

Parish Chemical Site
Vineyard, UT
Progress Report # 13
04/21/14 - 05/04/14

The current efforts, 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, April 21 to May 4, 2014, the following site activities were conducted:

- START sampled the sumps under the R&D lab and Production Area and sent samples to ALS for analytical data.
- START sampled a sump found outside on the northwest corner of the building as well as 7 samples from the mezzanine.
- START continued to Hazcat samples from the R&D lab and completed samples from the mezzanine level.
- START completed hazcating containers from the five previously lab packed drums.
- ERRS continued segregating waste streams, marking identified drums, segregating drums according to compatible waste characteristics, supporting START sampling activities, lab packing drums and organizing the site.
- ERRS continued to stage characterized wastes streams in areas at the north and south areas of the site.
- ERRS began to lab pack the stockroom. Estimated 60% complete.
- START continued to perform waste characterization on sampled containers for waste stream categorization. To date, START has sampled and categorized 1,886 drum yard samples, 2,014 small containers from the laboratories five production area samples and seven samples from the mezzanine.

Data Management

START implemented the USEPA Response Manager (RM) software to manage waste, hazcating, 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 May 4, 2014, ERRS has identified 67 waste-streams from characterization
- As of May 4, 2014, six disposal groups have been partially manifested and shipped offsite, three disposal groups have been completely manifested and shipped offsite, two disposal groups (and five partials) have been awarded and are awaiting disposal, and one disposal group is out for bid.

Disposition of Wastes

As of May 4, 2014, 1,010 drums and 42 totes of assorted regulated materials have been manifested and shipped offsite, totaling 65,660 gallons. One shipment is scheduled for pick-up the week of May 5, 2014.

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 April 6, 2014, which have been shipped, were awarded for disposal and are awaiting pickup, and which are out for bid by ERRS.

Containers Removed from Site (Most of TD1 and TD2, Parts of TD3, TD6, TD7, TD10; all of TD4, TD5, TD8)

Waste Stream	Quantity	Container Type
UN 1090, Acetone	5	Drum
UN 1120, Butanols	6	Drum
UN 1454, Calcium Nitrate	2	Drum
UN 2668, Chloroacetonitrile	1	Drum
UN 2018, Chloroanilines	1	Drum
NA 1993, Combustible Liquid, n.o.s.	21	Drum
NA 1993, Combustible Liquid, n.o.s.	5	Drum
UN 3264, Corrosive Liquid, Acidic, Inorganic, n.o.s.	86	Drum
UN 3264, Corrosive Liquid, Acidic, Inorganic, n.o.s.	8	Overpack
UN 3265, Corrosive Liquid, Acidic, Organic, n.o.s.	41	Drum
UN 3266, Corrosive Liquid, Basic, Inorganic, n.o.s.	6	Drum
UN 3266, Corrosive Liquid, Basic, Inorganic, n.o.s.	1	Overpack
UN 3266, Corrosive Liquids, Basic, Inorganic, n.o.s.	1	Tote
UN 3267, Corrosive Liquid, Basic, Organic, n.o.s.	2	Drum
UN 3267, Corrosive Liquid, Basic, Organic, n.o.s.	2	Tote
UN 2922, Corrosive Liquids, Toxic, n.o.s.	56	Drum
UN 1148, Diacetone Alcohol	1	Drum
UN 1916, Dichlorodiethyl Ether	4	Drum
UN 1593, Dichloromethane	22	Drum
UN 2023, Epichlorohydrin	2	Drum
UN 2924, Flammable Liquids, Corrosive, n.o.s.	65	Drum
UN 1993, Flammable Liquids, n.o.s.	190	Drum
UN 1993, Flammable Liquids, n.o.s.	4	Overpack
UN 1993, Flammable Liquids, n.o.s.	15	Tote
NA 3082, Hazardous Waste, Liquid, n.o.s.	150	Drum
NA 3082, Hazardous Waste, Liquid, n.o.s.	4	Overpack
UN 1788, Hydrobromic Acid	2	Drum
UN 2014, Hydrogen Peroxide	1	Drum
UN 1791, Hypochlorite Solutions	10	Drum
UN 3246, Methanesulfonyl Chloride	4	Drum
Non-DOT/RCRA Regulated Liquid	167	Drum
Non-DOT/RCRA Regulated Liquid	52	Drum

Non-DOT/RCRA Regulated Liquid	15	Tote
Non-DOT/RCRA Regulated Solids	21	Drum
UN 3139, Oxidizing Liquid, n.o.s.	42	Drum
UN 3139, Oxidizing Liquid, n.o.s.	1	Overpack
UN 3139, Oxidizing Liquid, n.o.s.	1	Tote
UN 3098, Oxidizing Liquid, Corrosive, n.o.s.	16	Drum
UN 1479, Oxidizing Solids, n.o.s.	4	Drum
UN 1805, Phosphoric Acid	2	Drum
UN 1486, Potassium Nitrate	1	Drum
UN 2796, Sulfuric Acid	1	Drum
UN 2810, Toxic Liquids, Organic, n.o.s.	2	Drum
UN2383, Dipropylamine	1	Drum
UN2811, Toxic Solid Organic	1	Drum
UN1618, Acetonitrile	4	Drum
UN2387, Fluorobenze	1	Drum
UN1105, Pentanols	1	Drum
UN3295, Hydrocarbons, liquid	1	Drum

Awarded, Awaiting Pickup (Miscellaneous drums from TD1, TD2, TD3, TD6, TD7; all of TD9, TD10)

Waste Stream	Quantity	Container Type
UN 2218, Acrylic Acid	1	Drum
NA 1993, Combustible Liquids, n.o.s.	11	Drum
NA 1993, Combustible Liquids, n.o.s.	1	Overpack
NA 1993, Combustible Liquids, n.o.s.	1	Tank
NA 1993, Combustible Liquids, n.o.s.	1	Tote
UN 3264, Corrosive Liquids, Acidic, Inorganic, n.o.s.	7	Drum
UN 3264, Corrosive Liquids, Acidic, Inorganic, n.o.s.	9	Tote
UN 3266, Corrosive Liquids, Basic, Inorganic, n.o.s.	6	Drum
UN 3266, Corrosive Liquids, Basic, Inorganic, n.o.s.	2	Overpack
UN 3267, Corrosive Liquids, Basic, Organic, n.o.s.	1	Tote
UN 2922, Corrosive Liquid, Toxic, n.o.s.	1	Drum
UN 2922, Corrosive Liquid, Toxic, n.o.s.	2	Overpack
UN 1593, Dichloromethane	2	Drum
UN 1155, Diethyl Ether	1	Drum
UN 2383, Dipropylamine	1	Drum
UN 1170, Ethanol	1	Drum
UN 1993, Flammable Liquid, n.o.s.	4	Drum
UN 1993, Flammable Liquid, n.o.s.	1	Overpack
UN 1993, Flammable Liquid, n.o.s.	11	Tote
UN 1992, Flammable Liquid, Toxic, n.o.s.	11	Drum

UN 1992, Flammable Liquid, Toxic, n.o.s.	5	Overpack
UN 1325, Flammable Solid, Organic, n.o.s.	7	Drum
UN 1325, Flammable Solid, Organic, n.o.s.	1	Tote
UN 1208, Hexanes	1	Drum
Un 1208, Hexanes	1	Tote
UN 3295, Hydrocarbons, liquid, n.o.s.	1	Drum
UN 1230, Methanol	2	Tote
Non-DOT/RCRA Regulated Liquid	39	Drum
Non-DOT/RCRA Regulated Liquid	5	Overpack
Non-DOT/RCRA Regulated Liquid	1	Tank
Non-DOT/RCRA Regulated Liquid	40	Tote
Non-DOT/RCRA Regulated Solid	90	Drum
Non-DOT/RCRA Regulated Solid	9	Overpack
Non-DOT/RCRA Regulated Solid	2	Tote
UN 3139, Oxidizing Liquid, n.o.s.	1	Tank
UN 3139, Oxidizing Liquid, n.o.s.	5	Tote
UN 3139, Oxidizing Liquid, n.o.s.	6	Drum
UN 3098, Oxidizing Liquid, Corrosive, n.o.s.	2	Drum
UN 3098, Oxidizing Liquid, Corrosive, n.o.s.	3	Tank

RFQ Out for Bid (TD11)		
Waste Stream	Quantity	Container Type
UN 2789, Acetic Acid, Glacial	1	Drum
UN 1715, Acetic Anhydride	1	Drum
UN 2218, Acrylic Acid	1	Drum
UN 2346, Butanedione	1	Drum
UN 1120, Butanols	1	Drum
UN 3409, Chloronitrobenzene, Liquid	2	Drum
NA 1993, Combustible Liquid, n.o.s.	13	Drum
UN 3264, Corrosive Liquid, Acidic, Inorganic, n.o.s.	6	Drum
UN 1759, Corrosive Solids, n.o.s.	4	Overpack
UN 2265, N,N-Dimethylformamide	2	Drum
UN 1193, Ethyl Methyl Ketone	1	Drum
UN 1993, Flammable Liquids, n.o.s.	6	Drum
UN 2924, Flammable Liquids, Corrosive, n.o.s.	2	Drum
UN 2924, Flammable Liquids, Corrosive, n.o.s.	2	Overpack
UN 2209, Formaldehyde	5	Drum
UN 1206, Heptanes	1	Drum
UN 3293, Hydrazine, aqueous solution	3	Drum
UN 1235, Methylamine, Aqueous Solution	2	Drum

Non-DOT/RCRA Regulated Liquid	3	Drum
UN 3098, Oxidizing Liquid, Corrosive, n.o.s.	6	Drum
UN 3139, Oxidizing Liquid, n.o.s.	4	Drum
UN 1479, Oxidizing Solids, n.o.s.	2	Drum
UN 2821, Phenol Solutions	1	Drum
UN 1296, Triethylamine	3	Drum

Site Photos
04/21/14 – 05/4/14



Lab glass to be sampled as ERRS is sorting through small containers.



ERRS loading TD10 into a truck for disposal offsite.



ERRS responding to a leaking drum.



ERRS lab packing containers from the Stockroom.