

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Riverside Avenue Site - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region II

Subject: **POLREP #23**
Riverside Avenue Site
02PC
Newark, NJ
Latitude: 40.7670135 Longitude: -74.1593681

To: Benjamin Tuxhorn, USCG-AST
Andrew Raddant, Department of Interior
Dave Sweeney, NJDEP
David Isabel, Golub & Isabel
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From: Eric M. Daly, On-Scene Coordinator

Date: 6/27/2014

Reporting Period: 06/07/14 thru 06/27/14

1. Introduction

1.1 Background

Site Number:	02PC	Contract Number:	EP-S2-10-01
D.O. Number:	0038	Action Memo Date:	8/23/2011
Response Authority:	CERCLA	Response Type:	Time-Critical
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	10/17/2011	Start Date:	10/17/2011
Demob Date:		Completion Date:	
CERCLIS ID:	NJSFN0204232	RCRIS ID:	
ERNS No.:		State Notification:	
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category

Time-Critical CERCLA Removal Action

1.1.2 Site Description

The Riverside Avenue Site is an abandoned industrial facility on the banks of the Passaic River. Since the early 1900s the Site had been used for many businesses, including a paint manufacturer, a packaging company, and a chemical warehouse. It consists of two abandoned buildings on approximately two acres. The property is owned by the City of Newark and was acquired in tax foreclosure proceedings.

1.1.2.1 Location

29 Riverside Avenue, Newark, Essex County, New Jersey, between the Passaic River and Mearter Highway.

1.1.2.2 Description of Threat

Ten abandoned 12,000-15,000 gallon USTs containing hazardous wastes have been identified on the property. Approximately 100 3,000 -10,000 gallon ASTs have been identified in the buildings, many of which have been sampled for hazardous materials. Two tanks containing an oily wastes have been identified in the basement of one of the buildings. A number of 55-gallon drums and smaller containers have been observed in the buildings. In addition, there are a number of sumps that may contain hazardous substances.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

The preliminary assessment was completed in 2010. Two basement tanks in one building and the sumps of the other building have been sampled for hazardous waste characterization. See Documents Section for results of the site assessment sampling/analytical.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

2.1.2 Current Response Activities

Date Range: 06/07/14 thru 06/27/14 On June 09 thru June 13, 2014 OSC Daly, OSC Brescio and KEMRON Crew (Response Manager, FCA, one Operator, one Chemical Technician and two Cleanup Technicians) were working at Riverside Avenue Site. Activities included:

- KEMRON continues to transfer of hazardous liquid from Building #7 basement vaults to Frac Tanks.
- Sludge removal started on 05/21/14 in Building #7 Basement Vault #1 (Side closest to Passaic River/East Side) and continued through this date range. The crew and staff will continue to work in Level B PPE during this operation.
- MultiRae VOC Readings range from 2 ppm to 122 ppm in the hot zone depending on sludge/liquid agitation.
- On 06/06/14, one tanker transported approximately 5,300 gallons of haz code contaminated liquid waste from Building #7 Basement Vaults. On 06/09/14, four tankers transported approximately 21,252 gallons of haz code contaminated liquid waste from Building #7 Basement Vaults. However, there were mistakes made by the subcontractor laboratory (Original bid awarded laboratory) in presenting some of the lab data to the final disposal facility as well as the final disposal facility not properly reviewing the data. When the disposal facility sampled and analyzed the tanker contents, the Cresol levels exceeded the facilities permitted treatment levels. All liquid material was returned to the Riverside Site Frac tanks on 06/10/14.
- On 06/11/14, samples were obtained for analysis from the staged solid pile from Vault #1 as well as wet sludge samples from Vault #1 pit.
- On 06/13/14, the first section of the concrete floor was cut and removed from Vault #2. Solid material removal from Vault #2 commenced. This material will be staged separately than Vault #1 and will be considered a separate waste stream.

On June 16 thru June 20, 2014 OSC Daly, OSC Brescio and KEMRON Crew (Response Manager, FCA, two Operators, one Chemical Technician, one Cleanup Technician/Operator and one Cleanup Technicians) working at site. Activities included:

- KEMRON continues to transfer of hazardous liquid from Building #7 basement vaults to Frac Tanks.
- Sludge removal started on 06/13/14 in Building #7 Basement Vault #2 (Side closest to Building #12/West Side) and continued through this date range. The crew and staff will continue to work in Level B PPE during this operation.
- MultiRae VOC Readings range 1 ppm to 129 ppm in the hot zone depending on sludge/liquid agitation.
- On 06/16/14, one tanker transported approximately 5,160 gallons of haz code contaminated liquid waste from Building #7 Basement Vaults.
- On 06/17/14, one tanker transported approximately 5,850 gallons of haz code contaminated liquid waste from Building #7 Basement Vaults.
- On 06/18/14, two tankers transported approximately 10,597 gallons of haz code contaminated liquid waste from Building #7 Basement Vaults.
- On 06/19/14, two tankers transported approximately 10,720 gallons of haz code contaminated liquid waste from Building #7 Basement Vaults.
- On 06/20/14, one tanker transported approximately 5,475 gallons of haz code contaminated liquid waste from Building #7 Basement Vaults. This will be the last tanker of liquid waste until after the remaining contents in the Frac tanks are filtered to lower solid percentage. The disposal expense of the hazardous code liquid accumulated has been a lot higher than anticipated due to high solids and the high concentrations of Cresol. Lab results were received for the staged solid pile from Vault #1 as well as wet sludge samples from Vault #1 pit. Due to the problems with the subcontractor laboratory (Original bid awarded laboratory), another laboratory will be used for disposal analytical analysis. Therefore, the solid samples remaining at this laboratory were forwarded to another laboratory (Original bid/2nd laboratory) for comparative analysis. Lab results anticipated by 06/26/14.
- On 06/20/14 around 4:45 pm, there was a water line break on Riverside Avenue and all water to the Riverside Industrial complex was shut off.

On June 23 thru June 27, 2014 OSC Daly, OSC Brescio and KEMRON Crew (Response Manager, FCA, two Operators, one Chemical Technician, one Cleanup Technician/Operator and one Cleanup Technicians) working at site. Activities included:

- KEMRON continues to transfer of hazardous liquid from Building #7 basement vaults to Frac Tanks.
- Sludge removal started on 06/13/14 in Building #7 Basement Vault #2 (Side closest to Building #12/West Side) and continued through this date range. The crew and staff will continue to work in Level B PPE during this operation.
- MultiRae VOC Readings range from 1 ppm to 49 ppm in the hot zone depending on sludge/liquid agitation.
- On 06/23/14, the water line on Riverside Avenue was repaired and service was restored around 12:00 PM. Frac #1 liquid was sent out for confirmation analytical to the new laboratory (Original bid/2nd laboratory). Results due back by 06/27/14.
- On 06/24/14, KEMRON observed an increase in the liquid level of Building #7 Vault #2. OSC and KEMRON performed a Level B PPE entry into Building #12 Basement. One of the remaining investigations for the removal action was to enter an underground passageway between Building #12 and Building #7. During the investigation it

was noted that the water level was a lot higher than it should be; especially with no current rain events. In the past, the basement held water briefly but then the water receded (Unlike Building #7 Basement which holds the liquid). It was never determined if the water seeps through the basement walls to surrounding subsurface soil or makes it way to Building #7 (Hence the investigation of the passageway). This water level was about 10 inches. This level is higher the levels initially encountered when EPA conducted first remove action entry in 2011 post Hurricane Irene. The doorway to the tunnel was almost entirely submerged (the door entrance is lower than the main floor of the basement). It was also observed that the two tanks (which EPA removed the product from during initial removal phase) were cut up for scrap by trespassers (this occurred between the demob in May 2012 and mobilization in April 2014). Lastly, the sound of water draining was identified. Since there were no recent rain events, it was highly unlikely that water would be coming from upper floor levels. A charged city water line was observed pouring water into the basement. When the valve at the end of the pipe was closed, a hole in the metal piping started spraying water from this pressurized line. It was assumed that this new water flow was a result of the water line repair on 06/23/14. OSC reached out to Newark contacts and requested an immediate response. Newark Water and Sewer Department responded later that evening and shut off the valve that they believed supplied the water. They came out late yesterday...and then again earlier this morning. This should eliminate the water issue, allow us to pump out Building #12 Basement and then start the investigation.

- On 06/25/14, OSC and KEMRON performed another Level B PPE entry into Building #12 Basement. The city water pipe continued to flow water. Newark Water and Sewer Department returned to the site and open/resealed known valves. A second entry by OSC and KEMRON was conducted and the pipe was still observed to be pressurized and leaking. Several trouble shooting efforts by Newark Water and Sewer Department were attempted with no success. Eventually, a repair band was placed over the damaged area of the water line and the valve at the end of the line closed. The water flow appears to be stopped. Pumping of the water from Building #12 Basement has commenced.

Waste Generation Report US EPA Region 2 ERRS Riverside Avenue Site							
ERRS Contract EP-S2-10-01							
Task Order: 0038							
Manifest Number	Date Shipped	QTY	Units	Waste Description	Waste Code	Method of Disposal	Disposal Facility
1837 UST1-002	12/19/2011	6396	Gallons	Non-RCRA, Non-DOT Petroleum Contaminated Water	None	Treat and Discharge	Clean Waters of New York
1838 UST1	12/19/2011	5989	Gallons	Non-RCRA, Non-DOT Petroleum Contaminated Water	None	Treat and Discharge	Clean Waters of New York
1838 UST2-001	12/20/2011	6068	Gallons	Non-RCRA, Non-DOT Petroleum Contaminated Water	None	Treat and Discharge	Clean Waters of New York
1838-UST2-002	12/20/2011	6396	Gallons	Non-RCRA, Non-DOT Petroleum Contaminated Water	None	Treat and Discharge	Clean Waters of New York
1838-UST3-001	12/20/2011	6396	Gallons	Non-RCRA, Non-DOT Petroleum Contaminated Water	None	Treat and Discharge	Clean Waters of New York
1838-UST5-001	12/21/2011	5816	Gallons	Non-RCRA, Non-DOT Petroleum Contaminated Water	None	Treat and Discharge	Clean Waters of New York
1838-UST5	1/13/2012	5865	Gallons	Non-RCRA, Non-DOT Petroleum Contaminated Water	None	Treat and Discharge	Clean Waters of New York
1838-UST-005	1/13/2012	5457	Gallons	Non-RCRA, Non-DOT Petroleum Contaminated Water	None	Treat and Discharge	Clean Waters of New York
				Non-RCRA, Non-DOT Petroleum		Treat and	Clean Waters of

JOB-113822	3/27/2012	6065	Gallons	Contaminated Water	None	Discharge	New York
1838-01-21312	2/13/2012	5.94	Tons	RQ, NA2212, Asbestos, 9, III {PPE & Bagged Debris}	None	Landfill	Cumberland County Landfill
009522336JJK	3/22/2012	5000	Gallons	UN1993, Flammable Liquids, N.O.S. (Benzene, Tetrachloroethylene), 3, PG III	D001, D018, D022, D036	Treat and Discharge	Bridgeport United Recycling
009522338JJK	3/26/2012	5250	Gallons	UN1993, Flammable Liquids, N.O.S. (Benzene, Tetrachloroethylene), 3, PG III	D001, D018, D022, D037	Treat and Discharge	Bridgeport United Recycling
009522339JJK	3/28/2012	5200	Gallons		D001, D018, D022, D038	Treat and Discharge	Bridgeport United Recycling
009522340JJK	3/29/2012	5000	Gallons	UN1993, Flammable Liquids, N.O.S. (Benzene, Tetrachloroethylene), 3, PG III	D001, D018, D022, D039	Treat and Discharge	Bridgeport United Recycling
94796	4/10/2012	6200	Gallons	Non-DOT, Non-RCRA Regulated Liquid (Water)	None	Treat and Discharge	
94795	4/10/2012	6150	Gallons	Non-DOT, Non-RCRA Regulated Liquid (Water)	None	Treat and Discharge	Environmental Recovery Corporation
94738	4/11/2012	6100	Gallons	Non-DOT, Non-RCRA Regulated Liquid (Water)	None	Treat and Discharge	Environmental Recovery Corporation
94798	4/11/2012	5200	Gallons	Non-DOT, Non-RCRA Regulated Liquid (Water)	None	Treat and Discharge	
94799	4/12/2012	6040	Gallons	Non-DOT, Non-RCRA Regulated Liquid (Water)	None	Treat and Discharge	
94800	4/12/2012	6000	Gallons	Non-DOT, Non-RCRA Regulated Liquid (Water)	None	Treat and Discharge	
94803	4/13/2012	6120	Gallons	Non-DOT, Non-RCRA Regulated Liquid (Water)	None	Treat and Discharge	
009955035JJK	4/10/2012	4600	Gallons	NA3082, Hazardous Waste, Liquid, N.O.S. (Benzene), 9, PG III	D018	Treat and Discharge	Bridgeport United Recycling
				Non-RCRA, Non-DOT Regulated			Cumberland

1838-0741	4/18/2012	21.53	Tons	Solid, N.O.S. (Soil)	None	Landfill	County Landfill
				Non-RCRA, Non-DOT Regulated			Cumberland
1838-0611	4/18/2012	17.88	Tons	Solid, N.O.S. (Soil)	None	Landfill	County Landfill
				Non-RCRA, Non-DOT Regulated			Cumberland
1838-9609	4/19/2012	23.22	Tons	Solid, N.O.S. (Soil)	None	Landfill	County Landfill
				Non-RCRA, Non-DOT Regulated			Cumberland
1838-0074	4/19/2012	20.14	Tons	Solid, N.O.S. (Soil)	None	Landfill	County Landfill
				Non-RCRA, Non-DOT Regulated			Cumberland
1838-00135	4/20/2012	16.27	Tons	Solid, N.O.S. (Soil)	None	Landfill	County Landfill
				Non-RCRA, Non-DOT Regulated			Cumberland
1838-9911	4/20/2012	14.1	Tons	Solid, N.O.S. (Soil)	None	Landfill	County Landfill
				Non-RCRA, Non-DOT Regulated		Treat and	
1838-FT401	4/27/2012	5987	Gallons	Liquid, N.O.S. (Water)	None	Discharge	
				Non-RCRA, Non-DOT Regulated		Treat and	Environmental
1838-FT402	4/27/2012	6097	Gallons	Liquid, N.O.S. (Water)	None	Discharge	Recovery Corporation
				Non-RCRA, Non-DOT Regulated		Treat and	
1838-FT403	5/1/2012	3300	Gallons	Liquid, N.O.S. (Water)	None	Discharge	
				Non-RCRA, Non-DOT Regulated		Treat and	
1838-FT404	5/1/2012	4000	Gallons	Liquid, N.O.S. (Water)	None	Discharge	
					D001, D018, D022, D039		
009593421JJK	5/2/2012	9	Drums			Incineration	Ross Incineration
				RQ, UN1993, Waste Flammable Liquid, N.O.S., 3, III (Diesel, Gasoline)	D001, D018, D008		
009593421JJK	5/2/2012	23	Drums			Fuels Blending	Systech
				Non RCRA, Non DOT Regulated			Republic Lorain
009593421JJK	5/2/2012	5	Drums	Material (Spent Carbon)	None	Landfill	County Landfill
				Non RCRA, Non DOT Regulated			Republic Lorain
009593421JJK	5/2/2012	15	Drums	Material (Tank Solids)	None	Landfill	County Landfill
				Non RCRA, Non DOT Regulated			Republic Lorain
009593421JJK	5/2/2012	1	Drums	Material (Tank Solids)	None	Landfill	County Landfill
				Non RCRA, Non DOT Regulated			Republic Lorain
009593421JJK	5/2/2012	14	Drums	Material (Tank Liquids)	None	Landfill	County Landfill
				Non RCRA, Non DOT Regulated			Republic Lorain
				Material (Drill			

009593421JJK	5/2/2012	5	Drums	Cuttings)	None	Landfill	County Landfill
				RQ, NA2212, Asbestos, 9, III {PPE & Bagged Debris}	None	Landfill	Cumberland
1838-02	5/8/2012	10	Tons		None	Landfill	County Landfill
14001	6/4/2014	6396	Gallons		None		Clean Waters
14002	6/4/2014	6396	Gallons		None		Clean Waters
14003	6/4/2014	5526	Gallons		None		Clean Waters
012264610JJK	6/16/2014	5,160	Gallons		D019, D023, D026, D039		Tradebe
012264611JJK	6/17/2014	5,850	Gallons		D019, D023, D026, D039		Tradebe
012264612JJK	6/18/2014	5,312	Gallons		D019, D023, D026, D039		Tradebe
012264613JJK	6/18/2014	5,285	Gallons		D019, D023, D026, D039		Tradebe
012264614JJK	6/19/2014	5,360	Gallons		D019, D023, D026, D039		Tradebe
012264728JJK	6/19/2014	5,360	Gallons		D019, D023, D026, D039		Tradebe
012264729JJK	6/20/2014	5,475	Gallons		D019, D023, D026, D039		Tradebe

2.2 Planning Section

2.2.1 Anticipated Activities

Investigate underground tunnel between Building #12 Basement and Building #7. There will be a temporary personnel demobe due to 4th of July holiday. Removal work will be shut down starting close of business on 07/02/14 and resume on 07/09/14. Security will be on-site throughout this date range.

2.2.1.1 Planned Response Activities

The assessment, removal and disposal of hazardous liquid, sludge and solids from Building #7 Basement Vault areas.

2.2.1.2 Next Steps

Continue to remove sludge from Building #7 Basement Vaults, solidify and stage for disposal. Continue to transfer liquid, Building #7 Basement Vaults into the frac tanks. This liquid will now be filtered to cut down on the solids. Continue to schedule transportation of liquid waste for disposal. Create profile for solid waste.

2.2.2 Issues

None

2.3 Logistics Section

No information available at this time.

2.4 Finance Section

No information available at this time.

2.5 Other Command Staff

No information available at this time.

3. Participating Entities

3.1 Unified Command

n/a

3.2 Cooperating Agencies

USCG

NJ Division of Criminal Justice

City of Newark OEM

City of Newark Fire Department

NJDEP

4. Personnel On Site

USEPA

OSC Daly

KEMRON

1-Response Manager

1-Field Accountant

1-T&D Coordinator/Chemist (Off-Site hours authorized)

2-Operators

1-Cleanup Technician

1-Cleanup/Operator Technicians

1-Chem. Technician

5. Definition of Terms

No information available at this time.

6. Additional sources of information

No information available at this time.

7. Situational Reference Materials

No information available at this time.