Marsh valve

Dunkirk , NY - EPA Region II
POLREP #1
All POLREPs for this site

On-Scene Coordinator - Dilshad J. Perera **4/13/**
Superfund Emergency Response Action **Report Number 1**

Current Activities

?The Marsh Valve Site is located at 307-325 Brigham Road, Dun Chautauqua County, New York 14048-1947. It is an inactive brass valve manufacturing facility. In 1941 a foundry established at this facility. The site consist of a solitary building on a 2.5 acre parcel of land. The building itself i state of disrepair; portion of the roof and walls have collapsed.

NYSDEC requested, that EPA conduct a removal action at the si based on its analytical data taken of the foundry slag and casting sands that showed elevated levels of lead.

Some of the slag/casting sands have been bulked by the property owner, through an order with NYSDE into approximately 250 steel 55-gallon drums. At the northern portion of the building, there is considerable amount of lose slag and casting sands on the floor.

The site is located at the edge of downtown Dunkirk and is boarded on two side by residential homes.

Planned Removal Actions

?On March 23, 2001 an Action Memorandum was approved authorizing the removal of hazardous substances from the site and a project ceiling of $555,000.

On April 11, 2001, OSC, ERRS personnel and members of the USCG-AST met on site to discuss goals objectives of the removal action. Upon securing of some basic goods and services, a full mobilization wi ensue.

Next Steps

?Secure the building to mitigate the release of the slag into the environment

Debris clearing

Establish command post

All POLREPs for this site

Marsh valve

Dunkirk , NY - EPA Region II
POLREP #2
All POLREPs for this site

On-Scene Coordinator - Dilshad J. Perera **5/4/**
Superfund Emergency Response Action **Report Number 2**

Site Description

See PollRep 1

Current Activities

On April 26th, 2001, EPA, USCG-AST and small ERRS crew arri on site to commence with the removal action. Initial activities included bring on site a office trailer to serve as the command po obtaining utilities and services. In addition to obtaining support services, crew established a decontamination line.

On April 30th, a meeting was held with the local officials at EPA's request. The primary purpose was to discuss with the local response community, EPA's activities, potential risk to the workers, methods of decontamination and potential risk to the local responders should and emergency occur inside the buildi In addition to representatives of the local response community i.e. fire, police and hospital, the meeting was also attended by the City of Dunkirk Mayor, and a representative from NYSDEC.

Due to the dilapidated condition of the building, a structural engineer was brought on April 30th, the site to evaluate the structural integrity of the building primarily from worker safety standpoint and to a lesser degree the overall condition of the building. The engineer's report was received on May 2nd. The engin report recommended that the front portion of the building, the location of the most significant roof collapse, be complete demolished prior to removing the collapsed roof to determine if any hazardous materials are present. The report also ecommended and provided instructions on reinforcing the hangin concrete cap and metal window wall above the gaping hole with house jacks, it also detailed a method f covering the hole with poly sheeting. The crew also shored up the buckling wall against the retaining wa along
Brigham Road.

A combined Health and Safety Audit consisting of industrial hygienist from the US EPA and WRS was requested. The audit was conducted on May 2nd. All recommendations were incorporated into the site specific Health and Safety Plan (HASP) and finalized on this date.

Boxes Asbestos Containing Material (ACM) were discovered on metal shelves. The ACM in question ar valve packing gaskets.

The building is littered with debris. In a move to minimize material handling, a series of wipe samples of the debris were collected and will be analyzed for lead. The results are due on May 8th.

Site security was initiated in such a manner that there will be 24 hour presence on the site.

Next Steps

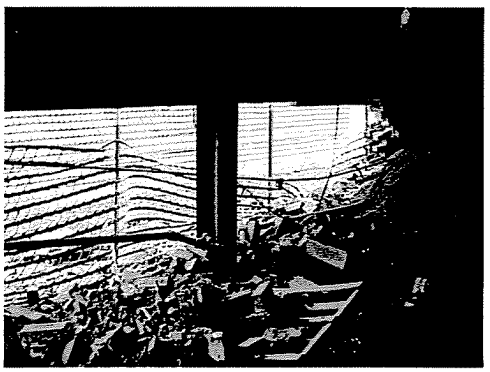
1) Mobilize additional ERRS crew members to begin the cleanup process inside the building.

2) Containerize the ACM

3) Conduct personal air sampling of work crew for lead.

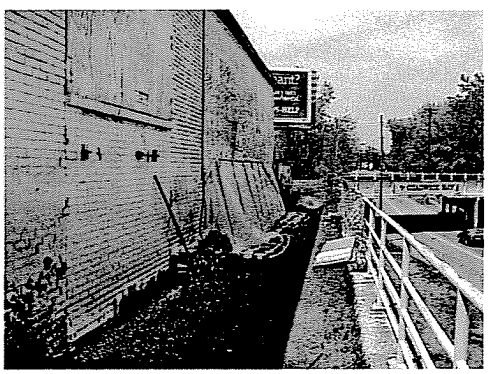
Polrep 2 - Photos

Decontamination Line

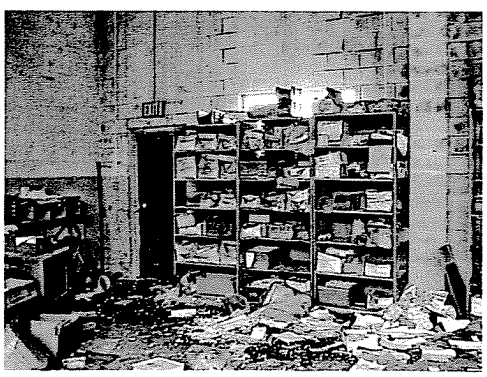


Hanging concrete cap and metal window wall

Poly sheeting



Shored up



Discovered

Marsh valve

Dunkirk , NY - EPA Region II

POLREP #3

All POLREPs for this site

On-Scene Coordinator - Dilshad J. Perera **5/11/**

Superfund Emergency Response Action **Report Number 3**

Site Description

See PollRep 1

Current Activities

During the week of May 7th, debris clearing and sweeping of slag/casting sands were initiated. 3 Additional crew members w mobilized to the site on May 8th. The valve packing gaskets previously identified as Asbestos Containing Material (ACM)was packaged and staged for later disposal . Approximately half the f area has been cleared of the slag/sands and debris, however, th areas had less of the material as compared to the remaining floo area. A 210 gallon poly-tank with water was taken into the hot zone to wet the fine sands/slag, thereby minimizing the generation of dust in the breathing zone.

On May 8th, laboratory data for wipe samples collected from debris on May 3rd were received. All samp indicated the presence of lead, however, the greatest concentration detected was 21mg/wipe.

During week, personnel air sampling and workzone air sampling was conducted as part of mandatory h and safety protocol. Because of the differing activities that would have taken place in the various rooms, was decided to conduct personnel and zone air sampling in each area. The data for sampling conducte May 8th and 9th was received on May 11th. The Occupational Health and Safety Administration (OSHA Permissible Exposure Limit (PEL) is 0.050mg/m^3. The zone air sampling result was below the method detection limit of 0.0019mg/m^3 as was the equipment operators samples. The samples taken of the tea hand sweeping was 0.0026mg/m^3 and 0.0038mg/m^3; all samples are well below the PEL for lead.

On May 9th, the Chautauqua County Coordinator for State Senator Patricia K. McGee as well as the Coordinator for the Dunkirk/Sheridan Empire Development Zone toured the site.

Next Steps

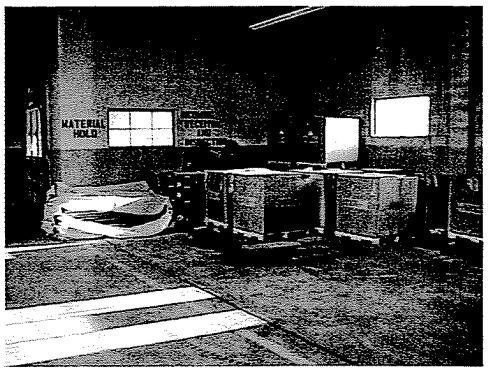
Continue with the sweeping and packaging of the slag/casting sands and debris segregation.

Restage Drums.

Sample containers for disposal parameters.

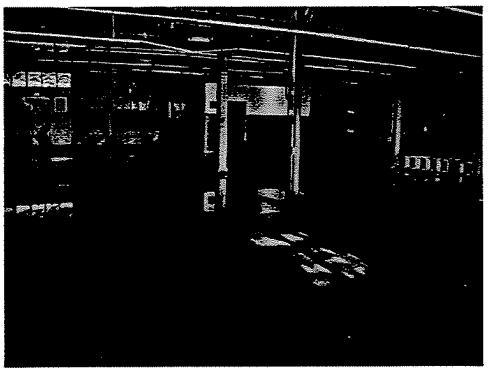
All POLREPs for this site

Polrep - 3 Photos



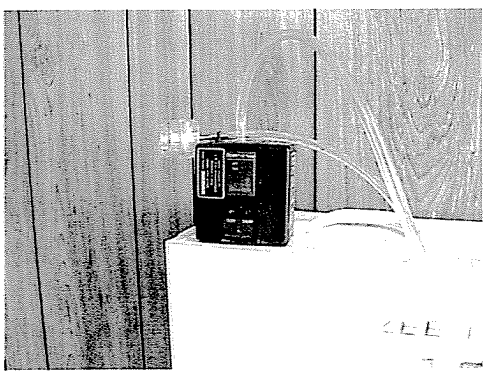
packaged and staged for later disposal

Half the floor area



210- gallon tank

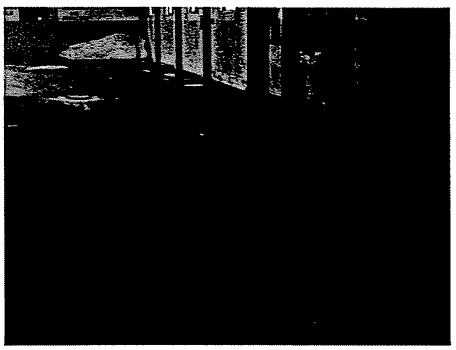
air sampling



Marsh valve

Dunkirk , NY - EPA Region II
POLREP #4
All POLREPs for this site

On-Scene Coordinator - Dilshad J. Perera **5/18/**
Superfund Emergency Response Action **Report Number 4**



Site Description

See PolRep 1

Current Activities

During the week of May 14th, clearing of debris and recovery of casting sand/slag continued. At this point in time approximately of the floor area has been cleared of the gross contamination. T remaining 5% is primarily the paste like residue that resulted fro intentional wetting with water of the cast sand/slag as a dust suppression measure. There will be several more sweeping eve as this paste like material dries.

A composite of the building material that was recommended for demolition by the Delta Engineer's Repo May 02, 2001 was collected and submitted for analyses. The analytical data will aid in the proper classification and disposal of the construction debris (C&D).

Analytical results of the personnel air sampling were received. One sample detected a lead level of 0.06mg/m^3, which exceeded OSHA 's PEL for lead of 0.05mg/m^3. The crew in the hotzone were in Lev at the time and hence adequately protected as per OSHA requirements

Next Steps

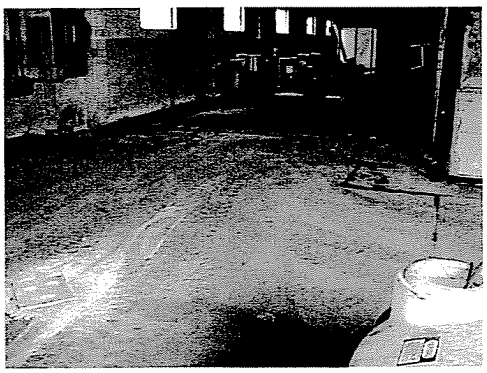
- A 30 foot equilateral triangular sampling grid system will be surveyed in.

  - Assign sampling location and core within the building

  - Containers to be segregated based on waste streams

All POLREPs for this site

Polrep 4 - Photos



Floor area

Marsh valve

Dunkirk , NY - EPA Region II
POLREP #5
All POLREPs for this site

On-Scene Coordinator - Dilshad J. Perera **5/25/**
Superfund Emergency Response Action **Report Number 5**

Site Description

See PollRep 1

Current Activities

During the week of May 21st, crew segregated the drums (gener in cleanup prior to US EPA's involvement) according to their wast streams. The waste streams were selected based on physical characteristics such as casting sands, forms and slag. Composit samples of the various waste streams were collected.

Based on site conditions, a 30 foot equilateral sampling grid syst was selected. Each of the nodes was surveyed in by the crew on site. The grids encompass the entire except for the building. Sampling locations inside the building were selected from a historical perspectiv such pouring foundation over casting sand/slag disposal areas when the building was expanded

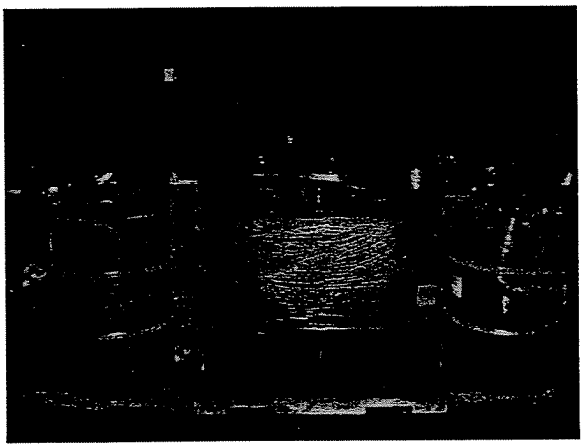
Planned Removal Actions

Collecting surface and subsurface soil samples at each of the grid nodes.

Preparing the delapidated portion of the building recommended for demolition by the structural engineer

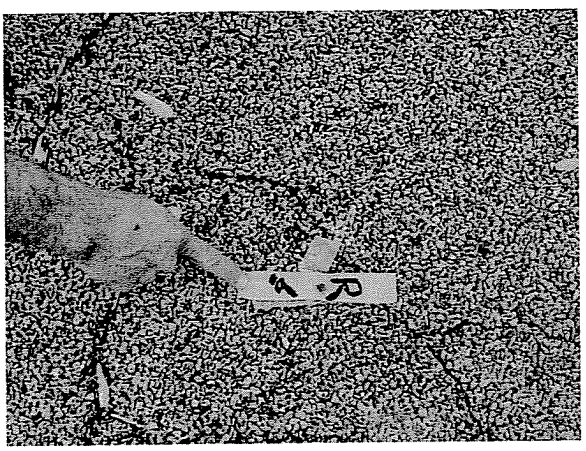
All POLREPs for this site

Polrep 5 - Photos



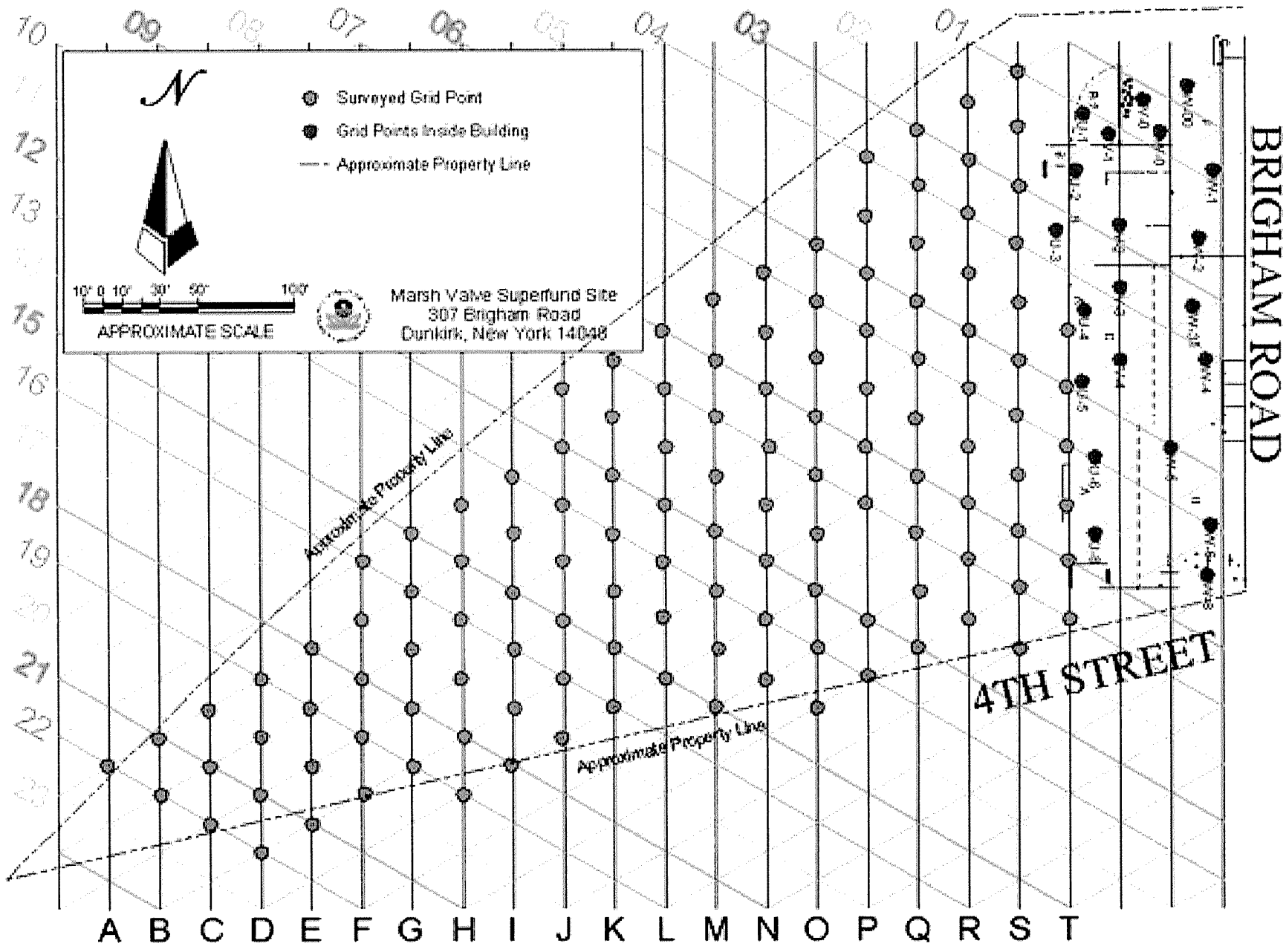
Segregating drums

Nodes



...surveyed by crew on site.

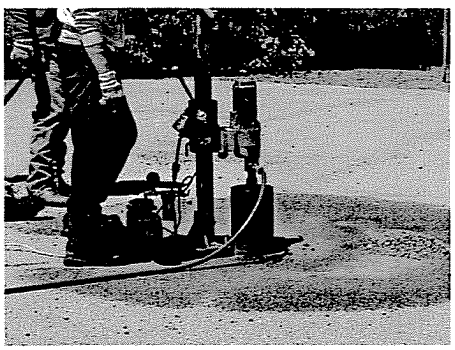
Polrep % - Grid


Surveyed Grid Point
Grid Points Inside Building
Approximate Property Line
APPROXIMATE SCALE
Marsh Valve Superfund Site
307 Brigham Road
Dunkirk, New York 14048
BRIGHAM ROAD
4TH STREET
Approximate Property Line
Approximate Property Line
A B C D E F G H I J K L M N O P Q R S T

Marsh valve

Dunkirk , NY - EPA Region II
POLREP #6
All POLREPs for this site

On-Scene Coordinator - Dilshad J. Perera **6/1/**
Superfund Emergency Response Action **Report Number 6**



Site Description

See PollRep 1

Current Activities

During the week of May 28th, coring at the sampling nodes in the paved area commenced. Soil sampling at each of the nodes was initiated this week. One of the samples will not be collected since node lies beneath the trailer. At each node a surface (0-3"), a su surface (6") and clay lens samples were collected

Crew also began cutting pipes/lines and the metal sheathing on t ceiling between the southern portion of the building to be demolished and the portion to remain standing. Prior to the cutting of the pipes/lines, it was verified that no residual material remained.

This was a short week due to demobilizing the site for the Memorial Day Holiday weekend.

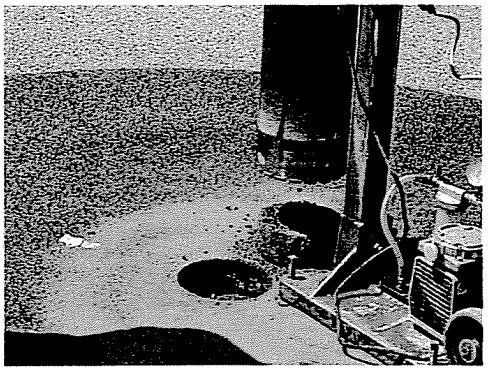
Planned Removal Actions

Continue Soil sampling

Demolition of the Southern Portion of the building as recommended by the Structural Engineer's Report

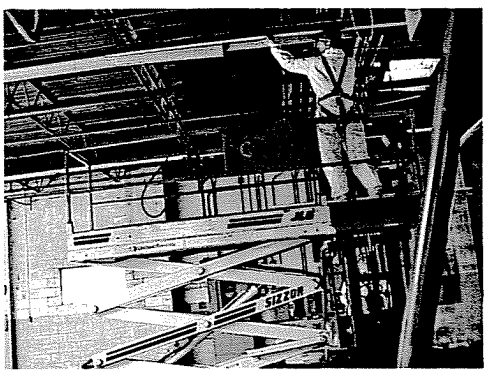
All POLREPs for this site

Polrep6 - Photos



Coring

Soil Sampling



Cutting

Marsh valve

Dunkirk , NY - EPA Region II
POLREP #7
All POLREPs for this site

On-Scene Coordinator - Dilshad J. Perera **6/8/**
Superfund Emergency Response Action **Report Number 7**

Site Description

See PollRep 1

Current Activities

During the week of June 4th, soil sampling at the grid nodes was completed. The soil samples representing the 0-3" were shipped the laboratory for analyses. The remainder will be sent based on analytical results of the 0-3" samples. For those samples collect the paved areas of the site, the surface sample is considered to beneath the fill material used in the construction of the parking lo

Analytical results for the disposal samples were received. Based on the results, 142 of the original 193 drums will be shipped off-site as hazardous waste, D008, as prescribed by the Resource Conservation a Recovery Act (RCRA). Of the 43 cubic yard boxes generated by the US EPA during sweeping activity, 2 cubic yard boxes will also be shipped off-site as a D008 RCRA hazardous waste.

The remaining boxes and steel drums will be shipped off-site as non-RCRA hazardous substances, the t lead levels ranged from 1,000 to 8,000 mg/kg. In addition to the afore mentioned containers, 10 cubic y boxes and 11 steel drums contain molding sand that had been stored in a silo, attempts will be made to recycle this material

Initial plans had been to collect wipe samples throughout the building walls and rafters to determine level contamination present, however, there is between 1/32" to 1 1/2" of accumulated material. In one case be of brass was visible on the rafters. Decision was made to collect samples in glass containers and have t analyzed for both Total Metals as well as Characteristic of Toxicity Metals using Toxicity Characteristic Leaching Procedure (TCLP).

The demolition of the southern portion of the building took place on June 6th without incident. Segregati of the C&D into metal, wood/mixed and masonry piles ensued and was completed on June 8th

Planned Removal Actions

Securing of the passage ways exposed upon the demolition of the southern portion of the building.

Compacting the C&D piles and covering them with tarps.

Erecting a temporary chain-link fence between the existing fence and the area previously occupied by th southern portion of the building .

Demobe the crew on June 15th while awaiting disposal bids. Tentative remobing date is set for July 23rd

All POLREPs for this site

Polrep 7 - Photos

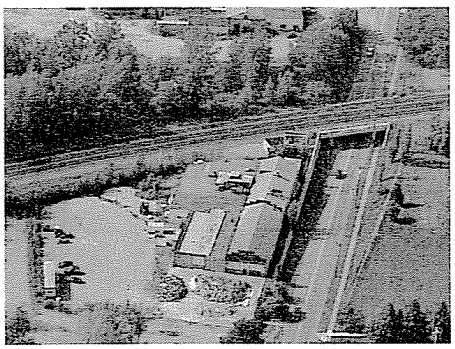
Demolition

Segregation

Marsh valve

Dunkirk , NY - EPA Region II
POLREP #8
All POLREPs for this site

On-Scene Coordinator - Dilshad J. Perera **11/13/**
Superfund Emergency Response Action **Report Number 8**



Site Description

During the week of June 11th crew boarded up the passageways exposed as a result of the demolition of the southern portion of t building.

The wood and block debris generated from the demolition were tarped to prevent wind-borne dispersion.

A temporary chain-link fence was erected in the vicinity of the southern portion of the building to re-secure the site.

On June 15th, the site was temporarily demobed while awaiting disposal contractor selection.

Between July 23rd and July 31st, ERRS and EPA remobilized to the site to coordinate the off-site dispos the RCRA hazardous waste (lead - D008) and RCRA non-haz which included CERCLA and C&D waste.

Approximate tonnage of the RCRA hazardous waste is 100 tons, the tonnage of RCRA non-haz is 230 t and 6 cubic yard plus 8 drums of ACM waste

Upon receipt of the analytical data, summary graphics was submitted to both the Agency for Toxic Substances and Disease Registry (ATSDR) and US EPA's Environmental Response Team ,(ERT). ATSDR through a cooperative agreement with New York State Department of Health (NYSDOH) assessed the levels of lead present at the site. NY DOH recommended the removal of the lead contaminated soil as well as the removal of lead contaminated dust from inside the building.

ERT in their Ecological Evaluation noted that the Hazard Quotients for copper and zinc were exceeded i three perched water table samples taken from within the property boundry and the soil samples exceede bench mark criteria in all but three samples for copper and 6 in the case of lead. NYSDEC had installed monitoring wells , data thus far does not indicate contamination.

On September 25, 2001, as a result of these findings, an Action Memorandum requesting a project ceili increase to $3 million was approved . The Action Memorandum approved the demolition and removal of building as well as excavation and removal of the lead contaminated soil.

See PollRep 1 for the site history

Current Activities

During the week of November 5th, ERRS, EPA and the USCG-AST mobilized to the site. Building preparation tasks were initiated, which included the dismantling of fluorescent lights and ballast , disman heat units, etc... In addition a walk through of potential asbestos assessment contractors were performe November 7th.

Based on the asbestos assessment bids, a contract will be awarded. The result of the assessment will used to bid the actual abatement of asbestos insulation suspected of being present inside the building.

Next Steps

Vacuuming of the lead contaminated dust on the rafters, sills etc... will be initiated next week

Clearring of Vegitaion will be initiated next week.

Disposition of Wastes

Waste Stream	Quantity	Manifest #	Disposal Facilit
Lead Contaminated Casting Sand/Slag (D008)	10.87 Tons	NYG0331497	CWM Chemical Services 1550 Balmer R Model City, NY 14
Lead Contaminated Casting Sand/Slag (D008)	13.77 Tons	NYG0327735	CWM Chemical Services 1550 Balmer R Model City, NY 14
Lead Contaminated Casting Sand/Slag (D008)	12.33 Tons	NYG0331479	CWM Chemical Services 1550 Balmer R Model City, NY 14
Lead Contaminated Casting Sand/Slag (D008)	9.97 Tons	NYG0331461	CWM Chemical Services 1550 Balmer R Model City, NY 14
Lead Contaminated Casting Sand/Slag (D008)	14.14 Tons	NYG0331488	CWM Chemical Services 1550 Balmer R Model City, NY 14
Lead Contaminated Casting Sand/Slag (D008)	14.34 Tons	NYG0327762	CWM Chemical Services 1550 Balmer R Model City, NY 14
Lead Contaminated Casting Sand/Slag (D008)	15.10 Tons	NYG0327699	CWM Chemical Services 1550 Balmer R Model City, NY 14
Lead Contaminated Casting Sand/Slag (D008)	12.28 Tons	NYG0327753	CWM Chemical Services 1550 Balmer R Model City, NY 14
Asbestos Containing Material (ACM)	6 CY Boxes	65999	CWM Chemical Services 1550 Balmer R Model City, NY 14
Asbestos Containing Material (ACM)	8 x 55-gallon Steel Drums	65999	CWM Chemical Services 1550 Balmer R Model City, NY 14
Non-Regulated Alkaline Solids	240 lbs	65999	CWM Chemical Services 1550 Balmer R Model City, NY 14

Non-Regulated Soda Ash	240 lbs	65999	CWM Chemical Services 1550 Balmer R Model City, NY 14
Wood Debris	8.63 Tons	66034	CID Landfill 10860 Olean R Chaffee, NY 140
Wood Debris	9.88 Tons	66036	CID Landfill 10860 Olean R Chaffee, NY 140
Wood Debris	8.87 Tons	66038	CID Landfill 10860 Olean R Chaffee, NY 140
Wood Debris	10.18 Tons	56479	CID Landfill 10860 Olean R Chaffee, NY 140
Wood Debris	8.13 Tons	56515	CID Landfill 10860 Olean R Chaffee, NY 140
Wood Debris	10.75 Tons	56576	CID Landfill 10860 Olean R Chaffee, NY 140
Wood Debris	9.96 Tons	56563	CID Landfill 10860 Olean R Chaffee, NY 140
Wood Debris	7.90 Tons	56421	CID Landfill 10860 Olean R Chaffee, NY 140
Wood Debris	10.33 Tons	56586	CID Landfill 10860 Olean R Chaffee, NY 140
Wood Debris	8.58 Tons	56437	CID Landfill 10860 Olean R Chaffee, NY 140
Wood Debris	8.87 Tons	56486	CID Landfill 10860 Olean R Chaffee, NY 140
Wood Debris	8.29 Tons	56424	CID Landfill 10860 Olean R Chaffee, NY 140
Block Debris	19.02 Tons	66143	CID Landfill 10860 Olean R Chaffee, NY 140
Block Debris	16.27 Tons	66145	CID Landfill 10860 Olean R Chaffee, NY 140
Block Debris	19.36 Tons	56646	CID Landfill 10860 Olean R Chaffee, NY 140

Block Debris	21.96 Tons	56651	CID Landfill 10860 Olean R Chaffee, NY 140
Block Debris	16.88 Tons 93.49	56801	CID Landfill 10860 Olean R Chaffee, NY 140
C&D	5.68 Tons	32673	CID Landfill 10860 Olean R Chaffee, NY 140
C&D	4.78 Tons	32662	CID Landfill 10860 Olean R Chaffee, NY 140
C&D	4.17 Tons	32663	CID Landfill 10860 Olean R Chaffee, NY 140
C&D	2.89 Tons	32668	CID Landfill 10860 Olean R Chaffee, NY 140
C&D	4.12 Tons	32664	CID Landfill 10860 Olean R Chaffee, NY 140
C&D	4.16 Tons	32671	CID Landfill 10860 Olean R Chaffee, NY 140

All POLREPs for this site

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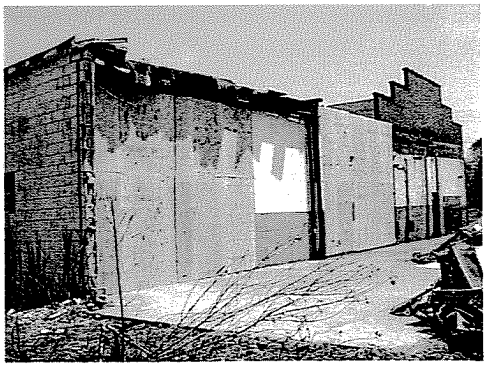
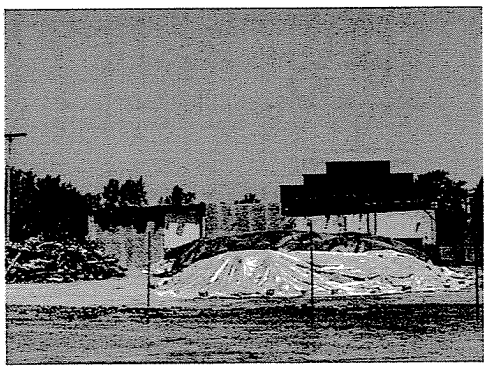
Polrep 8 - Photos

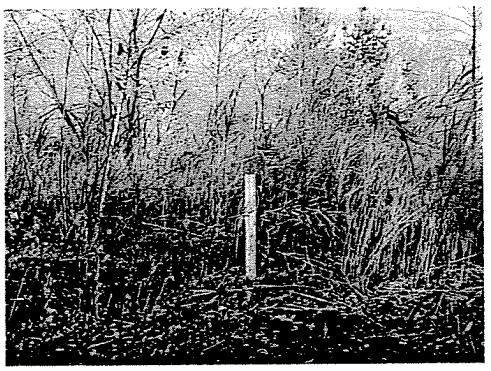


Boarded up passageways

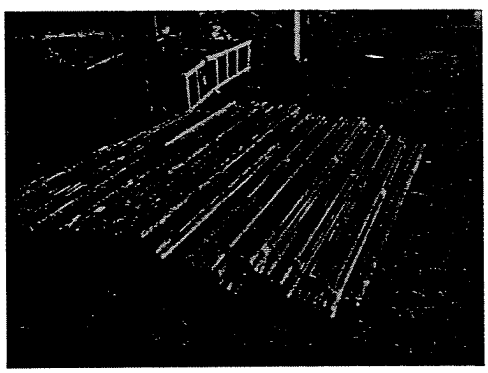


Wood and block debris

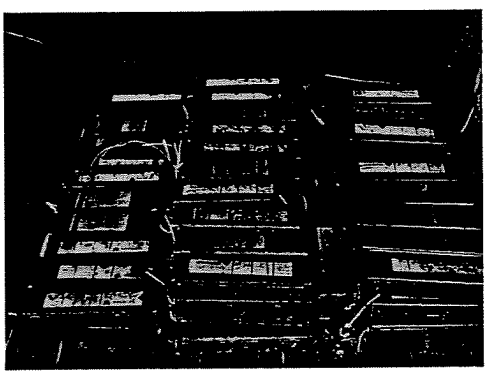
Temporary chain link fence



Monitoring wells



Fluorescent lights



Ballasts

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
ENVIRONMENTAL RESPONSE TEAM CENTER
Edison, New Jersey 08837

July 23, 2001

MEMORANDUM

SUBJECT: Ecological Evaluation of the Marsh Valve Site, Dunkirk, NY

FROM David W. Charters, Ph.D., Environmental Scientist

TO: Dilshad Perera, On-Scene Coordinator, ERRD/RPB
EPA Region 2
Edison, New Jersey

The Marsh Valve site is a former brass foundry and manufacturer located in Dunkirk, New York. Brass is composed of copper and zinc, therefore, these metals were determined to be contaminants of concern. In addition, the brass manufactured at Marsh Valve contained from 2 to 7 percent lead, therefore, lead was also determined to be a contaminant of concern. This site is located in an industrial area and Crooked Creek flows north past the site, eventually discharging into Lake Erie.

From May 30 to June 5, 2001, 102 surface soil samples were collected at the site. Suburface soil samples were also collected during this time but they were not used in this assessment. On May 24, 2001, three water samples were collected from the site. The water samples were collected by digging a shallow hole in the surface soil and allowing it to fill with water (representing a groundwater sample). The water sample was then collected from the hole and filtered through a 0.45 micron filter. Both soil and water samples were analyzed for copper, lead, and zinc.

The data from these analyses were evaluated using a hazard quotient method that compares exposure concentrations to benchmark values and is expressed as a ratio per the following formula:

$$HQ = EC \quad RV$$

where:

HQ	=	Hazard Quotient
EC		Exposure Concentration
TRV		Toxicity Reference Value

An elevated hazard quotient (greater than one) indicates that exposure to the contaminant should be evaluated further for potential risk (U.S. EPA 1997).

For the soil samples, the benchmark concentrations used in this assessment were those developed for the U.S. Department of Energy (Efroymson et al., 1997). These criteria have been used at other sites within U.S. EPA Region 2 in which removal actions were initiated (e.g., Woodbrook Road Dumpsite, South Plainfield, New Jersey).

For the water samples, the benchmark concentrations used in this assessment were the National Water Quality Criteria (U.S. EPA, 1999). The criteria were developed for both the Criteria Maximum Concentration (CMC) and the Criteria Continuous Concentration (CCC). The CMC is the highest concentration of a contaminant in surface water to which an aquatic community can be exposed briefly without resulting in an unacceptable (acute) effect. The Criterion Continuous Concentration (CCC) is the highest concentration of a contaminant in surface water to which an aquatic community can be exposed indefinitely without resulting in an unacceptable (chronic) effect. These criteria were established for the dissolved concentration of the metals in water using a default hardness level of 100 milligrams per liter (mg/L) calcium carbonate.

There is a large range in the concentration of the three metals detected in the soil samples (Table 1). Copper ranged from 24 mg/kg to 53,000 mg/kg with 76 out of the 102 samples containing greater than 1,000 mg/kg. Lead ranged from 17 mg/kg to 3,700 mg/kg with 28 out of the 102 samples containing greater than 1,000 mg/kg. Zinc ranged from 54 mg/kg to 25,000 mg/kg, with 72 out of the 102 samples containing greater than 1,000 mg/kg. When compared to the benchmark concentrations, copper exceeded the benchmark (e.g., HQ > 1) in 99 out of the 102 samples, lead exceeded the benchmark in 94 out of the 102 samples, and zinc exceeded the benchmark in all 102 samples.

For surface water, lead was not detected in any of the filtered water samples at a detection limit of 5 ug/L. Copper and zinc were detected in all 3 filtered water samples. For copper, the HQs ranged from 26-230 when compared to the CMC and from 38-333 when compared to the CCC. For zinc, the HQs ranged from 34-45 when compared to both the CMC and the CCC (Table 2).

Conclusions/Recommendations

(1) The dissolved concentration of copper and zinc exceed their respective acute toxicity thresholds (CMC). If the groundwater discharges to Crooked Creek, there could be significant biological impacts given the high levels of metals in the filtered water samples. An evaluation of the groundwater and surface water pathways would help address this issue.

(2) The concentration of metals in the soil samples exceed benchmark values as noted above. An evaluation of the habitat on and in the vicinity of the Marsh Valve site will assist in the determination of the exposure pathways and the impact of these contaminant levels to biota.

(3) It is suggested that an evaluation be made to determine if contaminants have migrated off the site, or are in limited disposal areas on the property (as well as under a parking lot or beneath the footprint of a building).

If you have any questions, please contact Mark Huston, U.S. Fish and Wildlife Service Technical Liaison at 732-321-6609, or Michael Clemetson, U.S. EPA Region 2 Hazardous Waste Support Branch at 732-321-6712.

Citations

Efroymson, R.A., G.W. Suter, B.E. Sample, and D.S. Jones. 1997. Preliminary Remedial Goals for Ecological Endpoints. Prepared by Lockheed Martin Energy Systems for the U.S. Department of Energy. August 1997. ES/ER/TM-162/R2.

U.S. EPA. 1999. National Recommended Water Quality Criteria - Corrected. U.S. Environmental Protection Agency, Office of Water, Washington, D.C. EPA 822-Z-99-01

U.S. EPA. 1997. Ecological Risk Assessment Guidance for Superfund: Process for Designing and Conducting Ecological Risk Assessments, Interim Final. EPA 540/R-97/006. OSWER 9285.7-25, PB97-963211.

cc: Mark Huston, U.S. Fish and Wildlife Service
Michael Clemetson, U.S. Environmental Protection Agency

Table 1. Comparison of Metal Concentrations in Soil
to Benchmark Criteria
Marsh Valve Site, Dunkirk, NY
July 2001

	Copper	Lead	Zinc
No. of Samples	102	102	102
Minimum Conc. (mg/kg)	24	17	54
Maximum Conc. (mg/kg)	53000	3700	25000
Range	52976	3683	24946
Benchmark Criteria (mg/kg)	60	41	9
No. of Exceedances	99	94	102

mg/kg - milligram per kilogram

Table 2. Comparison of Metal Concentrations in Water
to National Water Quality Criteria
Marsh Valve Site, Dunkirk, NY
July 2001

Sample	Analyte	Concentration (ug/L)	WQC		HQ	
			CMC (ug/L)	CCC (ug/L)	CMC	CCC
MVPW - 44	Cu	340	13	9	26	38
	Pb	ND	65	2.5	NA	NA
	Zn	4100	120	120	34	34
MVPW - 45	Cu	570	13	9	44	63
	Pb	ND	65	2.5	NA	NA
	Zn	5400	120	120	45	45
MVPW - 46	Cu	3000	13	9	231	333
	Pb	ND	65	2.5	NA	NA
	Zn	4200	120	120	35	35

NA - not applicable
ND - not detected at 5 ug/L
ug/L - micrograms per Liter (dissolved)
WQC - Water Quality Criteria
CMC - Criteria Maximum Concentration
CCC - Criteria Continuous Concentration
HQ - Hazard Quotient

Marsh valve

Dunkirk , NY - EPA Region II
POLREP #9
All POLREPs for this site

On-Scene Coordinator - Dilshad J. Perera **11/16/**
Superfund Emergency Response Action **Report Number 9**

Current Activities

During the week of November 12th the removal of fluorescent lig fixtures and ballasts was completed. Based on the advise of US EPA's RCRA program, the fluorescent lights will be shipped off-s for disposal as RCRA characteristic waste for lead (D008) and mercury (D009). Mercury switches were not encountered.

A vactruck was brought to the site to assist with the vacuuming o foundry sands/slag suspended on the rafters sills, etc... The vacuuming was completed on November 17.

The trees and shrubs within the confines of the property were cut down . The perimeter tree line was maintained for aesthetic reasons. A chipper was brought to the site reduce the trees to mulch , which will be used as part of the ground cover upon completion of US EPA's activity on site.

A asbestos assessment sub-contractor was selected. On November 16th the sub-contractor collected samples of all potential Asbestos Containing Material (ACM). The samples were hand delivered to the laboratory on the same day.

The survey crew arrived on site on November 20 th to conduct a survey of the property line to determine extent of excavation.

The crew demobed from the site on November 20th for the Thanksgiving Holiday and will resume activiti on site on November 27th.

Next Steps

Upon receipt of the analytical results of the potential ACM samples, Request for bids will be put out for t ACM abatement.

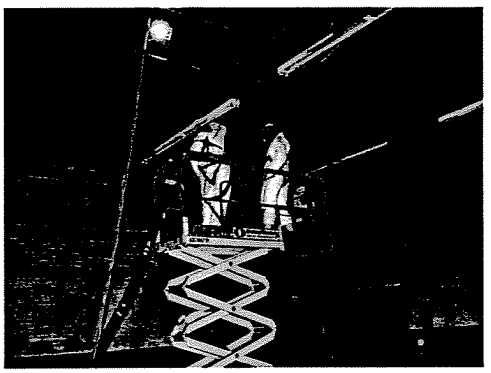
Excavation of the contaminated soil will be initiated while awaiting the ACM abatement.

All POLREPs for this site

Polrep 9 - Photos

Vactruck

Vacuuming of foundry sands



Cut down

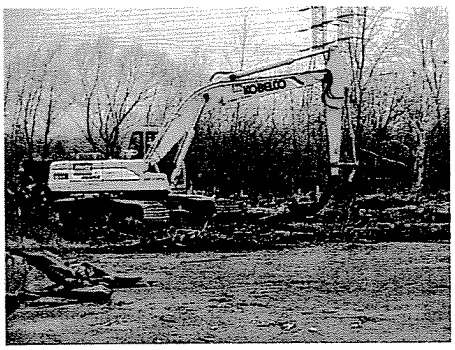
Chipper

Mulch

Marsh valve

Dunkirk , NY - EPA Region II
POLREP #10
All POLREPs for this site

On-Scene Coordinator - Dilshad J. Perera **12/1/**
Superfund Emergency Response Action **Report Number 10**



Site Description

See Pollution Reports 1 and 8

Current Activities

During the week of November 26th, the crew remobilized to the si after the Thanksgiving break.

On Novemeber 27th, on-site activity resumed.

On November 29th, the City of Dunkirk issued a formal letter of condemnation for the foundry building.

The clearing and grubbing of the vegetation on the western portion of the building was completed.

The surveyors returned to the site on November 28th to complete the markout of the property boundary.

An Invitation For Bid (IFB) for the asbestos abatement (boiler and pipe insulation only) was issued on November 28th.

Next Steps

Excavation of the western portion of the property will ensue next week.

A walk through with asbestos abatement bidders will be conducted on December 3rd. The final sub-contractor selection for the asbestos abatement will be made on December 7th.

All POLREPs for this site

Marsh valve

Dunkirk , NY - EPA Region II

POLREP #11

All POLREPs for this site

On-Scene Coordinator - Dilshad J. Perera **12/15/**

Superfund Emergency Response Action **Report Number 11**

Site Description

See PolRep 1 and 8

Current Activities

During the week of December 3rd crew initiated the excavation at western portion of the property that is not paved. Based on the i sampling event, a clay lens was determined to be present at an average depth of 1.5 feet below grade . Approximately a third of wooded area has been excavated down to the clay/silt lens. To d the clay lens has been observed to be intact - no visible breache have been observed. Back-filling of the excavated areas have b ongoing in conjunction with the excavation of the contaminated soil.

On December 3rd, prior to the issuance of an Invitation For Bid (IFB) potential asbestos abatement contractors were given an opportunity to tour the site. On December 7th a sub-contract was issued for t removal of pipe and boiler insulation determined to be Asbestos Containing Material (ACM).

An IFB has been issued for the disposal of the lead contaminated soil. A disposal contractor has been tentatively hired, but are awaiting the representation and certification from the disposal facility

Planned Removal Actions

Continued excavation and back-filling of the western portion of the property.

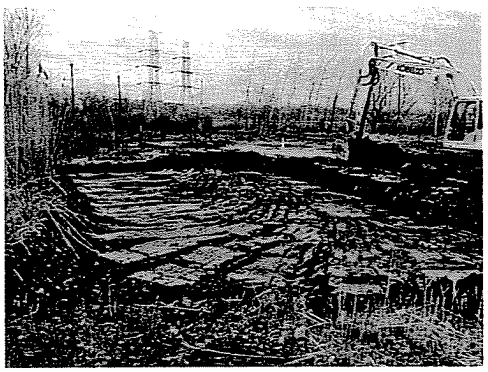
The asbestos abatement is tentatively scheduled for the week of December 10th

All POLREPs for this site

Polrep 11 - photos

Excavation

1.5. Feet Below Grade



Clay lens

Backfilling

Marsh valve

Dunkirk , NY - EPA Region II
POLREP #12
All POLREPs for this site

On-Scene Coordinator - Dilshad J. Perera **1/4/**
Superfund Emergency Response Action **Report Number 12**

Site Description

See PolRep 1 and 8

Current Activities

During the week of December 10th, work continued on the excav of the western portion of the property. As of January 4th, approximately 3,037 yards of contaminated soil have been excavated , in addition approximately 3,284 yards of clean bac have been brought to the site.

WRS has decided to subcontract the demolition and removal of the Construction and Demolition (C&D) waste. An Invitation For Bid (IFB) was issued on December 14th.

The Business Editor for the Dunkirk Observer visited the site on December 14th. An article appeared on front page of the Dunkirk Sunday Observer (12-16-01).

Potential contractors for the demolition of the building conducted a walk through on Tuesday December with the demolition to ensue on January 7th.

The selected asbestos abatement contractor mobed to the site on December 17th. All friable asbestos, namely the boiler and pipe insulation, was removed by December 19st. The roll-off containing the remov asbestos was shipped off-site on January 4th.

On January 3rd three loads of lead contaminated soil, totaling approximately 88 tons was shipped off-sit disposal. Initially a treatability study will be conducted on the loads to ensure that treatment standard can met. Upon successful conclusion of the test, approximately 48hrs, the remaining soil will be shipped in f scale.

Crew were demobed from the site between December 21st and January 2ndfor the Christmas and New holidays.

Planned Removal Actions

Demolition of the building.

Continued off-site disposal of the lead contaminated soil.

Disposition of Wastes

Waste Stream	Quantity	Manifest #	Disposal Facility
Friable Asbestos	20 Tons	016589	Lake View Landfill 851 Robinson Road East Erie, PA 16509
Lead Contaminated Soil (D008)	27.76 Tons	NYB9626139	CWM Chemical Services 1550 Balmer Road Model City, New York 1410
Lead Contaminated Soil (D008)	29.62	NYB9626112	CWM Chemical Services 1550 Balmer Road Model City, New York 1410
Lead Contaminated Soil (D008)	30.27	NYB9626121	CWM Chemical Services 1550 Balmer Road Model City, New York 1410

All POLREPs for this site

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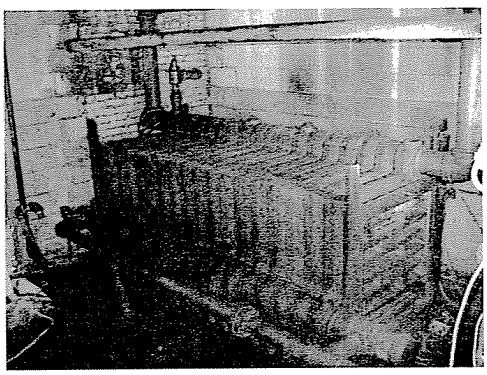
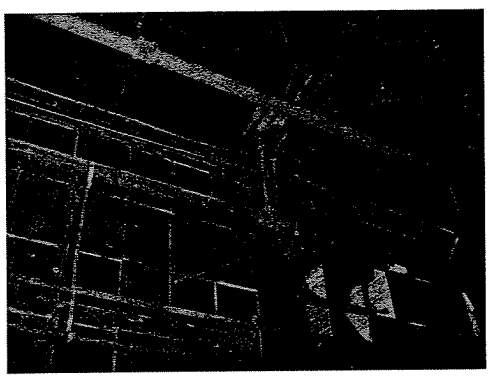
Polrep 12 - Photos

Excavated

Clean Backfill



Boiler



Pipe insulation

Three loads

Marsh valve

Dunkirk , NY - EPA Region II
POLREP #13
All POLREPs for this site

On-Scene Coordinator - Dilshad J. Perera **1/11/**
Superfund Emergency Response Action **Report Number 13**

Site Description

See PolRep 1 and 8

Current Activities

During the week of January 7th load 0ut of the lead contaminated was initiated in earnest. To date, approximately 1,800 tons of contaminated soil has been shipped off-site for disposal.

Back-filling of the excavated areas is continuing. To date, approximately 4,800 tons of back-fill have been brought to the site.

On January 9th the demolition of the building was initiated.

On January 10th aides to Sen. Patricia K. McGee , US Rep. Amory Houghton , officials from New York Department of Environmental Conservation (NYSDEC), Dunkirk-Sheridan Empire Zone and The City o Dunkirk Housing, Building & Zoning office arrived on site to view the progress of the cleanup. The visit covered by the Dunkirk/Fredonia Observer. A front page article appeared on the January 11th edition of news paper.

Planned Removal Actions

Continued segregation of the construction and demolition debris (C&D).

Removal of the asphalt pavement and continued excavation of the soil beneath the parking lot.

Removal of the foundation.

Continued off-site shipment of the lead contaminated soil.

Disposition of Wastes

Waste Stream	Quantity	Manifest #	Disposal Facility
Lead Contaminated Soil (D008)	21.98 tons	NYB9625797	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	21.61 tons	NYB9625806	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
			CWM Chemical Service

Lead Contaminated Soil (D008)	25.22 tons	NYB9625815	1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	20.32 tons	NYB9625824	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	19.97 tons	NYB9625833	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	19.10 tons	NYB9625842	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	21.31 tons	NYB9625851	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	19.26 tons	NYB9625869	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	19.50 tons	NYB9625878	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	21.75 tons	NYB9625887	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	19.98 tons	NYB9625896	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	21.26 tons	NYB9625905	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	21.07 tons	NYB9625914	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	21.31 tons	NYB9625923	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	26.25 tons	NYB9625932	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	21.57 tons	NYB9625968	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	24.21 tons	NYB9625977	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	23.95 tons	NYB9625986	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
			CWM Chemical Service

Lead Contaminated Soil (D008)	23.00 tons	NYB9625995	1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	19.40 tons	NYB9626004	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	18.25 tons	NYB9626013	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	22.97 tons	NYB9626022	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	20.93 tons	NYB9626031	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	21.40 tons	NYB9626049	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	23.74 tons	NYB9626058	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	22.79 tons	NYB9626067	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	26.97 tons	NYB9626076	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	24.11 tons	NYB9626085	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	23.84 tons	NYB9626094	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	21.60 tons	NYB9626103	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	25.36 tons	NYB9658665	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	26.79 tons	NYB9658656	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	21.28 tons	NYB9658647	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	22.42 tons	NYB9658674	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
			CWM Chemical Service

Lead Contaminated Soil (D008)	19.94 tons	NYB9658638	1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	21.63 tons	NYB9658683	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	22.97 tons	NYB9658692	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	21.92 tons	NYB9658701	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	22.42 tons	NYB9658719	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	23.15 tons	NYB9658728	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	20.21 tons	NYB9658755	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	18.81 tons	NYB9658746	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	18.52 tons	NYB9658737	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	17.46 tons	NYB9658764	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	18.19 tons	NYB9658773	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	18.36 tons	NYB9658845	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	20.09 tons	NYB9658836	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	19.95 tons	NYB9658827	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	18.85 tons	NYB9658818	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	19.26 tons	NYB9658809	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
			CWM Chemical Service

Lead Contaminated Soil (D008)	22.20 tons	NYB9658791	1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	21.67 tons	NYB9658782	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	23.21 tons	NYB9658881	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	23.22 tons	NYB9658872	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	23.24 tons	NYB9658863	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	20.32 tons	NYB9658854	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	18.50 tons	NYB9658971	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	20.12 tons	NYB9658404	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	15.97 tons	NYB9658386	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	15.67 tons	NYB9658395	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	19.38 tons	NYB9658377	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	19.40 tons	NYB9658368	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	20.26 tons	NYB9658359	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	20.32 tons	NYB9658341	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	21.98 tons	NYB9658332	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	19.19 tons	NYB9659007	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
			CWM Chemical Service

Lead Contaminated Soil (D008)	22.52 tons	NYB9658998	1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	16.98 tons	NYB9658989	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	18.23 tons	NYB9658962	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	17.58 tons	NYB9658953	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	19.69 tons	NYB9658944	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	20.35 tons	NYB9658935	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	19.57 tons	NYB9658926	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	23.40 tons	NYB9658917	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	21.67 tons	NYB9658908	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	20.68 tons	NYB9658899	CWM Chemical Service 1550 Balmer Road Model City, NY 14107

All POLREPs for this site

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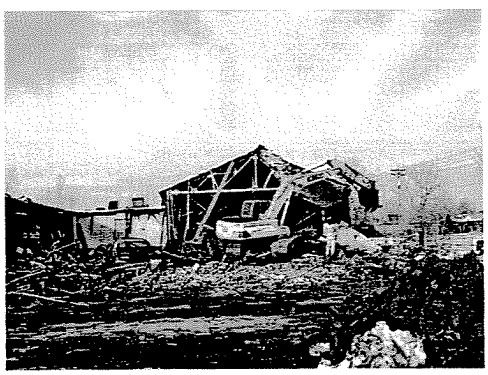
Polrep 13 - Photos

Load out

Demolition



Building

Marsh valve

Dunkirk , NY - EPA Region II
POLREP #14
All POLREPs for this site

On-Scene Coordinator - Dilshad J. Perera **1/18/**
Superfund Emergency Response Action **Report Number 14**

Site Description

See PolRep 1 and 8

Current Activities

During the week of January 14th, the demolition of the building continued. On January 15th the demolition of the building was completed, and the off-site shipment of the Construction & Demo (C&D) debris ensued. Out of safety concerns, the US EPA requ that a portion of Brigham Road be closed while the last portion of building was demolished. The City of Dunkirk in coordination with Chautauqua County closed the road between 9:00am and 11:00am on January 15th.

Due to a failure of a bag-house at the disposal facility, the off-site shipment of the lead contaminated soil ceased temporarily on January 17th. It is anticipated that off-site shipment will resume on Monday Janu 21st.

The excavation of the paved area was initiated on January 17th.

Planned Removal Actions

Complete off-site disposal of C&D on January 21st.

Initiate the removal of the concrete foundation.

Continue excavation in the paved areas.

Disposition of Wastes

Waste Stream	Quantity	Manifest #	Disposal Facility
Lead Contaminated Soil (D008)	22.59 tons	NYB9658413	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	21.75 tons	NYB9658422	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	17.56 tons	NYB9658431	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
			CWM Chemical Service

Lead Contaminated Soil (D008)	22.81 tons	NYB9658449	1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	18.82 tons	NYB9658458	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	19.65 tons	NYB9658467	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	16.11 tons	NYB9658476	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	20.86 tons	NYB9658485	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	23.67 tons	NYB9658494	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	22.66 tons	NYB9658503	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	20.40 tons	NYB9658512	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	20.43 tons	NYB9658053	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	21.51 tons	NYB9658062	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	21.40 tons	NYB9658071	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	20.20 tons	NYB9658089	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	24.31 tons	NYB9658098	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	21.34 tons	NYB9658107	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	18.03 tons	NYB9658116	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	16.54 tons	NYB9658125	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
			CWM Chemical Service

Lead Contaminated Soil (D008)	20.11 tons	NYB9658134	1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	21.07 tons	NYB9658143	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	18.33 tons	NYB9658152	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	21.68 tons	NYB9658161	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	21.59 tons	NYB9658179	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	18.99 tons	NYB9658188	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	19.63 tons	NYB9658197	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	19.23 tons	NYB9658206	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	19.55 tons	NYB9658215	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	21.82 tons	NYB9658224	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	21.62 tons	NYB9658233	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	22.97 tons	NYB9658251	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	22.44 tons	NYB9658242	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	24.34 tons	NYB9658269	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	20.96 tons	NYB9658278	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	21.89 tons	NYB9658287	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
			CWM Chemical Service

Lead Contaminated Soil (D008)	20.50 tons	NYB9658296	1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	21.24 tons	NYB9658305	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	22.06 tons	NYB9657918	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	17.08 tons	NYB9657756	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	19.77 tons	NYB9657747	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	21.87 tons	NYB9657738	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	19.21 tons	NYB9657729	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	22.34 tons	NYB9657711	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	20.28 tons	NYB9657702	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	18.90 tons	NYB9657693	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	20.88 tons	NYB9657684	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	22.21 tons	NYB9657675	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	22.28 tons	NYB9657666	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	23.95 tons	NYB9657657	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	25.32 tons	NYB9657648	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	21.72 tons	NYB9657639	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
			CWM Chemical Service

Lead Contaminated Soil (D008)	21.66 tons	NYB9657621	1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	22.28 tons	NYB9657612	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	20.33 tons	NYB9657603	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	19.59 tons	NYB9657594	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	22.54 tons	NYB9657585	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	19.99 tons	NYB9657576	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	22.78 tons	NYB9657567	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	19.62 tons	NYB9657558	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	22.50 tons	NYB9657549	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	21.62 tons	NYB9657531	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	21.57 tons	NYB9657522	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	20.39 tons	NYB9657513	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	24.84 tons	NYB9657504	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	23.24 tons	NYB9657495	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	21.68 tons	NYB9657486	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	19.77 tons	NYB9657477	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
			CWM Chemical Service

Lead Contaminated Soil (D008)	23.46 tons	NYB9657468	1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	23.12 tons	NYB9657459	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	25.49 tons	NYB9657828	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	26.31 tons	NYB9657837	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	22.35 tons	NYB9657846	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	22.91 tons	NYB9657855	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	20.23 tons	NYB9657864	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	21.77 tons	NYB9657873	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	24.09 tons	NYB9657882	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	22.16 tons	NYB9657891	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	22.97 tons	NYB9657909	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	19.54 tons	NYB9657819	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	22.54 tons	NYB9657801	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	22.16 tons	NYB9657792	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	22.65 tons	NYB9657783	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	20.67 tons	NYB9657774	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
			CWM Chemical Service

Lead Contaminated Soil (D008)	25.03 tons	NYB9657765	1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	23.56 tons	NYB9668628	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	22.62 tons	NYB9668637	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	22.81 tons	NYB9668646	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	21.59 tons	NYB9668655	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	25.11 tons	NYB9668664	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	21.67 tons	NYB9668673	CWM Chemical Service 1550 Balmer Road Model City, NY 14107
Lead Contaminated Soil (D008)	22.46 tons	NYB9668682	CWM Chemical Service 1550 Balmer Road Model City, NY 14107

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