U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Beta Chem Laboratory - Removal Polrep

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region VII

Subject: **POLREP #3**
Beta Chem Laboratory
B783
Lenexa, KS
Latitude: 38.9473349 Longitude: -94.7535919

To:
From: Doug Ferguson, OSC
Date: 5/22/2014
Reporting Period:

1. Introduction

1.1 Background

Site Number:	B783	**Contract Number:**	EP-S7-13-05
D.O. Number:	0029	**Action Memo Date:**	4/17/2014
Response Authority:	CERCLA	**Response Type:**	Time-Critical
Response Lead:	EPA	**Incident Category:**	Removal Action
NPL Status:	Non NPL	**Operable Unit:**	
Mobilization Date:	5/5/2014	**Start Date:**	5/5/2014
Demob Date:		**Completion Date:**	
CERCLIS ID:	KSN000705028	**RCRIS ID:**	
ERNS No.:		**State Notification:**	State Referred the Site
FPN#:		**Reimbursable Account #:**	

1.1.1 Incident Category

Time-Critical Removal Action of hazardous substances, including assessment for radiation contamination.

1.1.2 Site Description

Beta Chem Laboratory is a defunct radio-pharmaceutical synthesis lab.

1.1.2.1 Location

The Site is located at 14410 West 100th Street, Lenexa, Johnson County, Kansas. The Site is located in an industrial park. The Site is within a portion of a building in the Noon Industrial Park.

1.1.2.2 Description of Threat

See POLREP number 1.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

See POLREP number 1.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

Air montoring results have not detected significant concentrations of volatile organic compounds as measured with a photoionization detector. Additionally, the oxygen concentrations were found to remain constant at 20.9% and the percent of the lower explosive limit was zero. There were not any significant detections of air borne radiation contamination in samples collected onto air filters counted by the Ludlum Model 3030 Drawer Alpha-Beta Counter. Virtually all of the surfaces in the lab, including the chemical containers, have elevated counts of radiation as measured with the Ludlum 2241 Meter equipped with a 44-9 "pancake" probe.

2.1.2 Response Actions to Date

During the period of May 19-23, 2014, an addtional 78 chemicals were added to the site inventory (1,078

total containers at the site). During this same time period, 83 containers were field screened into hazard categories (276 total unknowns have been field screened to date). Field screening of the containers for segregation has been completed. Arrangements for the disposal of the flammable liquids and other hazardous wastes at the site are being made at this time.

On May 19, 2014, representatives from the Lenexa Fire Department visited the site so they could better understand the removal process. Also, on May 22, 2014, members of the Kansas Civil Support Team provided asistance at the site by monitoring the air inside the facility for volatile organic compounds (VOCs) with a gas chromatograph equipped with a mass spectrometer (GC/MS). No VOCs were detected by their GC/MS in the part per million range at the site. Finally, a representaive of the Kansas State Fire Marshall's office visited the site on May 23, 2014, to become familiar with our removal process.

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

PRPs have been identified for the site including the operator of the facility and the owners of the building.

2.1.4 Progress Metrics

The anticipated waste streams for the site are listed below. Further research by site personnel and disposal companies will determine the final waste streams.

Waste Stream	*Medium*	*Quantity*	*Manifest #*	*Treatment*	*Disposal*
flammable	liquid				
flammable	solid				
corrosive, acid	liquid				
corrosive, base	liquid				
corrosive, base	solid				
oxidizer	solid				
oxidizer	liquid				
organic peroxide	liquid				
water reactive	solid				
water reactive	liquid				
air reactive	solid				
mixed waste	s, l, g				
toxic	s, l, g				
compressed gas	g				
radioactive	s, l				

2.2 Planning Section

2.2.1 Anticipated Activities

Update chemical inventory with field screening data to assist with segragtion and disposal estimates. Request for disposal cost price quotations have been submitted to three disposal contractors for the flammables waste stream.

2.2.1.1 Planned Response Activities

Segregate waste streams based on disposal criteria, determine acceptable levels of radiation contamination for mixed versus hazardous waste, dispose of hazardous materials off-site. Complete radiological assessment of the site.

2.2.1.2 Next Steps

Determine best disposal method based on bids from disposal contractors.

2.2.2 Issues

2.3 Logistics Section

No information available at this time.

2.4 Finance Section

No information available at this time.

2.5 Other Command Staff

2.5.1 Safety Officer

Doug Ferguson EPA
Danny O'Connor START
Bryant Merriman START
Keith Brown START

2.5.2 Liaison Officer

Doug Ferguson EPA

2.5.3 Information Officer

Chris Whitley EPA

3. Participating Entities

3.1 Unified Command

3.2 Cooperating Agencies

Kansas Department of Health and Environment

4. Personnel On Site

Doug Ferguson EPA OSC
Mike Davis EPA OSC
John Frey EPA OSC
Chuck Hooper EPA Radiation Program
Bryant Merriman START
Cosmo Cancari START

5. Definition of Terms

No information available at this time.

6. Additional sources of information

No information available at this time.

7. Situational Reference Materials

No information available at this time.