

U.S. ENVIRONMENTAL PROTECTION AGENCY

Superior Barrel and Drum - Removal UPDATE



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region II

Subject: Removal Update
First Disposal Bid Package Generated
Superior Barrel and Drum
Elk, NJ
Latitude: 39.6930670 Longitude: -75.1345550

From: Keith Glenn,
OSC/Environmental Scientist
Date: 1/12/2013
Reporting Period: January 9, 2014 through
January 12, 2014

FOR PREVIOUS REMOVAL UPDATES, PLEASE CONTACT: glenn.keith@epa.gov

Current Activities

Personnel returned to the site following a two week holiday shutdown. Disposal bids were sent out for the appropriate treatment, recycling, or disposal of flammables, acid, and base substances. Personnel worked mostly in the warming cells preparing containers for shipment and bulking acids of low volume. Press continued to visit the site with interviews conducted of EPA, Elk Police, and surrounding property owners.

EPA continued to work with numerous partners including the Gloucester County Fire Marshal's Office, HazMat Team, NJDEP, U.S. Fish and Wildlife, and local officials. NJDEP personnel continued weekly visitations and communication with Elk Township officials also continued. Security personnel continued to patrol the site during non-operational hours.

Response Actions to Date

To view removal actions completed during other operational periods, please contact Keith Glenn at 732-321-4454 or email: glenn.keith@epa.gov.

On January 6, 2014 a bid package was sent to various transportation and disposal firms and brokers.

The request for quotes includes the removal of all flammable materials, acids, and bases. In preparation for future shipping of material, personnel commenced cleaning of the exterior facades of the containers. Additionally, acids with pH of 4 and 5 were bulked (separately by pH) due to low volumes. Due to extremely cold temperatures on January 7th and 8th, personnel limited their outdoor exposure. Most operations were conducted in the warming cells.

On January 8, 2014 EPA Public Affairs and the OSC were interviewed by CBS 3 Philadelphia. The on-site interview focused on EPA cleanup efforts and initial notifications. CBS reporters also interviewed Elk Township Police Chief and the property owner located south of the site.

EPA generated the RCRA ID request form to obtain a number for disposal purposes. EPA worked with NJDEP Waste Management to ensure a proper number was received.

On January 9, 2014 focus was placed on over-packing containers filled with acidic material. The original containers were found to be in non-DOT condition and required over-packing for preparation to ship.

On January 10, 2014 a total of 11 composite samples were collected from remaining flammable and corrosive substances that exhibited additional unique characteristics. Composite samples represent a total of 60 containers in this batch.

RST continued to provide perimeter and spot air monitoring to ensure the safety of personnel and surrounding properties. Additionally, RST continued to manage the SCRIBE and Response Manager databases. A pilot project to generate the first site-specific FlexViewer is currently underway. This visual, interactive map will give EPA management the ability to monitor the Common Operating Picture (COP) of site activities.

Progress Metrics

Waste Stream	Sub-Class	Composite Samples Collected	Amount of Containers in Composite
NEUTRAL			
	N1	1	35
	N2	0	-
	N3a	1	35
	N3b		-
	N4	0	-
	N5	0	-
	N6	0	-
	N7	0	-
FLAMMABLE			
	F1a	1	33
	F1b	1	12
	F1c	1	11
	F1d	1	9
	F1e	1	12
	F1f (Liquid Brown)	1	12
	F1g (Liquid Brown)	1	12
	F1h (Liquid Brown on Water)	1	12
	F1i (Liquid Amber)	1	10
	F1j (Liquid Brown)	1	12
	F1k (Misc. Liquid)	1	12
	F1 Grab	4	*
	F2a (Powder)	1	10

	F2b (Soil)	1	11
	F2c (Solid Chunks)	1	8
	F2d (Gel)	1	3
	F2e (Misc. Solid)	1	6
	F3a (Sludge Red)	1	12
	F3b (Sludge Browns)	1	12
	F3c (Sludge Browns)	1	12
	F3d (Sludge Browns)	1	10
	F3e (Sludge Browns)	1	11
	F3f (Misc. Sludge)	1	12
	F3 Grab	1	*
	F4a (Acid Dark)	1	13
	F4b (Acid Light)	1	5
	F4c (Acid Brown)	1	12
	F4d (Acid Tan)	1	7
	F4e (Acid Sludge)	1	4
	F5a (Base)	1	7
	F6a (Paint Red/Cream)	1	8
	F6b (Paint Blue)	1	12
	F7a (Resin Clear)	1	5
	F7b (Resin Gray Sludge)	1	4
	F7c (Resin Red Sludge)	1	6
	F7d (Resin Black Liquid)	1	4
	F7e (Resin (Gold)	1	3
	F7f (Resin Brown)	1	5
	F7g (Resin Tan)	1	4
	F7h (Resin Multicolor)	1	7
	F7i (Resin White)	1	3
	F7j (Resin Red)	1	2
	F8a (Adhesive Black)	1	3
	F8b (Adhesive Red Orange)	1	3
	F8c (Adhesive Brown)	1	5
	F8d (Adhesive Green Yellow)	1	5
	F8e (Adhesive Tan)	1	2
	F8f (Adhesive Gray Blue)	1	4
	F8g (Adhesive Red Orange)	1	6
	F8h (Adhesive (Green Gray)	1	9
ACID			
	A1a (pH=4; low viscosity)	1	12
	A1b (pH=4; high viscosity)	1	10
	A1c (pH=3)	1	11
	A1d (Acidic Solids)	1	5
	A1e (pH=1)	1	3
	A1f (pH=2)	1	7
	Grab (difference in properties prevent from bulking)	11	*
	A2a (pH=3-4)	1	11
	A2b (pH=3-4)	1	12

BASE		
B1a (pH=14)	1	2
B1b (pH=14)	1	2
B1c (pH=13)	1	2
B1d (pH=13)	1	8
B1e (pH=12)	1	4
B1f (pH=11)	1	7
B1g (pH=10)	1	7
B1h (pH=10)	1	5
B1i (pH=10)	1	7
B1j (pH=11)	1	4
B1k (pH=11)	1	9
B1l (pH=14)	1	3
B1m (pH=13)	1	2
B1n (pH=13)	1	3
B1o (pH=12)	1	4
B1p (pH=10)	1	2
B1q (pH=10)	1	2
B1 Grab (difference in properties prevent from bulking)	5	*
B2a (Combustible Low Sludge)	1	11
B2b (Combustible High Sludge)	1	10
B2 Grab (Combustible)	3	*

* Grab samples are collected from one container and are not bulked due to unique features.

Planned Response Activities

During the next operational period site managers will review quotes received for the T&D of flammables, acids, and bases. A decision will be made on the vendor and a subcontract will be awarded. EPA will work with the awardee to ensure all sample information is adequate for the disposal or treatment of materials. EPA will conform to the Off-Site Disposal rule prior to release of constituents.

T&D of contaminated material is tentatively scheduled to commence the end of January 2014.

Analytical data may become available during the next operational period. Site managers and chemists will review any data and consider options for future disposal of material.

RST will continue to work with EPA on the development of a Common Operational Picture (COP) utilizing FlexViewer. RST personnel will continue perimeter air monitoring.

Additional action items that will be addressed include the propane tanks, waste removal, container destruction, inspection of potentially buried USTs and drums, and collection of additional multi-media samples.

Collaboration between EPA, NJDEP, FWS, County, and local officials will continue throughout the removal activities of the Superior Barrel and Drum Site.