



New Jersey Department of Environmental Protection
 Site Remediation Program

REMEDIAL ACTION WORKPLAN FORM

Non-LSRP (Existing Cases) LSRP Subsurface Evaluator

Date Stamp
 (For Department use only)

SECTION A. SITE NAME AND LOCATION

Site Name: Berry Lane Park (including the former Morris Canal, Chromate Site 207 and Chromate Site 121)

List all AKAs: _____

Street Address: See Attachment A

Municipality: Jersey City (Township, Borough or City)

County: Hudson Zip Code: 07304

Program Interest (PI) Number(s): Berry Lane Park - G000003012 Case Tracking Number(s): not applicable
Chromate Site 207 - G000044579; Chromate Site 121 - G000008738

Date Remediation Initiated Pursuant to N.J.A.C. 7:26C-2.2 or 2.3(b): 11/15/2010

State Plane Coordinates for a central location at the site: Easting: 611722 Northing: 684549

Municipal Block(s) and Lot(s):

Block #	<u>see Attachment A</u>	Lot #	_____	Block #	_____	Lot #	_____
Block #	_____	Lot #	_____	Block #	_____	Lot #	_____
Block #	_____	Lot #	_____	Block #	_____	Lot #	_____
Block #	_____	Lot #	_____	Block #	_____	Lot #	_____

SECTION B. REQUIRED SUBMITTALS

	Not Applicable	Included in This Submission	Previously Submitted	Date of Submission	Date of Revised Submission
Annual Remediation Fee Reporting Form	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Immediate Environmental Concern Report	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
IEC Engineered System Response Action Report	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Vapor Concern Mitigation Report	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
LNAPL Interim Remedial Measure Report	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Preliminary Assessment Report	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Receptor Evaluation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	08/25/2011	
Site Investigation Report	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	02/28/2011	
Remedial Investigation/Remedial Action Work Plan	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Remedial Action Report	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Response Action Outcome Report	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Alternative Soil Remediation Standard Application	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Case Inventory Document	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Permit Application – list:	<input checked="" 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"/>		
	<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"/>		

SECTION C. SITE USE

Current Site Use (check all that apply)

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

Intended Future Site Use, if known (check all that apply)

- Industrial
- Residential
- Commercial
- School or child care
- Park or recreational use
- Vacant
- Government
- Future site use unknown

SECTION D. PUBLIC FUNDS

- Did the remediation utilize public funds? Yes No
- If "Yes," check applicable: UST Grant UST Loan Brownfield Reimbursement Program
- HDSRF Grant HDSRF Loan Landfill Reimbursement Program
- Spill Fund Schools Development Authority

SECTION E. GENERAL

1. Does the RAW address:
 - Area(s) of Concern (AOCs) Only (If submitted for specific AOC(s), attach Section H2 of the PA/SI form)
 - Entire Site (Based on a completed and submitted Preliminary Assessment/Site Investigation)

Total number of contaminated AOCs 3

Does the report contain a permit(s) request that requires Site Remediation Program approval prior to implementation of the remedial action(s)? Yes No

If "Yes," please list the type and the page(s) of the report that contain the permit request(s).

2. As of May 7, 2010, is the remediation initiated for new construction or a change in the use of the site proposed for the purposes of residential use, use as a licensed child care center or use as a school? Yes No

If "Yes," is an unrestricted use or a presumptive remedy being proposed? Yes No

3. Is the proposed remedial action an alternative remedy pursuant to N.J.A.C. 7:26E-5.1? Yes No

If "Yes," specify the section/page(s) of the RAW where the alternative remedy is proposed:

4. Is any radiological contamination currently present at the AOC/Site? Yes No
5. Did any of the site contain Ordnance and Explosives/unexploded ordnance (OE/UXO)? Yes No
6. Does the proposed remedial action involve containment of free product? Yes No
7. Does any media at the site contain dioxin contamination? Yes No
8. At any time, have any of the following compounds/elements ever been detected in sediment above the ecological screening levels? Arsenic Dioxin Mercury PCBs None
9. Have past deficiencies been addressed in this submittal? *Not applicable* Yes No
10. Will the proposed remedial action render the property unusable for future redevelopment or for recreational use (N.J.A.C. 7:26C-6.4(b) and guidance that can be found at http://www.nj.gov/dep/srp/guidance/srra/unusable_properties_draft.pdf)? Yes No
11. Are contaminants from the site discharging to surface water Yes No

If "Yes," identify the contaminant(s) and concentration(s) in the monitoring well(s) nearest to the surface water body:

Well	Contaminant	Concentration	Well	Contaminant	Concentration

SECTION F. SITE CONDITIONS

Check each media-type and provide the highest concentration of contamination currently present above any applicable standards/criteria: **Soil in ppm** **GW = Ground Water in ppb** **Sed = Sediment in ppm**

	Soil ppm	GW ppb	Sed ppm		Soil ppm	GW ppb	Sed ppm		Soil ppm	GW ppb	Sed ppm	
*VOCs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<100	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	100-1,000	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	>1,000
*SVOCs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<100	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	100-1,000	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	>1,000
*PAHs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10-100	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	>100
*Metals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<100	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	100-1,000	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	>1,000
PCBs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10-100	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	>100
*Pesticides	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1-10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	>10
Chromium	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<100	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	100-1,000	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	>1,000
Mercury	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<100	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	100-1,000	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	>1,000
Arsenic	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<10	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	10-100	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	>100
EPH	<input type="checkbox"/>		<input type="checkbox"/>	<1,700	<input type="checkbox"/>		<input type="checkbox"/>	1,700-5,100	<input type="checkbox"/>		<input type="checkbox"/>	>5,100

1. For any contaminant group (*) checked above, identify the compound/element with the highest concentration over its applicable remediation standard:

GW-Tetrachloroethene _____ S-Aluminum/GW-Sodium GW-Dieldrin

2. Were the laboratory reporting minimum detection limits below applicable remediation standards/criteria required for the site? Yes No

3. Are any of the following conditions currently present (check all that apply):

Ground water:

- Contaminated ground water in the overburden aquifer
- Contaminated ground water in a confined aquifer
- Contaminated ground water in the bedrock aquifer
- Contaminated ground water in multiple aquifer units
- Multiple distinct ground water plumes
- Contaminated ground water migrating off-site
- Background ground water contamination
- Contaminated ground water discharging to surface water
- Residual or free product
- Radionuclides

Soil:

- On-site discharge(s) impacting soil off-site
- Chromate Production Waste
- Munitions and explosives of concern
- Contaminated soil in the saturated zone
- Historic pesticide impacts to soil
- Residual or free product
- Radionuclides
- Historic Fill
- Soil contamination due to naturally occurring background conditions

4. Check each of the following that applies to the primary objective of the remedial action:

- Treatment of: Ground Water Soil Sediments LNAPL DNAPL Soil Gas
- Removal of: Ground Water Soil Sediments LNAPL DNAPL Soil Gas
- Containment/Control of: .. Ground Water Soil Sediments LNAPL DNAPL Soil Gas

With migration pathway(s) to:

- Indoor Air Ground Water
- Surface Water Sediments
- Other

With exposure to:

- Human receptors Eco receptor(s)
- Offsite impacts

5. Is the remedial action an Interim Remedial Measure that was being implemented at the site?..... Yes No

SECTION G. ALTERNATIVE STANDARD / DEVIATIONS Not applicable

Alternative remediation standard

If proposing an alternative remediation standard pursuant to N.J.A.C. 7:26D-7.4, check here and attach the Alternative Soil Remediation Standard Application Form as an addendum.

A site-specific screening level was developed for the evaluation of the Vapor Intrusion (VI) pathway Yes No

Deviation from regulations

If the Licensed Site Remediation Professional has varied from the Technical Rules, provide the citation(s) from which the remediation varied and the page(s) in the attached document where the rationale for the deviation is provided.

- N.J.A.C. 7:26E- _____ Page _____
- N.J.A.C. 7:26E- _____ Page _____
- N.J.A.C. 7:26E- _____ Page _____

SECTION H. APPLICABLE REMEDIATION STANDARDS

Indicate the Remediation Standards used for all compounds (check all that apply).

- Default (check all that apply below)
 - Direct Contact Impact to Groundwater Soil Screening Levels Ecological Screening Levels
 - Alternate Remediation Standards for the Ingestion/Dermal Pathway
 - Alternate Remediation Standards for the Inhalation Pathway
 - Site Specific Standards for the Impact to Groundwater Pathway (check all that apply below)
 - Soil-Water Partitioning Equation SPLP Sesoil Sesoil/AT123D
 - Ecological Remediation Goals

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

SECTION I. SOIL/SEDIMENT REUSE

1. Will material **other than certified clean soil** be imported from an off-site source? Yes No
2. Will the remedial action involve on-site reuse of the contaminated media (soil or other materials)? Yes No
3. Will the remedial action involve exporting contaminated media off-site for reuse or recycling? Yes No
4. Will the remedial action involve soil blending for applied pesticides for agricultural purposes prior to any reuse? Yes No

SECTION J. REMEDIAL ACTION WORKPLAN INFORMATION

General

1. Are NJDEP-approved permits, other than any permits needing SRP approval, required prior to the implementation of the remedial action?..... Yes No

If "Yes," please list the type. Treatment Works Approval

Soils

2. Check each type of remediation being proposed:
 - No remedial action required Excavation
 - Capping/other Engineering Control Bioremediation
 - Institutional Control Soil Vapor Extraction
 - Chemical Oxidation Chemical Reduction
 - Thermal desorption Soil Washing
 - Other (specify): _____
3. Does the proposed remedial action address all saturated zone source material, if applicable?..... Yes No
4. If an engineering control is proposed, indicate the receptor(s) each engineering control is intended to protect (check all that apply):
 - Human Ecological Offsite Impacts No Engineering Control

5. If a restricted use is being proposed, has consent from all involved property owners been obtained?..... Yes No
6. Is the proposed remedial action a presumptive remedy? Yes No

Ground Water

7. Check each type of remediation being proposed: Not applicable
- | | |
|---|--|
| <input type="checkbox"/> No remedial action required | <input type="checkbox"/> Containment |
| <input type="checkbox"/> Multiple Phase Extraction System | <input type="checkbox"/> Hydraulic Control |
| <input type="checkbox"/> SVE/Air Sparging | <input type="checkbox"/> Monitored Natural Attenuation |
| <input type="checkbox"/> Ozone Sparging | <input type="checkbox"/> Chemical Oxidation |
| <input type="checkbox"/> Pump & Treat | <input type="checkbox"/> Other (specify): _____ |

Ecological Not applicable

8. Check each type of remediation being proposed:
- | | |
|--|---|
| <input type="checkbox"/> No remedial action required | <input type="checkbox"/> Capping |
| <input type="checkbox"/> Excavation/Dredging | <input type="checkbox"/> Other (specify): _____ |

Indoor Air Not applicable

9. Are soil gas concentrations currently >10x SGSLs? Yes No
10. Check each type of remediation being proposed:
- | | |
|---|--|
| <input type="checkbox"/> No remedial action required | <input type="checkbox"/> Subsurface Depressurization System |
| <input type="checkbox"/> Sealed Vapor Barrier | <input type="checkbox"/> Sealing of Openings and Cracks |
| <input type="checkbox"/> Soil Vapor Extraction System | <input type="checkbox"/> Monitoring and Maintenance Schedule |
| <input type="checkbox"/> Other (specify): _____ | |

SECTION K. MISCELLANEOUS

1. Will any injured natural resources be restored concurrent with the remedial action? Yes No
 If "Yes," is the Office of Natural Resources Restoration involved? Yes No
2. Is the proposed remedial action a presumptive remedy? Yes No

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

Full Legal Name of the Person Responsible for Conducting the Remediation: Jersey City Redevelopment Agency

Representative First Name: Robert Representative Last Name: Antonicello

Title: Executive Director

Phone Number: (201) 547-5810 Ext: _____ Fax: _____

Mailing Address: 30 Montgomery Street, Suite 900

City/Town: Jersey City State: New Jersey ZIP Code: 07302

Email Address: antonicellorob@jcnj.org

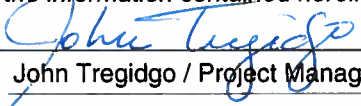
This certification shall be signed by the person responsible for conducting the remediation who is submitting this notification in accordance with Administrative Requirements for the Remediation of Contaminated Sites rule at N.J.A.C. 7:26C-1.5(a).

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: 1/19/12

Name/Title: Robert Antonicello/Executive Director **No Changes Since Last Submittal**

SECTION M. NON-LSRP SITE REMEDIATION PROFESSIONAL STATEMENT

First Name: <u>John</u>	Last Name: <u>Tregidgo</u>	
Phone Number: <u>(201) 217-9200</u>	Ext: <u>240</u>	Fax: <u>(201) 217-9607</u>
Mailing Address: <u>371 Warren Street</u>		
City/Town: <u>Jersey City</u>	State: <u>New Jersey</u>	Zip Code: <u>07303</u>
Email Address: <u>jtregidgo@dresdnerrobin.com</u>		
<i>I believe that the information contained herein, and including all attached documents, is true, accurate and complete.</i>		
Signature: <u></u>	Date: <u>1/18/2012</u>	
Name/Title: <u>John Tregidgo / Project Manager</u>	No Changes Since Last Submittal <input checked="" type="checkbox"/>	
Company Name: <u>Dresdner Robin</u>		

Completed forms should be sent to:

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

ATTACHMENT A

<u>Address</u>	<u>Block</u>	<u>Lot</u>	<u>Property ID/Name</u>
65 Woodward Ave.	2040	D3	Property # 1 (65 Woodward Ave.)
948 Garfield Ave.	1948	40	Property # 2 (948 Garfield Ave.)
970, 972, 974, 976, 978, 980 and 984 Garfield Ave.	1948	25B, 26, 28, 29, 31 and 32	Property # 3 (City of Jersey City)
958, 960, 964 and 966 Garfield Ave.	1948	34, 35 and 36A	Property # 4 (Garfield Junk Yard) also known as Chromium Site 121
942, 944 and 946 Garfield Ave.	1948	4B, 25C, 41A and 42A	Property # 5 (Hit or Miss) with a portion also known as Chromium Site 207
968 Garfield Ave.	1948	33	Property # 6 (MAOK)
990 Garfield Ave.	1948	24A	Property # 7 (Purple Fish)
1000 Garfield Ave.	1948	21 D	Property # 8 (1000 Garfield Ave.)
75 Woodward Ave.	2040	D2	Property # 9 (75 Woodward Ave.)
1 Berry Road	2040 and 2057	EDUP, E1/G1, J1, K, H, APL and 16	Property # 10 (Finch Oil)
125 Woodward Street	2040	C16 and C18	Property # 12 (Woodward Metals)