



EA Engineering, Science, and Technology, Inc.

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7 March 2013

Mr. Joseph T. Martella II, Senior Engineer  
RIDEM - Office of Waste Management  
Site Remediation Program  
235 Promenade Street  
Providence, RI 02908

*RE: Indoor Methane Monitoring System Alarm Response Memorandum  
Alvarez High School, 333 Adelaide Avenue, Providence, Rhode Island  
Case No. 2005-029  
EA Project No. 14687.01*

Dear Mr. Martella:

On behalf of the City of Providence Department of Public Schools, EA Engineering, Science, and Technology, Inc. (EA) is providing this summary of indoor methane monitoring system alarm response actions conducted at the referenced Alvarez High School site (the Site) on 12 February 2013.

Alvarez High School personnel contacted EA at approximately 2:00 PM on 12 February 2013 to notify EA of an alarm sounding from the control panel for the indoor methane monitoring system in the administrative office. EA arrived at the site at approximately 3:00 PM and discovered an alarm emanating from the PS-7000 Channel Controller unit in the school's administrative office.

Upon closer inspection, it was determined that the alarm sounding was from the uninterrupted power supply (UPS). EA reset the UPS and restarted the indoor methane monitoring system. Methane remained undetected (0 parts per million) by the continuous methane sensors following the system restart. The subslab vacuum was verified from several subslab monitoring locations following the system restart. It is presumed that the continuous subslab negative pressure wasn't interrupted during the system outage because the rooftop fans run separately from the indoor methane monitoring system and power was not lost to the entire building.

The UPS remained functional following manual reset; however, the cause of the temporary failure could not be identified. EA will replace the UPS in response to the failure and continue to monitor the UPS and the indoor methane monitoring system integrity.

EA contracted the manufacturer (DOD Industries, Inc.) of the PS-7000 Channel Controller to determine if a temporary loss of power would affect the units internal calibration curves. The technician recommended re-calibration of the unit to assure that the curves were not affected. EA is scheduling the site visit and re-calibration and will include the results in our next status report.



Your office will be notified if it is determined that this issue persists or if any other issues arise. If you have any questions or require additional information, please contact me at (401) 736-3440, Ext. 203.

Sincerely,

EA ENGINEERING, SCIENCE,  
AND TECHNOLOGY, INC.

A handwritten signature in blue ink, appearing to read 'FB Postma', is written over a faint, light blue horizontal line.

Frank B. Postma, LSP, LEP, PG  
Senior Project Manager

FBP/pat

cc: C. Jones, Prov. Dept. of Public Schools	A. Sepe, Prov. Dept. of Public Property
Director, Prov. Redevelopment Agency	S. Fischbach, RI Legal Services
J. Padwa, City of Prov. Law Department	J. Ryan, Partridge, Snow, & Hahn
R. Dorr, Neighborhood Resident	J. Pichardo, Senator
Rep. Scott Slater	Principal Rivers, Alvarez High School
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