

U.S. ENVIRONMENTAL PROTECTION AGENCY

Superior Barrel and Drum - Removal Update



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region II

**Subject: Removal Update**  
**T&D Subcontract #2 Complete - 40% of Waste Removed From Site**  
**Superior Barrel and Drum**  
**Elk, NJ**  
**Latitude: 39.6930670 Longitude: -75.1345550**

**From:** Keith Glenn,  
OSC/Environmental Scientist  
**Date:** 4/21/2014  
**Reporting Period:** April 14, 2014 through April 20,  
2014

**FOR PREVIOUS REMOVAL UPDATES, PLEASE CONTACT: [glenn.keith@epa.gov](mailto:glenn.keith@epa.gov)**

**Current Activities**

Removal of waste continued during the operational period with multiple load-outs throughout the week. Approximately 14,000 gallons of waste from 129 containers was sent to disposal facilities during the reporting period. This completes the removal of all waste identified under subcontract 2.

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. 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](mailto:glenn.keith@epa.gov).

On April 14, 2014 a tanker collected and removed approximately 3,500 gallons of flammable liquid contaminated with chromium, lead, benzene, MEK, and additional compounds. This represents waste from approximately 36 containers. On April 16 an additional tanker removed approximately 3,400 gallons of flammable liquid from roughly 24 containers. This material is scheduled to be used for fuel blending purposes at a disposal/recycling facility.

Following the removal of bulk flammable liquids personnel worked on the transfer and consolidation of flammable sludge, solids, and residual material left in the bottom of drums and totes. All material is being consolidated into totes for

future disposal. Some of this material was shipped out on April 17 when approximately 7,400 gallons of flammable sludge and solids were removed from the facility. Approximately 69 containers, not counting those of transferred solids, were sent for fuel blending. This action completed the removal of waste listed under subcontract 2.

All samples needed for disposal purposes were collected during previous operational periods. Preliminary data has been received and is being reviewed for the generation of bids for the disposal of remaining waste. On April 16, 2014 the ERRS contractor sent a request for bid on the removal of additional wastes. Transportation and disposal (T&D) Subcontract 3 will be awarded around April 25. Following such, the final subcontract for all remaining waste will be generated and submitted to various disposal sources.

RST continued to provide air monitoring to ensure the safety of personnel and surrounding properties. Additionally, RST continued to manage the SCRIBE and Response Manager databases.

### Progress Metrics

<i>Date Shipped</i>	<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal Facility</i>
1/30/2014	Waste Inorganic Liquid	Liquid Wastes	4,500 gallons (37 containers)	012500207	Solidification (Proposed)	Cumberland County Landfill (Interstate Waste Services)
2/6/2014	Waste Flammable Solid	Solid Wastes	982 gallons (7 containers)	012500266	Fuel Blending, Incineration	Ross Incineration Services; Geocycle; Buzzi Unicem USA
2/6/2014	Waste Flammable Corrosive, Acidic Solid	Solid Wastes	55 gallons (1 container)	012500266	Incineration	Heritage - WTI
2/6/2014	Waste Corrosive, Inorganic, Acidic Liquid	Liquid Wastes	381 gallons (9 containers)	012500266	Aqueous Treatment, Stabilization, Landfill	EQ of Detroit; Advanced Disposal (CCL); Max Environmental
2/6/2014	Waste Chromium and Lead Contaminated Solid	Solid Wastes	168 gallons (4 containers)	012500266	Neutralization/Stabilization, Landfill	MAX Environmental; Vickerly Environmental
2/6/2014	Waste Mercury Contaminated Corrosive, Inorganic, Acidic Liquid	Liquid Wastes	165 gallons (3 containers)	012500266	Aqueous Treatment	EQ of Detroit
2/6/2014	Waste Corrosive, Acidic Liquid Mixture	Mixed Wastes	92 gallons (2 containers)	012500266	Aqueous Treatment, Incineration	EQ of Detroit; Ross Incineration Services
2/6/2014	Waste Corrosive, Organic, Acidic Liquid	Liquid Wastes	55 gallons (1 container)	012500266	Landfill	Advanced Disposal (CCL)
2/6/2014	Waste Flammable Liquid and Solid Mixture	Solid Wastes	475 gallons (9 containers)	012500266	Incineration	Ross Incineration Services
2/6/2014	Waste Flammable Liquid and Solid Mixture	Mixed Wastes	1,362 gallons (11 containers)	012500266	Incineration; Fuel Blending	Ross Incineration Services; Geocycle

2/20/2014	Waste Corrosive, Inorganic, Basic Liquid	Liquid Wastes	1,509 gallons(13 containers)	12500358	Neutralization/ Landfill	Vickery Environmental, Inc and Max Environmental Technologies, Inc.
2/20/2014	Waste Corrosive, Selenium Contaminated, Inorganic, Basic Liquid	Liquid Wastes	190 gallons (2 containers)	12500358	Neutralization/ Landfill	Max Environmental Technologies, Inc.
2/20/2014	Waste Corrosive, Lead Contaminated, Inorganic, Basic Liquid	Liquid Wastes	475 gallons (5 containers)	12500358	Neutralization/ Stabilization/ Landfill	Max Environmental Technologies, Inc.
2/20/2014	Waste Corrosive, Lead Selenium Contaminated, Inorganic, Basic Liquid	Liquid Wastes	190 gallons (2 containers)	12500358	Stabilization/ Landfill	Max Environmental Technologies, Inc.
2/20/2014	Waste Corrosive, Chromium Selenium Contaminated, Inorganic, Basic Liquid	Liquid Wastes	1,235 gallons (7 containers)	12500358	Neutralization/ Landfill and Deep Well Injection	Vickery Environmental, Inc.
2/20/2014	Selenium Contaminated Liquid	Liquid Wastes	1,285 gallons (7 containers)	12500358	Neutralization/ Landfill	Max Environmental Technologies, Inc.
2/20/2014	Waste Corrosive, Organic, Basic Liquid	Liquid Wastes	285 gallons(3 containers)	12500358	Neutralization/ Stabilization/ Landfill	Max Environmental Technologies, Inc.
2/27/2014	Waste Flammable, Chloroform Contaminated	Liquid Wastes	1270 gallons (10 containers)	12500457	Incineration,Fuel Blending	Ross Incineration Services; Geocycle; Heritage - WTI
2/27/2014	Benzene Contaminated Liquid	Liquid Wastes	1840 (9 Containers)	12500457	Incineration;Fuel Blending	Ross Incineration Services; Geocycle
2/27/2014	Waste Corrosive, Organic, Basic Liquid	Liquid Wastes	95 gallons (1 Container)	12500457	Stabilization/Landfill	Max Environmental
2/27/2014	Lead Contaminated Liquid	Liquid Wastes	250 gallons (1 container)	12500457	Neutralization/Landfill	Max Environmental
2/28/2014	Waste, Flammable Liquid	Liquid Wastes	4700 gallons (24 containers)	11519302	Incineration (Proposed)	Ross Incineration Services, Inc.
3/5/2014	Waste, Flammable Liquid	Liquid Wastes	5000 gallons (55 containers)	11519349	Fuel Blending/ Incineration, Ultrafiltration, Chemical Precipitation and Carbon Absorption	Tradebe Treatment and Recycling Northeast LLC
3/7/2014	Waste, Flammable Liquid	Liquid Wastes	4,500 gallons (50 containers)	11519380	Fuel Blending/ Incineration, Ultrafiltration, Chemical Precipitation and Carbon Absorption	Tradebe Treatment and Recycling Northeast LLC

3/20/2014	Propane	Liquid Propane	10 cylinders	WO#0472701	Recycling	Suburban Propane
3/28/2014	Waste, Flammable Corrosive Acidic Liquid	Liquid Waste	625 gallons (2 containers)	12224910	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
3/28/2014	Waste, Flammable Chromium and Lead Sludge	Mixed Waste	250 gallons (1 container)	12224910	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
3/28/2014	Waste, Flammable Lead and Benzene Sludge	Mixed Waste	250 gallons (1 container)	12224910	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
3/28/2014	Waste, Flammable Liquid	Liquid Waste	250 gallons (1 container)	12224910	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
3/28/2014	Flammable Paint Related	Liquid Waste	1200 gallons (2 containers)	12224910	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
3/28/2014	Waste, Flammable Lead Contaminated	Liquid Waste	1250 gallons (5 container)	12224910	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
3/28/2014	Waste, Flammable Solid	Solid Waste	275 gallons (1 container)	12224910	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
3/28/2014	Waste, Flammable Corrosive Acidic Resin/Water Mix	Mixed Waste	350 gallons (1 container)	12224910	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
3/28/2014	Waste, Flammable Corrosive Acidic Resin	Mixed Waste	275 gallons (1 container)	12224910	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
3/28/2014	Waste, Flammable Solid	Solid Waste	1250 gallons (2 containers)	12224910	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
3/31/2014	Flammable Corrosive Acidic	Liquid Waste	440 gallons(8 containers)	12224914	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
3/31/2014	Flammable Corrosive Acidic	Liquid Waste	275 gallons(5 containers)	12224914	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
3/31/2014	Flammable Corrosive Acidic Resin Sludge	Mixed Waste	110 gallons(2 containers)	12224914	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
3/31/2014	Flammable Liquid, Lab Flash	Liquid Waste	40 gallons(2 containers)	12224914	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
3/31/2014	Flammable Corrosive Acidic Resin	Mixed Waste	275 gallons(5 containers)	12224914	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
3/31/2014	Flammable Corrosive Acidic	Liquid Waste	660 gallons(12 containers)	12224914	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.

3/31/2014	Flammable Corrosive Acidic Resin/Water Mix	Mixed Waste	165 gallons(3 containers)	12224914	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
3/31/2014	Flammable Corrosive Acidic Resin Sludge	Mixed Waste	110 gallons(2 containers)	12224914	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
3/31/2014	Flammable Corrosive Basic Inorganic/Organic Mix	Liquid Waste	55 gallons(1 container)	12224914	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
3/31/2014	Flammable Paint Related	Liquid Waste	216 gallons(10 containers)	12224914	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
3/31/2014	Flammable Lead Contaminated	Liquid Waste	40 gallons(2 containers)	12224914	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
3/31/2014	Corrosive Inorganic Basic	Liquid Waste	110 gallons(2 containers)	12224914	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
4/3/2014	Flammable Paint Related Material	Liquid Waste	1020 gallons(12 containers)	12224943	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
4/3/2014	Flammable Chromium and Lead Contaminated Sludge	Mixed Waste	510 gallons(6 containers)	12224943	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
4/3/2014	Flammable Lead and Benzene Contaminated Sludge	Mixed Waste	765 gallons(9 containers)	12224943	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
4/3/2014	Flammable Liquid	Liquid Waste	85 gallons(1 container)	12224943	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
4/3/2014	Flammable Sludge	Mixed Waste	170 gallons(2 containers)	12224943	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
4/3/2014	Flammable Liquid/Sludge	Mixed Waste	1045 gallons(11 containers)	12224943	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
4/3/2014	Flammable Liquid	Liquid Waste	255 gallons(3 containers)	12224943	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
4/3/2014	Flammable Lead Contaminated Liquid	Liquid Waste	95 gallons(1 container)	12224943	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
4/3/2014	Flammable Paint Related Material	Liquid Waste	425 gallons(5 containers)	12224943	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
4/3/2014	Flammable Sludge	Mixed Waste	765 gallons(9 containers)	12224943	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
4/4/2014	Flammable Lead and Benzene Contaminated Liquid	Mixed Waste	170 gallons(2 containers)	12224944	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.

4/4/2014	Flammable Lead Contaminated Sludge	Mixed Waste	1020 gallons(12 containers)	12224944	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
4/4/2014	Flammable Lead Contaminated Sludge	Mixed Waste	340 gallons(4 containers)	12224944	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
4/4/2014	Flammable Solid	Solid Waste	2795 gallons(35 containers)	12224944	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
4/4/2014	MEK Contaminated Liquid	Liquid Waste	760 gallons(8 containers)	12224944	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
4/4/2014	Flammable Solid	Solid Waste	95 gallons(1 container)	12224944	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
4/8/2014	Flammable Chromium, Lead and Chloroform Contaminated Liquid/Water Mixture	Liquid Waste	3366 gallons (35 containers)	12224919	Fuel Blending (Proposed)	Veolia Environmental Services
4/8/2014	Propane	Liquid Propane	3 cylinders	WO#0472709	Recycling	Suburban Propane
4/9/2014	Flammable Resin Sludge	Mixed Waste	765 gallons (9 containers)	12224953	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
4/9/2014	Flammable Lead and Chromium Contaminated Liquid/Water Mix	Liquid Waste	85 gallons (1 container)	12224953	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
4/9/2014	Flammable Lead Contaminated Resin Solids	Solid Waste	1200 gallons (4 containers)	12224953	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
4/9/2014	Flammable Resin Solids	Solid Waste	1500 gallons (5 containers)	12224953	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
4/9/2014	Flammable Adhesive	Mixed Waste	170 gallons (2 containers)	12224953	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
4/9/2014	Flammable Adhesive	Mixed Waste	680 gallons (8 containers)	12224953	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
4/9/2014	Flammable Adhesive	Mixed Waste	255 gallons (3 containers)	12224953	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
4/9/2014	Flammable Liquid	Liquid Waste	265 gallons (3 containers)	12224953	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
4/9/2014	Class 4.1 Flammable Solids	Solid Waste	6300 gallons (21 containers)	12224953	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
4/10/2014	Flammable Chromium, Lead and Chloroform Contaminated	Liquid Waste	2800 gallons (45 containers)	12224950	Fuel Blending (Proposed)	Veolia Environmental Services

	Liquid/Water Mixture					
4/14/2014	Flammable Chromium, Benzene, Lead Contaminated Liquid	Liquid Waste	3531 gallons(36 containers)	12224949	Fuel Blending (Proposed)	Veolia Environmental Services
4/16/2014	Flammable Chromium, Benzene, Lead Contaminated Liquid	Liquid Waste	3416 gallons(24 containers)	12224978	Fuel Blending (Proposed)	Veolia Environmental Services
4/17/2014	Flammable Liquids	Liquid Waste	255 gallons(3 containers)	12224974	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
4/17/2014	Flammable Solids	Solid Waste	8700 pounds(29 containers)	12224974	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
4/17/2014	Flammable Liquids	Liquid Waste	595 gallons(7 containers)	12224974	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
4/17/2014	Flammable Resins and Paint	Solid Waste	1200 pounds(4 containers)	12224974	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
4/17/2014	Hazardous Waste (MEK, PCE)	Liquid Waste	850 gallons(10 containers)	12224974	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
4/17/2014	Flammable Liquids	Liquid Waste	1450 gallons(6 containers)	12224975	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
4/17/2014	Flammable Solids	Solid Waste	1400 pounds(2 containers)	12224975	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
4/17/2014	Hazardous Waste (MEK, PCE)	Liquid Waste	1000 gallons(4 containers)	12224975	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.

DISPOSAL FACILITY	ADDRESS
Cycle Chem/Clean Ventures Inc.	550 Industrial Drive, Lewisberry, PA 17339
Cumberland County Landfill (Interstate Waste Services)	135 Vaughn Road, Shippensburg, PA 17257
Envirosafe Services of Ohio	876 Otter Creek Road, Oregon, OH 43616
EQ of Detroit, Inc.	1923 Frederick Street, Detroit, MI 48211
Max Environmental Technologies, Inc.	Road #1, Yukon, PA 15698
Ross Incineration Services, Inc.	36790 Giles Road, Grafton, OH 44044
Suburban Propane	997 N. Pearl Street, Bridgeton, NJ 08302
Tradebe Treatment and Recycling Northeast LLC	136 Gracey Avenue, Meriden, CT 06451
Veolia Environmental Services	125 Factory Lane, Middlesex, NJ 08846
Vickery Environmental, Inc.	3956 State Route 412, Vickery, OH 43464
Tradebe Treatment and Recycling Northeast LLC	136 Gracey Avenue, Meriden, CT 06451
Veolia Environmental Services	125 Factory Lane, Middlesex, NJ 08846
Vickery Environmental, Inc.	3956 State Route 412, Vickery, OH 43464

## **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.

The next subcontract for the removal of additional waste will be awarded in the next operational period. Personnel will continue to prepare containers for disposal and will focus on the removal of waste from the site. T&D will be scheduled following the generation of waste profiles and selection of disposal facilities.

RST will continue working with the on-scene coordinators to generate a comprehensive sampling plan that will specify soil, surface water, ground water, and sediment sampling locations. Sediment sampling may take place first, while vegetation is still relatively sparse.

RST personnel will continue perimeter air monitoring. Additional action items that will be addressed include container destruction, inspection of potentially buried underground storage tanks and drums, and collection of additional multi-media samples.

The site is closed from April 19 – April 27. Twenty-four hour security will be provided during this time frame. Operations will resume on April 28.