



New Jersey Department of Environmental Protection
 Site Remediation and Waste Management Program

RECEPTOR EVALUATION (RE) FORM

Date Stamp
 (For Department use only)

SECTION A. SITE

Site Name: Solvay Specialty Polymers USA, LLC; AKA Pennwalt, Elf Altochem, Ausimont, and Solvay Solexis
 Program Interest (PI) Number(s): 015010
 Communication Center Number(s) and/or ISRA number(s) for this submission: (as many as will fit in the space provided)
22-04-08-1354-45

**This form must be attached to the Cover/Certification Form
 if not submitted through a Remedial Phase Online Service**

Indicate the type of submission:

- Initial RE Submission
- Updated RE Submission
 Indicate the reason for submission of an updated RE form
 - Submission of an Immediate Environmental Concern (IEC) source control report;
 - Submission of a Remedial Investigation Report;
 - Submission of a Remedial Action Report;
- Check if included in updated RE
 - The known concentration or extent of contamination in any medium has increased;
 - A new AOC has been identified;
 - A new receptor is identified;
 - A new exposure pathway has been identified.

SECTION B. ON SITE AND SURROUNDING PROPERTY USE

1. Identify any sensitive populations/uses that are currently on-site or surrounding property usage within 200 feet of the site property boundary (check all that apply):

	On-site	Off-site
None of the following	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Residences or residential property	<input type="checkbox"/>	<input type="checkbox"/>
Public or Private Schools Grades K-12	<input type="checkbox"/>	<input type="checkbox"/>
Child care centers	<input type="checkbox"/>	<input type="checkbox"/>
Public parks, playgrounds or other recreation areas	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other sensitive population use(s) Explain _____	<input type="checkbox"/>	<input type="checkbox"/>

If any of the above applies, attach a list of addresses, facility names, type of use, and a map depicting each location relative to the site.

2. Current site uses (check all that apply):

- | | | |
|--|---------------------------------------|---|
| <input checked="" type="checkbox"/> Industrial | <input type="checkbox"/> Residential | <input type="checkbox"/> Commercial |
| <input type="checkbox"/> School or child care | <input type="checkbox"/> Government | <input type="checkbox"/> Park or recreational use |
| <input checked="" type="checkbox"/> Vacant | <input type="checkbox"/> Agricultural | <input checked="" type="checkbox"/> Other: <u>Solar</u> |

3. Planned future on-site uses and off-site uses within 200 feet of the site boundary (check all that apply):

<u>On-Site</u>	<u>Off-Site</u>	<u>On-Site</u>	<u>Off-Site</u>	<u>On-Site</u>	<u>Off-Site</u>
<input checked="" type="checkbox"/>	<input type="checkbox"/> Industrial	<input type="checkbox"/>	<input type="checkbox"/> Residential	<input type="checkbox"/>	<input checked="" type="checkbox"/> Commercial
<input type="checkbox"/>	<input type="checkbox"/> School or child care	<input type="checkbox"/>	<input type="checkbox"/> Government	<input type="checkbox"/>	<input checked="" type="checkbox"/> Park or recreational use
<input checked="" type="checkbox"/>	<input type="checkbox"/> Vacant	<input type="checkbox"/>	<input checked="" type="checkbox"/> Agricultural	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Other: <u>Solar; Class I RR (off-site)</u>

Provide a map depicting the location of the proposed changes in land use.

SECTION C. DESCRIPTION OF CONTAMINATION

1. Identify if any of the following exist at the site:

Yes No

Free product [N.J.A.C. 7:26E-1.8] identified is LNAPL* or DNAPL**.

Date identified: _____

Residual product [N.J.A.C. 7:26E-1.8]

Other primary source materials not identified above (e.g., buried drums, containers, unsecured friable asbestos). See form instructions for additional information.

Explain: _____

* LNAPL – measured thickness of .01 feet or more

**DNAPL – See *Ground Water Technical Guidance and USEPA Assessment and Delineation of DNAPL Source Zones at Hazardous Waste Sites* (attached as Appendix A of the NJDEP GW Guidance) available at: http://www.nj.gov/dep/srp/guidance/#pa_si_ri_gw. Also, see US EPA DNAPL Overview available at: [http://clu.in.org/contaminantfocus/default.focus/sec/Dense_Nonaqueous_Phase_Liquids_\(DNAPLS\)/cat/Overview](http://clu.in.org/contaminantfocus/default.focus/sec/Dense_Nonaqueous_Phase_Liquids_(DNAPLS)/cat/Overview)

2. Soil Migration Pathway

Has soil contamination been delineated to the applicable Direct Contact Soil Remediation Standard pursuant to N.J.A.C. 7:26E-4.2? Yes No

Are all soils either below the applicable Direct Contact Criteria or under an institutional control (i.e. deed notice)? Yes No

3. If this evaluation is submitted with a technical document that includes contaminant summary information, proceed to Section D. Otherwise, attach a brief summary of all currently available data and information to be included in the site investigation or remedial investigation report.

SECTION D. GROUND WATER USE

See Attachment D for additional information.

1. Have all potentially contaminated areas of concern been evaluated to determine if there is a potential that ground water is contaminated pursuant to N.J.A.C. 7:26E-3.5? Yes No

If "No," proceed to Section E.

2. Is a ground water investigation required? Yes No

If "No," proceed to Section E.

3. Has a groundwater investigation been conducted? Yes No

If "Yes":

Has the laboratory data package been received? Yes No

If the laboratory data package has not been received, provide the expected due date for data: _____ and proceed to Section E.

If "No":

Proceed to Section E.

4. Is ground water contaminated above the Ground Water Remediation Standards [N.J.A.C. 7:9C]? Yes No

If "Yes": Provide the date that the laboratory data package was available and confirmed contamination was identified above the Ground Water Remediation Standards. Date: 03/15/2023

If "No": Proceed to Section E.

5. Has ground water contamination been delineated to the applicable Remediation Standard pursuant to N.J.A.C 7:26E-4.3? Yes No

6. What is the ground water classification for this site as per N.J.A.C. 7:9C? (check all that apply)

- Class I-A Class II-A
- Class I-PL Pinelands Protection Area Class III-A
- Class I-PL Pinelands Preservation Area Class III-B

7. Has a well search been completed? Yes No
 Date of most recent or updated well search: 03/13/2023

8. Is a completed Well Search Spreadsheet or historical well search table attached and has an electronic copy of the spreadsheet been submitted to srpgis_wrs@dep.nj.gov. Yes No
Note: Redacted wells must be excluded from all non-confidential documents including maps, tables, etc. (see RE Instructions).
 If "No," explain: _____

9. Are any potable or irrigation wells located within 1/2 mile of the currently known extent of contamination? Yes No
 If "Yes,":

- A door to door survey is required in accordance with [N.J.A.C.7:26E-1.14(a)ii]. Attach results of the door to door survey.
- Identify if any of the following conditions exist based on the well search and door to door survey [N.J.A.C.7:26E-1.14(a)]:

<u>Yes</u>	<u>No</u>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Potable wells located within 500 feet from the downgradient edge of the currently known extent of contamination.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Potable wells located 250 feet upgradient or 500 feet side gradient of the currently known extent of contamination.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Ground water contamination from the discharge is located within a Tier 1 wellhead protection area (WHPA).

10. Has sampling been conducted of potable well(s) and /or non-potable use well(s)? Yes No
 If "No," provide justification then proceed to Question 12.
See attached narrative.

11. Has contamination been identified in potable well(s), **not attributed to background conditions**, above the Class II Ground Water Remediation Standards or State Safe Drinking Water levels, N.J.A.C 7:1E, whichever is applicable? Yes No
 If "Yes":

- Provide the date laboratory data package was received: _____
- Follow the **IEC** Guidance Document at <http://www.nj.gov/dep/srp/guidance/IEC/index.html> for required actions and answer the following:
- Has an engineered system response action been completed on all impacted receptors? Yes No
 Provide a brief narrative description:

Date completed: _____ NJDEP Case Manager: _____

12. Has contamination been identified in non-potable well(s), **not attributed to background conditions**, above the Class II Ground Water Remediation Standards? Yes No
 If "Yes," provide the date laboratory data package was received: 03/15/2022

13. Has the ground water use evaluation been completed pursuant to N.J.A.C. 7:26E-1.14? Yes No

SECTION E. VAPOR INTRUSION (VI)

1. Indicate if any of the following conditions exist that trigger a Vapor Intrusion investigation. For each condition checked "Yes", provide the date the condition was first identified (e.g. date laboratory data package was available). (see NJDEP Vapor Intrusion Technical Guidance)

<u>Yes</u>	<u>No</u>	<u>Date Condition First Identified</u>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Ground water contamination in excess of the NJDEP Vapor Intrusion Ground Water Screening Levels (VIGWSL) and within 30 feet of a building for Petroleum Hydrocarbon Compounds (PHC) or 100 feet for non-PHC compounds .. _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Free product within 30 feet of a building for PHC or 100 feet for non-PHC compounds _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Soil gas contamination detected at concentrations that exceed the Soil Gas Screening Levels (SGSL) _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Indoor air contamination that exceeds the Indoor Air Screening Levels..... _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Wet basement or sump containing free product or ground water containing detectable concentration of volatile organic contaminants _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Methane generating conditions causing oxygen deficient or explosion concern _____
<input type="checkbox"/>	<input type="checkbox"/>	Other human or safety concern from the VI pathway (i.e. elemental mercury, unsaturated soil contamination), <i>explain below:</i> _____

If you checked "No" to all boxes in Question 1., proceed to Section F, "Ecological Receptors", otherwise complete the rest of this section.

2. Has ground water contamination been delineated to the applicable Vapor Intrusion Ground Water Screening Levels pursuant to N.J.A.C 7:26E-4.3? Yes No
3. Was a site-specific screening level, modeling or other alternative approach employed for the VI pathway? Yes No
4. Identify and locate, on a scaled map, any buildings/sensitive populations that exist within the following distances from ground water contaminant concentrations above the Vapor Intrusion Ground Water Screening Levels or other specific triggers noted in Question 1 above.:
- | <u>Yes</u> | <u>No</u> |
|--------------------------|--------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> |
5. Is the vapor intrusion pathway a concern at or adjacent to the site? (if "No," attach justification) Yes No
6. Has soil gas sampling of the building(s) been conducted? Yes No
- If "Yes," has the laboratory data package been received? Yes No
- If the data package was received, did constituents exceed the Soil Gas Screening Levels? Yes No
- If "No," attach technical justification consistent with the NJDEP Vapor Intrusion Technical Guidance.
7. Has indoor air sampling been conducted at the identified building(s)? Yes No
- If "Yes," has the laboratory data package been received? Yes No
- If the data package has been received, did constituents exceed the Indoor Air Screening Levels? .. Yes No
- If "No," or awaiting indoor air laboratory data package, proceed to Question 12.

8. Has indoor air contamination been identified but not suspected to be from a discharge? (if "Yes," attach justification) Yes No
9. Were indoor air results above the NJDEP's Rapid Action Levels? Yes No
- If "Yes":
- Provide the date laboratory data package was received: _____
 - Follow the IEC Guidance Document at <http://www.nj.gov/dep/srp/guidance/index.html#iec> for required actions and answer the following:
 - Was the IEC engineering system response for control implemented for all impacted structures? Yes No
- Date implemented: _____ NJDEP Case Manager: _____
10. Were the results of indoor air sampling above the NJDEP's Indoor Air Screening Levels but at, or below, the Rapid Action Levels Yes No
- If "Yes," answer the following:
- Provide the date laboratory data package was received: _____
 - Has the Vapor Concern (VC) Response Action Form notifying the NJDEP of the exceedances been submitted? Yes No
 - Date: _____
 - Has a plan to mitigate and monitor the exposure been submitted? Yes No
 - Date: _____
 - Has the Mitigation Response Action Report been submitted? Yes No
 - Date: _____
11. Do one or more buildings have an Indeterminate VI Pathway status? Yes No
- If "Yes," attach a list of the building(s) with address(s) and block/lot(s)
12. Has the vapor intrusion investigation been completed? Yes No
- If "No", is the vapor intrusion investigation stepping out as part of the site investigation or remedial investigation. (If "No," attach justification) Yes No

SECTION F. ECOLOGICAL RECEPTORS

See Attachment F for additional information.

1. Has an Ecological Evaluation (EE) been conducted? [N.J.A.C. 7:26E-1.16] Yes No
Date conducted: 03/17/2023
2. Are any site-related contaminants above any Ecological Screening Criteria? Yes No
3. Are there any Environmentally Sensitive Natural Resources (ESNRs) on or adjacent to the site, or potentially impacted by site related contamination? [N.J.A.C. 7:26E-1.16] Yes No
4. Do any potential or complete migration pathways exist between Contaminant of Potential Ecological Concern (COPECs) and ESNRs, or did historic migration pathways exist? Yes No

If You answered "No" to Questions 2, 3, or 4, above Stop Here (form is complete).

5. If site-related free or residual product is/was present, does/did a potential or complete migration pathway exist to an ESNR? Yes No
6. Do the results of an EE trigger a remedial investigation of ecological receptors? [N.J.A.C. 7:26E-4.8] Yes No
- If "Yes", has a remedial investigation of ecological receptors been conducted? Yes No
- Date conducted: _____

7. Do available data indicate an impact (COPECs above Ecological Screening Criteria in ESNRs) to Ecological Receptor(s), Surface water, or Sediment? Yes No

If "Yes,"

a) Check all ESNRs or media that apply:

Surface water Sediment Soil Wetlands

b) If this information is not submitted with an ecological evaluation that includes contaminant summary information, attach a brief summary of all currently available data and a description of all actions to be taken to mitigate exposure.

8. Have COPECs been fully delineated to the Ecological Screening Criteria [N.J.A.C. 7:26E-4.8(a)] in:

a) Migration pathways Yes No

b) ESNR Yes No

9. Has an Ecological Risk Assessment been conducted? Yes No

10. Provide the following information for any on-site and/or off-site surface water body, which is potentially impacted by the site related discharges:

Surface Water Body Name	Stream Classification	Antidegradation Designation	Trout Production	Trout Maintenance
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>

11. Has a Program Interest (PI) or Permit number been issued for any regulated areas by the Division of Land Use Regulation? (e.g. wetlands, transition areas, flood hazard areas, coastal areas, tidelands, etc.) Yes No

If "Yes,":

Identify the type(s) of regulated areas: _____

Provide the Land Use Regulation Program (LURP) PI or Permit number(s) for the site:

12. Are there any **pending** applications for LURP jurisdiction letters or approvals under review by the NJDEP for the remediation? Yes No

13. Are there any **valid** LURP jurisdiction letters or approvals issued for the remediation? Yes No

Completed forms should be sent to the municipal clerk, designate health department, and:

Bureau of Case Assignment & Initial Notice
 Site Remediation Program
 NJ Department of Environmental Protection
 401-05H
 PO Box 420
 Trenton, NJ 08625-0420

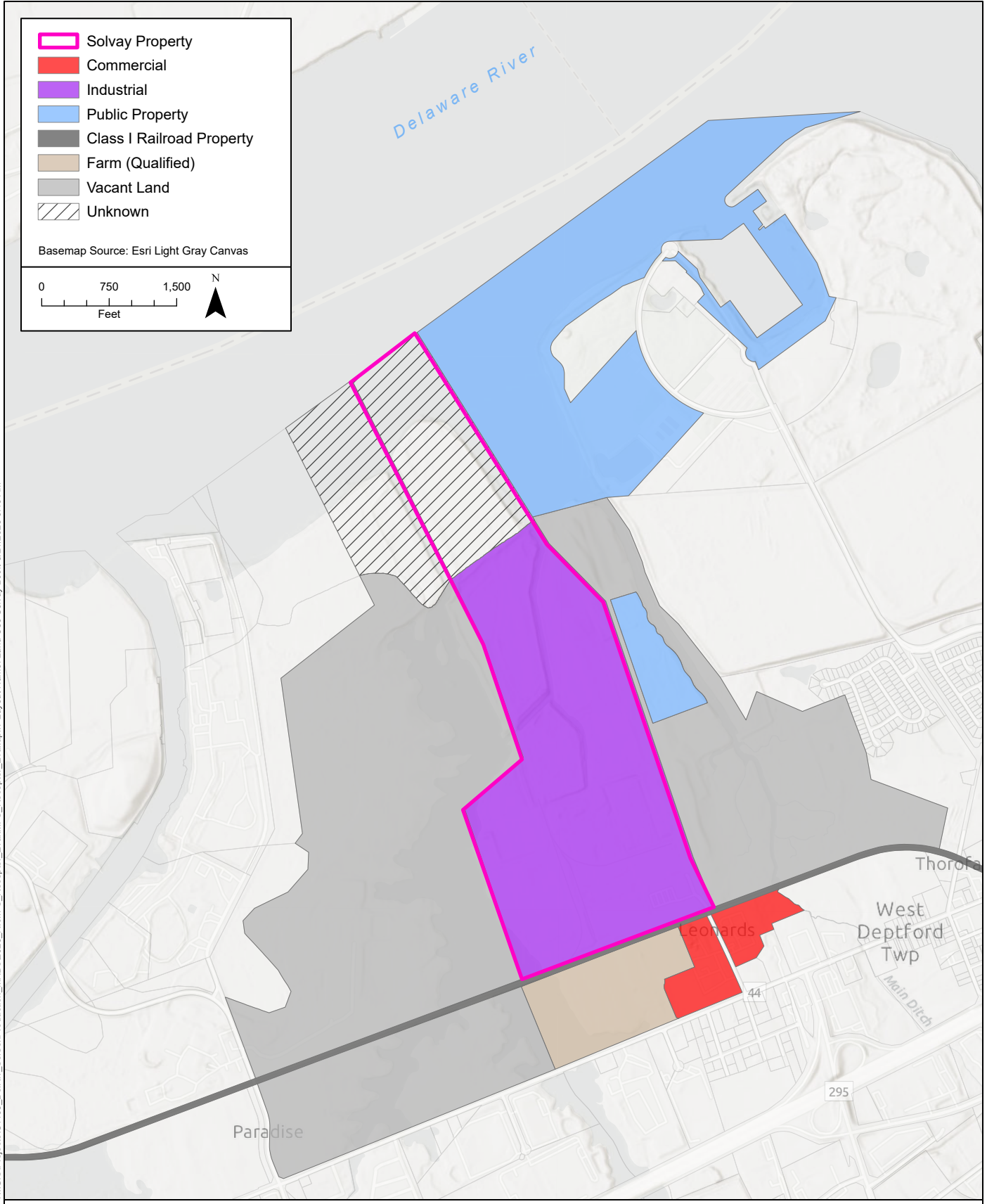
Section B

On Site and Surrounding Property Use

Response to Section B: On Site and Surrounding Property Use

The Property comprises 243 acres at 10 Leonard Lane in West Deptford Township, Gloucester County, New Jersey (Figure B1). It is in a mixed-use commercial/industrial area on the bank of the Delaware River, occupying approximately 800 ft of shoreline and expanding inland approximately 1.25 miles. The Property is zoned for industrial uses and is currently used for the manufacturing of industrial chemicals and as a solar farm. The active manufacturing plant area covers approximately 34 acres of the Property, the solar farm covers approximately 28 acres, and the remaining acreage is undeveloped natural areas. No changes to zoning or uses are anticipated for the Property.

Surrounding land parcels within 200 feet of the Site are zoned for light or heavy manufacturing and are used either for industrial, commercial, or leased agricultural purposes. A portion of the Riverwinds property owned by West Deptford falls within the 200 foot buffer, which is designated as recreational use. A map showing the zoning for the surrounding land parcels is included as Figure B1 and information on each property is included as Table B1. Parcel information displayed on the figure and table are from publically available sources including GIS layers maintained by the State of New Jersey and tax parcel information maintained by Gloucester County.



N:\GIS\Projects\C1185_DeIRv_SolSol\Production_MXD\2023_RIM\FS_Receptor_Eval\MFS_Receptor_Eval.aprx_Layout Name: Land Use Solvay 200ft 3/21/2023 9:10 AM



Figure B1.
Land Use Within 200 feet of Solvay Property

Note: Land use information provided by publicly available layers maintained by the State of New Jersey.

Table B1. List of Property and Property Use within 200 feet of Property Boundary

Block	Lot	Property Class	Address	Municipality
344	2.02	Farm (Qualified)	140 Crown Point Road	West Deptford Twp.
465	1.01	Class I Railroad Property	Penns Grove RR Tracks	West Deptford Twp.
344	2	Vacant Land	1 Paradise Road	West Deptford Twp.
328	1.02	Vacant Land	3 Paradise Road	West Deptford Twp.
328	1.01	Industrial	10 Leonard Lane	West Deptford Twp.
328	5	Vacant Land	Jobstown	West Deptford Twp.
344	2.01	Commercial	160 Crown Point Road	West Deptford Twp.
328	1.07	NA	NA	West Deptford Twp.
328	5.01	Public Property	Off Crown Point Road	West Deptford Twp.
328	1.06	NA	NA	West Deptford Twp.
328	7	Public Property	Riverwinds Drive	West Deptford Twp.
345	1	Commercial	9 Leonard Lane	West Deptford Twp.

Notes:

Owner information is redacted by the New Jersey Office of GIS (Daniels Law, PL2020 c.125).

NA = Information not available.

Section C

Description of Contamination

Response to Section C3: Description of Contamination

This initial Receptor Evaluation (RE) document is being submitted as a standalone document for monofunctional surfactants (MFS), which is a chloro-perfluoro-polyether carboxylic acid [CIPFPECA]) identified at the Solvay West Deptford facility located at 10 Leonard Lane, West Deptford, New Jersey (Site). At the Site, small amounts of MFS was used beginning in 1996 and increased upon the phase out of the use of Surflon® in 2010 until the use of all fluorinated process aids in PVDF and fluoroelastomer manufacturing was phased out in June 2021. (Integral 2022a).

Soil samples were collected at the Site in November 2021 and March 2022. MFS was detected in the sample results and these data were used as the basis for reporting a Confirmed Discharge at the Site for MFS on April 8, 2022. Incident number 22-04-08-1354-45 and activity code LSR220001 were assigned.

At the time of this Initial RE, the only regulatory standard in place is the Interim Specific Ground Water Quality Criterion (ISGWQC) of 0.002 µg/L (individually or combined). There currently are no promulgated standards for soil, surface water, or sediment, and there are no NJDEP-certified analytical methods for MFS.

Multiple documents have been submitted to the New Jersey Department of Environmental Protection (NJDEP) discussing concentrations of MFS identified in soils and groundwater including:

- April 28, 2022: Technical Memorandum (discussing method study to develop Project-Specific Acceptance Criteria [PSAC Study])
- November 11, 2022: Technical Memorandum (discussing the PSAC Study and offsite groundwater investigation activities)
- December 16, 2022: Technical Memorandum (discussion investigation activities within the Laydown Area including temporary well point investigation)
- February 8, 2023: Interim Groundwater Remedial Investigation Report (summarizing groundwater sampling results collected to date and associated conclusions regarding groundwater conditions)

Concentrations of MFS in soil have been reported at the Site and will continue to be investigated as part of future remedial activities. MFS has been observed in offsite groundwater within the known extent of the PFNA footprint, and a groundwater monitoring program for MFS has been established. Additional investigation activities are proposed to address data gaps and continue groundwater characterization as described in the Interim Groundwater Remedial Investigation Report (Integral 2023).

Section D

Ground Water Use

Response to Section D: Ground Water Use

Remedial investigation of groundwater related to the Solvay West Deptford facility have historically been completed for other contaminants of concern including perfluorononanoic acid (PFNA). MFS in groundwater are limited to the aerial extent of the PFNA plume footprint and potable well receptors that may be impacted by MFS have been previously investigated and mitigated under the PFNA investigation. As such, historical information related to PFNA and additional MFS-specific actions are discussed in the sections below.

2013-2015 Potable Well Sampling and Canvassing

Extensive potable well canvassing and sampling occurred between 2013 and 2015 prior to the promulgation of standards for PFNA. In cooperation with the NJDEP and the townships of West Deptford and East Greenwich, a number of potentially potable wells were identified in 2013. This exercise was not completed as part of a traditional well search or RE, as remediation standards for PFNA had not been developed at the time of the activity and a well search/RE was not triggered (groundwater sampling for PFNA had not been completed at the time of potable well sampling). Once compiled from multiple sources (Table 1 below), a list of the locations that were determined to be likely to have one or more potable wells were provided to NJDEP and the U.S. Environmental Protection Agency (EPA).

Table 1. Data Set and Information Sources for Potable Well Identification

Dataset or Information Source	File Type	Description
NJDEP Dataset	MS Excel Workbook	482 records. List of wells in Gloucester County, NJ maintained by NJDEP and provided by the LSRP in Feb. 2014. Includes information on Well Permit ID, coordinates, and street addresses.
West Deptford Dataset	MS Excel Workbook	46 records. List of wells in West Deptford Township.
New Jersey Well Permit Database	On-line utility ^a	Cross reference Well ID by block and lot number, county and date, permit number, street address, drillers and pump installers, and permit report by county.
Google Earth	On-line utility ^b	Aerial photographs of physical structures at the block and lot scale.
Gloucester County Tax Parcel Database	On-line utility ^c	List of all tax parcels within Gloucester County. Includes address, block, and lot numbers.

Notes:

^a NJ Well Permits: http://datamine2.state.nj.us/DEP_OPRA/OpraMain/categories?category=WS+Well+Permits

^b Google Earth: www.google.com/earth/

^c Gloucester County Tax Parcels: www.gloucesterva.info/GeographicInformationSystemsGIS/tabid/692/Default.aspx

The following sequence of steps were used to improve the completeness and accuracy of the raw data received from NJDEP and West Deptford.

1. Combine information from NJDEP and West Deptford to develop a database with common field names describing identifiers of the well, physical location, and resident or owner.
2. Filter the combined dataset to retain domestic, domestic replacement, non-public, public community, public community replacement, public non-community, and public non-community replacement well locations.
3. Filter out decommissioned or inactive wells.
4. Remove duplicates, defined as records with the same Well Permit IDs.
5. Confirm that locations with coordinates are associated with a physical structure that can be logically placed in West Deptford or East Greenwich using Google Earth.
6. Append records that are missing coordinates based on reported physical address or block/lot estimates.
7. Import dataset with coordinates into a geographic information system (GIS) to reconcile locations outside of township boundaries.
8. For records that fall outside of the township boundaries, search for Well Permit IDs using the online New Jersey Well Permit Database to confirm coordinates or identify additional coordinate information.
9. Confirm and append information on physical address and parcel information using parcel records from the Gloucester County Tax Parcel database.
10. Wells inside an area downgradient from the site were queried in GIS and retained. Wells that fell outside of the area downgradient from the site (outside of western West Deptford and select wells near the East Greenwich/West Deptford boundary) were removed.
11. A preliminary address list was generated for mailing introduction letters based on locations where physical addresses could be identified from the preceding steps.
12. The address list was appended following a meeting with East Greenwich officials on May 14, 2014. Additional locations were added to include residences on Fawn Meadow Road and Whiskey Mill Road.

Results of this analysis found the following:

- A total of 44 addresses were identified in East Greenwich.
- A total of 124 addresses were identified in West Deptford.

Letters were sent to residences, followed by door to door canvassing activities. Samples were collected by Solvay's subcontractors and sent for laboratory analysis for per and polyfluoroalkyl

substances (PFAS). Results were reported to NJDEP in the form of deliverables containing sample results and address lists; homeowners were notified of the results via written letters. A total of 98 properties were sampled as part of this activity. Locations not sampled included vacant properties and properties that were confirmed to have no private potable well.

Deliverables to NJDEP documenting the potable well identification and sampling were provided to the NJDEP as follows:

- Deliverable 1 – June 19, 2014
- Deliverable 2 – July 1, 2014
- Deliverable 3 – July 12, 2014
- Deliverable 4 – August 13, 2014
- Deliverable 5 – October 13, 2014
- Deliverable 6 – November 5, 2014
- Deliverable 7 – February 6, 2014
- Deliverable 8 – September 17, 2015
- Deliverable 9 – October 27, 2015

In addition, well canvass activities have been conducted under the ECRA/ISRA Case Nos. E89231, E90205, 20020018 for constituents including VOCs and the activities reported in the Receptor Evaluation submitted for the Site (ERM 2016)

The following municipalities were selected for sampling in consultation with NJDEP. Aqueous samples of both raw and finished water were collected from the following:

- East Greenwich
- Greenwich Township
- National Park
- Paulsboro
- West Deptford
- Westville
- Woodbury

Sampling was completed quarterly in 2013–2014 and results submitted to NJDEP in the form of quarterly monitoring reports. Results were also submitted to the NJDEP in the Conceptual Site Model (Integral 2022).

IEC Mitigation

Investigation activities related to PFAS (Activity No. RPC140002) include management of a Potable Well Immediate Environmental Concern (IEC), Incident number 1511125-1651.03. The IEC was initially called in to the NJDEP within 24 hours of NJDEP's posting of an IGWQC for PFNA on November 25, 2015. Using the canvassing activities completed in 2013–2015, a total of 11 domestic potable wells were identified exceeding the IGWQC for PFNA. Additional

locations were later added as investigation activities expanded, bringing the total to 19 properties.

NJDEP had provisioned point-of-entry treatment (POET) systems at 16 of the properties prior to the implementation of the IGWQC (the remaining 3 properties were vacant and did not require a POET system). Municipal water lines were installed at all but one property. Five of these water line hookups along Kings Highway were completed in April 2017, and 13 water line hookups were completed in January 2020. The remaining property, added to the IEC list in 2019, is an industrial property that continues to have a POET system on its supply well, which is not used for potable purposes. This well is sampled on a semiannual basis each year. Documentation of the sampling and any maintenance activities for this POET system are included in the Annual Monitoring and Maintenance Report. The most recent Annual Monitoring and Maintenance Report was submitted to NJDEP on February 15, 2023, which reported no exceedances of the GWQS for PFNA.

Response actions have been completed as part of this IEC (water line or POET installation utilizing granular activated carbon) to eliminate a pathway from PFNA impacts to drinking water receptors, and groundwater investigations completed to date show that concentrations of total MFS are contained within the known extent of the PFNA footprint. Therefore, there is no immediate risk to human health identified to MFS.

Well Search Results and Remedial Investigation Activities

A well search was completed for this Initial RE in accordance with N.J.A.C. 7:26E-1.14. The approximate extent of MFS as reported in the Interim Groundwater Remedial Investigation Report submitted on February 8, 2023 was used to complete well searching using the SRP Well Search tool on NJ DataMiner. Multiple well searches were completed to provide appropriate coverage and the results compiled into the attached SRP Well Search table. Figure D1 presents the results of the well search findings with associated buffers.

As described in the sections above, mitigation efforts have been completed at private well locations through the completion of water line connections and POET installation. These activities would also mitigate any impact to a private well from MFS at that same location. However, the well search did not return well decommissioning reports for all wells that were known to be removed as part of the water connection activities, especially the area along Kings Highway. As permits for all of the locations sampled and evaluated from 2013-2015 could not be located, Integral has requested the well records for all wells produced in Table D1. The well permits received from this request will be compared to the mapped locations (using the X/Y coordinates) to the address and property information included on the permits. If there are any discrepancies noted, an updated well search spreadsheet will be submitted with the RE submitted as part of the remedial investigation report. In addition, wells that have been confirmed as decommissioned will be removed from Table D1 and Figure D1.

A Remedial Investigation Work Plan for Potable Well Sampling was submitted on June 29, 2022 to address concentrations of MFS in groundwater, and as part of the Interim Groundwater RI, a potable well search was proposed due to concentrations of PFNA in the monitoring well cluster MW-119S/D. No additional wells were identified downgradient within 500 feet, but additional sampling has been proposed along Hillside Road and River Road in response to observed concentrations of PFNA in the MW-125 well cluster. At the time of this initial RE, Solvay is actively communicating with homeowners who have potentially potable wells to arrange access for sampling. Every sampled potable well will be analyzed for both PFNA and MFS. When available, results will be provided to NJDEP.

Because West Deptford PWS Wells #3, which is currently not operating, Well #4 which operates infrequently as PFNA results are below regulatory standard, and Well #8, which has an active ion exchange treatment system for PFAS, are located within the footprint of the MFS plume, these wells will be sampled for MFS. The wells are sampled by the township for PFAS as part of NJDEP monitoring requirements and Solvay is working to coordinate with West Deptford to schedule the sampling.

Table D1. Well Search Map Key

Map ID	Permit Number	Well Classification	Physical Address	Easting (X)	Northing (Y)
A1	E201502583	Agric/Hort/Aqua Irrigation	221 Ogden Station Road	296837	355692
A2	5100000125	Agric/Hort/Aqua Irrigation		303869	367484
B1	3000000201	Domestic		287401	366399
B2	3000000027	Domestic	CROWN POINT ROAD	287852	364405
B3	3000003287	Domestic	90 BERKLEY RD	288849	359001
B4	3000002148	Domestic		290554	370421
B5	3000003306	Domestic		290997	357567
B6	3000002180	Domestic		293566	356838
B7	3000005655	Domestic	KINGS HWY & HILLSIDE RD	293578	358254
B8	3000001375	Domestic		293588	359570
B9	3000002750	Domestic		293652	367664
B10	3000002863	Domestic		294118	357542
B11	E201217347	Domestic	18 Hillside Road	294351	358160
B12	3000006502	Domestic	4 RIVER ROAD DRIVE	294581	356830
B13	3000008014	Domestic	KINGS HIGHWAY	294592	358246
B14	3000006078	Domestic	12 RIVER ROAD	295081	357602
B15	3000000012	Domestic	RIVER DRIVE RD	295081	357602
B16	3100006571	Domestic		295564	352876
B17	3100006679	Domestic		295564	352876
B18	3100017809	Domestic		295606	358238
B19	3100004625	Domestic		295628	360970
B20	3100000441	Domestic		295680	367648
B21	3100002174	Domestic		296105	352164
B22	3100020471	Domestic		296182	352062
B23	3100024818	Domestic		296182	352062
B24	3100001839	Domestic		296221	367037
B25	3100022145	Domestic		296246	360156
B26	3100056451	Domestic	CREEK LANE	296646	351451
B27	3100064788	Domestic	OGDEN STATION RD	296678	355498
B28	3100001624	Domestic		296678	355498
B29	3100002998	Domestic		296688	356813
B30	3100003507	Domestic		296688	356813
B31	3100003668	Domestic		296688	356813
B32	3100001558	Domestic		296709	359545
B33	3100003345	Domestic		296709	359545
B34	3100000565	Domestic		296772	367640
B35	3100005318	Domestic		296782	368955
B36	3100003538	Domestic		296793	370371
B37	3100019898	Domestic	PRICKETTS MILL RD	297173	358934
B38	3100020470	Domestic		297197	352054
B39	3100025220	Domestic		297197	352054
B40	3100025455	Domestic		297197	352054
B41	3100025457	Domestic		297197	352054
B42	3100025459	Domestic		297197	352054
B43	3100056470	Domestic	26 CREEK LANE	297661	351443
B44	3100056468	Domestic	27 CREEK LANE	297661	351443
B45	3100027022	Domestic	BOX 382F	297661	351443
B46	3100042418	Domestic	CREEK LANE	297661	351443
B47	3100027021	Domestic	FAWN MEADOW DRIVE	297661	351443
B48	3100027497	Domestic	FAWN MEADOW DRIVE	297661	351443
B49	3100028043	Domestic	FAWN MEADOW DRIVE	297661	351443
B50	3100027513	Domestic	FAWN MEADOWS DRIVE	297661	351443
B51	3100011880	Domestic		297661	351443
B52	3100017846	Domestic		297661	351443
B53	3100027014	Domestic		297661	351443
B54	3100027015	Domestic		297661	351443
B55	3100027648	Domestic		297661	351443
B56	3100028409	Domestic		297661	351443
B57	3100030695	Domestic		297661	351443
B58	3100035003	Domestic		297661	351443
B59	3100035644	Domestic		297661	351443
B60	3100029838	Domestic	FAWM MEADOWS DRIVE	297672	352860
B61	3100017273	Domestic		297672	352860
B62	3100061681	Domestic	OGDEN STATION RD	297692	355490
B63	3100049284	Domestic	OGDEN STATION RD.	297692	355490
B64	3100052844	Domestic	OGDEN STA RD.	297702	356806
B65	3100019115	Domestic		297702	356806
B66	3100004775	Domestic		297713	358222
B67	3100002770	Domestic		297723	359537
B68	3100008512	Domestic		297744	362269
B69	3100004670	Domestic		297755	363585
B70	3100000034	Domestic		297776	366316
B71	3100002914	Domestic		297786	367632

Map ID	Permit Number	Well Classification	Physical Address	Easting (X)	Northing (Y)
B72	3100003090	Domestic		297796	368947
B73	3100003789	Domestic		297796	368947
B74	3100015479	Domestic		297807	370364
B75	3100005313	Domestic		297828	373095
B76	3100019476	Domestic	CREEK LANE	298150	350832
B77	3100020799	Domestic	CREEK LANE & MT ROYAL	298150	350832
B78	3100020800	Domestic	CREEK LANE & MT ROYAL	298150	350832
B79	3100024476	Domestic	CREEK LANE & MT ROYAL	298150	350832
B80	3100024477	Domestic	CREEK LANE & MT ROYAL	298150	350832
B81	3100026150	Domestic	CREEK LANE & MT ROYAL RD	298150	350832
B82	3100026162	Domestic	CREEK LANE & MT ROYAL RD	298150	350832
B83	3100020235	Domestic	CREEK LANE & ROYAL ROAD	298150	350832
B84	3100020017	Domestic	CREEK LANE & ROYAL ROD	298150	350832
B85	3000005308	Domestic	211 FAWN MEADOWS DRIVE	298161	352181
B86	3100069095	Domestic	WENONAH WAY	298202	350731
B87	3100019834	Domestic		298202	350731
B88	3100074984	Domestic	OGDEN STATION RD	298233	354778
B89	3100067691	Domestic	OGDEN STATION RD.	298233	354778
B90	3100002216	Domestic		298239	365706
B91	3100042122	Domestic	5 TWIN LAKES DRIVE	298753	351435
B92	3100027741	Domestic	FAWN MEADOW DRIVE	298753	351435
B93	3100011546	Domestic		298753	351435
B94	3100002936	Domestic		298764	352851
B95	3100014163	Domestic		298764	352851
B96	3100001256	Domestic		298816	359529
B97	3100002798	Domestic		298827	360946
B98	3100002799	Domestic		298827	360946
B99	3100003863	Domestic		298827	360946
B100	3100004842	Domestic		298827	360946
B101	3100005195	Domestic	SPRING HILL ROAD	299165	351521
B102	3100022679	Domestic	LITTLE MILL ROAD	299304	352038
B103	3100071175	Domestic	OGDEN STATION ROAD	299325	354769
B104	3100002338	Domestic		299331	365697
B105	3100001159	Domestic	SALEM PIKE	299336	369711
B106	3100005407	Domestic		299768	351427
B107	3100011876	Domestic		299768	351427
B108	3100013179	Domestic		299768	351427
B109	3100015524	Domestic		299768	351427
B110	3100059841	Domestic	SHANNON LANE	299779	352843
B111	3100011985	Domestic		299779	352843
B112	3100012003	Domestic		299779	352843
B113	3100012823	Domestic		299841	360938
B114	3100001715	Domestic		299882	366300
B115	3100000391	Domestic		299892	367615
B116	3100007688	Domestic		299892	367615
B117	3100003094	Domestic		299902	368931
B118	3100006453	Domestic		299913	370347
B119	3100000105	Domestic	SALEM PIKE	300304	360260
B120	3100003454	Domestic		300783	351419
B121	3100005997	Domestic		300783	351419
B122	3100011403	Domestic		300783	351419
B123	3100012209	Domestic		300783	351419
B124	3100015678	Domestic		300783	351419
B125	3100015711	Domestic		300783	351419
B126	3100017438	Domestic		300783	351419
B127	3100000412	Domestic		300794	352836
B128	3100001714	Domestic		300794	352836
B129	3100011889	Domestic		300794	352836
B130	3100013178	Domestic		300794	352836
B131	3100017256	Domestic		300814	355466
B132	3100000504	Domestic		300824	356782
B133	3100001684	Domestic		300927	370340
B134	3100003730	Domestic		300927	370340
B135	3100016385	Domestic	ELM AVE & GLENWOOD AVE	301273	350808
B136	3000001518	Domestic	LINDEN AVE	301273	350808
B137	3000000244	Domestic	PARKVILLE STATION RD	301314	356205
B138	3000000245	Domestic	PARKVILLE STATION RD	301314	356205
B139	3100011325	Domestic		301324	350707
B140	3100003209	Domestic	SOMERSET AVE	301416	369695
B141	3100005281	Domestic		301797	351412
B142	3100015521	Domestic		301797	351412
B143	3100019450	Domestic		301797	351412
B144	3100005015	Domestic		301808	352828
B145	3100000803	Domestic		301818	354143
B146	3100004934	Domestic		301818	354143

Map ID	Permit Number	Well Classification	Physical Address	Easting (X)	Northing (Y)
B147	3100061682	Domestic	FAWN MEADOWS DR	301828	355459
B148	3100004027	Domestic		301828	355459
B149	3000000162	Domestic		301941	370332
B150	3100007398	Domestic		301962	373064
B151	3100007218	Domestic	2ND STREET	302354	356197
B152	3100002047	Domestic		302380	356163
B153	3100020351	Domestic		302518	364155
B154	3100042021	Domestic	207 HILLSIDE TERRACE	302890	351403
B155	3100000726	Domestic		302890	351403
B156	3100001110	Domestic		302890	351403
B157	3100002890	Domestic		302901	352820
B158	3100015998	Domestic		302921	355450
B159	3100016992	Domestic		302951	359498
B160	3100001623	Domestic		302962	360914
B161	5100048640	Domestic	850 KING HIGHWAY	302972	362229
B162	3100000030	Domestic		302982	363545
B163	3100000175	Domestic		302982	363545
B164	3100005327	Domestic		303022	368907
B165	3100000333	Domestic	E 1ST AVE	303354	350793
B166	3100001778	Domestic		303354	350793
B167	3100000482	Domestic		303905	351396
B168	3100000258	Domestic		303916	352812
B169	3100000646	Domestic		303916	352812
B170	3100000766	Domestic		303916	352812
B171	3100000805	Domestic		303916	352812
B172	3100003453	Domestic		303925	354128
B173	3100003944	Domestic		303925	354128
B174	3100004919	Domestic		303925	354128
B175	3100016845	Domestic		303925	354128
B176	3100001258	Domestic		303945	356758
B177	3100001573	Domestic		303976	360906
B178	3100004216	Domestic		304036	368900
B179	3100001876	Domestic		304379	352101
B180	3100000765	Domestic	WOODLAND AVE & GLENSIDE DR	304405	352134
B181	3100002368	Domestic	BRIDGETON PIKE	304415	353483
B182	3100000488	Domestic		304920	351388
B183	3100003654	Domestic		304930	352805
B184	3100003826	Domestic		304930	352805
B185	3100004388	Domestic		304950	355435
B186	3100001021	Domestic		304990	360899
B187	3100002290	Domestic		305492	354824
B188	3100002007	Domestic		305561	364234
B189	3100000502	Domestic		306023	352797
B190	3100005541	Domestic		306023	352797
B191	3100006131	Domestic		306042	355427
B192	3100009985	Domestic		306132	367569
B193	3100001671	Domestic		306173	373032
B194	3100000503	Domestic		306563	351983
B195	3100010618	Domestic		307027	351373
B196	3100012382	Domestic		307077	358151
B197	3100001460	Domestic		307156	368876
B198	3100001194	Domestic		307166	370293
B199	3100001201	Domestic		307176	371608
B200	3100000324	Domestic		307186	373025
B201	3100014682	Domestic		307521	358714
B202	3100001024	Domestic	2113 DREXEL AVE & BLACK HORSE PIKE	307567	357507
B203	3100022105	Domestic		307578	351976
C1	3000010567	Domestic Replacement	BOX 153 HILLSIDE ROAD	293566	356838
C2	3000007510	Domestic Replacement		294581	356830
C3	3000004678	Domestic Replacement		294592	358246
C4	E202100880	Domestic Replacement	118 river road drive	294888	356866
C5	3100022070	Domestic Replacement		296214	356109
C6	3100034148	Domestic Replacement	BLUE JAY WAY	296259	375131
C7	3100039861	Domestic Replacement	109 HOLLY DRIVE	296740	363592
C8	3100028955	Domestic Replacement	539 OAKSHADE RD	297173	358934
C9	3100070469	Domestic Replacement	15 CREEK LANE	298202	350731
C10	3100043460	Domestic Replacement	SPRING HILL ROAD	298753	351435
C11	E202004864	Domestic Replacement	14 SPRING HILL DR MANTUA NJ 08051	298945	351304
C12	E202005098	Domestic Replacement	10 SPRING HILL DR MANTUA NJ 08051	299097	351419
C13	3100020495	Domestic Replacement		299294	350722
C14	3100060675	Domestic Replacement	609 SHERWOOD PLACE	299779	352843
C15	3100051396	Domestic Replacement	83 TAYLOR AVE	300783	351419
C16	3100063259	Domestic Replacement	1240 AUBURN RD	300855	360930
C17	3100022027	Domestic Replacement		301385	358801
C18	3100019649	Domestic Replacement		302921	355450

Map ID	Permit Number	Well Classification	Physical Address	Easting (X)	Northing (Y)
C19	3100032996	Domestic Replacement		303905	351396
C20	3100024191	Domestic Replacement		304607	372234
D1	3100018246	Fire Protection		297713	358222
E1	3000001185	Industrial		286342	370455
E2	3000001420	Industrial		286353	371770
E3	3000001262	Industrial		287412	367714
E4	3100017939	Industrial		287412	367714
E5	3000000281	Industrial		287445	371761
E6	5000009043	Industrial	4 PARADISE	288436	369021
E7	5000009044	Industrial	4 PARADISE	288436	369021
E8	3000001173	Industrial	10 LEONARD LANE	291006	368427
E9	3000000898	Industrial		291492	361003
E10	3000000899	Industrial		291492	361003
E11	3000000900	Industrial		291492	361003
E12	3000000901	Industrial		291492	361003
E13	3000000902	Industrial		291492	361003
E14	3000000903	Industrial		291492	361003
E15	3000001174	Industrial		291568	370413
E16	5000000082	Industrial		291568	370413
E17	5000000083	Industrial		291568	370413
E18	E201611516	Industrial	1451 Metropolitan Avenue	295555	363126
E19	3100017985	Industrial		295659	365017
E20	3100001238	Industrial		301870	360922
E21	3100003864	Industrial		303002	366277
F1	3100017980	Industrial Replacement		303002	366277
G1	3000001042	Irrigation	MANTUA RD	292990	356269
G2	P200800270	Irrigation	305 PATSY COURT	293929	361010
G3	E201013146	Irrigation	311 Patsy Court	294098	361362
G4	3100059306	Irrigation	1414 METROPOLITAN AVE.	295648	363601
G5	3100062015	Irrigation	66 FRIARS BLVD	295648	363601
G6	E201200464	Irrigation	1056 Kings Highway	295858	358002
G7	3100072591	Irrigation	STARLING CT.	296340	372297
G8	E201710036	Irrigation	999 Grove Rd	297345	359140
G9	3100059256	Irrigation	AVELET LANE	297817	371679
G10	3100059257	Irrigation	RIVERWINDS DRIVE	297817	371679
G11	3100058176	Irrigation	101 WOLF DR	298888	368939
G12	3100058570	Irrigation	1250 METROPOLITAN AVE.	298888	368939
G13	3100057090	Irrigation	201 WOLF DRIVE	298888	368939
G14	3100059056	Irrigation	FRIARS LANE & MID-ATLANTI	298888	368939
G15	3100047346	Irrigation	1129 PARLIAMENT WAY	299820	358206
G16	3100066312	Irrigation	CROWN POINT RD & DELAWARE ST	300474	372266
G17	3100003393	Irrigation		301900	364969
G18	3100062977	Irrigation	633 WEST RED BANK AVE	301930	368915
G19	P201014207	Irrigation	6 GARRICK SQUARE	302011	353120
G20	3100043251	Irrigation	850 KINGS HIGHWAY	302972	362229
G21	3100017405	Irrigation		302982	363545
G22	3100022001	Irrigation		303472	356053
G23	E201512651	Irrigation	820 Kings Highway	304124	362421
G24	3100026302	Irrigation		305649	365548
G25	P200907395	Irrigation	RT. 45	305871	357469
G26	3100053054	Irrigation	129 MOORE ST.	306052	356742
G27	E201409427	Irrigation	646 Georgetown Rd.	306214	353166
G28	3100057963	Irrigation	713 LESLIE AVE	307037	352789
H1	E201908674	Irrigation Replacement	646 GEORGETOWN RD DEPTFORD NJ	306214	353166
H2	E202007065	Irrigation Replacement	646 GEORGETOWN RD DEPTFORD NJ	306214	353166
I1	3100003261	Non-Public	RT. 551 & JESSUP	302395	361593
I2	3100052940	Non-Public	CROWN POINT RD.	303053	373055
J1	E201913965	Non-Public Replacement	175 OGDEN RD MANTUA NJ 08051	299606	353786
K1	3100022231	Public Non-Community		303441	352006
L1	3000004021	Public Non-Community Replacement		287941	365686
L2	3100016091	Public Non-Community Replacement		302890	351403
L3	3100025682	Public Non-Community Replacement		306613	358762

SITE NAME	Solvay PFCs
SITE STREET ADDRESS	10 Leonard Lane
SITE COUNTY (select)	Gloucester
SITE MUNICIPALITY (select)	West Deptford Twp
PROGRAM INTEREST (PI) ID # :	015010
SOURCE COORDINATE X	296414.766
SOURCE COORDINATE Y	363430.374
GROUNDWATER FLOW DIRECTION USED (if any)	SE
WERE APPLICABLE WELL TYPES FOUND? (Yes/No)	No
IS THIS SUBMISSION AN UPDATE? (Yes/No)	Yes
AUTHOR (name of company)	Integral Consulting, Inc.
AUTHOR STREET ADDRESS (include town and zip code)	110 Marter Avenue, 304, Moorestown, NJ, 08057
LSRP LICENSE NUMBER OVERSEEING WORK	576317
LSRP NAME OVERSEEING WORK	Scott Drew, LSRP
PROFESSIONAL WHO PREPARED SUBMISSION	Katrina Odonnell
EMAIL CONTACT	kodonnell@integral-corp.com
PHONE CONTACT	856-399-7727

Enter no information
beyond column B

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	
	Download Document	Permit Number	Well Use	Potentially Potable	Document	Date (permitted/drilled/sealed)	Physical Address	County	Municipality	Block	Lot	Location Method	Easting_X	Northing_Y	Distance (feet)	Depth (feet)	Capacity (gpm)	COORD METHOD	TOP OPEN INT	BOT OPEN INT	STATIC LEVEL	STATUS	WELL SAMPLED?	
1	PDF Document	E20005981	Domestic Reclamation	Yes	Record	4/1/1993	10 SPRING HILL DR MANTUA NJ 08051	Gloucester	Manua Twp	54.03	3	Prop Loc - Dig Image	297059	358497	7,702.52	236	500							
2		3100058176	Ignition	Yes	Permit	5/8/2000	101 WOLF DR	Gloucester	West Deptford Twp	351-E	1	Prop Loc - Hard Copy	298888	368939	5,813.77	175	40							
3	PDF Document	E20102084	Domestic Reclamation	Yes	Record	1/12/2003	1068 KINGS HIGHWAY	Gloucester	West Deptford Twp	357.03	6	GPS	295658	369030		200								
4		3100039661	Domestic Reclamation	Yes	Permit	8/7/1992	109 HOLLY DRIVE	Burlington	Shamong Twp	48	30	Prop Loc - Hard Copy	296740	363592		100	10							
5		3100047346	Ignition	Yes	Permit	7/31/1995	1129 PARLIAMENT WAY	Gloucester	West Deptford Twp	357.02	11	Prop Loc - Hard Copy	296620	368206		80	20							
6	PDF Document	E202100880	Domestic Reclamation	Yes	Record	11/21/2002	118 river road drive	Gloucester	West Deptford Twp	372	17	GPS	294888	366886	1,732.27	116	10							
7		300009078	Domestic Reclamation	Yes	Record	9/12/1989	12 RIVER ROAD	Gloucester	West Deptford Twp	372	12	Prop Loc - Dig Image	295081	367602	6,413.88	168	11							
8		3100063259	Domestic Reclamation	Yes	Permit	4/25/2002	1240 ALBURN RD	Gloucester	Woolwich Twp	28	6	Prop Loc - Hard Copy	300855	369330		200	20							
9		3100058570	Ignition	Yes	Permit	7/11/2000	1290 METROPOLITAN AVE.	Gloucester	West Deptford Twp	351.12	1.01 & 3	Prop Loc - Hard Copy	298888	368939		300	10							
10		3100053054	Ignition	Yes	Permit	2/18/1998	129 MOORE ST.	Gloucester	Woodbury Heights Boro	40F	13	Prop Loc - Hard Copy	300602	366742		200	40							
11	PDF Document	E20200484	Domestic Reclamation	Yes	Record	6/16/2003	14 SPRING HILL DR MANTUA NJ 08051	Gloucester	Manua Twp	54.03	2	GPS	298945	351304	3,518.02	210	20							
12		3100059306	Ignition	Yes	Permit	10/27/2000	1414 METROPOLITAN AVE.	Gloucester	West Deptford Twp	348.01	6.01	Prop Loc - Hard Copy	295648	363601		175	40							
13	PDF Document	E201811516	Industrial	Yes	Record	2/8/2017	1451 Metropolitan Avenue	Gloucester	West Deptford Twp	348.05	5	GPS	295555	363128	1,706.25	161	10							
14		3100070469	Domestic Reclamation	Yes	Permit	7/19/2005	15 CREEK LANE	Gloucester	Manua Twp	54	15	Prop Loc - Hard Copy	298202	360731		280	10							
15	PDF Document	E201913965	Non-Public Reclamation	Yes	Record	2/12/2020	175 OGDEN RD MANTUA NJ 08051	Gloucester	West Deptford Twp	375.01	5	GPS	299606	363786	959.56	180	20							
16	PDF Document	E201217347	Domestic Reclamation	Yes	Record	1/15/1970	18 HILLSIDE ROAD	Gloucester	West Deptford Twp	370	6	GPS	294351	358160	6,196.49	150	12							
17		3100057090	Ignition	Yes	Permit	10/28/1999	201 WOLF DRIVE	Gloucester	West Deptford Twp	351.12	1.01	Prop Loc - Hard Copy	298888	368939		300	40							
18		3100042021	Domestic	Yes	Permit	7/13/1993	207 HILLSIDE TERRACE	Gloucester	Manua Twp	21	4	Prop Loc - Hard Copy	302890	351403		300	18							
19		3000003008	Domestic	Yes	Record	10/31/1988	211 FAWN MEADOWS DRIVE	Gloucester	East Greenwich Twp	1404	5.13	Prop Loc - Dig Image	298161	352181	3,110.81	210	0							
20		3100001024	Domestic	Yes	Permit	7/7/1953	2113 DANIEL AVE & BLACK HORSE PKE	Camden	Gloucester Twp			Prop Loc - Dig Image	307967	357507	4,889.51	112	0							
21	PDF Document	E201502583	Agri/Hort/Aqua Ignition	Yes	Permit	3/25/2015	221 Ogden Station Road	Gloucester	West Deptford Twp	375	2	Digital Image	298637	355992	3,400.84	180	45							
22		3100056470	Domestic	Yes	Permit	7/27/1999	26 CREEK LANE	Gloucester	Manua Twp	54	26	Prop Loc - Hard Copy	297861	351443		300	10							
23		3100056468	Domestic	Yes	Permit	7/27/1999	27 CREEK LANE	Gloucester	Manua Twp	54	27	Prop Loc - Hard Copy	297861	351443		300	10							
24		3100007218	Domestic	Yes	Record	7/11/1973	2ND STREET	Gloucester	West Deptford Twp			Prop Loc - Dig Image	302354	356197	1,950.75	62	0							
25		P200800270	Ignition	Yes	Permit	8/15/2008	305 PATSY COURT	Gloucester	West Deptford Twp	348.07	18.13	GPS	292609	361010	4,192.6	150	12							
26	PDF Document	E201071346	Industrial	Yes	Record	10/26/2019	311 Patsy Court	Gloucester	West Deptford Twp	348.07	18.10	GPS	292609	361392	3,842.48	127	28							
27		5000030643	Industrial	Yes	Permit	2/3/1993	4 PARADISE	Gloucester	West Deptford Twp	329	1888B	Prop Loc - Hard Copy	288436	369021		300	150							
28		5000030044	Industrial	Yes	Permit	2/3/1993	4 PARADISE	Gloucester	West Deptford Twp	328	1888C	Prop Loc - Hard Copy	288436	369021		300	200							
29		3000085002	Domestic	Yes	Permit	4/10/1990	4 RIVER ROAD DRIVE	Gloucester	West Deptford Twp	371	21 & 22	Prop Loc - Hard Copy	294561	356830		160	10							
30		3100042122	Domestic	Yes	Permit	7/22/1993	5 TWIN LAKES DRIVE	Gloucester	Manua Twp	54-B	4	Prop Loc - Hard Copy	298753	351435		250	20							
31		3100028955	Domestic Reclamation	Yes	Record	7/8/1988	539 OAKSHADE RD	Burlington	Shamong Twp	12	22.J	Prop Loc - Dig Image	297173	368934	4,730.39	75	10							
32		P201014207	Ignition	Yes	Permit	1/14/2010	6 GARRICK SQUAME	Gloucester	West Deptford Twp	459	4	Prop Loc - Dig Image	300211	351210	2,411.15	200	15							
33		3100060675	Domestic Reclamation	Yes	Permit	5/18/2001	609 SHERWOOD PLACE	Gloucester	Manua Twp	24	16	Prop Loc - Hard Copy	299779	352843		140	12							
34		3100062977	Ignition	Yes	Permit	3/20/2002	633 WEST RED BANK AVE	Gloucester	West Deptford Twp	130	10.02	Prop Loc - Hard Copy	301930	368915		180	25							
35	PDF Document	E201982674	Ignition Reclamation	Yes	Record	8/22/2019	646 GEORGETOWN RD DEPTFORD NJ	Gloucester	Deptford Twp	599	100(PL 16 & 17)	GPS	306214	353166	2,981.26	295	35							
36	PDF Document	E200207069	Ignition Reclamation	Yes	Record	7/29/2020	646 GEORGETOWN RD DEPTFORD NJ	Gloucester	Deptford Twp	599	100(PL 16&17)	GPS	306214	353166	2,981.26	285	35							
37	PDF Document	E201504927	Ignition	Yes	Record	8/25/2014	646 GEORGETOWN RD DEPTFORD NJ	Gloucester	Deptford Twp	599	18	GPS	306214	353166	2,981.26	150	25							
38		3100026215	Ignition	Yes	Permit	10/29/2001	66 FRANKS BLVD	Gloucester	West Deptford Twp	351.12	7	Prop Loc - Hard Copy	295648	363601		175	30							
39		3100057963	Ignition	Yes	Permit	4/7/2000	713 LESLIE AVE	Gloucester	Deptford Twp	573	8	Prop Loc - Hard Copy	307037	352789		100	10							
40	PDF Document	E201512883	Domestic Reclamation	Yes	Permit	5/25/2015	803 Kings Highway	Gloucester	West Deptford Twp	433	1.01	GPS	304134	356261	4,243.08	160	40							
41		3100051386	Domestic Reclamation	Yes	Permit	5/13/1997	83 TAYLOR AVE	Gloucester	Manua Twp	59	13	Prop Loc - Hard Copy	300783	351419		160	15							
42		5100048400	Domestic	Yes	Permit	2/6/1996	850 KINGS HIGHWAY	Gloucester	West Deptford Twp	433	1	Prop Loc - Hard Copy	302972	362229		170	10							
43		3100043251	Ignition	Yes	Permit	2/11/1994	850 KINGS HIGHWAY	Gloucester	West Deptford Twp	433	1	Prop Loc - Hard Copy	302972	362229		200	40							
44		300003287	Domestic	Yes	Record	7/8/1985	90 BERKLEY RD	Gloucester	East Greenwich Twp	401	P024	Prop Loc - Dig Image	288849	369001	3,850.55	168	10							
45	PDF Document	E201710036	Ignition	Yes	Record	9/8/2017	989 Grove Rd	Gloucester	West Deptford Twp	351.14	15	GPS	297345	359140	4,508.12	155	20							
46		3100092556	Ignition	Yes	Permit	10/17/2000	AVELET LANE	Gloucester	West Deptford Twp	328.03	79	Prop Loc - Hard Copy	297817	371679		180	40							
47		3100034148	Domestic Reclamation	Yes	Record	6/9/1990	BLUE JAY WAY	Burlington	Medford Twp	4701-C	3	Prop Loc - Dig Image	296299	375131	3,995.24	375	15							
48		3000010567	Domestic Reclamation	Yes	Record	11/3/1994	BOX 153 HILLSIDE ROAD	Gloucester	West Deptford Twp	370	8 & 10	Prop Loc - Hard Copy	293666	368938		140	12							
49		3100027022	Domestic	Yes	Permit	6/30/1987	BOX 3E2F	Gloucester	East Greenwich Twp	1404	5.10	Prop Loc - Hard Copy	297861	351443		275	10							
50		3100002688	Domestic	Yes	Record	11/24/1955	BRIDGETON PIKE	Gloucester	Deptford Twp	3044.15	353483	Prop Loc - Dig Image	304415	353483	1,496.11	215	0							
51		3100019476	Domestic	Yes	Record	10/18/1982	CREEK LANE	Gloucester	Manua Twp	54	12	Prop Loc - Dig Image	298190	350832	4,261.84	258	15							
52		3100042418	Domestic	Yes	Permit	9/2/1993	CREEK LANE	Gloucester	Manua Twp	54	P10 7	Prop Loc - Hard Copy	297861	351443		200	10							
53		3100056451	Domestic	Yes	Permit	7/23/1999	CREEK LANE	Gloucester	Manua Twp	54	28	Prop Loc - Hard Copy	296646	351451		300	10							
54		3100020799	Domestic	Yes	Record	4/8/1984	CREEK LANE & MT ROYAL	Gloucester	East Greenwich Twp	54	14	Prop Loc - Dig Image	298190	350832	4,261.84	260	0							
55		3100020800	Domestic	Yes																				

Well Search - Results
10 Leonard Lane
West Deptford, New Jersey

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
76	310005906	Irrigation	Yes	Permit	9/15/2000	FRIARS LANE & MD-ATLANTI	Gloucester	West Deptford Tap	347.11	1	Prop Loc - Hard Copy	28888	38839		175	40						
77	300008014	Domestic	Yes	Permit	9/10/1991	KINGS HIGHWAY	Gloucester	West Deptford Tap	371	1	Prop Loc - Hard Copy	24592	35826		160	15						
78	300005655	Domestic	Yes	Permit	2/8/1989	KINGS HWY & HILLSIDE RD	Gloucester	West Deptford Tap	370	9	Prop Loc - Hard Copy	20378	35824		100	11						
79	300005158	Domestic	Yes	Record	1/22/1977	LINDEN AVE	Gloucester	Manula Tap	70	2	Prop Loc - Dig Image	301273	35088	4,013.28	130	0						
80	310002279	Domestic	Yes	Permit	3/11/1985	LITTLE MILL ROAD	Camden	Gloucester Tap	4102	1440	Prop Loc - Hard Copy	29904	352038		110	10						
81	300001042	Irrigation	Yes	Record	9/3/1965	MANTUA RD	Gloucester	East Greenwich Tap			Prop Loc - Dig Image	20290	356209	3,520.48	180	0						
82	310005284	Domestic	Yes	Permit	1/7/1998	OGDEN STAR RD.	Gloucester	West Deptford Tap	374	4.021	Prop Loc - Hard Copy	297702	356806		200	20						
83	3100061681	Domestic	Yes	Permit	9/6/2001	OGDEN STATION RD	Gloucester	West Deptford Tap	375	PVO 3	Prop Loc - Hard Copy	297692	355490		225	10						
84	3100064788	Domestic	Yes	Permit	11/18/2002	OGDEN STATION RD	Gloucester	West Deptford Tap	375	4.03	Prop Loc - Hard Copy	296678	355498		165	10						
85	3100074984	Domestic	Yes	Permit	9/14/2007	OGDEN STATION RD	Gloucester	West Deptford Tap	375	4.04	Prop Loc - Hard Copy	298233	354778		230	20						
86	3100049584	Domestic	Yes	Permit	5/23/1996	OGDEN STATION RD.	Gloucester	West Deptford Tap	375	4	Prop Loc - Hard Copy	297892	355490		175	10						
87	3100067891	Domestic	Yes	Permit	4/21/2004	OGDEN STATION RD.	Gloucester	West Deptford Tap	375	4.02	Prop Loc - Hard Copy	298233	354778		200	10						
88	3100071175	Domestic	Yes	Permit	11/3/2005	OGDEN STATION ROAD	Gloucester	West Deptford Tap	375	4.01	Prop Loc - Hard Copy	299525	354769		200	20						
89	300000244	Domestic	Yes	Record	8/12/1993	PARKVILLE STATION RD	Gloucester	Depford Tap			Prop Loc - Dig Image	301314	356205	2,787.48	126	0						
90	300000645	Domestic	Yes	Record	8/13/1993	PARKVILLE STATION RD	Gloucester	West Deptford Tap			Prop Loc - Dig Image	301314	356205	2,787.48	126	0						
91	3100019898	Domestic	Yes	Record	8/24/1983	PRICKETS MILL RD	Burlington	Tabernacle Tap	803	12	Prop Loc - Dig Image	297173	358934	4,730.39	88	10						
92	REDACTED	300000359	Public Community	Yes	Permit	9/9/1954	REDACTED	Gloucester	West Deptford Tap		REDACTED	Prop Loc - Hard Copy	0	0	REDACTED	180	10					
93	REDACTED	3000002737	Public Community	Yes	Permit	8/3/1982	REDACTED	Gloucester	West Deptford Tap	349	REDACTED	Prop Loc - Hard Copy	0	0	REDACTED	180	60					
94	REDACTED	3100003021	Public Community	Yes	Permit	3/12/1957	REDACTED	Gloucester	West Deptford Tap		REDACTED	Prop Loc - Hard Copy	0	0	REDACTED	325	500					
95	REDACTED	3100004567	Public Community	Yes	Permit	2/28/1963	REDACTED	Gloucester	West Deptford Tap		REDACTED	Prop Loc - Hard Copy	0	0	REDACTED	250	500					
96	REDACTED	3100003509	Public Community	Yes	Permit	12/4/1988	REDACTED	Gloucester	Manula Tap		REDACTED	Prop Loc - Hard Copy	0	0	REDACTED	320	500					
97	REDACTED	3100007056	Public Community	Yes	Permit	5/21/973	REDACTED	Gloucester	West Deptford Tap		REDACTED	Prop Loc - Hard Copy	0	0	REDACTED	450	1000					
98	REDACTED	3100017811	Public Community	Yes	Permit	2/27/1981	REDACTED	Gloucester	West Deptford Tap	374	REDACTED	Prop Loc - Hard Copy	0	0	REDACTED	350	1000					
99	REDACTED	510000063	Public Community	Yes	Permit	10/11/973	REDACTED	Gloucester	West Deptford Tap		REDACTED	Prop Loc - Hard Copy	0	0	REDACTED	366	1000					
100	300000012	Domestic	Yes	Record	7/18/1948	RIVER DRIVE RD	Gloucester	West Deptford Tap			Prop Loc - Dig Image	295081	357802	6,413.88	97	0						
101	3100059257	Irrigation	Yes	Permit	10/17/2000	RIVERWINDS DRIVE	Gloucester	West Deptford Tap	328.04	25	Prop Loc - Hard Copy	297817	371679		180	40						
102	P200907395	Irrigation	Yes	Permit	6/16/2009	RT 45	Gloucester	Woodbury Heights Tap	40.05	10	Prop Loc - Dig Image	305871	357469	3,412.98	280	12						
103	3100003261	Non-Public	Yes	Record	12/22/1957	RT 551 & JESSUP	Gloucester	West Deptford Tap			Prop Loc - Dig Image	302395	381593	5,617.12	175	50						
104	3100001195	Domestic	Yes	Record	2/19/1950	SALEM PARK	Gloucester	West Deptford Tap			Prop Loc - Dig Image	300304	360269	4,625.37	148	10						
105	3100011159	Domestic	Yes	Record	10/21/1963	SALEM PARK	Gloucester	West Deptford Tap			Prop Loc - Dig Image	299308	369711	8,400.95	121	0						
106	3100059841	Domestic	Yes	Permit	1/3/2001	SHANNON LANE	Gloucester	West Deptford Tap	375.01	5.07	Prop Loc - Hard Copy	299779	352843		250	10						
107	3100003209	Domestic	Yes	Record	8/11/1967	SOMERSET AVE	Gloucester	West Deptford Tap			Prop Loc - Dig Image	301416	369695	7,372.74	59	10						
108	3100051395	Domestic	Yes	Permit	12/13/1967	SPRING HILL ROAD	Gloucester	Manula Tap			Digital Image	299185	351521	3,245.04	200	12						
109	3100043460	Domestic Replacement	Yes	Permit	3/17/1994	SPRING HILL ROAD	Gloucester	Manula Tap	55.03	6	Prop Loc - Hard Copy	298753	351435		250	10						
110	3100072591	Irrigation	Yes	Permit	8/22/2006	STARLING CT.	Gloucester	West Deptford Tap	328.07	68	Prop Loc - Hard Copy	296340	372297		150	40						
111	3100089095	Domestic	Yes	Permit	12/6/2004	WENONAH WAY	Gloucester	Depford Tap	561	13	Prop Loc - Hard Copy	298202	350731		275	12						
112	310000785	Domestic	Yes	Record	11/8/1952	WOODLAND AVE & GLENSIDE DR.	Gloucester	Depford Tap			Prop Loc - Dig Image	304405	352134	2,782.45	153	0						
113	300000162	Domestic	Yes	Permit	7/28/1952		Gloucester	West Deptford Tap			Prop Loc - Hard Copy	301941	370332		150	25						
114	300000201	Domestic	Yes	Permit	1/8/1953		Gloucester	Paulsboro Boro			Prop Loc - Hard Copy	287401	366399		200	2500						
115	300000281	Industrial	Yes	Permit	2/19/1954		Gloucester	Paulsboro Boro			Prop Loc - Hard Copy	287445	371761		210	200						
116	300000898	Industrial	Yes	Permit	8/23/1961		Gloucester	West Deptford Tap			Prop Loc - Hard Copy	291492	361003		377	1000						
117	300000899	Industrial	Yes	Permit	8/23/1961		Gloucester	West Deptford Tap			Prop Loc - Hard Copy	291492	361003		370	200						
118	300000900	Industrial	Yes	Permit	8/23/1961		Gloucester	West Deptford Tap			Prop Loc - Hard Copy	291492	361003		377	1000						
119	300000901	Industrial	Yes	Permit	8/23/1961		Gloucester	West Deptford Tap			Prop Loc - Hard Copy	291492	361003		154	1000						
120	300000902	Industrial	Yes	Permit	8/23/1961		Gloucester	West Deptford Tap			Prop Loc - Hard Copy	291492	361003		377	1000						
121	300000903	Industrial	Yes	Permit	8/23/1961		Gloucester	West Deptford Tap			Prop Loc - Hard Copy	291492	361003		377	1000						
122	300001174	Industrial	Yes	Permit	9/29/1969		Gloucester	West Deptford Tap			Prop Loc - Hard Copy	291568	370413		300	1000						
123	300001185	Industrial	Yes	Permit	2/11/1970		Gloucester	Paulsboro Boro			Prop Loc - Hard Copy	286342	370455		280	600						
124	300001262	Industrial	Yes	Permit	8/11/1971		Gloucester	West Deptford Tap			Prop Loc - Hard Copy	287412	367714		120	65						
125	300001375	Domestic	Yes	Permit	3/31/1974		Gloucester	East Greenwich Tap			Prop Loc - Hard Copy	293988	359570		50	10						
126	300001420	Industrial	Yes	Permit	9/19/1974		Gloucester	West Deptford Tap			Prop Loc - Hard Copy	286353	371770		120	100						
127	300002148	Domestic	Yes	Permit	2/14/1980		Cumberland	Fairfield Tap	33	26	Prop Loc - Hard Copy	290554	370421		85	10						
128	300002180	Domestic	Yes	Permit	4/15/1980		Gloucester	West Deptford Tap	372	13	Prop Loc - Hard Copy	293566	356838		100	10						
129	300002750	Domestic	Yes	Permit	10/20/1982		Gloucester	National Park Boro	348	7L	Prop Loc - Hard Copy	293652	367864		90	10						
130	300002863	Domestic	Yes	Permit	2/11/1983		Gloucester	West Deptford Tap	370	5	Prop Loc - Hard Copy	294118	357542		180	10						
131	300003306	Domestic	Yes	Permit	3/3/1984		Gloucester	East Greenwich Tap	602	20F	Prop Loc - Hard Copy	290997	357567		100	10						
132	300004021	Public Non-Community Replacement	Yes	Permit	1/29/1986		Gloucester	West Deptford Tap	328	18A	Prop Loc - Hard Copy	287941	365686		230	65						
133	300004678	Domestic Replacement	Yes	Permit	6/8/1987		Gloucester	West Deptford Tap	357	6 & 7	Prop Loc - Hard Copy	294592	358246		130	10						
134	300007510	Domestic Replacement	Yes	Permit	11/27/1990		Gloucester	West Deptford Tap	371	17/18/19	Prop Loc - Hard Copy	294581	356830		180	10						
135	310000030	Domestic	Yes	Permit	4/29/1948		Gloucester	West Deptford Tap			Prop Loc - Hard Copy	302982	363545		200	50						
136	310000034	Domestic	Yes	Permit	7/20/1948		Gloucester	West Deptford Tap			Prop Loc - Hard Copy	297776	366316		125	50</						

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
144	310000488	Domestic	Yes	Permit	3/1/1952		Gloucester	Manua Tap			Prop Loc - Hard Copy	304520	351388		100	5						
144	310000502	Domestic	Yes	Permit	3/26/1952		Gloucester	Depford Tap			Prop Loc - Hard Copy	306023	352797		100	35						
144	310000503	Domestic	Yes	Permit	3/27/1952		Gloucester	Glassboro Boro			Prop Loc - Hard Copy	305603	351983		100	25						
144	310000504	Domestic	Yes	Permit	4/1/1952		Gloucester	West Deptford Tap			Prop Loc - Hard Copy	300824	356782		190	25						
144	310000565	Domestic	Yes	Permit	5/22/1952		Gloucester	West Deptford Tap			Prop Loc - Hard Copy	296772	367640		100	5						
144	310000646	Domestic	Yes	Permit	7/22/1952		Gloucester	Depford Tap			Prop Loc - Hard Copy	303916	352812		70	25						
144	310000726	Domestic	Yes	Permit	9/29/1952		Gloucester	Manua Tap			Prop Loc - Hard Copy	302890	351403		145	5						
144	310000786	Domestic	Yes	Permit	10/25/1952		Gloucester	Depford Tap			Prop Loc - Hard Copy	303916	352812		200	25						
144	310000803	Domestic	Yes	Permit	12/1/1952		Gloucester	West Deptford Tap			Prop Loc - Hard Copy	301818	354143		280	10						
144	310000805	Domestic	Yes	Permit	12/1/1952		Gloucester	Depford Tap			Prop Loc - Hard Copy	303916	352812		140	25						
144	310001021	Domestic	Yes	Permit	6/1/1953		Gloucester	Woodbury City			Prop Loc - Hard Copy	304590	300899		77	8						
144	310001110	Domestic	Yes	Permit	8/7/1953		Gloucester	Manua Tap			Prop Loc - Hard Copy	302890	351403			5						
144	310001194	Domestic	Yes	Permit	10/28/1953		Gloucester	West Deptford Tap			Prop Loc - Hard Copy	307186	370293		110	25						
144	310001201	Domestic	Yes	Permit	11/20/1953		Gloucester	Woodbury City			Prop Loc - Hard Copy	307176	371808		125	5						
144	310001238	Industrial	Yes	Permit	12/31/1953		Gloucester	Woodbury City			Prop Loc - Hard Copy	301870	360922		200	50						
144	310001256	Domestic	Yes	Permit	1/16/1954		Gloucester	West Deptford Tap			Prop Loc - Hard Copy	298816	359529		150	60						
144	310001258	Domestic	Yes	Permit	1/22/1953		Gloucester	Depford Tap			Prop Loc - Hard Copy	303945	356758		85	20						
144	310001460	Domestic	Yes	Permit	6/28/1954		Gloucester	Depford Tap			Prop Loc - Hard Copy	307156	368876		80	10						
144	310001558	Domestic	Yes	Permit	8/17/1954		Gloucester	West Deptford Tap			Prop Loc - Hard Copy	296709	359545		100	5						
144	310001573	Domestic	Yes	Permit	8/25/1954		Gloucester	West Deptford Tap			Prop Loc - Hard Copy	303976	360906		80	15						
144	310001623	Domestic	Yes	Permit	9/27/1954		Gloucester	Depford Tap			Prop Loc - Hard Copy	302962	360914		60	10						
144	310001624	Domestic	Yes	Permit	9/28/1954		Gloucester	West Deptford Tap			Prop Loc - Hard Copy	296678	355498		130	25						
144	310001671	Domestic	Yes	Permit	11/3/1954		Gloucester	Depford Tap			Prop Loc - Hard Copy	306173	373032		60	150						
144	310001684	Domestic	Yes	Permit	11/8/1954		Gloucester	West Deptford Tap			Prop Loc - Hard Copy	300927	370340		60	6						
144	310001714	Domestic	Yes	Permit	12/1/1954		Gloucester	Manua Tap			Prop Loc - Hard Copy	300794	352836		200	25						
144	310001715	Domestic	Yes	Permit	12/2/1954		Gloucester	West Deptford Tap			Prop Loc - Hard Copy	299882	366300		120	20						
144	310001778	Domestic	Yes	Permit	1/18/1955		Gloucester	West Deptford Tap			Prop Loc - Hard Copy	303354	350793		150	10						
144	310001839	Domestic	Yes	Permit	2/25/1955		Gloucester	West Deptford Tap			Prop Loc - Hard Copy	296221	367037		90	10						
144	310001876	Domestic	Yes	Permit	3/25/1955		Gloucester	Depford Tap			Prop Loc - Hard Copy	304379	352101		225	25						
144	310002007	Domestic	Yes	Permit	5/6/1955		Gloucester	Woodbury Heights Boro			Prop Loc - Hard Copy	305661	364234		65	10						
144	310002047	Domestic	Yes	Permit	5/19/1955		Gloucester	Depford Tap			Prop Loc - Hard Copy	302380	356163		75	15						
144	310002174	Domestic	Yes	Permit	7/12/1955		Gloucester	Manua Tap			Prop Loc - Hard Copy	296105	352164		60							
144	310002216	Domestic	Yes	Permit	8/2/1955		Gloucester	West Deptford Tap			Prop Loc - Hard Copy	298239	365708		110	10						
144	310002290	Domestic	Yes	Permit	8/31/1955		Gloucester	West Deptford Tap			Prop Loc - Hard Copy	305492	354824		200	5						
144	310002338	Domestic	Yes	Permit	9/16/1955		Gloucester	West Deptford Tap			Prop Loc - Hard Copy	299331	365697		95	6						
144	310002770	Domestic	Yes	Permit	7/12/1956		Burlington	Medford Lakes Boro			Prop Loc - Hard Copy	297723	359537		125	5						
144	310002798	Domestic	Yes	Permit	7/31/1956		Burlington	Medford Lakes Boro			Prop Loc - Hard Copy	298827	360946		125	6						
144	310002799	Domestic	Yes	Permit	7/31/1956		Burlington	Medford Lakes Boro			Prop Loc - Hard Copy	298827	360946		125	6						
144	310002890	Domestic	Yes	Permit	10/15/1956		Gloucester	Manua Tap			Prop Loc - Hard Copy	302901	352820		150	10						
144	310002914	Domestic	Yes	Permit	11/13/1956		Gloucester	West Deptford Tap			Prop Loc - Hard Copy	297786	367632		100	25						
144	310002936	Domestic	Yes	Permit	12/3/1956		Gloucester	Harrison Tap			Prop Loc - Hard Copy	298764	352851		50	10						
144	310002998	Domestic	Yes	Permit	3/5/1957		Burlington	Medford Lakes Boro			Prop Loc - Hard Copy	296688	356813		130	10						
144	310003090	Domestic	Yes	Permit	4/29/1957		Gloucester	West Deptford Tap			Prop Loc - Hard Copy	297796	368947		100	25						
144	310003094	Domestic	Yes	Permit	4/30/1957		Gloucester	West Deptford Tap			Prop Loc - Hard Copy	299902	368931		90	6						
144	310003345	Domestic	Yes	Permit	10/4/1957		Gloucester	Manua Tap			Prop Loc - Hard Copy	296709	359545		120	35						
144	310003393	Irigation	Yes	Permit	11/1/1957		Gloucester	Woodbury City			Prop Loc - Hard Copy	301900	364969		220	500						
144	310003453	Domestic	Yes	Permit	12/23/1957		Gloucester	Depford Tap			Prop Loc - Hard Copy	303925	354128		950	25						
144	310003454	Domestic	Yes	Permit	12/23/1957		Gloucester	Manua Tap			Prop Loc - Hard Copy	300783	351419		220	25						
144	310003507	Domestic	Yes	Permit	3/7/1958		Burlington	Medford Lakes Boro			Prop Loc - Hard Copy	296688	356813		125	6						
144	310003538	Domestic	Yes	Permit	4/21/1958		Gloucester	West Deptford Tap			Prop Loc - Hard Copy	296793	370371		90	25						
144	310003654	Domestic	Yes	Permit	8/4/1958		Burlington	North Hanover Tap			Prop Loc - Hard Copy	304530	352805		160	10						
144	310003668	Domestic	Yes	Permit	8/26/1958		Burlington	Medford Lakes Boro			Prop Loc - Hard Copy	296688	356813		300	15						
144	310003730	Domestic	Yes	Permit	11/18/1958		Gloucester	West Deptford Tap			Prop Loc - Hard Copy	300927	370340		90	10						
144	310003789	Domestic	Yes	Permit	2/19/1959		Gloucester	West Deptford Tap			Prop Loc - Hard Copy	297796	368947		100	10						
144	310003826	Domestic	Yes	Permit	4/8/1959		Gloucester	Depford Tap			Prop Loc - Hard Copy	304930	352805		100	10						
144	310003863	Domestic	Yes	Permit	5/20/1959		Gloucester	West Deptford Tap			Prop Loc - Hard Copy	298827	360946		125	20						
144	310003864	Industrial	Yes	Permit	5/21/1959		Gloucester	Woodbury Heights Boro			Prop Loc - Hard Copy	303002	366277		150	6						
144	310003944	Domestic	Yes	Permit	9/2/1959		Gloucester	Depford Tap			Prop Loc - Hard Copy	303925	354128		300	20						
144	310004027	Domestic	Yes	Permit	1/18/1960		Gloucester	West Deptford Tap			Prop Loc - Hard Copy	301828	355459		280	15						
144	310004216	Domestic	Yes	Permit	10/13/1960		Burlington	Medford Lakes Boro			Prop Loc - Hard Copy	304036	368900		170	6						
144	310004388	Domestic	Yes	Permit	10/9/1961		Gloucester	Depford Tap			Prop Loc - Hard Copy	304590	355435		125	7						
144	310004625	Domestic	Yes	Permit	8/5/1963		Gloucester	West Deptford Tap			Prop Loc - Hard Copy	296628	360970		160	65						
144	310004670	Domestic	Yes	Permit	12/10/1963		Burlington	Medford Lakes Boro			Prop Loc - Hard Copy	297755	363585		65	30						
144	310004775	Domestic	Yes	Permit	10/30/1964		Burlington	Medford Lakes Boro			Prop Loc - Hard Copy	297713	366222		130	6						

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A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
200	310004842	Domestic	Yes	Permit	6/2/1965		Gloucester	West Deptford Twp			Prop Loc - Hard Copy	29827	300946		130	10						
200	310004919	Domestic	Yes	Permit	1/4/1965		Gloucester	West Deptford Twp			Prop Loc - Hard Copy	303625	354128		250	10						
200	310004934	Domestic	Yes	Permit	2/21/1966		Gloucester	West Deptford Twp			Prop Loc - Hard Copy	301818	354143		156	10						
201	310005015	Domestic	Yes	Permit	10/31/1966		Gloucester	West Deptford Twp			Prop Loc - Hard Copy	301808	352828		120	10						
201	310005281	Domestic	Yes	Permit	9/3/1968		Gloucester	Manua Twp			Prop Loc - Hard Copy	301797	351412		180	15						
201	310005313	Domestic	Yes	Permit	12/10/1968		Gloucester	Woodbury City			Prop Loc - Hard Copy	297828	373095		90	8						
201	310005318	Domestic	Yes	Permit	1/6/1969		Gloucester	West Deptford Twp			Prop Loc - Hard Copy	296782	368605		100	10						
201	310005327	Domestic	Yes	Permit	3/6/1969		Gloucester	Woodbury City			Prop Loc - Hard Copy	303022	368907		100	8						
201	310005407	Domestic	Yes	Permit	10/16/1969		Gloucester	Manua Twp			Prop Loc - Hard Copy	299768	351427		150	8						
201	310005541	Domestic	Yes	Permit	11/19/1970		Gloucester	Deptford Twp			Prop Loc - Hard Copy	306023	352797		50	10						
201	310005597	Domestic	Yes	Permit	1/24/1972		Gloucester	Manua Twp			Prop Loc - Hard Copy	300783	351419		150	10						
201	310006131	Domestic	Yes	Permit	4/28/1972		Gloucester	Deptford Twp			Prop Loc - Hard Copy	306042	355427		180	10						
201	310006453	Domestic	Yes	Permit	9/6/1972		Gloucester	Deptford Twp			Prop Loc - Hard Copy	299913	370347		60	10						
201	310006571	Domestic	Yes	Permit	10/27/1972		Gloucester	Manua Twp			Prop Loc - Hard Copy	295564	352876		150	15						
201	310006679	Domestic	Yes	Permit	11/17/1972		Gloucester	Manua Twp			Prop Loc - Hard Copy	295564	352876		130	10						
201	310007398	Domestic	Yes	Permit	8/10/1973		Gloucester	West Deptford Twp			Prop Loc - Hard Copy	301962	373064		120	10						
201	310007688	Domestic	Yes	Permit	11/21/1973		Gloucester	West Deptford Twp			Prop Loc - Hard Copy	299892	367615		70	10						
201	310008512	Domestic	Yes	Permit	9/13/1974		Gloucester	West Deptford Twp			Prop Loc - Hard Copy	297744	362289		100	10						
201	310009985	Domestic	Yes	Permit	6/14/1976		Gloucester	Deptford Twp	62	3	Prop Loc - Hard Copy	306132	367969		180	10						
201	310010618	Domestic	Yes	Permit	2/8/1977		Burlington	Shamong Twp	23	67	Prop Loc - Hard Copy	307027	351373		65	15						
201	3100011325	Domestic	Yes	Permit	5/27/1977		Gloucester	Manua Twp	75	10	Prop Loc - Hard Copy	301324	350707		160	10						
201	3100011403	Domestic	Yes	Permit	6/20/1977		Gloucester	Manua Twp	75	17	Prop Loc - Hard Copy	300783	351419		130	10						
201	3100011546	Domestic	Yes	Permit	7/20/1977		Gloucester	Manua Twp	54E	10	Prop Loc - Hard Copy	298753	351436		135	10						
201	3100011876	Domestic	Yes	Permit	8/24/1977		Gloucester	Manua Twp	18	5	Prop Loc - Hard Copy	299768	351427		160	10						
201	3100011880	Domestic	Yes	Permit	8/24/1977		Gloucester	Manua Twp	54E	12	Prop Loc - Hard Copy	297961	351443		240	10						
201	3100011889	Domestic	Yes	Permit	8/25/1977		Gloucester	Manua Twp	54F	2	Prop Loc - Hard Copy	300794	352836		140	10						
201	3100011985	Domestic	Yes	Permit	9/22/1977		Gloucester	Manua Twp	54D	3	Prop Loc - Hard Copy	299779	352843		200	10						
201	3100012003	Domestic	Yes	Permit	9/14/1977		Gloucester	Manua Twp	54E	2	Prop Loc - Hard Copy	299779	352843		140	10						
201	3100012209	Domestic	Yes	Permit	10/25/1977		Gloucester	Manua Twp	68	8	Prop Loc - Hard Copy	300783	351419		135	10						
201	3100012382	Domestic	Yes	Permit	11/22/1977		Gloucester	Woodbury Heights Boro	106	2	Prop Loc - Hard Copy	307077	358151		150	10						
201	3100012823	Domestic	Yes	Permit	2/10/1978		Gloucester	Elk Twp	351	12	Prop Loc - Hard Copy	299841	360938		126	10						
201	3100013178	Domestic	Yes	Permit	3/15/1978		Gloucester	Manua Twp	65	3 & 4	Prop Loc - Hard Copy	300794	352836		150	10						
201	3100013179	Domestic	Yes	Permit	3/15/1978		Gloucester	Manua Twp	65	19	Prop Loc - Hard Copy	299768	351427		150	8						
201	3100014163	Domestic	Yes	Permit	9/11/1979		Gloucester	Manua Twp	2	54D	Prop Loc - Hard Copy	298764	352851		140	10						
201	3100014682	Domestic	Yes	Permit	1/5/1979		Camden	Winslow Twp	4313	4	Dartial Inmate	307521	358714	5.441.23	84	10						
201	3100015479	Domestic	Yes	Permit	4/2/1979		Gloucester	Deptford Twp	346	7N	Prop Loc - Hard Copy	297807	370364		60	10						
201	3100015521	Domestic	Yes	Permit	4/10/1979		Gloucester	Manua Twp	75	11	Prop Loc - Hard Copy	301797	351412		140	10						
201	3100015524	Domestic	Yes	Permit	4/10/1979		Gloucester	Manua Twp	277	2	Prop Loc - Hard Copy	299768	351427		160	10						
201	3100015678	Domestic	Yes	Permit	5/2/1979		Gloucester	Manua Twp	77	1A	Prop Loc - Hard Copy	300783	351419		130	10						
201	3100015711	Domestic	Yes	Permit	5/4/1979		Gloucester	Manua Twp	68	9	Prop Loc - Hard Copy	300783	351419		160	10						
201	3100015988	Domestic	Yes	Permit	7/16/1979		Gloucester	Deptford Twp	76	3	Prop Loc - Hard Copy	302921	355450		150	10						
201	3100016091	Public Non-Community Replacemnt	Yes	Permit	8/9/1979		Gloucester	Deptford Twp	432	9 & 10	Prop Loc - Hard Copy	302890	351403		150	20						
201	3100016845	Domestic	Yes	Permit	5/6/1980		Gloucester	West Deptford Twp	357	9 A	Prop Loc - Hard Copy	303625	354128		100	12						
201	3100016962	Domestic	Yes	Permit	7/1/1980		Burlington	Shamong Twp	19	27-13	Prop Loc - Hard Copy	302851	359498		70	10						
201	3100017256	Domestic	Yes	Permit	9/16/1980		Gloucester	West Deptford Twp	375	5YA	Prop Loc - Hard Copy	300814	355466		200	20						
201	3100017273	Domestic	Yes	Permit	9/16/1980		Gloucester	Manua Twp	54D	1	Prop Loc - Hard Copy	297672	352860		150	10						
201	3100017405	Irrigation	Yes	Permit	10/16/1980		Gloucester	West Deptford Twp	342	11	Prop Loc - Hard Copy	302982	363545		150	10						
201	3100017438	Domestic	Yes	Permit	10/28/1980		Gloucester	Manua Twp	76	4	Prop Loc - Hard Copy	300783	351419		150	10						
201	3100017809	Domestic	Yes	Permit	2/26/1981		Gloucester	West Deptford Twp	357	16	Prop Loc - Hard Copy	295606	356238		200	10						
201	3100017846	Domestic	Yes	Permit	3/16/1981		Gloucester	Manua Twp	54	33	Prop Loc - Hard Copy	297961	351443		280	10						
201	3100017939	Industrial	Yes	Permit	3/19/1981		Gloucester	West Deptford Twp	328	1 BA	Prop Loc - Hard Copy	287412	367714		100	50						
201	3100017980	Industrial Replacemnt	Yes	Permit	5/8/1981		Gloucester	Woodbury City	342	31	Prop Loc - Hard Copy	303002	366277		135	200						
201	3100017985	Industrial	Yes	Permit	5/12/1981		Gloucester	West Deptford Twp	346E	3	Prop Loc - Hard Copy	295659	365017		150	10						
201	3100018246	Fire Protection	No	Permit	8/12/1981		Gloucester	Manua Twp	6	1YB	Prop Loc - Hard Copy	297713	356222		350	1000						
201	3100019115	Domestic	Yes	Permit	5/11/1982		Gloucester	West Deptford Twp	374	4	Prop Loc - Hard Copy	297702	356806		150	10						
201	3100019450	Domestic	Yes	Permit	9/14/1982		Gloucester	Manua Twp	78	2	Prop Loc - Hard Copy	301797	351412		260	10						
201	3100019649	Domestic Replacemnt	Yes	Permit	12/7/1982		Gloucester	Manua Twp	5	17	Prop Loc - Hard Copy	302921	355450		250	15						
201	3100019634	Domestic	Yes	Permit	2/1/1983		Gloucester	Manua Twp	54	32	Prop Loc - Hard Copy	286202	350731		100	10						
201	3100020351	Domestic	Yes	Permit	6/20/1983		Gloucester	West Deptford Twp	342	34B	Prop Loc - Hard Copy	302518	364155		110	10						
201	3100020470	Domestic	Yes	Permit	8/9/1983		Gloucester	East Greenwich Twp	1404	4.01	Prop Loc - Hard Copy	297197	352054		260	10						
201	3100020471	Domestic	Yes	Permit	8/9/1983		Gloucester	East Greenwich Twp	1404	5.01	Prop Loc - Hard Copy	296182	352062		260	10						
201	3100020495	Domestic Replacemnt	Yes	Permit	8/9/1983		Gloucester	Manua Twp	54	6	Prop Loc - Hard Copy	299294	350722		92	10						

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A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
272	3100022070	Domestic Replacemnt	Yes	Permit	9/15/1984		Gloucester	West Deptford Tap	374	4-B	Prop Loc - Hard Copy	296214	356109		200	15						
272	3100022105	Domestic	Yes	Permit	9/15/1984		Gloucester	Deptford Tap	571	2&3	Prop Loc - Hard Copy	307578	351976		300	10						
272	3100022145	Domestic	Yes	Permit	10/5/1984		Gloucester	West Deptford Tap	357	13	Prop Loc - Hard Copy	296246	360156		200	10						
272	3100022231	Public Non-Community	Yes	Permit	10/5/1984		Gloucester	Deptford Tap	432	9	Prop Loc - Hard Copy	303441	352006		260	10						
272	3100024191	Domestic Replacemnt	Yes	Permit	12/10/1985		Burlington	Medford Tap	1001	9	Prop Loc - Hard Copy	304607	372234		240	10						
272	3100024818	Domestic	Yes	Permit	5/6/1986		Gloucester	East Greenwich Tap	1404	5.01	Prop Loc - Hard Copy	296182	352062		260	10						
272	3100025220	Domestic	Yes	Permit	7/16/1986		Gloucester	Manlius Tap	54	29	Prop Loc - Hard Copy	297197	352054		240	10						
272	3100025455	Domestic	Yes	Permit	8/26/1986		Gloucester	East Greenwich Tap	1404	4.03	Prop Loc - Hard Copy	297197	352054		260	15						
262	3100025457	Domestic	Yes	Permit	8/26/1986		Gloucester	East Greenwich Tap	1404	5.04	Prop Loc - Hard Copy	297197	352054		260	15						
262	3100025459	Domestic	Yes	Permit	8/26/1986		Gloucester	East Greenwich Tap	4.04	1404	Prop Loc - Hard Copy	297197	352054		260	15						
262	3100025682	Public Non-Community Replacemnt	Yes	Permit	10/9/1986		Gloucester	West Deptford Tap	368	16.1	Prop Loc - Hard Copy	306613	356782		200	10						
262	3100026302	Irrigation	Yes	Permit	3/12/1987		Gloucester	Woodbury City	38	2	Prop Loc - Hard Copy	305649	365548		100	10						
262	3100027014	Domestic	Yes	Permit	6/30/1987		Gloucester	East Greenwich Tap	1404	6.10	Prop Loc - Hard Copy	297661	351443		275	10						
262	3100027015	Domestic	Yes	Permit	6/30/1987		Gloucester	East Greenwich Tap	1404	6.09	Prop Loc - Hard Copy	297661	351443		275	10						
262	3100027648	Domestic	Yes	Permit	10/21/1987		Gloucester	East Greenwich Tap	1404	G.11	Prop Loc - Hard Copy	297661	351443		270	10						
262	3100029409	Domestic	Yes	Permit	4/7/1988		Gloucester	Manlius Tap	54-E	8	Prop Loc - Hard Copy	297661	351443		245	10						
262	3100030695	Domestic	Yes	Permit	3/21/1989		Gloucester	Manlius Tap	54	21	Prop Loc - Hard Copy	297661	351443		250	10						
262	3100032996	Domestic Replacemnt	Yes	Permit	2/1/1990		Gloucester	Manlius Tap	23	68.7	Prop Loc - Hard Copy	303905	351396		135	15						
262	3100035003	Domestic	Yes	Permit	10/2/1990		Gloucester	Manlius Tap	54	P/O 7	Prop Loc - Hard Copy	297661	351443		220	10						
262	3100035644	Domestic	Yes	Permit	12/12/1990		Gloucester	Manlius Tap	54	P/O 19	Prop Loc - Hard Copy	297661	351443		220	10						
262	5000000262	Industrial	Yes	Permit	1/1/1969		Gloucester	West Deptford Tap			Prop Loc - Hard Copy	291568	370413		117	350						
262	5000000283	Industrial	Yes	Permit	1/1/1969		Gloucester	West Deptford Tap			Prop Loc - Hard Copy	291568	370413		203	500						
262	5100000125	Agric/Hort/Aqua Installation	Yes	Permit	1/1/1945		Burlington	Shamong Tap			Prop Loc - Hard Copy	303869	367484		45	1000						

Section F

Ecological Receptors

Response to Section F: Ecological Evaluation

This initial Receptor Evaluation document includes a preliminary ecological evaluation as described in 7:26E-1.16 for MFS. The purpose of this assessment is to identify actual or potential ecological effects on wildlife and plants in Environmentally Sensitive Natural Resources (ESNRs) resulting from Site-related contamination. The following questions are addressed as part of this RE:

- Are there any site-related contaminants above any Ecological Screening Criteria?
- Are there any Environmentally Sensitive Natural Resources (ESNRs) on or adjacent to the site, or potentially impacted by site related contamination?
- Do any potential or complete migration pathways exist between Contaminant of Potential Ecological Concern (COPECs) and ESNRs, or did historic migration pathways exist?

Results of the assessment are described below.

Site Related Contaminants of Potential Ecological Concern

A COPEC is defined by the NJDEP Ecological Evaluation Guidance as a “substance detected at a contaminated site that has the potential to adversely affect ecological receptors because of its concentration, distribution, and mode of toxicity; contaminants with concentrations above their respective New Jersey Surface Water Quality Standards (SWQS) or ecological screening criteria are identified as contaminants of potential ecological concern.” NJ SWQS and ecological screening criteria have not been developed for CIPFPECA. The MFS compounds are part of the CLPFPECA class of compounds.

It has previously been acknowledged by both Solvay and NJDEP through comment letters dated December 29, 2022 (NJDEP) and February 24, 2023 (Solvay) on the Remedial Investigation Work Plan for Surface Water, Sediment, and Porewater (Integral 2023) that a technical consultation and discussions will be required to determine appropriate ecological screening criteria for CIPFPECA.

Presence of Environmentally Sensitive Natural Resources

The Technical Requirements for Site Remediation define an ESNR as “an area defined at N.J.A.C. 7:1E-1.8(a), or an area or resource that is protected or managed pursuant to the Pinelands Protection Act, N.J.S.A. 13:18A-1 et seq., and the Pinelands Comprehensive Management Plan, N.J.A.C. 7:50.” This list includes surface waters, water resources, beaches, dunes, wetlands, critical wildlife habitat, prime fishing areas, finfish migratory pathways, submerged vegetation habitat, shellfish waters, forest areas, habitat for Federal and State

endangered or threatened plant and animal species, Federal and State wilderness areas, and wild and scenic river corridors.

A desktop survey was completed using publicly available data sets maintained by the NJDEP Bureau of GIS. The data sets were used to confirm known surface waters (Little Mantua Creek and Main Ditch) and identify wetlands and critical wildlife habitat area. Wetlands are mapped within the Site north of the Plant area, primarily along the ephemeral tributary that runs through the Site but also in other areas of the wooded area. Some areas on the western side of the site near the railroad tracks also have wetlands identified.

Data collected from NJDEP Bureau of GIS was also used to identify occupied habitat for the Eastern Pondmussel (scientific name *Ligumia nasuta*), a state threatened species, directly upgradient of the Main Ditch adjacent to Block 328, Lot 1.07 of the Site.

As part of the receptor evaluation completed in 2013 (ERM 2016), a Natural Heritage Database request was filed with the NJDEP to search for occurrences of rare or endangered plant species on or near the Site. As part of this initial RE, an updated database search request was filed on March 27, 2023. Information from this request, once received, will be incorporated into future RE updates. The results of the Natural Heritage Database request as presented in the 2013 RE are included below:

- Wildlife habitat for the Bald Eagle (*Haliaeetus leucocephalus*), Great Blue Heron (*Ardea herodias*), and Osprey (*Pandion haliaetus*) is found on the Site and in the immediate vicinity of the Site.
- Bald Eagle foraging, wintering and nesting habitat is present at the Site, whereas only foraging habitat for the Great Blue Heron and Osprey appears to be present.
- The short-nose sturgeon (*Acipenser brevirostrum*) has evidently been seen in the Delaware River near the Site and may use the river as a migration corridor.
- Habitat associated with three species of noctuid moths (*Faronta rubripennis*, *Macrochilo Louisiana*, and *Macrochilo santerivalis*) has been reported at the Site and in the immediate vicinity of the Site.
- The Eastern Pondmussel (*Ligumia nasuta*) has been reported in the immediate vicinity of the Site.

Potential Migration Pathways

The following potential or confirmed migration pathways to ESNRs identified in the Conceptual Site Model prepared for the Site (Integral 2022a) include the following:

- **Stormwater Runoff:** The potential media impacted from stormwater includes groundwater (from leaching/leaking swales to groundwater), soil (from contact with stormwater), and surface water and sediment (via the permitted discharge). This transport pathway will continue to be assessed as part of ongoing remedial investigation and remedial action activities (Integral 2022b).
- **Groundwater discharge to surface water:** Groundwater may emanate as surface water at various points across the Property into the adjacent Main Ditch, located to the east, and Little Mantua Creek, located to the west. Groundwater discharge to surface water is a confirmed current and potential future transport mechanism associated with the Site. This transport pathway will continue to be investigated as part of future remedial investigations proposed to be completed (Integral 2023).
- **Atmospheric deposition to soil:** Deposition of airborne particles is a confirmed historical transport pathway to soil. As the Facility no longer uses fluorinated process aids, this transport pathway has been minimized. Assessment of historical emissions and deposition is ongoing through the investigation of soil, groundwater, and other media (Integral 2021 and Integral 2022b)

Conclusions

Publically available information has identified that ESNRs are located adjacent to and on the Site including wetlands and wildlife habitat. It is possible that soil impacts identified through remedial investigation activities completed to date may be or may have historically impacted these ESNRs. However, due to the absence of appropriate ecological screening criteria for MFS, migration pathways to ESNRs cannot be confirmed. As future remedial investigation activities continue, including but not limited to sampling of surface water, sediment, and porewater, Solvay will communicate results with the NJDEP. It is expected that subsequent meetings and discussions will inform how to complete ecological evaluation activities. Future updated RE submittals will include information gained from these evaluations as applicable.

References

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