

**United States Environmental Protection Agency
Region X
POLLUTION REPORT**

Date: Tuesday, January 31, 2006

From: Marc Callaghan

To: Anthony Barber, EPA Region 10 (POLREP List) Dan Opalski, EPA Region 10 (POLREP List)
Chris Field, EPA Region 10 (POLREP List) Eugene Lee, EPA HQ (POLREP List)
Mary Matthews, EPA Region 10 (POLREP List) EPA HQ, EPA HQ (POLREP List)
List)
Vonnie Good, Salem Keizer School District Nathan Sweet, Oregon OSHA
Jae Douglas, Oregon PHS SHINE Program Socorro Rodriguez, EPA Region 10 (POLREP List)
List)

Subject: First and Final
Salem_Keizer School District Mercury Assessment
Multiple Locations, Salem, OR

POLREP No.:	1	Site #:	10ZZ
Reporting Period:	January 25-28	D.O. #:	
Start Date:	1/25/2006	Response Authority:	CERCLA
Mob Date:		Response Type:	Emergency
Demob Date:	1/26/2006	NPL Status:	Non NPL
Completion Date:		Incident Category:	Removal Assessment
CERCLIS ID #:		Contract #	
RCRIS ID #:			

Site Description

The United States Environmental Protection Agency is responding at the request of the Salem Keizer School District, and has partnered with Oregon OSHA and the Oregon State Public Health to assess potential mercury exposure levels at seven schools in the Salem, Oregon school district. The EPA will screen areas of anomalous mercury concentrations in suspected areas of schools and identify areas of mercury concentrations exceeding the site action level of (1ug/m3).

Oregon OSHA is collecting air samples and filter samples at the respective areas of mercury screening at the schools.

Current Activities

The EPA and START-3 contractors initiated a Removal Site Evaluation on January 25, 2006. The START-3 contractor conducted screening with the Lumex 915+ Mercury Vapor Spectrometer (Lumex) and the Jerome 431-X Mercury Vapor Analyzer (Jerome) at seven elementary schools in the Salem Keizer School District.

The START-3 conducted the following tasks at the seven respective schools. Concentrations were recorded at background using the Lumex at 100 and 200 cm levels at multiple locations inside the gymnasiums to establish normal breathing zone conditions. These concentrations were used to compare to the near-floor concentrations. The START-3 collected readings at a 10-20 foot grid spacing, and recorded the concentrations. To establish reproducibility, the START-3 re-collected at least one transect to observe the variations.

After conducting screening at all schools, and evaluating the data, the Removal Assessment resulting in the following conclusion. All levels recorded at the respective schools resulted in data well below the EPA established levels of concern. The START-3 did not find significant variation when screening the gym floors laterally or vertically.

Planned Removal Actions

No planned removal actions are planned at this time.

Next Steps

EPA's role is going to be limited to data collection and technical assistance. EPA's product will include data tables and Graphic representations. This information will be provided to the Oregon State Public Health for the purpose of drafting a final report.

Key Issues

EPA's OSC Marc Callaghan will attend a meeting in Salem on February 2, 2006 to discuss data sampling results with the Salem_Keizer School District staff, OR OSHA, and OR Dept of Health.

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
RST/START	\$14,000.00	\$0.00	\$14,000.00	100.00%
Intramural Costs				
USEPA - Direct (Region, HQ)	\$5,000.00	\$0.00	\$5,000.00	100.00%
Total Site Costs				
	\$19,000.00	\$0.00	\$19,000.00	100.00%

* 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.

response.epa.gov/ORSchoolMercury

POLREP #1 Last Updated 1/31/2006