

U.S. ENVIRONMENTAL PROTECTION AGENCY  
POLLUTION/SITUATION REPORT  
West Port High School Mercury - Removal Polrep  
Initial Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region IV

**Subject:** POLREP #1  
West Port High School Mercury Spill - Final POLREP  
West Port High School Mercury  
04ZZ  
Ocala, FL  
Latitude: 29.1535210 Longitude: -82.2497340

**To:**  
**From:** David Andrews, OSC  
**Date:** 2/10/2010  
**Reporting Period:**

**1. Introduction**

**1.1 Background**

<b>Site Number:</b>	04ZZ	<b>Contract Number:</b>	
<b>D.O. Number:</b>		<b>Action Memo Date:</b>	
<b>Response Authority:</b>	CERCLA	<b>Response Type:</b>	Emergency
<b>Response Lead:</b>	EPA	<b>Incident Category:</b>	Removal Action
<b>NPL Status:</b>	Non NPL	<b>Operable Unit:</b>	
<b>Mobilization Date:</b>	2/4/2010	<b>Start Date:</b>	2/4/2010
<b>Demob Date:</b>		<b>Completion Date:</b>	2/4/2010
<b>CERCLIS ID:</b>		<b>RCRIS ID:</b>	
<b>ERNS No.:</b>		<b>State Notification:</b>	FLA DEP
<b>FPN#:</b>		<b>Reimbursable Account #:</b>	

**1.1.1 Incident Category**

**1.1.2 Site Description**

OSC Russell dispatched OSC Andrews to assist FLA DEP on an assessment of a mercury spill and resultant floor contamination in the classroom of West Port High School located in Ocala, Marion County, Florida. OSC Andrews was in Orlando, FL for Readiness training. In the afternoon of February 4, 2010, a three-foot long mercury barometer ruptured in the science classroom. The class instructor quickly contained the spill, evacuated the classroom, and contacted authorities to respond to the incident. West Port High School Principal shut-down the building ventilation to the building after closing off the classroom. The Ocala Fire Department's Haz-Mat Team responded and utilized their mercury spill kit to collect the remaining free standing mercury on the floor and applied a indicator absorbent to stabilize the residue. OSC Andrews assisted FLA DEP with the LUMEX Light portable mercury analyzer and documented that the mercury contamination was sufficiently mitigated by the response efforts by the Ocala Haz-Mat Team. OSC Andrews identified that the floor drain in the classroom continued to indicate over the Region's RAL for Hg of 3 ug/m<sup>3</sup> (Lumex detection of 6 ug/m<sup>3</sup>). The drain and any remaining contamination issues were scheduled to be addressed by response contractors for the Marion County School System on February 5, 2010. No further action by EPA or DEP at this time.

**1.1.2.2 Description of Threat**

A large volume (up to one-pound) of elemental mercury spilled on to the floor of a high-school classroom from a wall mounted barometer.

**1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results**

OSC determined (along with FLA DEP Emergency Response) that the ambient air conditions were below health-based concentrations in the classroom and that spill mitigation by the Ocala HazMat Team were successful. The mouth of the floor drain continued to read above EPA RAL concentration of 3.0 ug/m<sup>3</sup> (approx 6.0 ug/m<sup>3</sup>) and the Principal advised EPA and DEP that clean-up contractor services will address the floor drain contamination during the next work day.

**2. Current Activities**

**2.1 Operations Section**

**2.1.1 Narrative**

See Background

**2.1.2 Response Actions to Date**

EPA conducted technical support to FL DEP responder specific to LUMEX Light Mercury Analyzer and assisted with assessment of the ambient air in the classroom and floor drain of the classroom.

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

N/A

**2.1.4 Progress Metrics**

N/A

<b>Waste Stream</b>	<b>Medium</b>	<b>Quantity</b>	<b>Manifest #</b>	<b>Treatment</b>	<b>Disposal</b>

**2.2 Planning Section**

**2.2.1 Anticipated Activities**

No further activities anticipated at this time.

**2.2.1.1 Planned Response Activities**

No further response activities planned.

**2.2.1.2 Next Steps**

Contractors for the City/County School System conducted final clean-up operations on February 5, 2010 and specifically addressed the floor drain that detected above health-based Hg concentrations.

**2.2.2 Issues**

None.

**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**

No information available at this time.

**3. Participating Entities**

No information available at this time.

**4. Personnel On Site**

No information available at this time.

**5. Definition of Terms**

RAL = Removal Action Level. Health-based concentration of an analyte/contaminant of concern that, in a removal assessment or emergency response, will prompt immediate action by ERRB.

ug/m<sup>3</sup> = micrograms per cubic meter of air.

ERRB = Region 4 Emergency Response and Removal Branch.

Hg = mercury (elemental)

FL DEP = Florida Department of Environmental Protection.

OSC = On-Scene Coordinator

EPA = U.S. Environmental Protection Agency.

**6. Additional sources of information**

No information available at this time.

**7. Situational Reference Materials**

No information available at this time.