

Parish Chemical Site
Vineyard, UT
Progress Report # 8
02/10/14 - 02/24/14

The current effort, many of which are ongoing, will include, but not be limited to the following activities:

- Inspecting the Site to verify the integrity of facility
- Determining the volumes of hazardous substances
- Segregating incompatible chemicals and establishing proper storage issues throughout the Site
- Hazard categorizing known and unknown products, intermediates and wastes
- Transferring the contents of tanks and drums for bulk waste shipments
- Transporting manifested wastes for disposal
- Decontaminating the Parish facility and equipment as necessary to prevent further release of hazardous substances;

Current Activities

During the time period covered by the report, February 10 to 24, 2014, the following site activities were conducted:

- START is sampling 100% of drums for waste characterization due to inconsistencies found in prior 20% sampling of labeled drums.
- ERRS continued segregating waste streams, marking identified drums, segregating drums according to compatible waste characteristics, supporting START sampling activities, and organizing the site.
- ERRS continued to stage characterized wastes streams in areas at the north and south areas of the site.
- START continuing to perform waste characterization on sampled containers for waste stream categorization. To date START has sampled and categorized 1727 drum yard samples and 230 sample containers from the Analytical Laboratory.
- START prepared four composite samples, all liquid waste streams for which supplemental lab data was needed. These samples were collected from 3 waste streams contained in 300-gallon totes. The fourth composite sample was collected as a field duplicate for quality assurance purposes. Four composite tote samples were submitted for Toxicity Characteristic Leaching Procedure, Volatile Organic Compounds, Semi Volatile Organic Compounds, and Heavy Metals (TCLP / VOC /SVOC / Metals) analysis to the subcontract laboratory on February 19.
- ERRS staged waste streams outdoors, and during inclement (cold) weather, indoors in preparation for sampling. 12 Frozen Totes were thawed inside the production area of the plant. When thawed, START sampled the sets.

- START continued hazclassing containers from the Analytical Laboratory at the plant during time periods when outdoor containers were being thawed inside the shop.
- ERRS conducted a Mercury vapor survey of the entire Parish Chemical building. No readings were above TLV / PEL / TWA for Mercury vapor during the area surveys. The only recorded readings were upon opening of waste staging receptacles containing Mercury.

Data Management

START implemented the USEPA Response Manager (RM) software to manage waste, hazcatting, and disposal data for the Site work. The current status of RM at the site is:

- RM is being used to record hazardous waste disposal information for materials on-site in real-time.
- Container and waste characterization information is being recorded and reported utilizing a Filemaker pro app on a tablet (iPad). The data is being exported and readily accessible for importation into RM. A server has been used to copy the characterization / container database on the iPad to an offsite, project-specific ftp site for daily archiving.
- As of February 25, ERRS has identified 42 waste-streams from characterization and have scheduled 14 shipments for disposal, 10 of which have been manifested and shipped offsite.

Disposition of Wastes

As of February 25, 10 shipments containing 154 drums and 11 totes of various regulated materials have been manifested and shipped offsite, totaling 12,100 gallons.

A number of waste streams have been identified, including non-flammable halogenated solvents (methylene chloride), flammable solvents, flammable and non-flammable corrosive liquid acids, and Oxidizers (solid and liquid). The following tables present the waste streams identified as of February 24 which have been shipped, which awarded for disposal and are awaiting pickup, and which are out for bid by ERRS.

Manifested & Shipped

Waste Stream	Quantity	Container	Location	Gallons
UN 2922, Waste Corrosive Liquids, Toxic, n.o.s.	56	Drum	Outside Yard	3080
UN 2924, Waste Flammable Liquids, Corrosive, n.o.s.	27	Drum	Outside Yard	1485
UN 1993, Waste Flammable Liquids, n.o.s.	24	Drum	Outside Yard	1320
UN 1993, Waste Flammable Liquids, n.o.s.	11	Tote	Outside Yard	3630
NA 3082, Hazardous Waste, Liquid, n.o.s.	5	Drum	Outside Yard	275
UN 1454, Waste Calcium Nitrate	2	Drum	Outside Yard	110
UN 1791, Waste Hypochlorite Solutions	2	Drum	Outside Yard	110
UN 1593, Waste Dichloromethane	22	Drum	Outside Yard	1210
NA 1993, Waste Combustible Liquid, n.o.s.	11	Drum	Outside Yard	605
NA 1993, Combustible Liquid, n.o.s.	5	Drum	Outside Yard	275

Awarded, Awaiting Pickup

Waste Stream	Quantity	Container	Location	Gallons
UN 1593, Waste Dichloromethane	2	Drum	Outside Yard	110
UN 3139, Oxidizing Liquid, n.o.s.	2	Drum	Outside Yard	110
UN 3098, Oxidizing Liquid, Corrosive, n.o.s.	1	Drum	Outside Yard	55
Non-DOT/RCRA regulated solids	3	Drum	Outside Yard	165
UN 2014, Hydrogen Peroxide	1	Drum	Outside Yard	55
UN 1486, Potassium Nitrate	1	Drum	Outside Yard	55
UN 1916, Dichlorodiethyl ether	4	Drum	Outside Yard	220
UN 2023, Epichlorohydrin	2	Drum	Outside Yard	110
NA 1993, Combustible Liquid, n.o.s.	1	Drum	Outside Yard	55
UN 2018, Chloroanilines	1	Drum	Outside Yard	55
UN 2668, Chloroacetonitrile	1	Drum	Outside Yard	55
UN 2922, Corrosive Liquids, Toxic	1	Drum	Outside Yard	55
UN 3246, Methanesulfonyl Chloride	4	Drum	Outside Yard	220
UN 2922, Corrosive Liquids, Toxic	2	Overpack	Outside Yard	170

Shipment 3 - RFQ Out for Bid

Waste Stream	Quantity	Container	Location	Gallons
Non-DOT/RCRA Regulated Liquid	88	Drum	Outside Yard	4840
Non-DOT/RCRA Regulated Liquid	3	Overpack	Outside Yard	255
Non-DOT/RCRA Regulated Liquid	3	Tote	Outside Yard	990
Non-DOT/RCRA regulated solids	14	Drum	Outside Yard	770
UN 1325, Flammable Solids, organic, n.o.s.	7	Drum	Outside Yard	385
UN 1992, Flammable Liquid, Toxic, n.o.s.	15	Drum	Outside Yard	825
UN 1993, Flammable Liquids, n.o.s.	103	Drum	Outside Yard	5665
UN 1993, Flammable Liquids, n.o.s.	1	Overpack	Outside Yard	85
UN 1993, Flammable Liquids, n.o.s.	3	Tote	Outside Yard	990
UN 3139, Oxidizing Liquid, n.o.s.	17	Drum	Outside Yard	935
UN 3139, Oxidizing Liquid, n.o.s.	1	Tote	Outside Yard	330
UN 3264, Corrosive Liquid, Acidic, Inorganic, n.o.s.	9	Drum	Outside Yard	495
UN 3264, Corrosive Liquid, Acidic, Inorganic, n.o.s.	1	Tote	Outside Yard	330
UN 1120, Butanols	139	Drum	Outside Yard	7645
UN 1120, Butanols	4	Overpack	Outside Yard	340
UN 3098, Oxidizing Liquid, Corrosive, n.o.s.	8	Drum	Outside Yard	440
UN 3266, Corrosive Liquid, Basic, Inorganic, n.o.s.	4	Drum	Outside Yard	220

NA 1993, Combustible Liquid, n.o.s.	8	Drum	Outside Yard	440
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Site Photos
02/10/14 – 02/24/14



Analytical Lab-container staging area



Lab packed drum discovered in Drum Yard (1/5)



Totes being thawed for sampling in warehouse



START sampling unknown drums in Level B PPE

