

**Parish Chemical Site**  
**Vineyard, UT**  
**Progress Report # 9**  
**02/24/14 - 03/10/14**

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 24, 2014, to March 10, 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 1863 drum yard samples and 230 sample containers from the Analytical Laboratory.
- START received analytical results for four composite samples for Toxicity Characteristic Leaching Procedure, Volatile Organic Compounds, Semi Volatile Organic Compounds, and Heavy Metals (TCLP / VOC /SVOC / Metals) analysis. These samples were imported into the site Scribe database and distributed to ERRS.
- START re-sampled one container to confirm previous irregular HazCat results, preformed flash point testing on 2 samples, and sampled 7 containers which were previously frozen or could not be sampled due to container opening. ERRS provided support in modifying container openings to allow for sampling.
- START sampled and preformed HazCat analysis on 1794 drums and 69 5-gallon pails from the drum yard, completing all sampling and analysis of the drum yard.

## 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 onsite 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 March 10, 2014, ERRS has identified 39 waste-streams from characterization and have scheduled 5 disposal groups for disposal, 2 of which have been partially manifested and shipped offsite. The remaining 3 disposal groups and remaining portions of the 2 shipped disposal groups are scheduled to be removed from site by March 21, 2014.

## Disposition of Wastes

As of March 10, 2014, 154 drums and 11 totes of various regulated materials have been manifested and shipped offsite, totaling 11,495 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 March 10, 2014, which have been shipped, which awarded for disposal and are awaiting pickup, and which are out for bid by ERRS.

**Containers Removed from Site**

<b>Waste Stream</b>	<b>Quantity</b>	<b>Container</b>	<b>Location</b>	<b>Gallons</b>
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	3025
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 (Miscellaneous drums from TD1 and TD2; all of TD3, TD4, TD5, TD6, TD8)**

<b>Waste Stream</b>	<b>Quantity</b>	<b>Container</b>	<b>Location</b>	<b>Gallons</b>
UN 2790, Acetic Acid Solution	12	Drum	Outside Yard	660
UN 2790, Acetic Acid Solution	15	Tote	Outside Yard	4125
UN 1090, Acetone	5	Drum	Outside Yard	275
UN 2218, Acrylic Acid	1	Drum	Outside Yard	55
UN 1120, Butanols	145	Drum	Outside Yard	7975
UN 1120, Butanols	4	Overpack	Outside Yard	340
UN 2668, Chloroacetonitrile	1	Drum	Outside Yard	55
UN 2018, Chloroanilines	1	Drum	Outside Yard	55
NA 1993, Combustible Liquid, n.o.s.	28	Drum	Outside Yard	1540
UN 3264, Corrosive Liquid, Acidic, Inorganic, n.o.s.	91	Drum	Outside Yard	5005
UN 3264, Corrosive Liquid, Acidic, Inorganic, n.o.s.	1	Tote	Outside Yard	275
UN 3265, Corrosive Liquid, Acidic, Organic, n.o.s.	34	Drum	Outside Yard	1870
UN 3266, Corrosive Liquid, Basic, Inorganic, n.o.s.	9	Drum	Outside Yard	495
UN 3267, Corrosive Liquid, Basic, Organic, n.o.s.	2	Drum	Outside Yard	110
UN 2922, Corrosive Liquids, Toxic	1	Drum	Outside Yard	55
UN 2922, Corrosive Liquids, Toxic	2	Overpack	Outside Yard	170
UN 1148, Diacetone Alcohol	1	Drum	Outside Yard	55
UN 1916, Dichlorodiethyl Ether	4	Drum	Outside Yard	220
UN 2023, Epichlorohydrin	2	Drum	Outside Yard	110
UN 1993, Flammable Liquids, n.o.s.	166	Drum	Outside Yard	9130
UN 1993, Flammable Liquids, n.o.s.	3	Overpack	Outside Yard	255
UN 1993, Flammable Liquids, n.o.s.	4	Tote	Outside Yard	1100
UN 2924, Flammable Liquids, Corrosive, n.o.s.	36	Drum	Outside Yard	1980
UN 1992, Flammable Liquid, Toxic, n.o.s.	15	Drum	Outside Yard	825
UN 1325, Flammable Solids, Organic, n.o.s.	7	Drum	Outside Yard	385
UN 1788, Hydrobromic Acid	2	Drum	Outside Yard	110
UN 2014, Hydrogen Peroxide	1	Drum	Outside Yard	55
UN 3246, Methanesulfonyl Chloride	4	Drum	Outside Yard	220
Non-DOT/RCRA Regulated Liquid	107	Drum	Outside Yard	5885
Non-DOT/RCRA Regulated Liquid	3	Overpack	Outside Yard	255

**Awarded, Awaiting Pickup (Miscellaneous drums from TD1 and TD2; all of TD3, TD4, TD5, TD6, TD8)**

Non-DOT/RCRA Regulated Liquid	3	Tote	Outside Yard	825
Non-DOT/RCRA Regulated Solids	23	Drum	Outside Yard	1265
UN 3139, Oxidizing Liquid, n.o.s.	22	Drum	Outside Yard	1210
UN 3139, Oxidizing Liquid, n.o.s.	1	Overpack	Outside Yard	85
UN 3139, Oxidizing Liquid, n.o.s.	1	Tote	Outside Yard	275
UN 3098, Oxidizing Liquid, Corrosive, n.o.s.	29	Drum	Outside Yard	1595
UN 1805, Phosphoric Acid	2	Drum	Outside Yard	110
UN 1486, Potassium Nitrate	1	Drum	Outside Yard	55
UN 2796, Sulfuric Acid	1	Drum	Outside Yard	55
UN 1593, Waste Dichloromethane	2	Drum	Outside Yard	110

**RFQ Out for Bid (TD7)**

<b>Waste Stream</b>	<b>Quantity</b>	<b>Container</b>	<b>Location</b>	<b>Gallons</b>
NA 1993, Combustible Liquid, n.o.s.	5	Drum	Outside Yard	275
NA 1993, Combustible Liquid, n.o.s.	1	Overpack	Outside Yard	85
UN 3264, Corrosive Liquid, Acidic, Inorganic, n.o.s.	4	Drum	Outside Yard	220
UN 3264, Corrosive Liquid, Acidic, Inorganic, n.o.s.	1	Overpack	Outside Yard	85
UN 3266, Corrosive Liquid, Basic, Inorganic, n.o.s.	1	Drum	Outside Yard	55
UN 3266, Corrosive Liquid, Basic, Inorganic, n.o.s.	1	Overpack	Outside Yard	85
UN 1993, Flammable Liquids, n.o.s.	1	Drum	Outside Yard	55
UN 1993, Flammable Liquids, n.o.s.	1	Overpack	Outside Yard	85
UN 1993, Flammable Liquids, n.o.s.	1	Tote	Outside Yard	275
Non-DOT/RCRA Regulated Liquid	33	Drum	Outside Yard	1815
Non-DOT/RCRA Regulated Liquid	2	Overpack	Outside Yard	170
Non-DOT/RCRA Regulated Liquid	2	Tote	Outside Yard	550
UN 3139, Oxidizing Liquid, n.o.s.	13	Drum	Outside Yard	715
UN 3139, Oxidizing Liquid, n.o.s.	1	Tote	Outside Yard	275
UN 3098, Oxidizing Liquid, Corrosive, n.o.s.	2	Drum	Outside Yard	110
Non-DOT/RCRA Regulated Solids	80	Drum	Outside Yard	4400
Non-DOT/RCRA Regulated Solids	15	Overpack	Outside Yard	1275
UN 3262, Corrosive Solid, Basic, Inorganic, n.o.s.	2	Drum	Outside Yard	110
UN 1479, Oxidizing Solids, n.o.s.	3	Drum	Outside Yard	165
UN 1479, Oxidizing Solids, n.o.s.	1	Overpack	Outside Yard	85

Site Photos  
02/24/14 – 03/10/14



Analytical Lab-container staging area



Buckets sampled from the Drum Yard



ERRS moving drums to prep disposal groups



START sampling thawed and cut open drums in Level C PPE