



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 4
SAM NUNN ATLANTA FEDERAL CENTER
61 FORSYTH STREET, S.W.
ATLANTA, GEORGIA 30303

MEMORANDUM

DATE: December 20, 2010

SUBJECT: Lafayette High School Mercury Release, Post Cleanup Visit

FROM: Matthew J. Huyser, OSC
Emergency Response and Removal Branch

TO: Site File

This memorandum shall serve to document EPA's findings during the visit made by On-Scene Coordinator (OSC), Matthew J. Huyser, to the Lafayette High School in Lafayette, Georgia, on November 23, 2010. The purpose of this visit was to inspect the progress of cleanup efforts following a spill of mercury at the facility, and to confirm that remediation measures used contractors were successful. OSC Huyser used an Ohio Lumex Mercury Vapor Analyzer to measure mercury concentrations in the breathing zone and above known hotspots in several rooms. Overall, the rooms that were inspected shown no sign that elemental mercury remained and remediation efforts appeared to have been sufficient. The following table details the data that was collected:

Location	Concentration (ng/m3)	Information
Band Room	<900 all areas	All areas, including breathing zone and previously known hotspots on the floor, showed concentrations below 900 ng/m3 with no peaks
700 Hall Boy's Bathroom	<900 breathing zone Peak of 2000 at floor drain and 3000 at foot of partition	Breathing zone levels remained below 900 ng/m3; peaks were found immediately above the floor drain and near the foot of a partition, but these levels are below the personal property limit of 5000-10,000 ng/m3 and well below the value of >50,000 ng/m3 found before cleanup was initiated
Room 707	<800 breathing zone Peak of 4000 at floor near release point	Breathing zone levels remained below 800 ng/m3; one peak of 4000 ng/m3 was found on the floor in the back corner where a release point was believed to be, but it falls below the personal property limit of 5000-10,000 ng/m3 and below a value of 14,000 ng/m3 found before cleanup was initiated
Mobile Unit #2	<1000 breathing zone Peak of 2000 at small scrap of leftover carpet	Breathing zone levels remained below 1000 ng/m3; one peak of 2000 ng/m3 was found at a small scrap of carpet that would be removed before new flooring was installed
Cafeteria	5000 breathing zone	Breathing zone levels were initially found above

Janitor's Closet	<1000 near brooms/mops	5000 ng/m ³ but levels found at broom heads and mop heads were below 1000 ng/m ³ . The ventilation fan was found to be off; levels dropped below 1000 ng/m ³ after 30 minutes when the fan was turned on. OSC Huyser advised that the fan be left on indefinitely to ventilate the room
600 Hall Janitor's Closet	<1000 breathing zone Peak of 8000 at floor drain	Breathing zone levels remained below 1000 ng/m ³ ; a peak of 8000 was found at the floor drain but there is no reason be believe that it could cause cross-contamination and is well below the value of >50,000 ng/m ³ that was found before cleanup was initiated

The conclusions of this assessment are the remediation measures conducted by the contractor were successful and that no further removal activities are necessary. OSC Huyser advised facilities personnel with the school that the ventilation fan in the Janitor's Closet near the cafeteria should remain on indefinitely due to the ability for stagnant air in the room to accumulate mercury vapour concentrations with no identifiable source. OSC Huyser also advised that the remaining scraps of carpet from Mobile Unit #2 be removed prior to installation of new carpet. Following this assessment and these recommendations, EPA does not intend to visit or inspect the site again unless specifically requested to do so by Lafayette County Public Schools.