UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region VII

Subject:	**POLREP #1** **First and Final** **MGP Atchison Chlorine Release** **Atchison, KS** **Latitude: 39.5587361 Longitude: -95.1325073**
To:	Adam Ruiz, R7
From:	Paul Doherty, OSC
Date:	2/14/2017
Reporting Period:	October 21, 2016

1. Introduction

1.1 Background

Site Number:		**Contract Number:**	
D.O. Number:		**Action Memo Date:**	
Response Authority:	CERCLA	**Response Type:**	Emergency
Response Lead:	PRP	**Incident Category:**	Removal Action
NPL Status:	Non NPL	**Operable Unit:**	
Mobilization Date:	10/21/2016	**Start Date:**	10/21/2016
Demob Date:	10/21/2016	**Completion Date:**	10/21/2016
CERCLIS ID:		**RCRIS ID:**	
ERNS No.:		**State Notification:**	
FPN#:		**Reimbursable Account #:**	

1.1.1 Incident Category

PRP-Lead Emergency Response

1.1.2 Site Description

MGP Ingredients Inc. (MGP) Industrial Pretreatment facility at or near 1320 Gasoline Alley, Atchison, KS. MGP is a manufacturer of premium distilled spirits and specialty wheat proteins and starches. The company operates an industrial wastewater pretreatment plant at 1320 Gasoline Alley, near downtown Atchson, KS. The Union Pacific Atchison Yard is to the north and White Clay Creek and US Highway 59 is to the south. The City of Atchison's Tourist Welcome Center is 0.3 miles to the northeast of the wastewater treatment facility.

1.1.2.1 Location

The company operates an industrial wastewater pretreatment plant at 1320 Gasoline Alley, near downtown Atchson, KS.

1.1.2.2 Description of Threat

At about 0800 hours on October 21, 2016, a tanker truck was offloading sulfuric acid at the MGP Ingredients Inc. (MGP) wastewater pre-treatment plant in downtown Atchison, Kansas when the hose from the truck was inadvertently connected to piping leading to a 6,500-gallon aboveground storage tank (AST) containing sodium hypochlorite. A chemical reaction resulted from mixing of these chemicals, causing a large, thick, white plume of gaseous hydrogen chloride and/or chlorine to discharge from the sodium hypochlorite tank and spread to the north over several square miles.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

The inadvertent transfer continued for 30 to 40 minutes before the valve on the tanker truck could be closed. The Atchison Fire Department (AFD) arrived on scene and began applying a deluge wash to the sodium hypochlorite tank, knocking down the escaping cloud of gas. Nearby businesses, residences, and schools (including Benedictine College) were evacuated, while others were advised to shelter in place. Some roads were closed including State Route 7 (K-7), U.S. Highway 73, and U.S. Highway 59.

At approximately 0930 hours, EPA was notified of the incident and responded to the scene with START contract support to provided technical assistance to local responders.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

The EPA and START arrived at the site at about 1250 hours on October 21, 2016.By that time, the airborne plume had largely dispersed, and the imminent threat to human health appeared to have diminished substantially. First responders and many local, state, and federal government agency personnel were on site. OSC Doherty met with authorities, including the Atchison City Manager, County Emergency Management Director, AFD Incident Commander, KDHE, MGP representatives, and others.Residents who had been advised to shelter in place were cleared to leave their homes.

Coordinates for the AST containing sodium hypochlorite where the release occurred were determined to be 39.558716 degrees north latitude and 95.132491 degrees west longitude. START was tasked to perform perimeter real-time air monitoring.START used a MultiRAE Pro multi-gas detector (with oxygen, combustible gas, chlorine, volatile organic compound [VOC], and gamma radiation sensors) and a MultiRAE Plus multi-gas detector that included a hydrogen sulfide sensor to acquire and record readings at 11 locations around the MGP facility. The readings were taken between 1430 hours and 1620 hours, and all readings were non-detect except for oxygen, which was 20.9% at all locations. A summary of the air monitoring locations is included in Table 1 below.

EPA demobilized from the site and additional monitoring and disposal of material was being addressed by the responsible party and local emergency responders.

2.1.2 Response Actions to Date

See narrative above

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

MGP Ingredients LLC is the responsible party. At this time the Removal Program is not aware of any EPA enforcement activities related to the release or EPA response.

2.1.4 Progress Metrics

This response consisted of air monitoring support. No significant progress metrics are noteworthy. The following summarizes air monitoring results:

TABLE 1

REAL-TIME AIR MONITORING READINGS
HYDROGEN CHLORIDE – MGP SITE, ATCHISON, KANSAS

Location[1]	Description	Latitude (°N)	Longitude (°W)	O_2 (%)	LEL (%)	Cl_2 (ppm)	VOCs (ppm[2])	H_2S (ppm)
MRPro1	Gasoline Alley (maintenance building)	39.55902892	95.13120859	20.9	0	0	0	NA
MR2	Hwy 73 and Gasoline Alley	39.55942542	95.12768081	20.9	0	0	0	0
MR3	Hwy 59 and Hwy 73 (NW corner)	39.55890893	95.12754444	20.9	0	0	0	0
MR4	Leopoldo's Greenhouse	39.55785398	95.13154546	20.9	0	0	0	0
MR5	14th Street and Hwy 59 (NE corner)	39.55731628	95.13524939	20.9	0	0	0	0
MR6	Bridge on 14th Street (E side)	39.55918198	95.13541974	20.9	0	0	0	0
MR7	14th Street and Main Street (NW corner)	39.56076037	95.13541915	20.9	0	0	0	0
MR8	13th Street and Main Street (S side)	39.56082889	95.13320306	20.9	0	0	0	0
MR9	MGP parking lot (E side of plant)	39.56063279	95.13116215	20.9	0	0	0	0
MR10	10th Street and Main Street (SW corner)	39.56057726	95.12872512	20.9	0	0	0	0
MR11	Incident site (30 feet N of tanks)	39.55880026	95.13252413	20.9	0	0	0	0

Notes:

[1] See Figure 2 in Appendix A
[2] Concentration above background level

2.2 Planning Section

2.2.1 Anticipated Activities

No further activities are planned.

2.2.1.1 Planned Response Activities

No further response activities are planned.

2.2.1.2 Next Steps

No further actions are planned.

2.2.2 Issues

There are no issues.

2.3 Logistics Section

The response activities are concluded. The EPA provided technical assistance but no logistical support to on site activities during the response.

2.4 Finance Section

2.4.1 Narrative

The response activities are concluded. The EPA provided technical assistance but no financial support to on site activities during the response.

2.5 Other Command Staff

2.5.1 Safety Officer

The response activities are concluded. Safety officer functions were performed by the Atchison fire Department as supported by MGP personnel.

2.5.2 Liaison Officer

The response activities are concluded. EPA did not utilize a liaison officer during this response.

2.5.3 Information Officer

The response activities are concluded. The City Manager of the City of Atchison Kansas served as the Information Officer for the response.

3. Participating Entities

3.1 Unified Command

The EPA provided technical support to the Atchison Fire Department Chief who served as the Incident Commander for the response. A Unified Command was not stood up and the EPA did not play a role the internal Fire Department Command Staff.

3.2 Cooperating Agencies

Cooperating Agencies included the Kansas Department of Health and Environment, the Kansas Bureau of Epidemiology, the EPA, the Centers for Disease Control and the City of Atchison, KS.

4. Personnel On Site

The response is over and there are no responders on site.

5. Definition of Terms

N/A

6. Additional sources of information

6.1 Internet location of additional information/report

https://response.epa.gov/site/site_profile.aspx?site_id=12040

6.2 Reporting Schedule

The response is over and no further reporting is anticipated.

7. Situational Reference Materials

N/A