

U.S. ENVIRONMENTAL PROTECTION AGENCY

Superior Barrel and Drum - Removal Update



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region II

Subject: Removal Update
Load-out of On-site Wastes Commences
Superior Barrel and Drum
Elk, NJ
Latitude: 39.6930670 Longitude: -75.1345550

From: Margaret Gregor,
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Date: 2/3/2013
Reporting Period: January 27, 2014 through
February 2, 2014

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

Current Activities

Personnel continued to locate unsorted on-site containers and move them into the appropriate waste group staging areas. All on-site waste streams have been staged with the exception of several neutral waste groups. All containers which are part of the current subcontract (acids, bases and flammables) have been staged in the on-site warming room and prepared for shipping.

On January 30, 2014, load-out of site wastes commenced.

The EPA continued to work with numerous partners including the Gloucester County Fire Marshal's Office, HazMat Team, NJDEP, U.S. Fish and Wildlife Service, 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 29, 2014, all containers within one shipping group of the current T&D subcontract were properly labeled and prepared for shipment. On January 30, 2014, this shipping group, waste inorganic liquids, was shipped off-site for proper disposal. This group represented approximately one fifth of the containers under the current T&D subcontract, which is for the majority of the acids, bases and flammable materials on-site. The waste profiles for the remaining shipping groups were prepared, and were reviewed and signed by the EPA on January 31, 2014. The disposal facilities for the remaining shipping groups are being checked for regulatory compliance under the Off-site Rule. On January 30 and 31, 2014, all remaining containers which are under the current T&D subcontract were moved into the on-site warming room. All were overpacked (if drums) or prepared for shipping (if totes) and labeled in accordance with DOT regulations; the containers are ready to be shipped.

Between January 27 and 31, 2014, staging of all containers neutral materials continued; the neutral organic mixtures, solids, sludges, latex and paint materials, and liquid/solid mixtures are last to be segregated on-site into proper staging areas. Containers are being overpacked or prepared for shipping as they are being moved. Acids, bases, combustibles, flammables, oxidizers, water reactive materials, chlorinated materials, trash and empty containers have been properly staged. On January 27, 2014, bulking of low-volume flammable liquids was completed.

On January 29, 2014, analytical results were received for the neutral liquids which had been sent to the EPA PHILIS laboratory. Adequate VOC results were provided, and are currently being reviewed. On January 29, 2014, the on-site chemist began utilizing an X-ray Fluorescence device to screen samples of neutral liquids and combustible solids for heavy metals. The technique proved effective for screening combustible solids for heavy metals, and will be utilized for grouping combustible solids into composite samples. On January 30 and 31, 2014, seven composite samples of combustible solids were collected, and were shipped off-site for laboratory analysis on January 31, 2014.

On January 30, 2014, a press conference took place on-site. In addition to EPA officials, several news outlets were present as well as NJDEP, Elk Township and Glassboro County officials and representatives of Congressman Frank LoBiondo and Senator Robert Menendez. EPA announced the commencement of waste shipments from the site. The EPA website for Superior Barrel and Drum was updated.

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	*
COMBUSTIBLE			
	Composite 1 (Combustible Organic Liquid with Neutral Liquid, Black/Brown)	1	12
	Composite 2 (Combustible Organic Liquid with Neutral Liquid, Brown)	1	12
	Composite 3 (Combustible Liquid with Neutral Liquid, Brown/Tan/Red)	1	12
	Composite 4 (Combustible Liquid with Neutral Liquid, Black/Brown)	1	12
	Composite 5 (Combustible Organic Liquid with Neutral	1	12

	Liquid, Multicolor)		
	Composite 6 (Combustible Solid, Brown/Multicolor)	1	12
	Composite 7 (Combustible Solid, Black/Brown)	1	12

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

<i>Date Shipped</i>	<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>
1/30/2014	Waste Inorganic Liquid	Liquid Wastes	4,500 gallons (37 containers)	012500207	Solidification (Proposed)	Cumberland County Landfill (Interstate Waste Services) 135 Vaughn Road, Shippensburg, PA 17257

Planned Response Activities

During the next operational period, following the disposal facilities' acceptance of the waste profiles, shipment of the remaining waste groups under the current T&D subcontract will be scheduled. Shipment of 47 containers is scheduled for February 6, 2014. Additional shipments of waste under the current T&D subcontract are tentatively scheduled for February 20 and 27, 2014.

On-site personnel will continue to stage containers in their respective waste groups and prepare the containers for shipment. Once wastes are shipped off-site, additional containers will be moved into the on-site warming room.

Collection of composite samples from the remaining waste groups will continue. Abbreviated HazCat field testing of the on-site oxidizers will continue, to determine if the volume for this waste stream can be reduced. In later operational periods, site management will determine whether it is appropriate to utilize the EPA PHILIS laboratory to screen neutral waste streams for VOCs, in order to remove hazardous constituents from this waste stream.

The site will be closed during the week of February 10, 2014 as well as for the observance of Presidents' Day on February 17, 2014.

RST will continue to work with the 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 removal of the on-site 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 at the Superior Barrel and Drum Site.

Issues

On January 28, 2014, extreme cold temperatures slowed the progress of work on-site. On January 29, 2014, a snowstorm forced a delayed opening of the site until it was safe to commute to the site, and work was again delayed slightly due to plowing of the site.