U.S. ENVIRONMENTAL PROTECTION AGENCY

Superior Barrel and Drum - Removal Update



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY Region II

Subject: Removal Update

Waste Removal Under Subcontract 3 Continues

Superior Barrel and Drum

Elk, NJ

Latitude: 39.6930670 Longitude: -75.1345550

From: Keith Glenn,

OSC/Environmental Scientist

Date: 5/19/2014

Reporting Period: May 12, 2014 through May 18,

2014

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

Current Activities

Removal operations continued under subcontract 3 for the transport and disposal (T&D) of hazardous waste. Bids for all remaining wastes listed under subcontract 4 were received on May 13, 2014. Personnel continued to prepare materials for removal as well as cut/crush drums and totes. Non-hazardous and hazardous debris are in the process of being segregated into identified areas.

The development of a comprehensive sampling plan also continued with focus on strategies for sampling ground water.

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.

On May 13, 2014 quotes were received for T&D subcontract 4; the removal of all remaining containerized waste located on-site. A number of questions and concerns were generated based on the information provided by the vendors and

companies were given till May 15th to respond. Once received, quote sheets were re-evaluated and changed to represent more accurate costs.

During the operational period, personnel developed an area west of the building for drum crushing and container destruction activities. With the use of an excavator, the drums are being crushed and flattened for easier disposal. All steel totes are being cut prior to crushing for maximizing future disposal space.

On May 13th a subcontract was approved for the disposal of non-hazardous waste and debris, to include personal protective equipment and soiled pallets. The facility is currently being reviewed through the off-site rule process.

On May 15, 2014 a total of 18 containers were transported off-site to an approved disposal facility. The waste, consisting of TCE contaminated liquids and acidic, oxidizing liquids, represents approximately 1,725 gallons of material removed.

During the weekly meeting with the NJDEP case manager, it was requested to determine if the state maintains a program for proper T&D of tires. Approximately 50 tires are located on-site and should be removed for health and safety reasons. NJDEP is reviewing options available.

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

Date Shipped	Waste Stream	Mediu m	Quantity	Manifest #	Treatment	Disposal Facility
1/30/201 4	•	Liquid Wastes	4,500 gallons (37 containers)	012500207	Neutralization, Landfill, Recycling, Incineration	Vickery Environmental, Advanced Disposal (CCL), Environmental Recovery, Heritage- WTI
2/6/2014	Waste Flammable Solid	Solia	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		Solid Wastes	168 gallons (4 containers)	012500266	Neutralization/Stabilization,Landfil	MAX Environmental;Vicker y 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	IA cidic Liquid	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
2/20/201 4	Waste Corrosive, Inorganic, Basic Liquid	Liquid Wastes	1,509 gallons(13 containers)	12500358	Neutralization/ Landfill	Vickery Environmental, Inc and Max Environmental Technologies, Inc.
2/20/201 4	Waste Corrosive, Selenium Contaminated, Inorganic, Basic Liquid	Liquid Wastes	190 gallons (2 containers)	12500358	Neutralization/ Landfill	Max Environmental Technologies, Inc.
2/20/201 4	Waste Corrosive, Lead Contaminated, Inorganic, Basic Liquid	Liquid Wastes	475 gallons (5 containers)	12500358	Neutralization/ Stabilization/ Landfill	Max Environmental Technologies, Inc.
2/20/201 4	Waste Corrosive, Lead Selenium Contaminated, Inorganic, Basic Liquid	Liquid Wastes	190 gallons (2 containers)	12500358	Stabilization/ Landfill	Max Environmental Technologies, Inc.
2/20/201 4	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.
2/20/201 4	Selenium Contaminated Liquid	Liquid Wastes	1,285 gallons (7 containers)	12500358	Neutralization/ Landfill	Max Environmental Technologies, Inc.
2/20/201 4	Waste Corrosive, Organic, Basic Liquid	Liquid Wastes	285 gallons(3 containers)	12500358	Neutralization/ Stabilization/ Landfill	Max Environmental Technologies, Inc.
2/27/201 4	Waste Flammable, Chloroform Contaminated	Liquid Wastes	1270 gallons (10 containers)	12500457	Incineration,Fuel Blending	Ross Incineration Services; Geocycle; Heritage - WTI
2/27/201 4	Benzene Contaminated Liquid	Liquid Wastes	1840 (9 Containers)	12500457	Incineration;Fuel Blending	Ross Incineration Services; Geocycle
2/27/201 4	Waste Corrosive, Organic, Basic Liquid	Liquid Wastes	95 gallons (1 Container)	12500457	Stabilization/Landfill	Max Environmental
2/27/201 4	Lead Contaminated Liquid	Liquid Wastes	250 gallons (1 container)	12500457	Neutralization/Landfill	Max Environmental

2/28/201 4	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
3/20/201 4	Propane	Liquid Propan e	10 cylinders	WO#047270 1	Recycling	Suburban Propane
3/28/201 4	Waste, Flammable Corrosive Acidic Liquid	Liquid Waste	625 gallons (2 containers)	12224910	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
3/28/201 4	Waste, Flammable Chromium and Lead Sludge	Mixed Waste	250 gallons (1 container)	12224910	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
3/28/201 4	Waste, Flammable Lead and Benzene Sludge	Mixed Waste	250 gallons (1 container)	12224910	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
3/28/201 4	Waste, Flammable Liquid	Liquid Waste	250 gallons (1 container)	12224910	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
3/28/201 4	Flammable Paint Related	Liquid Waste	1200 gallons (2 containers)	12224910	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
3/28/201 4	Waste, Flammable Lead Contaminated	Liquid Waste	1250 gallons (5 container)	12224910	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
3/28/201 4	Waste, Flammable Solid	Solid Waste	275 gallons (1 container)	12224910	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
3/28/201 4	Waste, Flammable Corrosive Acidic Resin/Water Mix	Mixed Waste	350 gallons (1 container)	12224910	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
3/28/201 4	Waste, Flammable Corrosive Acidic Resin	Mixed Waste	275 gallons (1 container)	12224910	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
3/28/201 4	Waste, Flammable Solid	Solid Waste	1250 gallons (2 containers)	12224910	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
3/31/201 4	Flammable Corrosive Acidic	Liquid Waste	440 gallons(8 containers)	12224914	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
3/31/201 4	Flammable Corrosive Acidic	Liquid Waste	275 gallons(5 containers)	12224914	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
3/31/201 4	Flammable Corrosive Acidic Resin Sludge	Mixed Waste	110 gallons(2 containers)	12224914	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.

3/31/201			40	12224914		
4	Flammable Liquid, Lab Flash	Liquid Waste	gallons(2 containers)	12224914	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
3/31/201 4	Flammable Corrosive Acidic Resin	Mixed Waste	275 gallons(5 containers)	12224914	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
3/31/201 4	Flammable Corrosive Acidic	Liquid Waste	660 gallons(12 containers)	12224914	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
3/31/201 4	Flammable Corrosive Acidic Resin/Water Mix	Mixed Waste	165 gallons(3 containers)	12224914	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
3/31/201 4	Flammable Corrosive Acidic Resin Sludge	Mixed Waste	110 gallons(2 containers)	12224914	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
3/31/201 4	Flammable Corrosive Basic Inorganic/Organi c Mix	Liquid Waste	55 gallons(1 container)	12224914	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
3/31/201 4	Flammable Paint Related	Liquid Waste	216 gallons(10 containers)	12224914	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
3/31/201 4	Flammable Lead Contaminated	Liquid Waste	40 gallons(2 containers)	12224914	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
3/31/201 4	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			425	12224943		
17 07 20 1 1	Flammable Paint Related Material	Liquid Waste	gallons(5 containers)	1222 10 10	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
4/3/2014		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	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 Propan e	3 cylinders	WO#047270 9	Recycling	Suburban Propane
4/9/2014		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		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)		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.

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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.
4/10/201 4	Flammable Chromium, Lead and Chloroform Contaminated Liquid/Water Mixture	Liquid Waste	2800 gallons (45 containers)	12224950	Fuel Blending (Proposed)	Veolia Environmental Services
4/14/201 4	Flammable Chromium, Benzene, Lead Contaminated Liquid	Liquid Waste	3531 gallons(36 containers)	12224949	Fuel Blending (Proposed)	Veolia Environmental Services
4/16/201 4	Flammable Chromium, Benzene, Lead Contaminated Liquid	Liquid Waste	3416 gallons(24 containers)	12224978	Fuel Blending (Proposed)	Veolia Environmental Services
4/17/201 4	Flammable Liquids	Liquid Waste	255 gallons(3 containers)	12224974	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
4/17/201 4	Flammable Solids	Solid Waste	8700 pounds(29 containers)	12224974	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
4/17/201 4	Flammable Liquids	Liquid Waste	595 gallons(7 containers)	12224974	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
4/17/201 4	Flammable Resins and Paint	Solid Waste	1200 pounds(4 containers)	12224974	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
4/17/201 4	Hazardous Waste (MEK, PCE)	Liquid Waste	850 gallons(10 containers)	12224974	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
4/17/201 4	Flammable Liquids	Liquid Waste	1450 gallons(6 containers)	12224975	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
4/17/201 4	Flammable Solids	Solid Waste	1400 pounds(2 containers)	12224975	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
4/17/201 4	Hazardous Waste (MEK, PCE)	Liquid Waste	1000 gallons(4 containers)	12224975	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
5/7/2014	Flammable, Corrosive Basic Liquid	Liquid Waste	2605 gallons (24 containers)	12264559	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
5/7/2014	Flammable, Corrosive Acidic Liquid	Liquid Waste	1195 gallons (13 containers)	12264559	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.
5/7/2014	Flammable Paint- Related Material	Liquid Waste	880 gallons (9 containers)	12264559	Fuel Blending (Proposed)	Cycle Chem/Clean Ventures Inc.

5/8/2014			3905	12264560	Fuel Blending (Proposed)	Cycle Chem/Clean	
5/0/2014	Flammable	Liquid	gallons (34	12204300	r der blending (Floposed)	Ventures Inc.	
	Liquid	Waste	containers)			ventures inc.	
5/8/2014	Flammable		875 gallons	12264560	Fuel Blending (Proposed)	Cycle Chem/Clean	
5/0/2014	Liquid (Water-	Liquid	(7	1220-300	r der bieriding (r roposed)	Ventures Inc.	
	Reactive)	Waste	containers)			V GIRTAGO IIIO.	
5/8/2014	1		670 gallons	12264560	Fuel Blending (Proposed)	Cycle Chem/Clean	
0, 0, 0 0	Flammable Solid	Solid	(4		The second of the second	Ventures Inc.	
	and Debris	Waste	containers)				
5/15/201	Flammable	I dan dal	425 gallons	12264585	Fuel Blending (Proposed)	Cycle Chem/Clean	
4	Liquids,	Liquid	(5			Ventures Inc.	
	Corrosive	Waste	containers)				
5/15/201	Flammable	Liquid	250 gallons	12264585	Fuel Blending (Proposed)	Cycle Chem/Clean	
4	Liquids,	Waste	(1			Ventures Inc.	
	Corrosive	waste	container)				
5/15/201		Liquid	850 gallons	12264585	Fuel Blending (Proposed)	Cycle Chem/Clean	
4	Hazardous	Waste	(10			Ventures Inc.	
	Waste (TCE)		containers)				
5/15/201		Liquid	500 gallons	12264585	Fuel Blending (Proposed)	Cycle Chem/Clean	
4	Hazardous	Waste	(2			Ventures Inc.	
	Waste (TCE)		containers)				
	SAL FACILITY				ADDRESS		
	hem/Clean Venture				550 Industrial Drive, Lewisberry, PA 17339		
	and County Landfi		tate Waste S	Services)	135 Vaughn Road, Shippensburg, PA 17257		
	fe Services of Ohi	0			876 Otter Creek Road, Oregon, OH 43616		
	etroit, Inc.				1923 Frederick Street, Detroit, MI 48211		
Heritage				1250 St. George Street, East Liverpool, OH 43920			
	vironmental Techno		Inc.	Road #1, Yukon, PA 15698			
	cineration Services	, Inc.		36790 Giles Road, Grafton, OH 44044			
	n Propane			997 N. Pearl Street, Bridgeton, NJ 08302			
	Treatment and Ro		Northeast LL	_C	136 Gracey Avenue, Meriden, CT 06451		
	nvironmental Serv				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.

ERRS will continue to stage and prepare containers identified for removal under T&D subcontract 3. These containers will be removed in the following operational period. Additionally, all empty containers will be cut or crushed in preparation for disposal. Local metal recycling companies will be contacted to determine options for removal of non-contaminated metal.

The T&D of all remaining containerized waste will be approved by the contracting officer and awarded to a vendor. Profile sheets will be generated and potential disposal facilities will be reviewed through the off-site rule process. This is the last subcontract for T&D of containerized wastes. Removal of wastes under T&D subcontract 4 will commence on or around May 27th.

The sampling design for ground water and additional soil samples will continue to be developed. RST personnel will continue perimeter air monitoring.

Issues

Severe weather hit the Glassboro, NJ area on May 16^{th} causing significant rainfall, thunderstorms and localized flooding. As a result, site operations were reduced.