

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Traylor Chemicals Site - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject: POLREP #13
Progress
Traylor Chemicals Site
C5P8
Royal Center, IN
Latitude: 40.8593780 Longitude: -85.6003340

To: Charlie Gebien, U.S. EPA
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Steven Yearly, IDEM
Ken McDaniel, IDEM
Dave Arnold, Cass County
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Christy Householder, Cass County
USCG PolRep Distribution, USCG

From: Anita L. Boseman, On-Scene Coordinator

Date: 3/29/2014

Reporting Period: 3/24/14 to 3/27/14

1. Introduction

1.1 Background

Site Number:	C5P8	Contract Number:	EP-S5-09-05
D.O. Number:	0137	Action Memo Date:	9/23/2013
Response Authority:	CERCLA	Response Type:	Time-Critical
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	00
Mobilization Date:	11/12/2013	Start Date:	11/7/2013
Demob Date:		Completion Date:	
CERCLIS ID:	INN 000 510 934	RCRIS ID:	
ERNS No.:		State Notification:	
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category

Abandon Commerical Fertilizer Manufacturing Facility

1.1.2 Site Description

See POLREP 1

1.1.2.1 Location

126 North Market Street, Royal Center, Cass County, Indiana 46978

1.1.2.2 Description of Threat

The contaminants of concern at the Site include fertilizer manufacturing-related chemicals and unknown

contaminants that are present in totes, drums, small containers, and/or other miscellaneous containers at the Site.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

On May 27, 2011, City of Royal Center conducted a site reconnaissance. During the City of Royal Center site reconnaissance, a number of containers/materials were found throughout the former fertilizer chemical manufacturing facility. Chemical container labels observed during the initial City of Royal Center site reconnaissance included: sulfate potash, zinc chelate, zinc sulfate, aluminum sulfate, copper sulfate, magnesium sulfate anhydrous, zinc sulfate monohydrate, soluble potash, ferrous sulfate, potassium nitrate, ferrous sulfate heptahydrate, potassium carbonate, liquid zinc, liquid boron, liquid calcium, copper chelate, zinc ammonium complex, fuming acid, sulfuric acid, and potassium bisulfate.

On November 21, 2012, the United States Environmental Protection Agency (EPA) received a request from the Indiana Department of Environmental Management (IDEM) to conduct an assessment of the Site.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

See POLREP 1

2.1.2 Response Actions to Date

From March, 24- 27, 2014 the following tasks were completed:

- U.S. EPA, START, and ER arrived at the Site on March 24, 2014
- Demolished empty tote cages
- Collected empty totes, drums, and duct work from outside building and demolished
- Completed cleaning pit #138
- Continued disposal of Non-Haz roll-off
- Re-filled empty roll-off with tote pallets and floor sweeping boxes
- Transferred contents from tank #141 and transport to EQ Detroit for disposal – 4,500 gallons removed, 1000 gallons of sludge remaining in tank
- Power washed south containment in Area #4
- Poured off pallet #182 into tote 182A
- 2 full Non-Hazardous Roll-off boxes were disposed of and returned to site
- Scraped and cleaned floor next to office in Area #4
- Swept north containment in Area #4
- Loaded Roll-off box with Non-Hazardous debris
- Consolidated drums of tank sludge in area #4 – composite sample collected approximately 40 drums
- Removed heavy sludge and solids from tank #141 – transferred to totes 141A, 141B, 141C, and drums 141D, 141E, 141F, 141G, 141H
- Power washed tank #141
- Cleaned Area #4 containment
- Transferred acid to DOT shippable containers
- Delivered 5 samples to lab for waste profile
- Clear pour off debris from Area #4
- Housekeeping/ swept floors
- Re-filled Roll-off Box
- Continued to air monitor site building for CO, O2, H2S, LEL, VOC, & NH3, and particulates
- Site activities during the week were performed in level D, and C PPE
- Site secured and U.S. EPA, START, and ERRS departed the Site on March 27, 2014

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

To be determined

2.1.4 Progress Metrics

Waste Stream	Medium	Quantity	Manifest #	Treatment	Disposal Facility
RCRA Empty Containers & Debris	solid	30 cubic yards	47141320817	NA	County Line Landfill (Republic Svc)
Sulfuric Acid (D002)	liquid	220 gallons	012438016JJK	NA	Chemtron Corporation
Ammonium Calcium Nitrate (D001)	solid	3,400 lbs	012438016JJK	NA	Chemtron Corporation
Potassium Sulfate, Sodium Chloride	solid	1,950 lbs	012438016JJK	NA	Chemtron Corporation
Zinc Sulfate Monohydrate	solid	10,500 lbs	012JJK438016	NA	Chemtron Corporation
Aluminum Sulfate	solid	12,900 lbs	012438016JJK	NA	Chemtron Corporation
Copper Sulfate	solid	8,700 lbs	012438016JJK	NA	Chemtron Corporation

Potassium Nitrate (D001)	solid	1,000 pounds	012438176JJK	NA	Chemtron Corporation
Potassium Nitrate (D001)	solid	1,900 lbs	012438176JJK	NA	Chemtron Corporation
Potassium Carbonate	solid	7,500 lbs	012438176JJK	NA	Chemtron Corporation
Pro-trace bean booster fertilizer	liquid	1,180 gallons	012438176JJK	NA	Chemtron Corporation
Ferrous Sulfate Heptahydrate	solid	12,500 lbs	012438176JJK	NA	Chemtron Corporation
Various Non-Hazardous Additives	solid	28,000 lbs	0124381175JJK	NA	Chemtron Corporation
Disodium EDTA Dihydrate	solid	2,500 lbs	012438175JJK	NA	Chemtron Corporation
Metagro Liquids, Na SALT, Lignosulfonic Acid	liquid	435 gallons	012438175JJK	NA	Chemtron Corporation
Ferrous Sulfate Hephthrate	solid	2,000 lbs	012438175JJK	NA	Chemtron Corporation
RCRA Empty Containers & Debris	solid	30 cubic yards	012438175JJK	NA	County Line Landfill (Republic Svc)
RCRA Empty Containers & Debris	solid	30 cubic yards	012438175JJK	NA	County Line Landfill (Republic Svc)
Magnesium Sulfate, Heptahydrate Epsom Salt	solid	11,050 lbs	012438490JJK	NA	Chemtron Corporation
Magnesium Sulfate, Heptahydrate Epsom Salt	solid	1,000 lbs	012438490JJK	NA	Chemtron Corporation
Bioforce Plant Growth Fertilizer	liquid	75 gallons	012438490JJK	NA	Chemtron Corporation
Zinc, Ammonia Solution	liquid	275 gallons	012438490JJK	NA	Chemtron Corporation
Lignosulfonic Acid, Manganese	liquid	360 gallons	012438490JJK	NA	Chemtron Corporation
Traco Liquid Boron 10% B	liquid	190 gallons	012438490JJK	NA	Chemtron Corporation
Zinc, Copper	liquid	340 gallons	012438490JJK	NA	Chemtron Corporation
Copper Compounds	liquid	160 gallons	012438490JJK	NA	Chemtron Corporation
Meta Green Liquid Calcium	liquid	55 gallons	012438490JJK	NA	Chemtron Corporation
Citric Acid, Zinc (D002)	liquid	125 gallons	012438490JJK	NA	Chemtron Corporation
Connector Nutrient Tech	liquid	70 gallons	012438490JJK	NA	Chemtron Corporation
Librel, ZN	solid	1,250 pounds	012438490JJK	NA	Chemtron Corporation
Magnesium Nitrate (D001)	solid	900 lbs	012438490JJK	NA	Chemtron Corporation
Liquid Sulfonic Acid, Sodium Salt	solid	1,705 lbs	012438490JJK	NA	Chemtron Corporation
Zinc Sulfate	solid	800 lbs	012438490JJK	NA	Chemtron Corporation
Ferrous Sulfate Heptahydrate	solid	2,000 lbs	012438490JJK	NA	Chemtron Corporation
Aqueous Liquid B (OX/HAL)	liquid	5,100 gallons	012430064JJK	NA	Chemtron Corporation
Hazardous waste liquid (Selenium) (D010)	liquid	4,000 gallons	012430161JJK	NA	Chemtron Corporation
RCRA Empty Containers and Debris	solid	30 cubic yards	47141320817	NA	County Line Landfill (Republic Svc)
Hazardous Waste Liquid (Selenium) (D010)	liquid	3950 gallons	012430178JJK	NA	Chemtron Corporation

Hazardous Waste Liquid(Chromium,Lead, Selenium) (D006, D007, D010)	liquid	4,400 gallons	004353754FLE	NA	EQ, Detroit
RCRA Empty Containers and Debris	solid	30 cubic yards	47141320817	NA	County Line Landfill (Republic Svc)
RCRA Empty Containers and Debris	solid	29 cubic yards	47141320817	NA	County Line Landfill (Republic Svc)
Floor Sweepings	solid	1 cubic yards	4714142835	NA	County Line Landfill (Republic Svc)
RCRA Empty Containers and Debris	solid	28 cubic yards	47141320817	NA	County Line Landfill (Republic Svc)
Floor Sweepings	solid	2 cubic yards	4714142835	NA	County Line Landfill (Republic Svc)
Hazardous Waste Liquid (Chromium, Cadmium, Selenium)	liquid	4,500 gallons	004353755FLE	NA	EQ Detroit
RCRA Empty Containers and Debris	solid	27 cubic yards	47141320817	NA	County Line Landfill (Republic Svc)
Floor Sweepings	solid	3 cubic yards	4714142835	NA	County Line Landfill (Republic Svc)

2.2 Planning Section

2.2.1 Anticipated Activities

- Continue demolishing totes, and disposing of liquid waste
- Continue Green activities on site
- Recycled: Paper: 0 lbs, Glass: 0 lbs, Metal: 0 lbs, Plastic: 0 lbs

2.2.1.1 Planned Response Activities

None

2.2.1.2 Next Steps

Continue removal action

2.2.2 Issues

None

2.3 Logistics Section

Not applicable

2.4 Finance Section

2.4.1 Narrative

Estimated as of 3/27/2014 for ER, and 3/28/2014 for START

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
ERRS - Cleanup Contractor	\$542,551.00	\$414,589.75	\$127,961.25	23.59%
START	\$120,600.00	\$101,309.98	\$19,290.02	16.00%
Intramural Costs				

Total Site Costs	\$663,151.00	\$515,899.73	\$147,251.27	22.20%
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* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

2.5 Other Command Staff

2.5.1 Safety Officer

A site safety plan was signed by all Site personnel.

2.5.2 Liaison Officer

Not applicable

2.5.3 Information Officer

Teresa Jones, U.S. EPA - CIC

3. Participating Entities

3.1 Unified Command

Not applicable

3.2 Cooperating Agencies

EPA
IDEM
Cass County
The City of Royal Center
Royal Center Fire Department
Royal Center Police Department

4. Personnel On Site

1 - EPA
1 - START (Weston Solutions, Inc.)
8 - ER (Environmental Restoration, LLC)

5. Definition of Terms

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act, known as Superfund
CIC - Community Involvement Coordinator
CO - Carbon Monoxide
COR - Contracting Officer Representative
CRZ - Contamination Reduction Zone
EPA – United States Environmental Protection Agency
ERRS - Emergency and Rapid Response Services
G - Gallons
H₂S - Hydrogen Sulfide
IDEM – Indiana Department of Environmental Management
LBS -Pounds
LEL - Lower Explosive Limit
MSDS - Material Safety Data Sheets
O₂ - Oxygen
OSC – On-Scene Coordinator
NH₃ - Ammonia
PPE - Personal Protective Equipment
PRPs - Potentially Responsible Parties
START – Superfund Technical Assessment and Response Team
TAL - Target Analyte List Metals
T&D - Transportation and Disposal
U.S EPA - United States Environmental Protection Agency
VOCs - Volatile Organic Compounds

6. Additional sources of information

6.1 Internet location of additional information/report

For additional information, please refer to "Documents" on www.epaosc.org/TraylorChemicals.

6.2 Reporting Schedule

Weekly

7. Situational Reference Materials

For additional information, please refer to "Documents" on www.epaosc.org/TraylorChemicals.