHEN	Negative	0
312	WALL	DRYWALL	C	POOR	TAN	FIRST	KITCHEN	Negative	0
313	WALL	DRYWALL	D	POOR	TAN	FIRST	KITCHEN	Negative	0
314	CEILING	DRYWALL	N/A	POOR	TAN	FIRST	KITCHEN	Negative	0
315	DOOR FRAME	METAL	A	POOR	BLUE	FIRST	KITCHEN	Negative	0
316	DOOR	WOOD	A	POOR	BLUE	FIRST	KITCHEN	Negative	0
317	COLUMN	CONCRETE	B	PEELING	WHITE	FIRST	FRONT AUDITORIUM	Negative	0.25
318	COLUMN	CONCRETE	D	INTACT	WHITE	FIRST	FRONT AUDITORIUM	Positive	9.8
319	WALL	DRYWALL	A	INTACT	TAN	FIRST	STORAGE ADJ. AUDITORIUM	Negative	0
320	WALL	DRYWALL	B	INTACT	TAN	FIRST	STORAGE ADJ. AUDITORIUM	Negative	0
321	WALL	DRYWALL	C	INTACT	TAN	FIRST	STORAGE ADJ. AUDITORIUM	Negative	0
322	WALL	PLASTER	D	PEELING	TAN	BASEMENT	BASEMENT STAIRS	Positive	3.4



Lead Based Paint Testing Data - XRF Results

Project Name & Number: Francis Myers Recreation Center; 632-221

Client Name: Duffield Associates

Inspector & Dates: John P. Fiorelli, December 10, 2019 (Interior) & January 15, 2020 (Playground, Pool & Exterior)

Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Results	mg/cm ²
323	WALL	PLASTER	A	PEELING	TAN	BASEMENT	BASEMENT STAIRS	Positive	3.8
324	CEILING	PLASTER	A	PEELING	TAN	BASEMENT	BASEMENT STAIRS	Positive	2.9
325	WALL	WOOD	D	POOR	TAN	BASEMENT	POTTERY ROOM	Positive	10.1
326	CEILING	WOOD	D	POOR	TAN	BASEMENT	POTTERY ROOM	Positive	11.5
327	CLOSET DOOR FRAME	WOOD	D	POOR	BROWN	BASEMENT	POTTERY ROOM	Positive	11.4
328	CLOSET DOOR CASING	WOOD	D	POOR	BROWN	BASEMENT	POTTERY ROOM	Positive	8.4
329	CLOSET DOOR	WOOD	D	POOR	BROWN	BASEMENT	POTTERY ROOM	Positive	9.2
330	WALL	WOOD	D	POOR	BROWN	BASEMENT	POTTERY ROOM	Positive	10.1
331	SHELF	WOOD	D	POOR	BROWN	BASEMENT	POTTERY ROOM	Positive	1.5
332	SHELF	WOOD	D	POOR	TAN	BASEMENT	POTTERY ROOM	Positive	1.3
333	CEILING PIPE	METAL	N/A	POOR	TAN	BASEMENT	POTTERY ROOM	Negative	0
334	CEILING JOIST	WOOD	N/A	POOR	TAN	BASEMENT	HALL	Negative	0
335	CEILING JOIST	WOOD	N/A	POOR	TAN	BASEMENT	HALL	Negative	0
336	WALL	BLOCK	B	POOR	TAN	BASEMENT	HALL	Negative	0
337	DOOR FRAME	METAL	B	POOR	TAN	BASEMENT	HALL	Negative	0
338	DOOR	METAL	B	POOR	TAN	BASEMENT	HALL	Negative	0
339	CEILING JOIST	METAL	B	POOR	TAN	BASEMENT	LARGE CENTER AREA	Negative	0
340	WALL	CONCRETE	A	POOR	TAN	BASEMENT	FRONT STORAGE ADJ. TO STAIRS	Negative	0
341	WALL	CONCRETE	A	POOR	TAN	BASEMENT	FRONT STORAGE ADJ. TO STAIRS	Negative	0
Exterior-1/16/20									
1	SHUTTER_CALIBRATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4.44
2	CALIBRATION_FILM	N/A	N/A	N/A	N/A	N/A	N/A	Negative	0
3	CALIBRATION_FILM	N/A	N/A	N/A	N/A	N/A	N/A	Negative	0.3



Lead Based Paint Testing Data - XRF Results

Project Name & Number: Francis Myers Recreation Center; 632-221

Client Name: Duffield Associates

Inspector & Dates: John P. Fiorelli, December 10, 2019 (Interior) & January 15, 2020 (Playground, Pool & Exterior)

Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Results	mg/cm ²
4	CALIBRATION_FILM	N/A	N/A	N/A	N/A	N/A	N/A	Positive	1.1
5	CALIBRATION_FILM	N/A	N/A	N/A	N/A	N/A	N/A	Positive	0.7
6	CALIBRATION_FILM	N/A	N/A	N/A	N/A	N/A	N/A	Positive	1.1
7	CALIBRATION_FILM	N/A	N/A	N/A	N/A	N/A	N/A	Positive	1.5
8	CALIBRATION_FILM	N/A	N/A	N/A	N/AE526	N/A	N/A	Positive	1.3
9	CALIBRATION_FILM	N/A	N/A	N/A	N/A	N/A	N/A	Positive	3.5
10	CALIBRATION_FILM	N/A	N/A	N/A	N/A	N/A	N/A	Negative	0
11	POOL	CONCRETE	N/A	POOR	WHITE	FIRST	OUTSIDE	Negative	0
12	POOL	CONCRETE	N/A	POOR	WHITE	FIRST	OUTSIDE	Negative	0
13	POOL	CONCRETE	N/A	POOR	WHITE	FIRST	OUTSIDE	Negative	0
14	POOL	CONCRETE	N/A	POOR	WHITE	FIRST	OUTSIDE	Negative	0
15	POOL GARAGE DOOR FRAME	WOOD	A	POOR	WHITE	FIRST	OUTSIDE	Negative	0
16	POOL GARAGE DOOR FRAME	WOOD	A	POOR	WHITE	FIRST	OUTSIDE	Negative	0
17	POOL GARAGE DOOR	WOOD	A	POOR	WHITE	FIRST	OUTSIDE	Negative	0
18	HALF WALL BY DOOR	WOOD	N/A	POOR	RED	FIRST	OUTSIDE	Negative	0
19	HALF WALL BY DOOR	WOOD	N/A	POOR	RED	FIRST	OUTSIDE	Negative	0
20	HALF WALL BY DOOR	WOOD	N/A	POOR	RED	FIRST	OUTSIDE	Negative	0
21	SWING	METAL	N/A	INTACT	RED	FIRST	OUTSIDE	Negative	0
22	PLAYGROUND EQUIPMENT	METAL	N/A	INTACT	BLUE	FIRST	OUTSIDE	Negative	0
23	PLAYGROUND EQUIPMENT	METAL	N/A	INTACT	TAN	FIRST	OUTSIDE	Negative	0
24	PLAYGROUND EQUIPMENT	METAL	N/A	INTACT	GREEN	FIRST	OUTSIDE	Negative	0
25	PARKING LOT POLES	METAL	N/A	POOR	YELLOW	FIRST	OUTSIDE	Negative	0
26	PARKING LOT POLES	METAL	N/A	POOR	YELLOW	FIRST	OUTSIDE	Negative	0



Lead Based Paint Testing Data - XRF Results

Project Name & Number: Francis Myers Recreation Center; 632-221

Client Name: Duffield Associates

Inspector & Dates: John P. Fiorelli, December 10, 2019 (Interior) & January 15, 2020 (Playground, Pool & Exterior)

Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Results	mg/cm ²
27	DOWNSPOUT	METAL	A	POOR	BLUE	FIRST	OUTSIDE	Negative	0
28	DOWNSPOUT	METAL	A	POOR	WHITE	FIRST	OUTSIDE	Negative	0
29	WALL MURAL	BRICK	A	POOR	WHITE	FIRST	OUTSIDE	Negative	0
30	GYM DOOR FRAME	METAL	A	POOR	BLUE	FIRST	OUTSIDE	Negative	0
31	GYM DOOR	METAL	A	POOR	BLUE	FIRST	OUTSIDE	Negative	0
32	OLD SWING	METAL	A	POOR	RED	FIRST	OUTSIDE	Negative	0
33	OLD SWING	METAL	A	POOR	RED	FIRST	OUTSIDE	Negative	0
34	PLAYGROUND BRICK HALF WALL	BRICK	N/A	POOR	RED	FIRST	OUTSIDE	Negative	0
35	PLAYGR BICK NALF WALL	BRICK	N/A	POOR	RED	FIRST	OUTSIDE	Negative	0
36	BENCH	METAL	N/A	POOR	BLUE	FIRST	OUTSIDE	Negative	0
37	BENCH	METAL	N/A	POOR	BLUE	FIRST	OUTSIDE	Negative	0
38	DOWNSPUT	METAL	C	POOR	BLUE	FIRST	OUTSIDE	Negative	0
39	SPRINKLER POLE	METAL	C	POOR	YELLOW	FIRST	OUTSIDE	Negative	0.19
40	FIRE ESCAPE STAIRS	METAL	C	POOR	BLACK	FIRST	OUTSIDE	Negative	0
41	FIRE ESCAPE STAIRS	METAL	C	POOR	BLACK	FIRST	OUTSIDE	Negative	0.15
42	FIRE ESCAPE STAIR RISERS	METAL	C	POOR	BLACK	FIRST	OUTSIDE	Positive	1.6
43	FIRE ESCAPE STAIR STRINGERS	METAL	C	POOR	BLACK	FIRST	OUTSIDE	Positive	2.2
44	GATE	METAL	A	POOR	BLACK	FIRST	OUTSIDE	Negative	0
45	WALL	CONCRETE	A	PEELING	GREY	FIRST	OUTSIDE	Negative	0
46	HANDICAP RAIL	CONCRETE	A	POOR	BLACK	FIRST	OUTSIDE	Negative	0



Lead Based Paint Testing Data - XRF Results

Project Name & Number: Francis Myers Recreation Center (Annex Building); 5801 Kingsessing Avenue, Philadelphia, PA 19143

Client Name: Duffield Associates; Project #632-221-2

Inspector & Dates: Ryan Hutsell, March 25, 2021

Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Result	Mg/cm ²
1	Calibration	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3.7
2	Calibration	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.6
3	Calibration	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.9
4	Calibration	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.6
5	Calibration	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.34
6	Calibration	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0
7	Walls	Plaster	C	Damaged	Yellow	Second	Room to the Left of Stairs	Positive	23.5
8	Wall	Plaster	A	Damaged	Blue	Third	Hallway	Positive	23.2
9	Wall	Plaster	A	Damaged	White	Second	Hallway	Positive	22.4
10	Wall	Plaster	D	Damaged	Yellow	Third	Room at End of Hallway	Positive	21.5
11	Wall	Plaster	C	Damaged	White	Second	Hallway	Positive	20.9
12	Wall	Plaster	C	Damaged	Yellow	Third	Room at End of Hallway	Positive	20.7
13	Wall	Plaster	D	Damaged	Blue	Third	Room across Hallway from Stairs	Positive	20.4
14	Wall	Plaster	C	Damaged	Red	Second	Large Room at End of Hallway	Positive	20.2
15	Walls	Plaster	A	Damaged	Yellow	Second	Room to the Left of Stairs	Positive	20.1
16	Wall	Plaster	C	Damaged	Blue	Third	Hallway	Positive	19.5
17	Walls	Plaster	B	Damaged	Yellow	Second	Room to the Left of Stairs	Positive	18.8
18	Ceiling	Plaster	N/A	Damaged	White	Third	Hallway	Positive	18.5
19	Walls	Plaster	B	Damaged	Yellow	Second	Stairs	Positive	18.2
20	Wall	Plaster	C	Damaged	Yellow	Third	Room across Hallway from Stairs	Positive	18.2
21	Wall	Plaster	B	Damaged	Red	Second	Large Room at End of Hallway	Positive	17.9
22	Wall	Plaster	B	Damaged	Blue	Third	Room across Hallway from Stairs	Positive	17.9
23	Walls	Plaster	D	Damaged	Yellow	Second	Room to the Left of Stairs	Positive	17.1



Lead Based Paint Testing Data - XRF Results

Project Name & Number: Francis Myers Recreation Center (Annex Building); 5801 Kingsessing Avenue, Philadelphia, PA 19143

Client Name: Duffield Associates; Project #632-221-2

Inspector & Dates: Ryan Hutsell, March 25, 2021

Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Result	Mg/cm ²
24	Wall	Plaster	A	Damaged	Red	Second	Large Room at End of Hallway	Positive	17.1
25	Walls	Plaster	A	Damaged	Yellow	Second	Stairs	Positive	16.9
26	Ceiling	Plaster	N/A	Damaged	Yellow	Second	Stairs	Positive	16.8
27	Wall	Plaster	A	Damaged	Blue	Third	Room at End of Hallway	Positive	16.8
28	Ceiling	Plaster	N/A	Damaged	White	Second	Room to the Left of Stairs	Positive	16.5
29	Wall	Plaster	D	Damaged	Red	Second	Large Room at End of Hallway	Positive	16.5
30	Wall	Plaster	B	Damaged	Blue	Third	Room at End of Hallway	Positive	16.4
31	Wall	Plaster	A	Damaged	Blue	Third	Room across Hallway from Stairs	Positive	16.2
32	Ceiling	Plaster	N/A	Damaged	White	Third	Room across Hallway from Stairs	Positive	15.7
33	Ceiling	Plaster	N/A	Damaged	White	Second	Hallway	Positive	15.4
34	Walls	Plaster	C	Damaged	Yellow	Second	Stairs	Positive	15.1
35	Ceiling	Plaster	N/A	Damaged	Red	Second	Large Room at End of Hallway	Positive	13.4
36	Ceiling	Plaster	N/A	Damaged	White	Third	Room at End of Hallway	Positive	11.9
37	Window Sash	Wood	A	Damaged	White	Second	Room to the Left of Stairs	Positive	5.1
38	Window Sill	Wood	A	Damaged	White	Second	Room to the Left of Stairs	Positive	4.6
39	Walls	Ceramic	B	Intact	Grey	Second	Bathroom	Positive	4
40	Window Apron	Wood	C	Damaged	White	Second	Large Room at End of Hallway	Positive	3.6
41	Floor	Ceramic	N/A	Intact	Grey	Second	Bathroom	Positive	3.5
42	Window Frame	Wood	C	Damaged	White	Second	Large Room at End of Hallway	Positive	3.2
43	Walls	Ceramic	A	Intact	Grey	Second	Bathroom	Positive	3.1
44	Wall	Ceramic	A	Intact	White	Third	Bathroom	Negative	3.1
45	Wall	Ceramic	B	Intact	White	Third	Bathroom	Negative	3
46	Window Frame	Wood	A	Damaged	White	Second	Room to the Left of Stairs	Positive	2.8



Lead Based Paint Testing Data - XRF Results

Project Name & Number: Francis Myers Recreation Center (Annex Building); 5801 Kingsessing Avenue, Philadelphia, PA 19143

Client Name: Duffield Associates; Project #632-221-2

Inspector & Dates: Ryan Hutsell, March 25, 2021

Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Result	Mg/cm ²
47	Door Frame	Wood	C	Damaged	Red	Second	Large Room at End of Hallway	Positive	2.7
48	Floor	Ceramic	N/A	Intact	White	Third	Bathroom	Negative	2.7
49	Door Frame	Plaster	A	Damaged	White	Second	Hallway	Positive	2.6
50	Window Apron	Wood	A	Damaged	White	Second	Room to the Left of Stairs	Positive	2.1
51	Chair Rail	Wood	A	Damaged	White	Second	Room to the Left of Stairs	Positive	1.9
52	Window Sill	Wood	C	Damaged	White	Second	Large Room at End of Hallway	Positive	1.8
53	Door Frame	Wood	B	Damaged	White	Second	Room to the Left of Stairs	Positive	1.5
54	Baseboard	Wood	N/A	Damaged	White	Second	Room to the Left of Stairs	Positive	1.5
55	Window Sash	Wood	C	Damaged	White	Second	Large Room at End of Hallway	Positive	1.5
56	Fire Escape Door	Wood	C	Damaged	Red	Second	Large Room at End of Hallway	Positive	0.9
57	Window Sill	Wood	A	Intact	White	First	Lobby/Waiting Area	Negative	0.5
58	Window Sill	Wood	C	Intact	White	First	Conference Room	Negative	0.33
59	Window Frame	Wood	A	Intact	White	First	Lobby/Waiting Area	Negative	0.32
60	Window Apron	Wood	C	Intact	White	First	Conference Room	Negative	0.31
61	Stringer	Wood	N/A	Damaged	Brown	Second	Stairs	Negative	0.3
62	Window Sill	Wood	C	Damaged	White	Second	Stairs	Negative	0.26
63	Window Sash	Wood	A	Intact	White	First	Lobby/Waiting Area	Negative	0.25
64	Stringer	Wood	N/A	Intact	Brown	Basement	Stairs	Negative	0.25
65	Handrail	Wood	N/A	Intact	Brown	Basement	Stairs	Negative	0.23
66	Window Frame	Wood	C	Intact	White	First	Conference Room	Negative	0.2
67	Riser	Wood	N/A	Intact	Brown	Basement	Stairs	Negative	0.2
68	Window Frame	Wood	C	Damaged	White	Second	Stairs	Negative	0.2
69	Window Sash	Wood	C	Intact	White	First	Conference Room	Negative	0.19



Lead Based Paint Testing Data - XRF Results

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Client Name: Duffield Associates; Project #632-221-2

Inspector & Dates: Ryan Hutsell, March 25, 2021

Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Result	Mg/cm ²
70	Newel Post	Wood	N/A	Intact	Brown	Basement	Stairs	Negative	0.19
71	Spindles	Wood	N/A	Damaged	Brown	Second	Stairs	Negative	0.19
72	Risers	Wood	N/A	Damaged	Brown	Second	Stairs	Negative	0.16
73	Window Sill	Wood	C	Intact	White	First	Office across from Left Restroom	Negative	0.15
74	Window Apron	Wood	C	Intact	White	First	Office across from Left Restroom	Negative	0.14
75	Transom Panel	Wood	B	Intact	White	First	Hallway	Negative	0.13
76	Window Sash	Wood	C	Intact	White	First	Office across from Left Restroom	Negative	0.1
77	Handrail	Wood	N/A	Damaged	White	Second	Stairs	Negative	0.1
78	Wall	Drywall	A	Intact	White	First	Storage Room adjacent Conference Room	Negative	0
79	Wall	Drywall	B	Intact	White	First	Storage Room adjacent Conference Room	Negative	0
80	Wall	Drywall	C	Intact	White	First	Storage Room adjacent Conference Room	Negative	0
81	Wall	Drywall	D	Intact	White	First	Storage Room adjacent Conference Room	Negative	0
82	Ceiling	Drywall	N/A	Intact	White	First	Storage Room adjacent Conference Room	Negative	0
83	Door Frame	Metal	A	Intact	Grey	First	Storage Room adjacent Conference Room	Negative	0
84	Door	Wood	A	Intact	Grey	First	Storage Room adjacent Conference Room	Negative	0
85	Baseboard	Wood	N/A	Intact	White	First	Storage Room adjacent Conference Room	Negative	0
86	Wall	Drywall	A	Intact	White	First	Storage Room adjacent Conference Room	Negative	0
87	Wall	Drywall	B	Intact	White	First	Storage Room across from Conference Room	Negative	0
88	Wall	Drywall	C	Intact	White	First	Storage Room across from Conference Room	Negative	0
89	Wall	Drywall	D	Intact	White	First	Storage Room across from Conference Room	Negative	0
90	Ceiling	Drywall	N/A	Intact	White	First	Storage Room across from Conference Room	Negative	0
91	Door Frame	Metal	A	Intact	Grey	First	Storage Room across from Conference Room	Negative	0
92	Door	Wood	A	Intact	Grey	First	Storage Room across from Conference Room	Negative	0



Lead Based Paint Testing Data - XRF Results

Project Name & Number: Francis Myers Recreation Center (Annex Building); 5801 Kingsessing Avenue, Philadelphia, PA 19143

Client Name: Duffield Associates; Project #632-221-2

Inspector & Dates: Ryan Hutsell, March 25, 2021

Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Result	Mg/cm ²
93	Baseboard	Wood	N/A	Intact	White	First	Storage Room across from Conference Room	Negative	0
94	Window Sill	Wood	B	Intact	White	First	Storage Room across from Conference Room	Negative	0
95	Window Apron	Wood	B	Intact	White	First	Storage Room across from Conference Room	Negative	0
96	Wall	Drywall	A	Intact	White	First	Hallway	Negative	0
97	Wall	Drywall	C	Intact	White	First	Hallway	Negative	0
98	Wall	Drywall	D	Intact	White	First	Hallway	Negative	0
99	Door Frame	Metal	A	Intact	White	First	Hallway	Negative	0
100	Door	Wood	C	Intact	White	First	Hallway	Negative	0
101	Door Frame	Metal	B	Intact	Grey	First	Hallway	Negative	0
102	Door	Metal	B	Intact	Grey	First	Hallway	Negative	0
103	Baseboard	Wood	N/A	Intact	White	First	Hallway	Negative	0
104	Built-in Shelving	Wood	C	Intact	White	First	Closet in Hallway	Negative	0
105	Wall	Drywall	B	Intact	White	First	Office across from Conference Room	Negative	0
106	Wall	Drywall	C	Intact	White	First	Office across from Conference Room	Negative	0
107	Wall	Drywall	D	Intact	White	First	Office across from Conference Room	Negative	0
108	Ceiling	Drywall	N/A	Intact	White	First	Office across from Conference Room	Negative	0
109	Door Frame	Metal	A	Intact	Grey	First	Office across from Conference Room	Negative	0
110	Door	Wood	A	Intact	Grey	First	Office across from Conference Room	Negative	0
111	Baseboard	Wood	N/A	Intact	White	First	Office across from Conference Room	Negative	0
112	Window Sill	Wood	B	Intact	White	First	Office across from Conference Room	Negative	0
113	Window Apron	Wood	B	Intact	White	First	Office across from Conference Room	Negative	0
114	Wall	Drywall	A	Intact	White	First	Conference Room	Negative	0
115	Wall	Drywall	B	Intact	White	First	Conference Room	Negative	0



Lead Based Paint Testing Data - XRF Results

Project Name & Number: Francis Myers Recreation Center (Annex Building); 5801 Kingsessing Avenue, Philadelphia, PA 19143

Client Name: Duffield Associates; Project #632-221-2

Inspector & Dates: Ryan Hutsell, March 25, 2021

Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Result	Mg/cm ²
116	Wall	Drywall	C	Intact	White	First	Conference Room	Negative	0
117	Wall	Drywall	D	Intact	White	First	Conference Room	Negative	0
118	Ceiling	Drywall	N/A	Intact	White	First	Conference Room	Negative	0
119	Ceiling	Plaster	N/A	Intact	Yellow	First	Conference Room	Negative	0
120	Door Frame	Metal	A	Intact	Grey	First	Conference Room	Negative	0
121	Door	Wood	A	Intact	Grey	First	Conference Room	Negative	0
122	Closet Door Frame	Metal	B	Intact	Grey	First	Conference Room	Negative	0
123	Baseboard	Wood	N/A	Intact	White	First	Conference Room	Negative	0
124	Wall	Drywall	A	Intact	White	First	Conference Room	Negative	0
125	Wall	Drywall	A	Intact	White	First	Left Restroom	Negative	0
126	Wall	Drywall	B	Intact	White	First	Left Restroom	Negative	0
127	Wall	Drywall	C	Intact	White	First	Left Restroom	Negative	0
128	Wall	Drywall	D	Intact	White	First	Left Restroom	Negative	0
129	Shelf Bracket	Wood	C	Intact	Grey	First	Left Restroom	Negative	0
130	Wall	Drywall	A	Intact	White	First	Right Restroom	Negative	0
131	Wall	Drywall	B	Intact	White	First	Right Restroom	Negative	0
132	Wall	Drywall	C	Intact	White	First	Right Restroom	Negative	0
133	Wall	Drywall	D	Intact	White	First	Right Restroom	Negative	0
134	Shelf Bracket	Wood	D	Intact	Grey	First	Right Restroom	Negative	0
135	Window Sill	Wood	C	Intact	Grey	First	Right Restroom	Negative	0
136	Window Apron	Wood	C	Intact	Grey	First	Right Restroom	Negative	0
137	Grey	Drywall	A	Intact	White	First	Office across from Right Restroom	Negative	0
138	Grey	Drywall	B	Intact	White	First	Office across from Right Restroom	Negative	0



Lead Based Paint Testing Data - XRF Results

Project Name & Number: Francis Myers Recreation Center (Annex Building); 5801 Kingsessing Avenue, Philadelphia, PA 19143

Client Name: Duffield Associates; Project #632-221-2

Inspector & Dates: Ryan Hutsell, March 25, 2021

Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Result	Mg/cm ²
139	Grey	Drywall	C	Intact	White	First	Office across from Right Restroom	Negative	0
140	Grey	Drywall	D	Intact	White	First	Office across from Right Restroom	Negative	0
141	Ceiling	Drywall	N/A	Intact	White	First	Office across from Right Restroom	Negative	0
142	Door Frame	Metal	A	Intact	Grey	First	Office across from Right Restroom	Negative	0
143	Door	Wood	A	Intact	Grey	First	Office across from Right Restroom	Negative	0
144	Closet Shelves	Wood	A	Intact	White	First	Office across from Right Restroom	Negative	0
145	Grey	Drywall	A	Intact	White	First	Office across from Left Restroom	Negative	0
146	Grey	Drywall	B	Intact	White	First	Office across from Left Restroom	Negative	0
147	Grey	Drywall	C	Intact	White	First	Office across from Left Restroom	Negative	0
148	Grey	Drywall	D	Intact	White	First	Office across from Left Restroom	Negative	0
149	Built-in Shelving	Wood	A	Intact	White	First	Office across from Left Restroom	Negative	0
150	Window Frame	Wood	C	Intact	White	First	Office across from Left Restroom	Negative	0
151	Wall	Drywall	B	Intact	Grey	First	Entrance Foyer	Negative	0
152	Wall	Drywall	D	Intact	Grey	First	Entrance Foyer	Negative	0
153	Baseboard	Wood	N/A	Intact	White	First	Entrance Foyer	Negative	0
154	Ceiling	Drywall	N/A	Intact	White	First	Entrance Foyer	Negative	0
155	Wainscoting	Wood	B	Intact	White	First	Entrance Foyer	Negative	0
156	Wainscoting	Wood	D	Intact	White	First	Entrance Foyer	Negative	0
157	Window Apron	Wood	A	Intact	White	First	Lobby/Waiting Area	Negative	0
158	Wall	Drywall	A	Intact	Grey	First	Lobby/Waiting Area	Negative	0
159	Wall	Drywall	B	Intact	Grey	First	Lobby/Waiting Area	Negative	0
160	Wall	Drywall	C	Intact	Grey	First	Lobby/Waiting Area	Negative	0
161	Wall	Drywall	D	Intact	Grey	First	Lobby/Waiting Area	Negative	0



Lead Based Paint Testing Data - XRF Results

Project Name & Number: Francis Myers Recreation Center (Annex Building); 5801 Kingsessing Avenue, Philadelphia, PA 19143

Client Name: Duffield Associates; Project #632-221-2

Inspector & Dates: Ryan Hutsell, March 25, 2021

Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Result	Mg/cm ²
162	Baseboard	Drywall	N/A	Intact	Grey	First	Lobby/Waiting Area	Negative	0
163	Window Frame	Wood	B	Intact	Grey	First	Lobby/Waiting Area	Negative	0
164	Shelf	Wood	D	Intact	White	First	Lobby/Waiting Area	Negative	0
165	Wall	Drywall	A	Intact	White	First	Left Office adjacent Lobby	Negative	0
166	Wall	Drywall	B	Intact	White	First	Left Office adjacent Lobby	Negative	0
167	Wall	Drywall	C	Intact	White	First	Left Office adjacent Lobby	Negative	0
168	Wall	Drywall	D	Intact	White	First	Left Office adjacent Lobby	Negative	0
169	Baseboard	Drywall	N/A	Intact	White	First	Left Office adjacent Lobby	Negative	0
170	Door Frame	Metal	A	Intact	White	First	Left Office adjacent Lobby	Negative	0
171	Door	Wood	A	Intact	White	First	Left Office adjacent Lobby	Negative	0
172	Wall	Drywall	A	Intact	White	First	Right Office adjacent Lobby	Negative	0
173	Wall	Drywall	B	Intact	White	First	Right Office adjacent Lobby	Negative	0
174	Wall	Drywall	C	Intact	White	First	Right Office adjacent Lobby	Negative	0
175	Wall	Drywall	D	Intact	White	First	Right Office adjacent Lobby	Negative	0
176	Baseboard	Drywall	N/A	Intact	White	First	Right Office adjacent Lobby	Negative	0
177	Door Frame	Metal	A	Intact	White	First	Right Office adjacent Lobby	Negative	0
178	Door	Wood	A	Intact	White	First	Right Office adjacent Lobby	Negative	0
179	Shelf	Wood	D	Intact	White	First	Right Office adjacent Lobby	Negative	0
180	Wall	Plaster	A	Intact	White	Basement	Stairs	Negative	0
181	Wall	Plaster	B	Intact	White	Basement	Stairs	Negative	0
182	Wall	Plaster	C	Intact	White	Basement	Stairs	Negative	0
183	Wall	Plaster	D	Intact	White	Basement	Stairs	Negative	0
184	Ceiling	Plaster	N/A	Intact	White	Basement	Stairs	Negative	0



Lead Based Paint Testing Data - XRF Results

Project Name & Number: Francis Myers Recreation Center (Annex Building); 5801 Kingsessing Avenue, Philadelphia, PA 19143

Client Name: Duffield Associates; Project #632-221-2

Inspector & Dates: Ryan Hutsell, March 25, 2021

Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Result	Mg/cm ²
185	Wall	Brick	A	Intact	White	Basement	Basement	Negative	0
186	Wall	CMU	A	Intact	White	Basement	Basement	Negative	0
187	Wall	Brick	B	Intact	White	Basement	Basement	Negative	0
188	Wall	CMU	B	Intact	White	Basement	Basement	Negative	0
189	Wall	Brick	C	Intact	White	Basement	Basement	Negative	0
190	Wall	CMU	C	Intact	White	Basement	Basement	Negative	0
191	Wall	Brick	D	Intact	White	Basement	Basement	Negative	0
192	Wall	CMU	D	Intact	White	Basement	Basement	Negative	0
193	Window Frame	Wood	A	Intact	White	Basement	Basement	Negative	0
194	Door Frame	Metal	A	Intact	White	Basement	Basement	Negative	0
195	Door	Wood	A	Intact	White	Basement	Basement	Negative	0
196	Window Frame	Wood	D	Intact	White	Basement	Basement	Negative	0
197	Door Frame	Metal	D	Intact	White	Basement	Basement	Negative	0
198	Door	Wood	D	Intact	White	Basement	Basement	Negative	0
199	Floor	Concrete	N/A	Intact	Grey	Basement	Basement	Negative	0
200	Window Frame	Wood	B	Intact	White	Basement	Basement	Negative	0
201	Window Panel	Wood	B	Intact	White	Basement	Basement	Negative	0
202	Ceiling/Floor Joists	Wood	N/A	Intact	White	Basement	Basement	Negative	0
203	Walls	Plaster	D	Damaged	Yellow	Second	Stairs	Negative	0
204	Window Frame	Wood	A	Intact	Shellac	Third	Room across Hallway from Stairs	Negative	0
205	Window Sill	Wood	A	Intact	Shellac	Third	Room across Hallway from Stairs	Negative	0
206	Window Sash	Wood	A	Intact	Shellac	Third	Room across Hallway from Stairs	Negative	0
207	Window Apron	Wood	A	Intact	Shellac	Third	Room across Hallway from Stairs	Negative	0



Lead Based Paint Testing Data - XRF Results

Project Name & Number: Francis Myers Recreation Center (Annex Building); 5801 Kingsessing Avenue, Philadelphia, PA 19143

Client Name: Duffield Associates; Project #632-221-2

Inspector & Dates: Ryan Hutsell, March 25, 2021

Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Result	Mg/cm ²
208	Door Frame	Wood	A	Intact	Shellac	Third	Hallway	Negative	0
209	Door Frame	Wood	C	Intact	Shellac	Third	Hallway	Negative	0
210	Baseboard	Wood	N/A	Intact	Shellac	Third	Hallway	Negative	0
211	Door Frame	Wood	A	Intact	Shellac	Third	Room at End of Hallway	Negative	0
212	Window Frame	Wood	C	Intact	Shellac	Third	Room at End of Hallway	Negative	0
213	Window Sill	Wood	C	Intact	Shellac	Third	Room at End of Hallway	Negative	0
214	Window Apron	Wood	C	Intact	Shellac	Third	Room at End of Hallway	Negative	0
215	Window Sash	Wood	C	Intact	Shellac	Third	Room at End of Hallway	Negative	0
216	Baseboard	Wood	N/A	Intact	Shellac	Third	Room at End of Hallway	Negative	0
217	Calibration	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3.6
218	Calibration	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.7
219	Calibration	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.1
220	Calibration	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.7
221	Calibration	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.3
222	Calibration	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0

* Assume LBP on plaster walls & ceiling concealed behind sheetrock on 1st Floor

**All painted wooden window components and trim on 2nd & 3rd Floor contains LBP

***Shellacked wooden components on the 3rd Floor are non-lead components.

PAID

Date
6/30/2021

BILL TO
Duffield Associates Jennifer L Gresh 211 North 13th Street; Suite 704 Philadelphia, Pennsylvania 19107

PROJECT NAME
Asbestos & Lead Inspection at the FJ Myers Rec Center Supplemental Inspection Philadelphia, Pa

Invoice No.	Duffield Project No.	Terms	Project Date(s)	Project Number
632221-2	11852EE	Net 30	03/25-06/08/2021	632-221-2

Quantity	Technical Service	Rate	Amount
3	Asbestos Building Inspector Hours	0.00	0.00
14	Lead Risk Assessor Hours	0.00	0.00
30	Polarized Light Microscopy Bulk Samples (24 Hour TAT)	0.00	0.00
3	PLM Point Count Sample Analysis (24 Hour TAT)	0.00	0.00

		Total	\$0.00
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C-6/21

NI-4/20
NI-5/21

~~NI-4/20~~
~~NI-5/21~~

Synertech Incorporated Project No.	632-221-2
---	-----------

Client & Billing Information

Name	Duffield Associates	Duffield Project #	11852EE	
Address	211 North 13th Street; Suite 704 Philadelphia, Pennsylvania 19107	Rates	\$0/BI	\$/PLM-24 HR
Contact	Jennifer L. Gresh		\$/RISK ASSESS	\$/PB CHIP-24 HR
Phone	215-545-7295		\$/PM	\$/PCM-NOR
Alt. Phone				
Email	jgresh@duffnet.com	Net Due	Net 30	
Special Reporting / Billing Instructions:				
1 Original- 11852EE on all reports and invoices				

Project Information

Project Address	Francis Myers Recreation Center ACM & LBP Survey 5800 Chester Ave Philadelphia, PA 19143	Type of Project	ACM/LBP
		Start Date	3/26/2021
		Start Time	9:00 AM
Contact	Dan Harkins @ 215-964-0207		

Project Details

Type	Samples	Lab	TAT
Asbestos	PLM	EMSL	24 HR
LBP	PB CHIP	EMSL	24 HR
Asbestos	PCM	EMSL	Onsite

Instructions:

ACM & LBP Inspection of areas not access during the 11/2019 survey.

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Supplemental Asbestos Assessment Form



BrightFields, Inc.
Environmental Services

Project Name:	Francis J. Myers Recreation Center				Brief Description of Task:		
Site Address:	5801 Kingsessing Avenue				BrightFields was tasked by Digsau to conduct a targeted supplemental asbestos assessment of the buildings to facilitate renovation and demolition activities. Please note that this assessment is supplemental to the Revised Report for Environmental Investigation (ACM & LBP) & Sampling Francis Myers Recreation Center (Synertech, dated January 21, 2020 Revised on June 25, 2021).		
City, State Zip:	Philadelphia, Pennsylvania 19143						
Inspection Date:	2/15/2023						
BrightFields File:	2477.07.51						
The following suspect asbestos building components were sampled as per the building owner and / or owner's general contractor's direction during the time of the assessment:							
NAD = No Asbestos Detected, SF = Square Feet, LF = Linear Feet F = Friable, NF = Non-friable, D = Damaged, G = Good SD = Significantly Damaged, SA = Same As, TBD = To Be Determined							
HA Area No.	Material Description	Color	Cond.	Suspect ACM Locations	Est. Quantity	Friability	% Asbestos
HA01	Chimney mortar	Gray	D	Associated with annex and recreation center chimneys	TBD	NF	NAD
HA02	Asphalt rolled roofing	Black	G	As flat roofs at gymnasium	TBD	NF	NAD
HA03	Seam tar adhesive	Black	G	Associated with HA02	TBD	NF	NAD
HA04	Asphalt built-up roofing	Black	G	Underneath HA02/03	TBD	NF	NAD
HA05	Fiberboard Roofing Insulation	Tan	G	Underneath HA04	TBD	F	NAD
HA06	Edge flashing tar	Black	G	Associated with flat roofing edges and parapets	1,000 SF	NF	6% Chrysotile
HA07	Mechanical flashing tar	Black	G	Associated with flat roofing at mechanical systems and stacks	220 SF	NF	7% Chrysotile

Supplemental Asbestos Assessment Form



BrightFields, Inc.
Environmental Services

HA Area No.	Material Description	Color	Cond.	Suspect ACM Locations	Est. Quantity	Friability	% Asbestos
HA08	Silvercoat	Silver	G	Over HA07 at main gymnasium roof only	TBD	NF	NAD
HA09	Asphalt coating	Black	G	Associated with metal roofing over recreation center and annex building	TBD	NF	NAD

must be properly removed and disposed by a City of Philadelphia licensed asbestos abatement contractor prior to demolition or renovation.

Please note that this Supplemental Asbestos Assessment Form and related Attachments must be used in conjunction with the Revised Report for Environmental Investigation (ACM & LBP) & Sampling Francis Myers Recreation Center (Synertech, dated January 21, 2020 Revised on June 25, 2021).

This assessment and the initial assessments performed by Synertech are limited to accessible areas of the building. Limited demolition was not performed to access building materials which may be hidden within wall and ceiling systems, within chases, or in other inaccessible areas.

Please note that the Gymnasium flooring was assessed as part of the supplemental, and visual and tactile assessment of the Gymnasium flooring vapor barrier determined it to be approximately 6-mil polyethylene sheeting which did not warrant sample collection. All roofing materials associated with the Main Rec Center building, Annex, and Gymnasium are included in this Supplemental Assessment.

No other suspect ACM noted during the time of the assessment.

END OF SUMMARY

Building Inspector Signature:

Sean Scanlon, CIEC
Project Manager

City of Philadelphia Asbestos Investigator #: AIC18-000003
City of Philadelphia Asbestos Project Inspector #: API22-000018

Attachments: Laboratory Analytical Data
Revised City of Philadelphia Asbestos Inspection Report

The purpose of this asbestos assessment was to locate regulated ACM pursuant to the requirements of NESHAP, 40 CFR Part 61.145, which requires removal and disposal of friable asbestos containing building materials, and materials that will become friable as a result of demolition and/or renovation. BrightFields recommends additional component testing when the proposed renovation/demolition activities above change and require additional components to be removed as a part of that change. This asbestos assessment will aid in the L & I issuance of a renovation or demolition permit.

Supplemental Asbestos Assessment Form
Francis J. Myers Recreation Center
5801 Kingsessing Avenue
Philadelphia, Pennsylvania 19143



LABORATORY ANALYTICAL DATA



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Tel/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com> / cinnasblab@EMSL.com

EMSL Order: 042304167

Customer ID: WIK50

Customer PO: 2477.07.51

Project ID:

Attention: Kelli Beeson
BrightFields, Inc.
801 Industrial Street
Suite 1
Wilmington, DE 19801

Phone: (302) 985-1890

Fax:

Received Date: 02/17/2023 9:30 AM

Analysis Date: 02/21/2023

Collected Date: 02/15/2023

Project: Francis Myers Recreation Center / 2477.07.51 / 5801 Kingsessing Avenue, Philadelphia, PA

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
B01A 042304167-0001	Associated with Annex & Rec Center Chimneys - HA-001 - Chimney Mortar - Gray	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: 001		
B01B 042304167-0002	Associated with Annex & Rec Center Chimneys - HA-001 - Chimney Mortar - Gray	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: 001		
B01C 042304167-0003	Associated with Annex & Rec Center Chimneys - HA-001 - Chimney Mortar - Gray	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: 001		
B02A 042304167-0004	As Flat Roofs at Gymnasium - HA-002 - Asphalt Rolled Roofing - Black	Black Fibrous Homogeneous	15% Synthetic	85% Non-fibrous (Other)	None Detected
			HA: 002		
B02B 042304167-0005	As Flat Roofs at Gymnasium - HA-002 - Asphalt Rolled Roofing - Black	Black Fibrous Homogeneous	15% Synthetic	85% Non-fibrous (Other)	None Detected
			HA: 002		
B02C 042304167-0006	As Flat Roofs at Gymnasium - HA-002 - Asphalt Rolled Roofing - Black	Black Fibrous Homogeneous	10% Synthetic	90% Non-fibrous (Other)	None Detected
			HA: 002		
B03A 042304167-0007	Associated with HA02 - HA-003 - Seam Tar Adhesive - Black	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: 003		
B03B 042304167-0008	Associated with HA02 - HA-003 - Seam Tar Adhesive - Black	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: 003		
B03C 042304167-0009	Associated with HA02 - HA-003 - Seam Tar Adhesive - Black	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: 003		
B04A 042304167-0010	Underneath HA02/03 - HA-004 - Asphalt Built-Up Roofing - Black	Black Fibrous Homogeneous	25% Glass	75% Non-fibrous (Other)	None Detected
			HA: 004		

Initial report from: 02/21/2023 09:32:55



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Tel/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com> / cinnasblab@EMSL.com

EMSL Order: 042304167
Customer ID: WIK50
Customer PO: 2477.07.51
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
B04B 042304167-0011	Underneath HA02/03 - HA-004 - Asphalt Built-Up Roofing - Black	Black Fibrous Homogeneous	30% Glass	70% Non-fibrous (Other)	None Detected
HA: 004					
B04C 042304167-0012	Underneath HA02/03 - HA-004 - Asphalt Built-Up Roofing - Black	Black Fibrous Homogeneous	15% Glass	85% Non-fibrous (Other)	None Detected
HA: 004					
B05A 042304167-0013	Underneath HA04 - HA-005 - Fiberboard - Tan	Tan Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
HA: 005					
B05B 042304167-0014	Underneath HA04 - HA-005 - Fiberboard - Tan	Tan Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
HA: 005					
B05C 042304167-0015	Underneath HA04 - HA-005 - Fiberboard - Tan	Tan Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
HA: 005					
B06A 042304167-0016	Along Roofing Edges/Prapets - HA-006 - Edge Flashing Tar - Black	Black Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
HA: 006					
B06B 042304167-0017	Along Roofing Edges/Prapets - HA-006 - Edge Flashing Tar - Black	Black Non-Fibrous Homogeneous		94% Non-fibrous (Other)	6% Chrysotile
HA: 006					
B06C 042304167-0018	Along Roofing Edges/Prapets - HA-006 - Edge Flashing Tar - Black				Positive Stop (Not Analyzed)
HA: 006					
B07A 042304167-0019	Associated with Roofing Mechanical Systems & Stacks - HA-007 - Mechanical Flashing Tar - Black	Black Non-Fibrous Homogeneous		93% Non-fibrous (Other)	7% Chrysotile
HA: 007					
B07B 042304167-0020	Associated with Roofing Mechanical Systems & Stacks - HA-007 - Mechanical Flashing Tar - Black				Positive Stop (Not Analyzed)
HA: 007					
B08A 042304167-0021	Over HA07 at Main Gym Roof Only - HA-008 - Silvercoat - Silver	Silver Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: 008					
B08B 042304167-0022	Over HA07 at Main Gym Roof Only - HA-008 - Silvercoat - Silver	Silver Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: 008					

Initial report from: 02/21/2023 09:32:55



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Tel/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com> / cinnasblab@EMSL.com

EMSL Order: 042304167
Customer ID: WIK50
Customer PO: 2477.07.51
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
B09A 042304167-0023	Associated with Metal Roofing over Recreation Center & Annex Building - HA-009 - Asphalt Coating - Black	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: 009		
B09B 042304167-0024	Associated with Metal Roofing over Recreation Center & Annex Building - HA-009 - Asphalt Coating - Black	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: 009		
B09C 042304167-0025	Associated with Metal Roofing over Recreation Building & Annex Building - HA-009 - Asphalt Coating - Black	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: 009		

Analyst(s)

Amy Schulze (16)

Christopher Ratcliffe (7)

Samantha Rundstrom, Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA LAP, LLC-IHLAP Lab 100194, NJ DEP 03036, PA ID# 68-00367, LA #04127

Initial report from: 02/21/2023 09:32:55

042304167



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING



4FF7-67GE-RQF2

Client Information
BrightFields, Inc.
Wilmington, DE

Project Overview
PO Number
Project Name Francis Myers Recreation Center
Project ID 2477.07.51
Client
Special Instructions ****POSITIVE STOP****
Bill To WIK50
Report to Contact
Report to Email kbeeson@brightfieldinc.com

Project Site
Building Type Commercial
Address 1 5801 Kingsessing Avenue
Address 2
City Philadelphia
State PA
Country US

Testing Laboratory
EMSL Analytical
200 Route 130 North
Cinnaminson, NJ

HA	Sample ID	Material	Location	Date/Time Collected	Matrix / Test Method	TAT	Notes
001	B01A	HA-001 - Chimney mortar / Gray	Associated with annex and rec center chimneys	Feb 15, 2023 10:11 AM	Asbestos Bulk / PLM EPA 600	72 Hour	
001	B01B	HA-001 - Chimney mortar / Gray	Associated with annex and rec center chimneys	Feb 15, 2023 10:11 AM	Asbestos Bulk / PLM EPA 600	72 Hour	
001	B01C	HA-001 - Chimney mortar / Gray	Associated with annex and rec center chimneys	Feb 15, 2023 10:11 AM	Asbestos Bulk / PLM EPA 600	72 Hour	
002	B02A	HA-002 - Asphalt rolled roofing / Black	As flat roofs at gymnasium	Feb 16, 2023 11:55 AM	Asbestos Bulk / PLM EPA 600	72 Hour	
002	B02B	HA-002 - Asphalt rolled roofing / Black	As flat roofs at gymnasium	Feb 16, 2023 11:55 AM	Asbestos Bulk / PLM EPA 600	72 Hour	
002	B02C	HA-002 - Asphalt rolled roofing / Black	As flat roofs at gymnasium	Feb 16, 2023 11:55 AM	Asbestos Bulk / PLM EPA 600	72 Hour	
003	B03A	HA-003 - Seam tar adhesive / Black	Associated with HA02	Feb 16, 2023 11:55 AM	Asbestos Bulk / PLM EPA 600	72 Hour	
003	B03B	HA-003 - Seam tar adhesive / Black	Associated with HA02	Feb 16, 2023 11:55 AM	Asbestos Bulk / PLM EPA 600	72 Hour	
003	B03C	HA-003 - Seam tar adhesive / Black	Associated with HA02	Feb 16, 2023 11:55 AM	Asbestos Bulk / PLM EPA 600	72 Hour	
004	B04A	HA-004 - Asphalt built-up roofing / Black	Underneath HA02/03	Feb 16, 2023 11:55 AM	Asbestos Bulk / PLM EPA 600	72 Hour	
004	B04B	HA-004 - Asphalt built-up roofing / Black	Underneath HA02/03	Feb 16, 2023 11:55 AM	Asbestos Bulk / PLM EPA 600	72 Hour	

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CINNAMINSON NJ

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Page 1 of 3

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4FF7-67GE-RQF2

HA	Sample ID	Material	Location	Date/Time Collected	Matrix / Test Method	TAT	Notes
004	B04C	HA-004 - Asphalt built-up roofing / Black	Underneath HA02/03	Feb 16, 2023 11:55 AM	Asbestos Bulk / PLM EPA 600	72 Hour	
005	B05A	HA-005 - Fiberboard / Tan	Underneath HA04	Feb 16, 2023 11:55 AM	Asbestos Bulk / PLM EPA 600	72 Hour	
005	B05B	HA-005 - Fiberboard / Tan	Underneath HA04	Feb 16, 2023 11:55 AM	Asbestos Bulk / PLM EPA 600	72 Hour	
005	B05C	HA-005 - Fiberboard / Tan	Underneath HA04	Feb 16, 2023 11:55 AM	Asbestos Bulk / PLM EPA 600	72 Hour	
006	B06A	HA-006 - Edge flashing tar / Black	Along roofing edges/prapets	Feb 16, 2023 12:07 PM	Asbestos Bulk / PLM EPA 600	72 Hour	
006	B06B	HA-006 - Edge flashing tar / Black	Along roofing edges/prapets	Feb 16, 2023 12:07 PM	Asbestos Bulk / PLM EPA 600	72 Hour	
006	B06C	HA-006 - Edge flashing tar / Black	Along roofing edges/prapets	Feb 16, 2023 12:07 PM	Asbestos Bulk / PLM EPA 600	72 Hour	
007	B07A	HA-007 - Mechanical flashing tar / Black	Associated with roofing mechanical systems and stacks	Feb 16, 2023 12:07 PM	Asbestos Bulk / PLM EPA 600	72 Hour	
007	B07B	HA-007 - Mechanical flashing tar / Black	Associated with roofing mechanical systems and stacks	Feb 16, 2023 12:07 PM	Asbestos Bulk / PLM EPA 600	72 Hour	
008	B08A	HA-008 - Silvercoat / Silver	Over HA07 at main gym roof only	Feb 16, 2023 12:07 PM	Asbestos Bulk / PLM EPA 600	72 Hour	
008	B08B	HA-008 - Silvercoat / Silver	Over HA07 at main gym roof only	Feb 16, 2023 12:07 PM	Asbestos Bulk / PLM EPA 600	72 Hour	
009	B09A	HA-009 - Asphalt coating / Black	Associated with metal roofing over recreation center and annex building	Feb 16, 2023 12:07 PM	Asbestos Bulk / PLM EPA 600	72 Hour	
009	B09B	HA-009 - Asphalt coating / Black	Associated with metal roofing over recreation center and annex building	Feb 16, 2023 12:07 PM	Asbestos Bulk / PLM EPA 600	72 Hour	
009	B09C	HA-009 - Asphalt coating / Black	Associated with metal roofing over recreation center and annex building	Feb 16, 2023 12:07 PM	Asbestos Bulk / PLM EPA 600	72 Hour	

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4FF7-67GE-RQF2

Sampled By / Date *[Signature]* Feb 16, 2023

Relinquished By / Date *[Signature]* Feb 16, 2023

Received (Lab) / Date *DMB-HX-930A* *2-17-23*

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Supplemental Asbestos Assessment Form
Francis J. Myers Recreation Center
5801 Kingsessing Avenue
Philadelphia, Pennsylvania 19143



REVISED CITY OF PHILADELPHIA ASBESTOS INSPECTION FORM



City of Philadelphia - Department of Public Health
Air Management Services, 2nd Fl. Asbestos Control Unit
321 University Ave. Philadelphia, PA 19104

Office Use Only

Date Received L&I:

Date Received AMS:

Date Inspected

Inspector No.

Asbestos Inspection Report

1. Name of Building / Property: _____ Address _____

2. Name of Building / Property Owner: _____ Address _____ Phone No. _____

3. Name of Philadelphia Certified Investigator: _____ Certification No. _____ Contact Information / Email / Phone No. _____

L&I Commercial Activity No. (Former Business Privilege License No.) _____ Business Tax ID No. _____

4. Name of Philadelphia Licensed Laboratory: _____ License No. _____ Phone No. _____

5. Scope of Work: (Insert or attach a complete description of the portion of the subject property inspected and the anticipated work that will result in the disturbance of the identified Asbestos Containing Materials (ACMs) (e.g. demolition, asbestos abatement, and / or renovation activities.)

6. Property has been declared to be in imminent danger (ID) of failure or collapse by the City of Philadelphia Department of Licenses & Inspections. Attached is a copy of the L&I Notice of Violation declaring the property I.D. ****Note: INVESTIGATOR MUST BE ON SITE DURING DEMOLITION!**

7. (ACMs) identified? Yes (List Below) No (explain)

8. Suspected ACM's sampled? Yes (attached are copies of the laboratory chain of custody and bulk sample results.) No (Why?)

9. List all identified ACM's located in the planned renovation/demolition areas. Damaged ACM must be listed and then repaired or removed prior to renovation. You (Investigator) must label all ACM that may be left in the work area. (Attached are add'tl sheets)

Location	Description	Type (Code 1)	Amount		Condition (Code 2)	Action (Code 3)
			Square	Linear		

Code 1

FRI - Friable
NF1 - Non-Friable, Cat. 1
NF2 - Non-Friable, Cat. 2

Code 2

DD - Deteriorated or Delaminated
ND - Non-Damaged

Code 3

REM - Removal necessary prior to Demo/Reno
NRN - No removal necessary, label ACM
REP - Repair & Label ACM, removal not necessary

10. I hereby certify that the foregoing statements are true and the information contained in this report is true. This certification is made subject to the penalties set forth in 18 PA. C.S. S4904 relating to unsworn falsification to authorities. Furthermore I certify that the inspection, sampling, and labeling requirements of section X of the Asbestos Control Regulation (ACR) have been met. The building owner has been notified of the ACR requirements and given a copy of this report. If the inspection has revealed ACM which will be disturbed by the proposed work or if it has revealed ACM in bad condition, the building owner has been notified to remove or repair the ACM in accordance with the ACR prior to renovation or demolition activity.

11. Signature of Certified Asbestos Investigator: _____ Date: _____ Signature of Building Owner: _____ Date: _____



9. List Asbestos Containing Materials (ACM) located in the planned renovation/demolition area(s). Damaged ACM must be listed and then repaired or removed prior to renovation. You (Investigator) must label all ACM that may be left in the work area.

Location(s)	Material	Type (Code 1)	Amount		Condition (Code 2)	Action (Code 3)
			Square	Linear		
Recreation Center Basement						
Large Center Open Area	Asbestos Containing Pipe & Pipe Fitting Insulation (ACPI/ACPFs)	FRI		245	DD	REM
Large East Area "Wing" below Auditorium	Asbestos Containing Pipe & Pipe Fitting Insulation (ACPI/ACPFs)	FRI		35	DD	REM
South Equip. Storage Rm. ("Harry's Room")	Asbestos Containing Pipe & Pipe Fitting Insulation (ACPI/ACPFs)	FRI		15	DD	REM
Common Hall o/s North Stairs	Asbestos Containing Pipe & Pipe Fitting Insulation (ACPI/ACPFs)	FRI		5	DD	REM
Various Crawlspace	Asbestos Containing Pipe & Pipe Fitting Insulation (ACPI/ACPFs)	FRI	Quantity Undetermined (QU)		N/A	REM
Recreation Center 1st Floor						
NE Community Room (adj. to Exit Stairs)	Asbestos Containing Vinyl Floor Tile below Non-Asbestos Tile and	NF1	310		ND	REM
All Common Halls	Asbestos Containing Vinyl Floor Tile below Non-Asbestos Tile and	NF1	960		ND	REM
Office adj. Community Room & Closets	Asbestos Containing Vinyl Floor Tile below Non-Asbestos Tile and	NF1	170		ND	REM
	Radiator heat Shield Insulation (ASSUMED to be present behind radiator)	FRI	16		ND	REM
North Office Areas & Closets	Asbestos Containing Vinyl Floor Tile below Non-Asbestos Tile and	NF1	456		ND	REM

11. Signature of Certified Asbestos Investigator:

Date:

2/27/2023

Signature of Building Owner:

Date:



Page 3 of 5 Francis Myers Recreation Center

9. List Asbestos Containing Materials (ACM) located in the planned renovation/demolition area(s). Damaged ACM must be listed and then repaired or removed prior to renovation. You (Investigator) must label all ACM that may be left in the work area.

Location(s)	Material	Type (Code 1)	Amount		Condition (Code 2)	Action (Code 3)
			Square	Linear		
Recreation Center 1st Floor						
North Storage adj. to Exit Stairs	Top Layer Asbestos Containing Vinyl Floor Tile below Plywood	NF1	120		DD	REM
	Radiator heat Shield Insulation (ASSUMED to be present behind radiator)	FRI	16		ND	REM
Storage Rm. Adj. Large Auditorium	Asbestos Containing Vinyl Floor Tile below Non-Asbestos Tile and	NF1	168		ND	REM
Game Room adj. Gym	Asbestos Containing adhesive a/w 1'x1' Ceiling Tile (ASSUMED to be present-inaccessible - heights)	NF1	450		ND	REM
South Stair Landings	Asbestos Containing Vinyl Floor Tile	NF1	180		ND	REM
Recreation Center 2nd Floor						
Throughout	ACPI (ASSUMED to be present inside of wall and ceiling cavities)	FRI	QU		N/A	REM
North Corner Office/Room	Asbestos Containing Vinyl Floor Tile	NF1	315		ND	REM
Large Open Area & Halls o/s Kitchen & Storage Rooms	Asbestos Containing Vinyl Floor Tile below Non Asbestos Floor Tile	NF1	510		ND	REM
Kitchen	Asbestos Containing Vinyl Floor Tile below Non Asbestos Floor Tile	NF1	130		ND	REM
Storage Rm. across from Kitchen	Asbestos Containing Vinyl Floor Tile below Non Asbestos Floor Tile	NF1	110		ND	REM

11. Signature of Certified Asbestos Investigator:

Date:

2/27/2023

Signature of Building Owner:

Date:



9. List Asbestos Containing Materials (ACM) located in the planned renovation/demolition area(s). Damaged ACM must be listed and then repaired or removed prior to renovation. You (Investigator) must label all ACM that may be left in the work area.

Location(s)	Material	Type (Code 1)	Amount		Condition (Code 2)	Action (Code 3)
			Square	Linear		
Recreation Center 2nd Floor						
Main Large Hallway	Asbestos Containing Vinyl Floor Tile below Non-Asbestos Tile and	NF1	580		ND	REM
SW Library Room	Asbestos Containing Vinyl Floor Tile below Non-Asbestos Tile and	NF1	750		ND	REM
Dance Studio	Asbestos Containing Vinyl Floor Tile below Non-Asbestos Tile and	NF1	705		ND	REM
Common Area o/s NE Bathrooms	Asbestos Containing Vinyl Floor Tile	NF1	40		ND	REM
Throughout	ACPI (ASSUMED to be present inside of wall and ceiling cavities)	NF1	QU		N/A	REM
Recreation Center Exterior						
Exterior	Window Caulk	NF1		15 Windows (165 linear)	ND	REM
Gym Roof - Along roofing edges/parapets	Edge Flashing Tar	NF1	1,000		ND	REM
Gym roof - Associated with Gym mechanical systems and stacks	Mechanical Flashing Tar	NF1	220		ND	REM
Annex 1st Floor						
Throughout – All Rooms/Areas	Asbestos Containing Vinyl Floor Tile below Non-Asbestos Tile/Carpet and Plywood	NF1	1,958		ND	REM
Annex 2nd Floor						
Throughout – All Rooms/Areas & Stairwell Landings (except Bathrooms)	Tan 9"x 9" Asbestos Containing Vinyl Floor Tile	NF1	1,800		DD	REM

11. Signature of Certified Asbestos Investigator:

Date:

2/27/2023

Signature of Building Owner:

Date:



Page 5 of 5 Francis Myers Recreation Center

9. List Asbestos Containing Materials (ACM) located in the planned renovation/demolition area(s). Damaged ACM must be listed and then repaired or removed prior to renovation. You (Investigator) must label all ACM that may be left in the work area.

Location(s)	Material	Type (Code 1)	Amount		Condition (Code 2)	Action (Code 3)
			Square	Linear		
Annex 3rd Floor						
Front-Center Room	Red 9"x 9" Asbestos Containing Vinyl Floor Tile	NF1	270		ND	REM
Annex Exterior						
Exterior (1st floor only)	Window Caulk	NF1/NF2		6 Windows (90 linear feet total)	ND	REM

11. Signature of Certified Asbestos Investigator:

Date:

2/27/2023

Signature of Building Owner:

Date: