



Evergreen Resources Management  
2 Righter Parkway, Suite 200  
Wilmington, DE 19803

December 14, 2016

Mr. C. David Brown, Ph. D., PG  
Department of Environmental Protection  
2 East Main Street  
Norristown, PA 19401

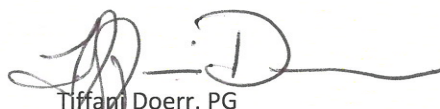
**RE: Philadelphia Energy Solutions Refining & Marketing LLC (PES) Philadelphia Refining Complex  
3144 West Passyunk Avenue, Philadelphia, Philadelphia County, Pennsylvania**

Dear Mr. Brown:

In accordance with the Land Recycling and Environmental Remediation Standards Act (Act 2), enclosed is the revised Notice of Intent to Remediate (NIR) for the Philadelphia Refining Complex (site). The original NIR for the site was submitted on October 12, 2006 and an updated NIR was submitted on November 17, 2014. The purpose of this revised NIR is to to change the selected remediation standard for lead in soil to the Residential Statewide Health Standard for the ball field area of the Point Breeze North Yard.

Please call me at (302) 477-1305 with any questions or comments.

Best Regards,



Tiffany Doerr, PG  
Project Manager

cc: Evergreen File  
Charles Barksdale, Philadelphia Energy Solutions Refining and Marketing, LLC  
Jennifer Menges, Stantec Consulting Services Inc.



## NOTICE OF INTENT TO REMEDIATE

Act 1995-2 requires four general information items to be included in the NIR: the general location, listing of contaminants, intended use of property, and proposed remediation measures. In addition, indicate the standard(s) to be obtained (if known) and attach a scaled site map (if available).

Property Name Philadelphia Energy Solutions Refining & Marketing LLC (PES) Philadelphia Refining Complex

Former Name(s) / AKA Sunoco Inc. (R&M) Philadelphia Refinery

Address / Location 3144 Passyunk Avenue

City Philadelphia Zip Code 19145

Municipality(s) City of Philadelphia County(ies) Philadelphia

Latitude 39 ° (deg). 55 ' (min) 13.976 " (sec) Longitude 75 ° (deg). 11 ' (min) 52.429 " (sec)

Horizontal Collection Method Geographic Information Systems

Horizontal Reference Datum NAD 1983 Reference Point Visitor Entrance

☒ Wish to participate in the DEP/EPA MOA. Contact Troy Conrad at [tconrad@state.pa.us](mailto:tconrad@state.pa.us) for details.

EPA ID#, if known PAD049791098

DEP ID#(s), if known Multiple

(i.e., eFACTS site ID#, storage tank facility ID#, water quality permit #, watershed permit, air quality permit #, etc.)

Date Release Occurred (if known) \_\_\_\_\_

Provide a brief description of the site contamination in plain language (e.g. fuel oil spill, historical chemical industrial area contamination), the names of any know primary contaminants to be addressed, and the intended future use of the property.

The site contamination consists of impacts to soil and groundwater associated with historic petrochemical refining operations. The primary constituents of concern in soil and groundwater are lead, 1,2-dichloroethane, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, benzene, cumene, ethylbenzene, methyl tertiary butyl ether, toluene, total xylenes, ethylene dibromide, anthracene, benzo(a)anthracene, benzo(g,h,i)perylene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, fluorene, naphthalene, phenanthrene, and pyrene. The future use of the facility is to remain industrial.

Provide a general description of proposed remediation measures.

Evergreen is submitting this Notice of Intent to Remediate (NIR) in order to update NIRs previously submitted. The original NIR was submitted on October 6, 2006 and formally entered the property into the PA Act 2 Program. In November 2011, the facility was formally entered into the PA One Cleanup Program with the USEPA and PADEP. The facility has been divided into 11 Areas of Interest (AOIs). These areas consist of the Point Breeze Processing Area North Yard (AOI 8) and South Yards (AOI 1 through AOI 4); the Girard Point South Tank Field (AOI 5) and Processing Area (AOI 6 and AOI 7); the Schuylkill River Tank Farm (AOI 9); the West Yard (AOI 10); and the deep aquifer (AOI 11). On November 17, 2014, a revised NIR was submitted to update the facility ownership and remediator information. The purpose of this current NIR revision is to change the selected remediation standard for

lead in soil to the Residential Statewide Health Standard for the ball field area of the Point Breeze North Yard. Each AOI will be characterized in accordance with PA Act 2, and remedial measures will be developed to address the risk of exposure identified during the characterization activities..

Remediation Standard(s) planned (if known at this time):

<input type="checkbox"/> Unknown at this time	<input type="checkbox"/> Soil	<input type="checkbox"/> Groundwater
<input type="checkbox"/> Background Contaminants:	<input type="checkbox"/> Soil	<input type="checkbox"/> Groundwater
<input checked="" type="checkbox"/> Statewide Health - Residential Contaminants:	<input checked="" type="checkbox"/> Soil	<input type="checkbox"/> Groundwater
<input type="checkbox"/> Statewide Health – Non-Residential Contaminants:	<input type="checkbox"/> Soil	<input type="checkbox"/> Groundwater
<input checked="" type="checkbox"/> Site Specific Contaminants:	<input checked="" type="checkbox"/> Soil	<input checked="" type="checkbox"/> Groundwater
<input type="checkbox"/> Special Industrial Area* Contaminants:	<input type="checkbox"/> Soil	<input type="checkbox"/> Groundwater

\*NOTE: Specific standard or Special Industrial Area require a 30-day municipal comment period

Remediator / Property Owner / Consultant. Complete the form below for each recipient obtaining a release of liability upon approval of the final report. Attach additional sheets as necessary.**Remediator**

Contact Person/Title Tiffani Doerr, PG/Project Manager eFACTS Client ID\* 314958  
 Relationship to Site Remediator Client Type\* Limited Liability Company  
 (e.g. owner, remediator, participant in cleanup, consultant, etc.)  
 Phone Number ((302) 477-1305 Email Address TLDOERR@evergreenresmgt.com  
 Company Name Evergreen Resources Management EIN or Federal ID # 46-4184955  
Operations  
 Address (street, city, state, zip) 2 Righter Parkway, Suite 200, Wilmington, DE 19803

**Property Owner**

Contact Person/Title Charles Barksdale Jr./Site Environmental Director eFACTS Client ID\* 298341  
 Relationship to Site Owner Client Type\* Limited Liability Company  
 (e.g. owner, remediator, participant in cleanup, consultant, etc.)  
 Phone Number 215-339-2074 Email Address charles.barksdale@pes-companies.com  
 Company Name Philadelphia Energy Solutions Refining and EIN or Federal ID # 61-168974  
Marketing, LLC  
 Address (street, city, state, zip) 3144 Passyunk Ave, Philadelphia, PA 19145

**Consultant**

Contact Person/Title Jennifer Menges/Principal Consultant, LRS eFACTS Client ID\* N/A  
 Relationship to Site Consultant Client Type\* N/A  
 (e.g. owner, remediator, participant in cleanup, consultant, etc.)  
 Phone Number (610) 840-2540 Email Address Jennifer.Menges@stantec.com  
 Company Name Stantec EIN or Federal ID # N/A  
 Address (street, city, state, zip) 1060 Andrew Drive, Suite 140, West Chester, PA 19380

\*Include eFACTS Client ID (if known) – “Client Types” below:

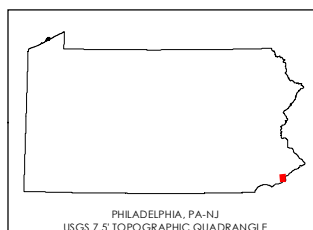
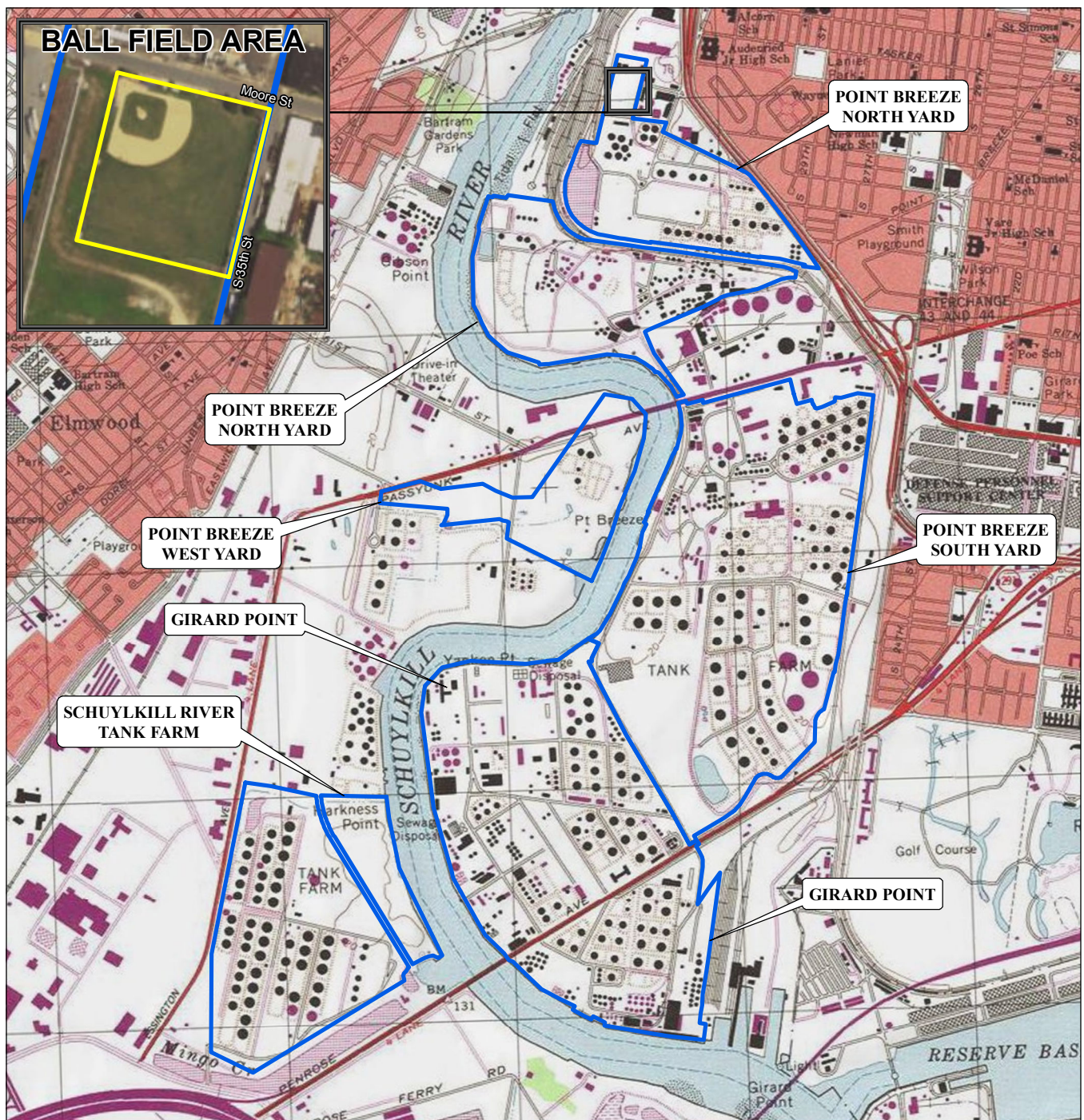
Association/Organization	Limited Liability company	Partnership-General
Authority	Limited Liability Partnership	Partnership-Limited
County	Municipality	School District
Estate/Trust	Non-Pennsylvania Government	Sole Proprietorship
Federal Agency	Other (Non-Government)	State Agency
Individual	Pennsylvania Corporation	

**Preparer of Notice of Intent to Remediate**

Name Tiffani Doerr, PG Title Project Manager  
 Phone Number (302) 477-1305 Email Address TLDOERR@evergreenresmgt.com  
 Company Name Evergreen Resources Management eFACTS Client ID 314958

Operations

Address (street, city, state, zip) 2 Righter Parkway, Suite 200, Wilmington, DE 19803



#### LEGEND

- PHILADELPHIA REFINING COMPLEX
- BALL FIELD AREA

0 1,100 2,200  
Feet  
1:26,400 (at original document size of 8.5x11)



Project Location 213402435  
City of Philadelphia,  
Pennsylvania Prepared by GWC on 11/23/2016  
Technical Review by JKD on 11/28/2016  
Independent Review by JLM on 12/12/2016

Client/Project  
PHILADELPHIA REFINERY OPERATIONS, A SERIES OF  
EVERGREEN RESOURCES GROUP, LLC  
PHILADELPHIA REFINING COMPLEX  
3144 PASSYUNK AVENUE  
PHILADELPHIA, PA 19145

Figure No.  
1

Title  
**SITE LOCATION MAP**

**Notes**  
1. Coordinate System: NAD 1983 StatePlane Pennsylvania South FIPS 3702 Feet  
2. Source: Stantec, Evergreen Resources Management  
3. Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar  
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**Evergreen Resources Management**  
2 Righter Parkway, Suite 200  
Wilmington, DE 19803

December 14, 2016

Leigh Anne Rainford, MPH  
Sanitarian Supervisor  
Philadelphia Department of Public Health  
Environmental Engineering Section  
321 University Avenue  
Philadelphia, PA 19104

**RE: Philadelphia Energy Solutions Refining & Marketing LLC (PES) Philadelphia Refining Complex  
3144 West Passyunk Avenue Philadelphia, Philadelphia County**

Dear Ms. Rainford:

The Land Recycling and Environmental Remediation Standards Act (Act 2) requires that a Notice of Intent to Remediate (NIR) a site be provided to the municipality in which the site is located. This notification is to inform the City of Philadelphia of the submission of an update to previously submitted NIRs. The purpose of the revised NIR is to to change the selected remediation standard for lead in soil to the Residential Statewide Health Standard for the ball field area of the Point Breeze North Yard. A copy of the revised NIR is enclosed for your reference.

Please call me at (302) 477-1305 if you have any questions concerning the proposed remediation.

Best Regards,



Tiffani Doerr, PG  
Project Manager

cc: Evergreen File  
C. David Brown, PADEP  
Charles Barksdale, Philadelphia Energy Solutions Refining and Marketing, LLC  
Jennifer Menges, Stantec Consulting Services Inc.