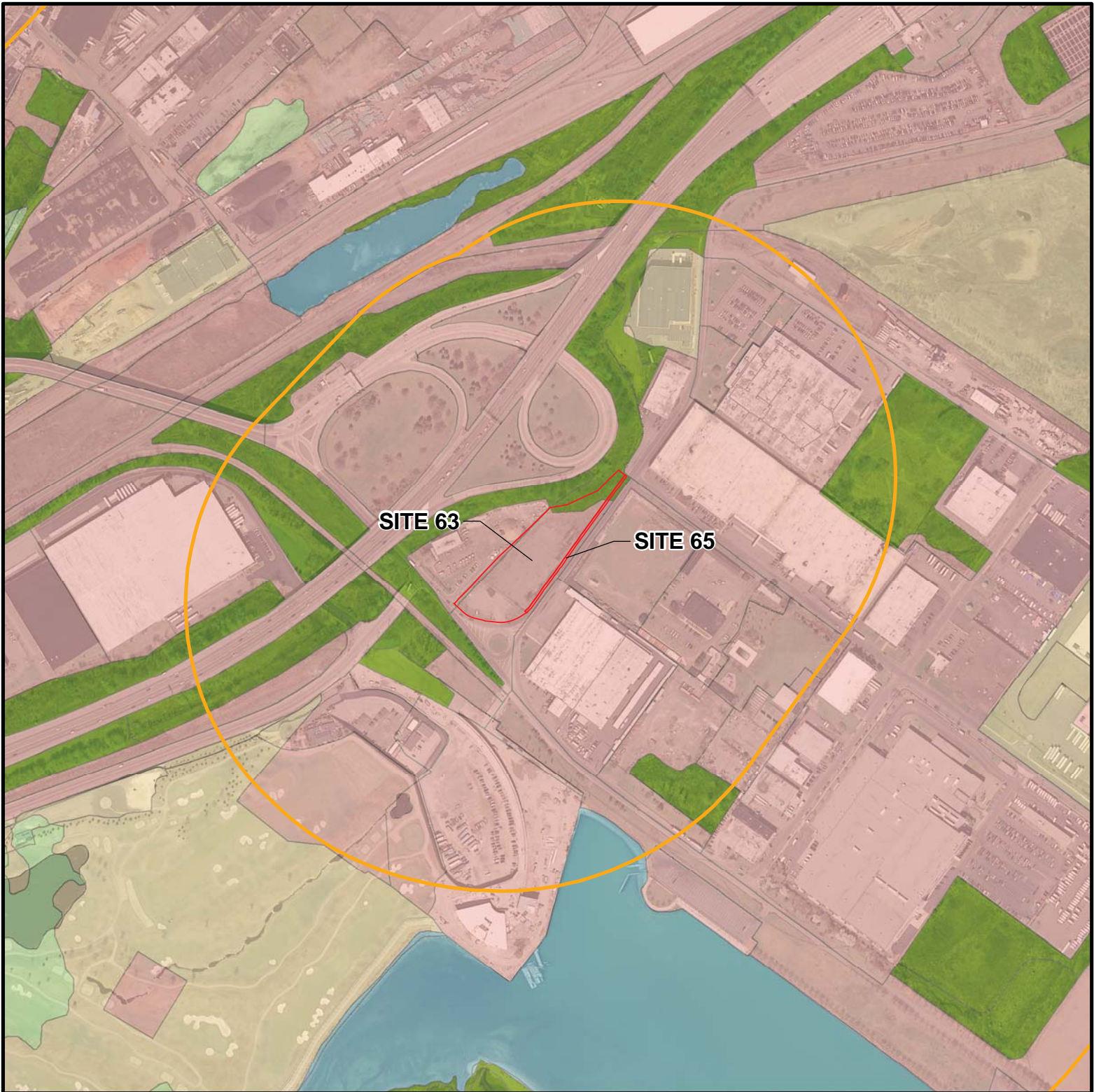


**APPENDIX G ECOLOGICAL EVALUATION SUPPORTING
INFORMATION**

APPENDIX G-1 WORK PLAN DRAWINGS

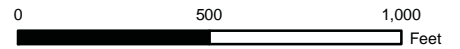


SITE 63

SITE 65

LEGEND

- SITE BOUNDARY
- 1,000-FOOT RADIUS
- AGRICULTURE
- BARREN LAND
- FOREST
- URBAN
- WATER
- WETLANDS



Notes:

1. State Plane NAD83 Coordinates, U.S. Survey Feet;
2. New Jersey 2007 - 2008 High Resolution Orthophotography, NJ Office of Information Technology (NJGIT), Office of Geographic Information Systems (OGIS), Trenton, New Jersey, 2009;
3. NJDEP 2007 Land use/Land Cover Update, Hackensack, Hudson, Pascack Watershed Management Area, WMA05, Trenton, New Jersey, 2010.

Land Use Within 1,000 Feet of the Site

PPG Industries
 Sites 63 and 65 Burma Road
 Jersey City, Hudson County, New Jersey



AECOM Environment
 30 KNIGHTBRIDGE ROAD, SUITE 520
 PISCATAWAY, NEW JERSEY 08854
 PHONE: (732) 564-3600
 FAX: (732) 369-0122
 www.aecom.com

FIGURE NUMBER:

4

SHEET NUMBER:

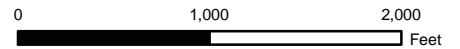
1 of 1



SCALE:	DATE:	PROJECT NUMBER:	PATH AND FILE NAME:
1:6,000	11/10/2010	60149955	\\PPG INDUSTRIES - PPG\GIS\site_63and65_landuse.mxd



- LEGEND**
- SITE BOUNDARY
 - ARTIFICIAL LAKES
 - INLAND BAYS, AND TIDAL WATERS



- Notes:
1. State Plane NAD83 Coordinates, U.S. Survey Feet;
 2. New Jersey 2007 - 2008 High Resolution Orthophotography, NJ Office of Information Technology (NJGIT), Office of Geographic Information Systems (OGIS), Trenton, New Jersey, 2009;
 3. Surface water bodies extracted from NJDEP 2007 Land use/Land Cover Update, Hackensack, Hudson, Pascack Watershed Management Area, WMA05, Trenton, New Jersey, 2010;
 4. Additional waterbodies were compiled from aerial photography. No field verification of contours, spot elevations or planimetric features was performed. Photogrammetric control was conducted on April 27 through May 4, 2010 by C.T. Male Associates, P.C.



Surface Water Bodies Within 1/2-Mile of the Site

PPG Industries
 Sites 63 and 65 Burma Road
 Jersey City, Hudson County, New Jersey

AECOM

AECOM Environment
 30 KNIGHTBRIDGE ROAD, SUITE 520
 PISCATAWAY, NEW JERSEY 08854
 PHONE: (732) 564-3600
 FAX: (732) 369-0122
 www.aecom.com

FIGURE NUMBER:

6

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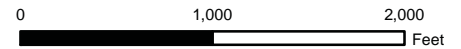
1 of 1

SCALE:	DATE:	PROJECT NUMBER:	PATH AND FILE NAME:
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LEGEND

- 1/2 MILE RADIUS
- DISTURBED WETLANDS (MODIFIED)
- MANAGED WETLAND IN BUILT-UP MAINTAINED REC AREA
- DECIDUOUS SCRUB/SHRUB WETLANDS
- PHRAGMITES DOMINATE INTERIOR WETLANDS
- SURFACE WATER
- MARSH



Notes:

1. State Plane NAD83 Coordinates, U.S. Survey Feet;
2. New Jersey 2007 - 2008 High Resolution Orthophotography, NJ Office of Information Technology (NJGIT), Office of Geographic Information Systems (OGIS), Trenton, New Jersey, 2009;
3. Wetlands and Surface Water extracted from NJDEP 2007 Land use/Land Cover Update, Hackensack, Hudson, Pascack Watershed Management Area, WMA05, Trenton, New Jersey, 2010;
4. Additional waterbodies were compiled from aerial photogrammetry. No field verification of contours, spot elevations or planimetric features was performed. Photogrammetric control was conducted on April 27 through May 4, 2010 by C.T. Male Associates, P.C.



Wetlands Within 1/2-Mile of the Site

PPG Industries
 Sites 63 and 65 Burma Road
 Jersey City, Hudson County, New Jersey



AECOM Environment
 30 KNIGHTBRIDGE ROAD, SUITE 520
 PISCATAWAY, NEW JERSEY 08854
 PHONE: (732) 564-3600
 FAX: (732) 369-0122
 www.aecom.com

FIGURE NUMBER:

7

SHEET NUMBER:

1 of 1

SCALE:	DATE:	PROJECT NUMBER:	PATH AND FILE NAME:
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APPENDIX G-2 RECEPTOR EVALUATION REPORT, SITE 063



New Jersey Department of Environmental Protection
Site Remediation Program

RECEPTOR EVALUATION FORM

Non-LSRP (Existing Cases) LSRP Subsurface Evaluator

Date Stamp
(For Department use only)

SECTION A. SITE NAME AND LOCATION

Site Name: Hudson County Chromate 63

List all AKAs: HCC Site 63; Baldwin Oil

Street Address: 1 Burma Road

Municipality: Jersey City (Township, Borough or City)

County: Hudson County Zip Code: 07305

Mailing Address if different than street address: PPG Industries, 4325 Rosanna Drive Bldg. E, Allison Park PA 15101

Program Interest (PI) Number(s): G000008691 Case Tracking Number(s): 100360

The purpose of this form is to document the existence of receptors and the actions taken to protect receptors and is required unless an unrestricted remedial action is completed before the due date of the **initial** Receptor Evaluation. At the time of the initial or interim Receptor Evaluation the Department acknowledges that the remedial investigation may not be fully complete. The Receptor Evaluation should be completed in accordance with requirements and timeframes in the Technical Requirements for Site Remediation and is an ongoing process as the extent of contamination is defined. The Receptor Evaluation should be submitted within the Mandatory Timeframes.

Initial Submission Interim Submission
 No Change (if no change, indicate last RE date and skip to Section G: _____)

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 boundary (check all that apply):

	On-site	Off-site
None of the following	<input checked="" type="checkbox"/>	<input checked="" 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 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):

Industrial Residential Commercial Agricultural
 School or child care Government Park or recreational use
 Vacant Other _____

3. Planned future site uses and offsite use within 200 ft of site boundary (check all that apply):

Industrial Residential Commercial Agricultural
 School or child care Government Park or recreational use
 Vacant Other _____

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

Initial Submission Interim Submission
 No Change (if no change, indicate last RE date and skip to Section G: _____)

SECTION C. DESCRIPTION OF CONTAMINATION

1. Identify if any of the following exist at the site (check all that apply):

- Free product [N.J.A.C. 7:26E-1.8]
- Residual product [N.J.A.C. 7:26E-1.8]
- Other high concentration source materials not identified above (e.g., buried drums, containers, unsecured friable asbestos)

Explain Chromate Chemical Production Waste (CCPW)

2. If this evaluation is submitted with a technical document that includes this 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. See Attachment C-1

- Initial Submission Interim Submission
- No Change (if no change, indicate last RE date and skip to Section G: _____)

SECTION D. GROUND WATER USE

- 1. The requirement for ground water sampling has been triggered. If "No," proceed to Section F..... Yes No
 - 2. Ground water is contaminated above the Ground Water Remediation Standards [N.J.A.C.7:9C]..... Yes No
- Or Awaiting laboratory data with the expected due date: _____

If "Yes," provide the date that the laboratory data were available and contamination exists above the Ground Water Remediation Standards. Date _____

If "No," or awaiting laboratory data proceed to Section F.

- 3. Identify if any of the following conditions exist based on the well search [N.J.A.C.7:26E-1.17(a)] (check all that apply):
 - Potable wells located within 1000 feet from the downgradient edge of the currently known extent of contamination.
 - Potable well located 250 feet upgradient or 500 feet side gradient of the currently known extent of contamination.
 - Ground water contamination is located within a wellhead protection area Tier 1 or Tier 2 (WHPA).
Tier: Identify if Tier 1 or Tier 2 .
 - 4. Complete and attach the Well Search spreadsheet. See Attachment D-1
 - 5. Potable use wells have been identified in the well search and the area has been canvassed for additional ground water use (potable and irrigation wells, etc.) Yes No
 - 6. Potable wells and non-potable use wells were identified and potable well and /or non-potable use well sampling has been conducted Yes No
 - 7. Contamination identified above Ground Water Remediation Standards but not suspected to be from the site (if "Yes," provide justification)..... Yes No
 - 8. Potable wells were sampled and results were above State or Federal Drinking Water Standard Yes No
- Date _____ Or Awaiting laboratory data with the expected due date _____

If "Yes" to #8 for potable well contamination not attributable to background follow the IEC Guidance Document at http://www.nj.gov/dep/srp/guidance/srra/iec_guidance_draft.pdf.

- IEC was abated Yes No
- Date _____ NJDEP Case Manager _____

- 9. Receptors abated as part of mitigation (provide a brief narrative description)..... Yes No
- 10. Non-potable use wells were sampled and results were above GWQS.
Date _____ Or Awaiting laboratory data and the expected due date: _____

- Initial Submission Interim Submission
- No Change (if no change, indicate last RE date and skip to Section G: _____)

SECTION E. VAPOR INTRUSION (VI)

- 1. Contaminants present in ground water exceed vapor intrusion ground water screening levels (see NJDEP Vapor Intrusion Guidance) that trigger a VI evaluation. Yes No

Or Awaiting laboratory data and the expected due date: _____

Provide the date that the laboratory data was available and confirmed contamination above the Vapor Intrusion trigger levels. _____

If "No," or awaiting laboratory data, proceed to Section F.

1. Identify and locate on scaled map any structures/sensitive populations that exist within the following distances from ground water contamination with concentrations above the Ground Water Screening Levels for Vapor Intrusion or specific threats (check all that apply):

- 30 feet of dissolved petroleum hydrocarbon contamination in ground water.
- 100 feet of any free product or any non-petroleum dissolved volatile organic ground water contamination.
- No structures exist within the specified distances
- Unsaturated zone contamination Methanogenic conditions
- Landfills on or adjacent to site Elevated soil gas or indoor vapors
- Elemental mercury Basement or sump contains contaminated ground water or product
- Other _____

- 3. A VI evaluation has been conducted of the structures to address threats identified Yes No
- 4. The vapor intrusion pathway is not a concern at or adjacent to the site (if "yes", attach justification) Yes No
- 5. Contamination identified but not suspected to be from the site (if "Yes," attach justification) Yes No
- 6. Indoor air sampling was conducted and results were above the Department's proposed vapor intrusion Rapid Action Levels. Yes No

Or Awaiting laboratory data

Provide the date that the laboratory data was received and detected contamination above the proposed vapor intrusion Rapid Action Levels. _____

If "Yes" to #6 above, required actions for contamination follow the IEC Guidance Document at http://www.nj.gov/dep/srp/guidance/srra/iec_guidance_draft.pdf.

The IEC receptor engineering system response for receptor control was implemented for all identified structures Yes No

Date _____ NJDEP Case Manager _____

7. Indoor air sampling was conducted and results were above the Department's Indoor Air Screening Levels but at or below the proposed vapor intrusion Rapid Action Levels..... Yes No

Or Awaiting laboratory data

If "Yes" to #7 above, required actions are:

Vapor Concern Response Action Form notification of the exceedances of the data has been completed (date _____) Yes No

A plan to mitigate and monitor the exposure has been submitted (date _____)..... Yes No

The mitigation response action report has been submitted (date _____) Yes No

8. The vapor intrusion investigation is being completed and stepping out as part of the site investigation or remedial investigation (if "No" attach justification) Yes No

Initial Submission Interim Submission

No Change (if no change, indicate last RE date and skip to Section G: _____)

SECTION F. ECOLOGICAL RECEPTORS

1. Identify any of the following conditions that exist based on the investigations conducted to date (check all that apply):

The results of a baseline ecological evaluation [N.J.A.C.7:26E- 3.11] required that a remedial investigation of ecological receptors [N.J.A.C.7:26E-4.7] is conducted..... Yes No

Provide the name(s) of any surface water body on or within 200 feet of the site. None within 200 ft.

- Free product or residual product is located within 100 feet from an ecological receptor..... Yes No
2. Available data indicates an impact on ecological receptor(s), surface water or sediment. Yes No
- Initial Submission Interim Submission
- No Change (if no change, indicate last RE date and skip to Section G: _____)

SECTION G. PERSON RESPONSIBLE FOR CONDUCTING THE REMEDIATION INFORMATION AND CERTIFICATION

Full Legal Name of the Person Responsible for Conducting the Remediation: PPG Industries, Inc.

Representative First Name: Mark Representative Last Name: Terril

Title: Director, Environmental Affairs

Phone Number: (412) 492-5466 Ext: _____ Fax: (412) 492-5377

Mailing Address: 4325 Rosanna Drive, Building E

City/Town: Allison Park State: PA Zip Code: 15101

Email Address: terril@ppg.com

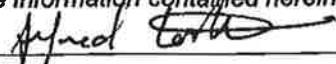
This certification shall be signed by the person responsible for conducting the remediation who is submitting this notification in accordance with Administrative Requirements for the Remediation of Contaminated Sites rule at N.J.A.C. 7:26C-1.5(a).

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein, including all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, to the best of my knowledge, I believe that the submitted information is true, accurate and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute, I am personally liable for the penalties.

Signature:  Date: 1/11/2012

Name/Title: Mark E. Terril / Director, Environmental Affairs **No Changes Since Last Submittal**

SECTION H. NON-LSRP SITE REMEDIATION PROFESSIONAL STATEMENT

First Name: <u>Alfred</u>	Last Name: <u>LoPilato</u>	
Phone Number: <u>(845) 425-4980</u>	Ext: <u>17</u>	Fax: _____
Mailing Address: <u>100 Red Schoolhouse Road, Unit B-1</u>		
City/Town: <u>Chestnut Ridge</u>	State: <u>NY</u>	Zip Code: <u>08854</u>
Email Address: <u>alfred.lopilato@aecom.com</u>		
<i>I believe that the information contained herein, and including all attached documents, is true, accurate and complete.</i>		
Signature: 	Date: <u>01/11/2012</u>	
Name/Title: <u>Alfred J. LoPilato / Program Manager</u>	No Changes Since Last Submittal <input type="checkbox"/>	
Company Name: <u>AECOM</u>		

Submit this form to the assigned case manager, municipal clerk and designate health department. If there is no assigned case manager, submit this form to:

Bureau of Case Assignment & Initial Notice
New Jersey Department of Environmental Protection
Site Remediation Program
401 East State Street, PO Box 434
Trenton, NJ 08625

SECTION H. LICENSED SITE REMEDIATION PROFESSIONAL INFORMATION AND STATEMENT

LSRP ID Number: _____
First Name: _____ Last Name: _____
Phone Number: _____ Ext: _____ Fax: _____
Mailing Address: _____
City/Town: _____ State: _____ Zip Code: _____
Email Address: _____

This statement shall be signed by the LSRP who is submitting this notification in accordance with SRRRA Section 16 d. and Section 30 b.2.

I certify that I am a Licensed Site Remediation Professional authorized pursuant to N.J.S.A. 58:10C to conduct business in New Jersey. As the Licensed Site Remediation Professional of record for this remediation, I:

[SELECT ONE OR BOTH OF THE FOLLOWING AS APPLICABLE]:

- directly oversaw and supervised all of the referenced remediation, and/or*
- personally reviewed and accepted all of the referenced remediation presented herein.*

I believe that the information contained herein, and including all attached documents, is true, accurate and complete.

It is my independent professional judgment and opinion that the remediation conducted at this site, as reflected in this submission to the Department, conforms to, and is consistent with, the remediation requirements in N.J.S.A. 58:10C-14.

My conduct and decisions in this matter were made upon the exercise of reasonable care and diligence, and by applying the knowledge and skill ordinarily exercised by licensed site remediation professionals practicing in good standing, in accordance with N.J.S.A. 58:10C-16, in the State of New Jersey at the time I performed these professional services.

I am aware pursuant to N.J.S.A. 58:10C-17 that for purposely, knowingly or recklessly submitting false statement, representation or certification in any document or information submitted to the board or Department, etc., that there are significant civil, administrative and criminal penalties, including license revocation or suspension, fines and being punished by imprisonment for conviction of a crime of the third degree.

LSRP Signature: _____ Date: _____
LSRP Name/Title: _____ **No Changes Since Last Submittal**
Company Name: _____

Submit this form to the assigned case manager, municipal clerk and designate health department. If there is no assigned case manager, submit this form to:

Bureau of Case Assignment & Initial Notice
New Jersey Department of Environmental Protection
Site Remediation Program
401 East State Street, PO Box 434
Trenton, NJ 08625

SECTION H. SUBSURFACE EVALUATOR UST REPORT CERTIFICATION FORM

I certify under penalty of law that the work was performed under my oversight and I have reviewed the report and all attached documents, and the submitted information is true, accurate and complete in accordance with the requirements of N.J.A.C. 7:14B and N.J.A.C. 7:26E. I am aware that there are significant civil and criminal penalties for submitting false, inaccurate or incomplete information including fines and/or imprisonment.

Name: _____ UST Cert. No.: _____
Firm: _____ Firm's UST Cert. Number: _____
Firm Address: _____
City/Town: _____ State: _____ Zip Code: _____
Phone Number: _____ Ext: _____ Fax: _____
Signature: _____ Date: _____
No Changes Since Last Submittal

Submit this form to the assigned case manager, municipal clerk and designate health department. If there is no assigned case manager, submit this form to:

Bureau of Case Assignment & Initial Notice
New Jersey Department of Environmental Protection
Site Remediation Program
401 East State Street, PO Box 434
Trenton, NJ 08625

Attachment C-1

**Brief summary of all currently available
data and information in reports previously
submitted to the NJDEP**

Attachment C-1

Brief summary of all currently available data and information in reports previously submitted to the NJDEP

Site 63 - Baldwin Oil

Site 63 is bordered by Site 65 and Burma Road to the east, Morris Pesin Drive to the south, and property owned by the New Jersey Turnpike Authority ("NJTA") to the west. It is approximately 2.11 acres in area (IT Corporation, 2000). A warehouse was constructed on the property in 1959 and was approximately 210 feet by 120 feet in plan. The warehouse was constructed on a floor slab approximately four feet above grade and included a loading dock along the north and west sides.

Demolition of the warehouse building occurred between November 9, 1998 and December 18, 1998 and floor slab removal occurred between February 15, 1999 and August 5, 1999. The interim remedial measure ("IRM") activities included removal of the building's concrete floor slab and loading dock floor slab, removal of the underlying fill materials including most of the CCPW-impacted fill, installation of a high-density polyethylene ("HDPE") liner, backfilling, and grading (IT Corporation, 2000).

As part of the IRM activities, soil sampling was performed in September 1998 to collect preliminary information for planning the removal of the platform beneath the building. The purpose of this investigation was to collect soil samples required for the remedial investigation prior to excavation and liner installation (IT Corporation, 2000). Additional sampling was performed following demolition in January 1999. A total of 20 soil borings were advanced, 9 of which were installed during the week of September 21, 1998, and 11 of which were installed during the week of January 4, 1999. Sixteen of the soil borings were drilled through the floor of the slab and four of the borings were drilled adjacent to it at the northern, western, and southern sides of the floor slab. The locations of these borings are shown on Figure 3 of this RIWP and Drawing 4-1 from the IT Corporation 2000 IRAR included in Appendix E. The depth of these borings ranged from 5 to 15 feet below the ground or platform surface, and soil samples were collected at intervals of approximately 2 feet. One hundred and nine analytical samples were submitted for total and Cr⁺⁶ analyses. Boring logs and analytical results are included in Appendix E (IT Corporation, 2000).

CCPW was visually identified in all 16 of the borings advanced through the building foundation, and in none of the 4 borings surrounding the platform. CCPW was observed as nodules in samples of relatively soft reddish-brown silt or clay from immediately below the floor to a maximum depth of 7.5 ft below ground surface ("bgs"). The level of concern for Cr⁺⁶ at Sites 63 and 65 was tentatively set at 100 mg/kg pending the development of an alternative NJDEP Cr⁺⁶ remediation standard. Fifteen of the 16 soil borings advanced through the platform had Cr⁺⁶ concentrations exceeding 100 mg/kg. Material exceeding 100 mg/kg Cr⁺⁶ ranged in depth from immediately below the slab to approximately 10 ft bgs. Drawing 4-1 from the IT Corporation's

2000 Draft IRAR, which is included in Appendix E, provides a summary of the maximum concentrations of Cr⁺⁶ for material remaining following the 1999 IRM excavation. In general, the highest concentrations of Cr⁺⁶ were detected in the middle of the building, toward the northern side of the building. No Cr⁺⁶ exceeding 100 mg/kg was detected in the borings advanced to the north, south, and west of the platform (IT Corporation, 2000). Post-excavation sampling conducted after the platform excavation was limited because this IRM was not intended to completely remove chromium contamination (IT Corporation, 2000). Samples collected from the base and sidewalls of the excavation were analyzed for total Cr, Cr⁺⁶, Ni, and V, and all but 2 of the 19 samples collected were located within the former loading dock area which bordered the north and west sides of the building. Chromium concentrations were highest beneath the former building (IT Corporation, 2000).

References:

ICF Kaiser Engineers, Inc., 1991. *"Draft Remedial Investigation Work Plan Group 12 – Site 63 – Baldwin Oil and Site 65 – Burma Road."* November 19, 1991.

IT Corporation, 2000. *"Draft Interim Remedial Action Report – Site 63 – Baldwin Oil Site – Site 65 – Burma Road Site."* January 11, 2000.

AECOM, 2010. *"Draft Remedial Investigation Work Plan, Non – Residential Chromate Chemical Production Waste Sites – Sites 63 and 65, Jersey City, New Jersey"* December 2010.

Attachment D-1

Results of Well Search

Well Search for

CASE NAME:	Hudson County Chromate 63
PROGRAM INTEREST (PI) ID # :	G000008691
SPREADSHEET SUBMISSION DATE:	

WELL_PERMIT_NUM WELL_TYPE LOCATION_ADDRESS COUNTY Hudson MUNICIPALITY Jersey City COMU 0906 BLOCK LOT X Y COORD_METHOD FINISHED_DEPTH OPEN_INTER STATIC_LEVEL STATUS

No wells found within a 1/2 mile radius around the site.

APPENDIX G-3 RECEPTOR EVALUATION REPORT, SITE 065



New Jersey Department of Environmental Protection
Site Remediation Program

RECEPTOR EVALUATION FORM

Non-LSRP (Existing Cases) LSRP Subsurface Evaluator

Date Stamp
(For Department use only)

SECTION A. SITE NAME AND LOCATION

Site Name: Hudson County Chromate 63

List all AKAs: HCC Site 63; Baldwin Oil

Street Address: 1 Burma Road

Municipality: Jersey City (Township, Borough or City)

County: Hudson County Zip Code: 07305

Mailing Address if different than street address: PPG Industries, 4325 Rosanna Drive Bldg. E, Allison Park PA 15101

Program Interest (PI) Number(s): G000008691 Case Tracking Number(s): 100360

The purpose of this form is to document the existence of receptors and the actions taken to protect receptors and is required unless an unrestricted remedial action is completed before the due date of the initial Receptor Evaluation. At the time of the initial or interim Receptor Evaluation the Department acknowledges that the remedial investigation may not be fully complete. The Receptor Evaluation should be completed in accordance with requirements and timeframes in the Technical Requirements for Site Remediation and is an ongoing process as the extent of contamination is defined. The Receptor Evaluation should be submitted within the Mandatory Timeframes.

Initial Submission Interim Submission
 No Change (if no change, indicate last RE date and skip to Section G: _____)

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 boundary (check all that apply):

	On-site	Off-site
None of the following	<input checked="" type="checkbox"/>	<input checked="" 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 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):

Industrial Residential Commercial Agricultural
 School or child care Government Park or recreational use
 Vacant Other _____

3. Planned future site uses and offsite use within 200 ft of site boundary (check all that apply):

Industrial Residential Commercial Agricultural
 School or child care Government Park or recreational use
 Vacant Other _____

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

Initial Submission Interim Submission
 No Change (if no change, indicate last RE date and skip to Section G: _____)

SECTION C. DESCRIPTION OF CONTAMINATION

1. Identify if any of the following exist at the site (check all that apply):

- Free product [N.J.A.C. 7:26E-1.8]
- Residual product [N.J.A.C. 7:26E-1.8]
- Other high concentration source materials not identified above (e.g., buried drums, containers, unsecured friable asbestos)

Explain Chromate Chemical Production Waste (CCPW)

2. If this evaluation is submitted with a technical document that includes this 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. See Attachment C-1

- Initial Submission Interim Submission
- No Change (if no change, indicate last RE date and skip to Section G: _____)

SECTION D. GROUND WATER USE

- 1. The requirement for ground water sampling has been triggered. If "No," proceed to Section F..... Yes No
 - 2. Ground water is contaminated above the Ground Water Remediation Standards [N.J.A.C.7:9C]..... Yes No
- Or Awaiting laboratory data with the expected due date: _____

If "Yes," provide the date that the laboratory data were available and contamination exists above the Ground Water Remediation Standards. Date _____

If "No," or awaiting laboratory data proceed to Section F.

- 3. Identify if any of the following conditions exist based on the well search [N.J.A.C.7:26E-1.17(a)] (check all that apply):
 - Potable wells located within 1000 feet from the downgradient edge of the currently known extent of contamination.
 - Potable well located 250 feet upgradient or 500 feet side gradient of the currently known extent of contamination.
 - Ground water contamination is located within a wellhead protection area Tier 1 or Tier 2 (WHPA).
Tier: Identify if **Tier 1** or **Tier 2** .
 - 4. Complete and attach the Well Search spreadsheet. See Attachment D-1
 - 5. Potable use wells have been identified in the well search and the area has been canvassed for additional ground water use (potable and irrigation wells, etc.) Yes No
 - 6. Potable wells and non-potable use wells were identified and potable well and /or non-potable use well sampling has been conducted..... Yes No
 - 7. Contamination identified above Ground Water Remediation Standards but not suspected to be from the site (if "Yes," provide justification)..... Yes No
 - 8. Potable wells were sampled and results were above State or Federal Drinking Water Standard..... Yes No
- Date _____ Or Awaiting laboratory data with the expected due date _____

If "Yes" to #8 for potable well contamination not attributable to background follow the IEC Guidance Document at http://www.nj.gov/dep/srp/guidance/srra/iec_guidance_draft.pdf.

IEC was abated Yes No

Date _____ NJDEP Case Manager _____

- 9. Receptors abated as part of mitigation (provide a brief narrative description)..... Yes No
- 10. Non-potable use wells were sampled and results were above GWQS.
Date _____ Or Awaiting laboratory data and the expected due date: _____

- Initial Submission Interim Submission
- No Change (if no change, indicate last RE date and skip to Section G: _____)

SECTION E. VAPOR INTRUSION (VI)

- 1. Contaminants present in ground water exceed vapor intrusion ground water screening levels (see NJDEP Vapor Intrusion Guidance) that trigger a VI evaluation. Yes No

Or Awaiting laboratory data and the expected due date: _____

Provide the date that the laboratory data was available and confirmed contamination above the Vapor Intrusion trigger levels. _____

If "No," or awaiting laboratory data, proceed to Section F.

1. Identify and locate on scaled map any structures/sensitive populations that exist within the following distances from ground water contamination with concentrations above the Ground Water Screening Levels for Vapor Intrusion or specific threats (check all that apply):

- 30 feet of dissolved petroleum hydrocarbon contamination in ground water.
- 100 feet of any free product or any non-petroleum dissolved volatile organic ground water contamination.
- No structures exist within the specified distances
- Unsaturated zone contamination
- Landfills on or adjacent to site
- Elemental mercury
- Other _____
- Methanogenic conditions
- Elevated soil gas or indoor vapors
- Basement or sump contains contaminated ground water or product

3. A VI evaluation has been conducted of the structures to address threats identified Yes No

4. The vapor intrusion pathway is not a concern at or adjacent to the site (if "yes", attach justification) Yes No

5. Contamination identified but not suspected to be from the site (if "Yes," attach justification) Yes No

6. Indoor air sampling was conducted and results were above the Department's proposed vapor intrusion Rapid Action Levels. Yes No

Or Awaiting laboratory data

Provide the date that the laboratory data was received and detected contamination above the proposed vapor intrusion Rapid Action Levels. _____

If "Yes" to #6 above, required actions for contamination follow the IEC Guidance Document at http://www.nj.gov/dep/srp/guidance/srra/iec_guidance_draft.pdf.

The IEC receptor engineering system response for receptor control was implemented for all identified structures Yes No

Date _____ NJDEP Case Manager _____

7. Indoor air sampling was conducted and results were above the Department's Indoor Air Screening Levels but at or below the proposed vapor intrusion Rapid Action Levels Yes No

Or Awaiting laboratory data

If "Yes" to #7 above, required actions are:

Vapor Concern Response Action Form notification of the exceedances of the data has been completed (date _____) Yes No

A plan to mitigate and monitor the exposure has been submitted (date _____) Yes No

The mitigation response action report has been submitted (date _____) Yes No

8. The vapor intrusion investigation is being completed and stepping out as part of the site investigation or remedial investigation (if "No" attach justification) Yes No

Initial Submission Interim Submission

No Change (if no change, indicate last RE date and skip to Section G: _____)

SECTION F. ECOLOGICAL RECEPTORS

1. Identify any of the following conditions that exist based on the investigations conducted to date (check all that apply):

The results of a baseline ecological evaluation [N.J.A.C.7:26E- 3.11] required that a remedial investigation of ecological receptors [N.J.A.C.7:26E-4.7] is conducted Yes No

Provide the name(s) of any surface water body on or within 200 feet of the site. None within 200 ft.

- Free product or residual product is located within 100 feet from an ecological receptor..... Yes No
2. Available data indicates an impact on ecological receptor(s), surface water or sediment. Yes No
- Initial Submission Interim Submission
- No Change (if no change, indicate last RE date and skip to Section G: _____)

SECTION G. PERSON RESPONSIBLE FOR CONDUCTING THE REMEDIATION INFORMATION AND CERTIFICATION

Full Legal Name of the Person Responsible for Conducting the Remediation: PPG Industries, Inc.

Representative First Name: Mark Representative Last Name: Terril

Title: Director, Environmental Affairs

Phone Number: (412) 492-5466 Ext: _____ Fax: (412) 492-5377


Mailing Address: 4325 Rosanna Drive, Building E

City/Town: Allison Park State: PA Zip Code: 15101

Email Address: terril@ppg.com

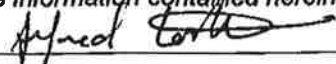
This certification shall be signed by the person responsible for conducting the remediation who is submitting this notification in accordance with Administrative Requirements for the Remediation of Contaminated Sites rule at N.J.A.C. 7:26C-1.5(a).

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein, including all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, to the best of my knowledge, I believe that the submitted information is true, accurate and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute, I am personally liable for the penalties.

Signature:  Date: 1/11/2012

Name/Title: Mark E. Terril / Director, Environmental Affairs **No Changes Since Last Submittal**

SECTION H. NON-LSRP SITE REMEDIATION PROFESSIONAL STATEMENT

First Name: Alfred Last Name: LoPilato
Phone Number: (845) 425-4980 Ext: 17 Fax: _____
Mailing Address: 100 Red Schoolhouse Road, Unit B-1
City/Town: Chestnut Ridge State: NY Zip Code: 08854
Email Address: alfred.lopilato@aecom.com
I believe that the information contained herein, and including all attached documents, is true, accurate and complete.
Signature:  Date: 01/11/2012
Name/Title: Alfred J. LoPilato / Program Manager No Changes Since Last Submittal
Company Name: AECOM

Submit this form to the assigned case manager, municipal clerk and designate health department. If there is no assigned case manager, submit this form to:

Bureau of Case Assignment & Initial Notice
New Jersey Department of Environmental Protection
Site Remediation Program
401 East State Street, PO Box 434
Trenton, NJ 08625

SECTION H. LICENSED SITE REMEDIATION PROFESSIONAL INFORMATION AND STATEMENT

LSRP ID Number: _____

First Name: _____ Last Name: _____

Phone Number: _____ Ext: _____ Fax: _____

Mailing Address: _____

City/Town: _____ State: _____ Zip Code: _____

Email Address: _____

This statement shall be signed by the LSRP who is submitting this notification in accordance with SRRRA Section 16 d. and Section 30 b.2.

I certify that I am a Licensed Site Remediation Professional authorized pursuant to N.J.S.A. 58:10C to conduct business in New Jersey. As the Licensed Site Remediation Professional of record for this remediation, I:

[SELECT ONE OR BOTH OF THE FOLLOWING AS APPLICABLE]:

- directly oversaw and supervised all of the referenced remediation, and/or*
- personally reviewed and accepted all of the referenced remediation presented herein.*

I believe that the information contained herein, and including all attached documents, is true, accurate and complete.

It is my independent professional judgment and opinion that the remediation conducted at this site, as reflected in this submission to the Department, conforms to, and is consistent with, the remediation requirements in N.J.S.A. 58:10C-14.

My conduct and decisions in this matter were made upon the exercise of reasonable care and diligence, and by applying the knowledge and skill ordinarily exercised by licensed site remediation professionals practicing in good standing, in accordance with N.J.S.A. 58:10C-16, in the State of New Jersey at the time I performed these professional services.

I am aware pursuant to N.J.S.A. 58:10C-17 that for purposely, knowingly or recklessly submitting false statement, representation or certification in any document or information submitted to the board or Department, etc., that there are significant civil, administrative and criminal penalties, including license revocation or suspension, fines and being punished by imprisonment for conviction of a crime of the third degree.

LSRP Signature: _____ Date: _____

LSRP Name/Title: _____ **No Changes Since Last Submittal**

Company Name: _____

Submit this form to the assigned case manager, municipal clerk and designate health department. If there is no assigned case manager, submit this form to:

Bureau of Case Assignment & Initial Notice
New Jersey Department of Environmental Protection
Site Remediation Program
401 East State Street, PO Box 434
Trenton, NJ 08625

SECTION H. SUBSURFACE EVALUATOR UST REPORT CERTIFICATION FORM

I certify under penalty of law that the work was performed under my oversight and I have reviewed the report and all attached documents, and the submitted information is true, accurate and complete in accordance with the requirements of N.J.A.C. 7:14B and N.J.A.C. 7:26E. I am aware that there are significant civil and criminal penalties for submitting false, inaccurate or incomplete information including fines and/or imprisonment.

Name: _____ UST Cert. No.: _____
Firm: _____ Firm's UST Cert. Number: _____
Firm Address: _____
City/Town: _____ State: _____ Zip Code: _____
Phone Number: _____ Ext: _____ Fax: _____
Signature: _____ Date: _____
No Changes Since Last Submittal

Submit this form to the assigned case manager, municipal clerk and designate health department. If there is no assigned case manager, submit this form to:

Bureau of Case Assignment & Initial Notice
New Jersey Department of Environmental Protection
Site Remediation Program
401 East State Street, PO Box 434
Trenton, NJ 08625

Attachment C-1

**Brief summary of all currently available
data and information in reports previously
submitted to the NJDEP**

Attachment C-1

Brief summary of all currently available data and information in reports previously submitted to the NJDEP

Site 65 – Burma Road

Site 65 is the narrow strip of land measuring less than eight feet wide and over 300 feet long on the west side of Burma Road between Burma Road and Site 63. The site is on the shoulder of the road between the paved Burma Road and the Baldwin Oil site and was initially included with Site 063 due to its proximity to that site (ICF Kaiser, 1991). A warehouse was constructed on the property in 1959 and was approximately 210 feet by 120 feet in plan. The warehouse was constructed on a floor slab approximately four feet above grade and included a loading dock along the north and west sides.

Demolition of the warehouse building occurred between November 9, 1998 and December 18, 1998 and floor slab removal occurred between February 15, 1999 and August 5, 1999. The interim remedial measure ("IRM") activities included removal of the building's concrete floor slab and loading dock floor slab, removal of the underlying fill materials including most of the CCPW-impacted fill, installation of a high-density polyethylene ("HDPE") liner, backfilling, and grading (IT Corporation, 2000).

As part of the IRM activities, soil sampling was performed in September 1998 to collect preliminary information for planning the removal of the platform beneath the building. The purpose of this investigation was to collect soil samples required for the remedial investigation prior to excavation and liner installation (IT Corporation, 2000). Additional sampling was performed following demolition in January 1999. A total of 20 soil borings were advanced, 9 of which were installed during the week of September 21, 1998, and 11 of which were installed during the week of January 4, 1999. Sixteen of the soil borings were drilled through the floor of the slab and four of the borings were drilled adjacent to it at the northern, western, and southern sides of the floor slab. The locations of these borings are shown on Figure 3 of this RIWP and Drawing 4-1 from the IT Corporation 2000 IRAR included in Appendix E. The depth of these borings ranged from 5 to 15 feet below the ground or platform surface, and soil samples were collected at intervals of approximately 2 feet. One hundred and nine analytical samples were submitted for total and Cr⁺⁶ analyses. Boring logs and analytical results are included in Appendix E (IT Corporation, 2000).

CCPW was visually identified in all 16 of the borings advanced through the building foundation, and in none of the 4 borings surrounding the platform. CCPW was observed as nodules in samples of relatively soft reddish-brown silt or clay from immediately below the floor to a maximum depth of 7.5 ft below ground surface ("bgs"). The level of concern for Cr⁺⁶ at Sites 63 and 65 was tentatively set at 100 mg/kg pending the development of an alternative NJDEP Cr⁺⁶ remediation standard. Fifteen of the 16 soil borings advanced through the platform had Cr⁺⁶ concentrations exceeding 100 mg/kg. Material exceeding 100 mg/kg Cr⁺⁶ ranged in depth from

immediately below the slab to approximately 10 ft bgs. Drawing 4-1 from the IT Corporation's 2000 Draft IRAR, which is included in Appendix E, provides a summary of the maximum concentrations of Cr⁺⁶ for material remaining following the 1999 IRM excavation. In general, the highest concentrations of Cr⁺⁶ were detected in the middle of the building, toward the northern side of the building. No Cr⁺⁶ exceeding 100 mg/kg was detected in the borings advanced to the north, south, and west of the platform (IT Corporation, 2000). Post-excavation sampling conducted after the platform excavation was limited because this IRM was not intended to completely remove chromium contamination (IT Corporation, 2000). Samples collected from the base and sidewalls of the excavation were analyzed for total Cr, Cr⁺⁶, Ni, and V, and all but 2 of the 19 samples collected were located within the former loading dock area which bordered the north and west sides of the building. Chromium concentrations were highest beneath the former building (IT Corporation, 2000).

References:

ICF Kaiser Engineers, Inc., 1991. *"Draft Remedial Investigation Work Plan Group 12 – Site 63 – Baldwin Oil and Site 65 – Burma Road."* November 19, 1991.

IT Corporation, 2000. *"Draft Interim Remedial Action Report – Site 63 – Baldwin Oil Site – Site 65 – Burma Road Site."* January 11, 2000.

AECOM, 2010. *"Draft Remedial Investigation Work Plan, Non – Residential Chromate Chemical Production Waste Sites – Sites 63 and 65, Jersey City, New Jersey"* December 2010.

Attachment D-1

Results of Well Search

Well Search for

CASE NAME:

Hudson County Chromate 65

PROGRAM INTEREST (PI) ID # :

G000008693

SPREADSHEET SUBMISSION DATE:

WELL_PERMIT_NUM WELL_TYPE LOCATION_ADDRESS COUNTY Hudson MUNICIPALITY Jersey City COMU 0806 BLOCK LOT X Y COORD_METHOD FINISHED_DEPTH OPEN_INTER STATIC_LEVEL STATUS

No wells found within a 1/2 mile radius around the site.