UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region II

Subject: Removal Update
Commence T&D Under Subcontract #2
Superior Barrel and Drum
Elk, NJ
Latitude: 39.6930670 Longitude: -75.1345550

From:	Keith Glenn, OSC/Environmental Scientist
Date:	3/24/2014
Reporting Period:	March 24, 2014 through March 30, 2014

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

Current Activities

Removal of waste under the second subcontract commenced during the operational period with the transportation and disposal (T&D) of flammable material. Chemists completed the collection of screening samples to be analyzed for volatile organic compounds (VOCs) and heavy metal fractions. Managers focused on reviewing the screening data received from the labs to formulate criteria for composite sample generation of the N-series waste.

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.

Crew members focused on preparing materials for shipment. Containers designated for removal under the current subcontract were moved into the warming cells where they were cleaned, labeled and prepared for removal. Waste profiles were generated, reviewed and approved for the release of materials to various disposal facilities.

On March 27, a total of 151 samples were sent to the Region 2 DESA Lab and OEM PHILIS Laboratory located in Edison, NJ. These represent the last of the screening samples requested for the N-series waste. Managers reviewed the previously received data and generated criteria for creating composite samples. Lists of non-regulated waste have been generated using the screening data which will allow for more efficient disposal of materials.

A total of 17 containers were removed from the site on March 28, 2014. Mostly flammable wastes, these 275-gallon totes were sent to a facility where materials will be used for fuel-blending purposes.

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.

Progress Metrics

Waste Stream	Sub-Class	CompositeSamples Collected	Amount of Containers in Composite
NEUTRAL			
	N1	1	35
	N2a, b, and c (Composite 44, 45, and 46)	3	106 (35, 35, and 36 respectively)
	N3a	1	35
	N3b (Composite 43)	1	35
	N4	0	-
	N5a & b (Composite 33 and 34)	2	78 (39 and 39)
	N6 a, b, c, d, e (solids), f (liquids) (Composites 35, 36, 37, 38, 39, and 40)	6	198 (34, 35, 34, 32, 27, and 36 respectively)
	N7 (Composite 41	1	20
	N8 (Composite 42)	1	21
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
	Composite 24 (Flammable Sludge)	1	11
	Composite 25 (Flammable Liquid)	1	9
	Composite 28 (Flammable Paint and Adhesive)	1	9
	Composite 29 (Flammable Liquid)	1	6
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
	Composite 26 (Flammable Acid)	1	13
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	*
	Composite 23 (General Base Liquid)	1	12
	Composite 27 (Flammable Base)	1	9
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 Liquid, Multicolor)	1	12
	Composite 6 (Combustible Solid, Brown/Multicolor)	1	12
	Composite 7 (Combustible Solid, Black/Brown)	1	12
	Composite 8 (Combustible Liquids and Sludges, Black/Brown/Multicolor)	1	12
	Composite 9 (Combustible Liquids, Black/Brown, Multicolor)	1	12
	Composite 10 (Combustible Liquids, Brown)	1	12
	Composite 11 (Combustible Organic Liquids, Brown/ Multicolor)	1	12
	Composite 12 (Combustible Liquid Mixtures, Brown/ Multicolor)	1	12
	Composite 13 (Combustible Organic Liquid Mixtures,	1	12

	Brown/Multicolor)		
	Composite 14 (Combustible Solids, Black or Brown)	1	12
	Composite 15 (Combustible Solids, Brown/Multicolor)	1	11
	Composite 16 (Combustible Sludges, Brown/Multicolor)	1	12
	Composite 17 (Combustible Solids and Resins, Brown/Multicolor)	1	12
	Composite 18 (Combustible Liquids and Solids, Yellow/Multicolor)	1	12
	Composite 19 (Combustible Liquid/Solid Mixtures, Black/Brown)	1	9
	Composite 20 (Combustible Organic Liquids and Sludges, Multicolor)	1	11
	Composite 32 (Combustible Sludge)	1	9
OXIDIZER			
	Composite 21 (Oxidizing Solids)	1	11
	Composite 30 (Oxidizing Organic Liquid on Water)	1	8
CHLORINATED			
	Composite 23 (Chlorinated / PCB)	1	12
WATER REACTIVE			
	Composite 31 (Water Reactive)	1	7

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

Date Shipped	***Waste Stream***	***Medium***	***Quantity***	***Manifest #***	***Treatment***	***Disposal***
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
2/6/2014	Waste Flammable Solid	Solid Wastes	982 gallons (7 containers)	012500266	Incineration (Proposed)	Ross Incineration Services, Inc., 36790 Giles Road, Grafton, OH 44044
2/6/2014	Waste Flammable Corrosive, Acidic Solid	Solid Wastes	55 gallons (1 container)	012500266	Incineration (Proposed)	Ross Incineration Services, Inc., 36790 Giles Road, Grafton, OH 44044
2/6/2014	Waste Corrosive, Inorganic, Acidic Liquid	Liquid Wastes	381 gallons (9 containers)	012500266	Aqueous Treatment (Proposed)	EQ of Detroit, Inc., 1923 Frederick Street, Detroit, MI 48211

2/6/2014	Waste Chromium and Lead Contaminated Solid	Solid Wastes	168 gallons (4 containers)	012500266	Stabilization/ Landfill (Proposed)	Envirosafe Services of Ohio, 876 Otter Creek Road, Oregon, OH 43616
2/6/2014	Waste Mercury Contaminated Corrosive, Inorganic, Acidic Liquid	Liquid Wastes	165 gallons (3 containers)	012500266	Aqueous Treatment (Proposed)	EQ of Detroit, Inc., 1923 Frederick Street, Detroit, MI 48211
2/6/2014	Waste Corrosive, Acidic Liquid Mixture	Mixed Wastes	92 gallons (2 containers)	012500266	Aqueous Treatment (Proposed)	EQ of Detroit, Inc., 1923 Frederick Street, Detroit, MI 48211
2/6/2014	Waste Corrosive, Organic, Acidic Liquid	Liquid Wastes	55 gallons (1 container)	012500266	Aqueous Treatment (Proposed)	EQ of Detroit, Inc., 1923 Frederick Street, Detroit, MI 48211
2/6/2014	Waste Flammable Liquid and Solid Mixture	Solid Wastes	475 gallons (9 containers)	012500266	Incineration (Proposed)	Ross Incineration Services, Inc., 36790 Giles Road, Grafton, OH 44044
2/6/2014	Waste Flammable Liquid and Solid Mixture	Mixed Wastes	1,362 gallons (11 containers)	012500266	Incineration (Proposed)	Ross Incineration Services, Inc., 36790 Giles Road, Grafton, OH 44044
2/20/2014	Waste Corrosive, Inorganic, Basic Liquid	Liquid Wastes	1,509 gallons(13 containers)	12500358	Deep Well Injection(Proposed)	Vickery Environmental, Inc, 3956 State Route 412, Vickery, OH 43464
2/20/2014	Waste Corrosive, Selenium Contaminated, Inorganic, Basic Liquid	Liquid Wastes	190 gallons(2 containers)	12500358	Deep Well Injection(Proposed)	Vickery Environmental, Inc, 3956 State Route 412, Vickery, OH 43464
2/20/2014	Waste Corrosive, Lead Contaminated, Inorganic, Basic Liquid	Liquid Wastes	475 gallons(5 containers)	12500358	Deep Well Injection(Proposed)	Vickery Environmental, Inc, 3956 State Route 412, Vickery, OH 43464
2/20/2014	Waste Corrosive, Lead Selenium Contaminated, Inorganic, Basic Liquid	Liquid Wastes	190 gallons(2 containers)	12500358	Deep Well Injection(Proposed)	Vickery Environmental, Inc, 3956 State Route 412, Vickery, OH 43464
2/20/2014	Waste Corrosive, Chromium Selenium Contaminated, Inorganic, Basic Liquid	Liquid Wastes	1,285 gallons (7 containers)	12500358	Deep Well Injection(Proposed)	Vickery Environmental, Inc, 3956 State Route 412, Vickery, OH 43464
2/20/2014	Selenium Contaminated Liquid	Liquid Wastes	1,285 gallons (7 containers)	12500358	Deep Well Injection(Proposed)	Vickery Environmental, Inc, 3956 State Route 412, Vickery, OH 43464

2/20/2014	Waste Corrosive, Organic, Basic Liquid	Liquid Wastes	285 gallons(3 containers)	12500358	Deep Well Injection(Proposed)	Vickery Environmental, Inc, 3956 State Route 412, Vickery, OH 43464
2/27/2014	Waste Flammable, Chloroform Contaminated	Liquid Wastes	1270 gallons (10 containers)	12500457	Incineration (Proposed)	Ross Incineration Services, Inc., 36790 Giles Road, Grafton, OH 44044
2/27/2014	Benzene Contaminated Liquid	Liquid Wastes	1840 (9 Containers)	12500457	Incineration (Proposed)	Ross Incineration Services, Inc., 36790 Giles Road, Grafton, OH 44044
2/27/2014	Waste Corrosive, Organic, Basic Liquid	Liquid Wastes	95 gallons (1 Container)	12500457	Incineration (Proposed)	Ross Incineration Services, Inc., 36790 Giles Road, Grafton, OH 44044
2/27/2014	Lead Contaminated Liquid	Liquid Wastes	250 gallons (1 container)	12500457	Incineration (Proposed)	Ross Incineration Services, Inc., 36790 Giles Road, Grafton, OH 44044
2/28/2014	Waste, Flammable Liquid	Liquid Wastes	4700 gallons(24 containers)	11519302	Incineration (Proposed)	Ross Incineration Services, Inc., 36790 Giles Road, Grafton, OH 44044
3/5/2014	Waste, Flammable Liquid	Liquid Wastes	5000 gallons(55 containers)	11519349	Incineration (Proposed)	Ross Incineration Services, Inc., 36790 Giles Road, Grafton, OH 44044
3/7/2014	Waste, Flammable Liquid	Liquid Wastes	4,500 gallons(50 containers)	11519380	Incineration(Proposed)	Ross Incineration Services, Inc., 36790 Giles Road, Grafton, OH 44044
3/20/2014	Propane	Liquid Propane	10 cylinders	WO#0472701	Recycling	Suburban Propane, 997 N. Pearl Street, Bridgeton, NJ 08302
2/28/2014	Flammable Liquid, Corrosive, UN2924, NOS, 3, II	Liquid Waste	1250 gallons (4 containers)	12224910	Fuel Blending	Cycle Chem, Inc550 Industrial Drive, Lewisberry, PA 17339
2/28/2014	Flammable Liquids, UN1993, NOS, 3, II	Liquid Waste	1200 gallons(9 containers)	12224910	Fuel Blending	Cycle Chem, Inc550 Industrial Drive, Lewisberry, PA 17339
3/28/2014	Flammable Paint Related Materials, UN1263, 3, II	Liquid Waste	1200 gallons(2 containers)	12224910	Fuel Blending	Cycle Chem, Inc550 Industrial Drive, Lewisberry, PA 17339
3/28/2014	Flammable Solids, NOS, 4.1, II Resins, Paint Pigments	Solid Waste	1250 gallons(2 containers)	12224910	Fuel Blending	Cycle Chem, Inc550 Industrial Drive, Lewisberry, PA 17339

Planned Response Activities

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

Transportation and disposal of wastes will continue in the next operational period. In addition, chemists will focus on the collection of composite samples for the N-series waste. These composite samples will aid in the generation of the next subcontract for disposal. Materials will continue to be removed from the site and be transported to appropriate approved disposal facilities. Additional waste profiles will be generated, reviewed, and approved for the continuance of material disposal.

RST will start to work with the on-scene coordinators on generating a comprehensive sampling plan that will have soil, surface water, ground water and sediment sample points outlined. 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, container destruction, inspection of potentially buried underground storage tanks and drums, and collection of additional multi-media samples.