U.S. ENVIRONMENTAL PROTECTION AGENCY

Superior Barrel and Drum - Removal Update

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region II

Subject: Removal Update
Flammable Composite Sample Collected
Superior Barrel and Drum
Elk, NJ
Latitude: 39.6930670 Longitude: -75.1345550

From:	Keith Glenn, OSC/Environmental Scientist
Date:	12/8/2013
Reporting Period:	November 25, 2013 through December 8, 2013

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

Current Activities

Crews returned from the holiday break this operational period. Activities focused on the construction of the warming cells located inside the existing structure. Additionally, crews continued to move containers into appropriately designated areas throughout the property. One composite sample was collected of flammable materials.

The 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 December 2, 2013 all EPA, ERRS, and RST personnel returned to the site following the week-long holiday break. Due to heavy winds and rain during the time of closure, housekeeping activities such as

replacing drum tops was conducted. Crews continued to move totes and drums out of the building in preparation for construction of the warming cells. Additional funding was allocated to the ERRS contractor for mitigation activities.

Construction activities commenced on December 4, 2013 on the warming cells. Two rooms are being designed, one for the field laboratory and another for bulking and transfer practices. The larger room will be able to process approximately 100 drums at a time.

On December 5, 2013 chemists selected a group of flammable materials for collecting a composite sample. Materials were measured and combined in a larger container while the bulked liquid was viewed for any reactions. The composite was held under vigilance for over 24 hours to ensure no adverse reactions occurred. The sample was delivered to the laboratory on December 6, 2013.

Analytical results from the first composite samples were received on December 5, 2013.

Chemists prepared for the bulking of acid (A1) waste stream on December 6, 2013.

Progress Metrics

Waste Stream	Sub-Class	Composite Samples Collected
Neutral		
	N1	1
	N2	0
	N3	1
	N4	0
	N5	0
	N6	0
	N7	0
FLAMMABLE		
	F1	1
	F2	0
	F3	0
	F4	0
	F5	0
	F6	0
	F7	0
	F8	0

Anticipated Activities

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

During the next operational period personnel will continue to construct the warming cells for the field laboratory and bulking room. Containers will continue to be moved into areas designated by waste stream. Composite samples will continue to be collected. Analytical data will continue to be reviewed.

Planned Response Activities

During the next operational period field crews will continue to segregate materials into appropriately designated areas based on hazard class. This will create a more organized operation.

Field chemists and T&D coordinators will continue to develop the bulking schemes based on waste class. Personnel are focused with the neutral liquids as a primary means of establishing operational protocols. Once identified, small amounts of container content will be combined in the on-site laboratory

and monitored for any reactions. If confirmed that no reactions have occurred, the composite sample will be sent to the laboratory and analyzed for a host of hazardous parameters. These results will aid in the proper disposal of materials.

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