

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
American Screw and Rivet - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region IV

Subject: POLREP #8
American Screw and Rivet
B4J8
Anderson, SC
Latitude: 34.5913130 Longitude: -82.6792440

To:
From: Jeffery J. Crowley, On Scene Coordinator
Date: 8/1/2011
Reporting Period: 7/18/11 - 7/29/11

1. Introduction

1.1 Background

Site Number:	B4J8	Contract Number:	
D.O. Number:		Action Memo Date:	6/13/2011
Response Authority:	CERCLA	Response Type:	Time-Critical
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	6/3/2011	Start Date:	6/3/2011
Demob Date:		Completion Date:	
CERCLIS ID:	SCR0000006635	RCRIS ID:	
ERNS No.:		State Notification:	06/02/2011
FPN#:		Reimbursable Account #:	

For background information including Site Description, Location and Description of Threat, please refer to previous POLREPs.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

START along with ERRS continue to conduct activities to identify threats and contain potential uncontrolled releases.

2.1.2 Response Actions to Date

The following actions were completed during this reporting period:

- ERRS continued the destruction of poly drums, poly ASTs, vats and totes. The decontamination liquids were collected in onsite sumps within the building. The residual materials from these containers was neutralized using soda ash.
- ERRS continued to overpack any remaining deteriorated drums.
- START and ERRS worked to drill holes in the concrete floor in order to check the type of foundation and to collect soil samples underneath.
- The sludge that surrounded the acid totes was neutralized using soda ash and then placed into containers for disposal.
- DHEC personnel on site to observe field activities and coordinated future sampling with EPA.
- The steel frac tank has been decontaminated and removed from site. At this point all ASTs, frac tanks, and vacuum boxes have been removed from the Site.
- Incident: On July 29 while mixing some pH 7 and pH 10 liquids together for bulking, a reaction occurred producing a brownish-orange vapor cloud inside the building. Knowing the materials that were mixed, it was assumed to be a Nitrogen dioxide (NO₂) plume. The crew was evacuated to the muster point and the AreaRaes onsite were calibrated to check for NO and NO₂. A sensor was placed at the two main entry points to the building and at the fence before Manse Jolly Road. Then, fans were placed in the building to help ventilation and air sparging was conducted on the materials to accelerate the reaction. ERRS monitored the AreaRaes throughout the night and the readings fell below detection limits by morning.

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

Coordination with EPA's attorneys on this matter continues. EPA has been in contact with the trustees and owners and has secured access from both.

2.2 Planning Section

2.2.1 Anticipated Activities

2.2.1.1 Planned Response Activities

- ERRS will continue to decontaminate any remaining containers in the building.
- ERRS will also begin the process of building demolition including the removal of three sludge pits located behind the building.
- START will collect further samples including confirmation samples at the Site.

2.2.1.2 Next Steps

2.2.2 Issues

None at this time.

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

EPA is the primary Safety Officer.

2.6 Liaison Officer

2.7 Information Officer

2.7.1 Public Information Officer

2.7.2 Community Involvement Coordinator

3. Participating Entities

3.1 Unified Command

3.2 Cooperating Agencies

South Carolina Department of Health and Environmental Conservation

4. Personnel On Site

The following represent the maximum staffing during this reporting period:

EPA OSC - 1
START (Otie) - 1
ERRS (ER) - 6

5. Definition of Terms

ASR - American Screw and Rivet
EPA - Environmental Protection Agency
EPM - Enforcement Project Manager
ERRB - Emergency Response and Removal Branch
ERRS - Emergency and Rapid Response Services
OSC - On Scene Coordinator
PPE - Personal Protective Equipment
PRP - Potentially Responsible Party
RAL - Removal Action Level
RSE - Removal Site Evaluation
RSL - Removal Screening Level
RFQ - Request For Quote

6. Additional sources of information

6.1 Internet location of additional information/report

SCDHEC American Screw and Rivet Corporation referral package to EPA Region 4 Emergency Response and Removal Branch attached in the documents section.

6.2 Reporting Schedule

7. Situational Reference Materials

No information available at this time.