explore will be significantly less than that used to establish the RTACs.

especially not intended to be relied on at the Adeladre Avenue School where the period of
explored criteria when compared to indoor air contaminations for any residential scenarios and
explored criteria. Therefore, these action levels for indoor air are not intended to be relied on as a

period of 30 years. In reality, studies that will align the school will be present for only
based upon the acceptable 24-hour per day exposure scenario for 30 days per year for a
used as indoor Air Action Levels for this project take into account exposure by children and are

Based on the Residential Targeted Air Contaminants (RTACs) dated March 2003 and

these levels are based upon the Connecticut Department of Environmental Protection's (CTDEP)

Regarding the Indoor Air Action Levels established for this project, we would like to reiterate that

effectiveness of the multiple decontamination system operating at the site.

overall evaluation of all three rounds of data collected to date to illustrate the demonstration

and concluded that the conclusions since the schedule in the Air Contaminants (RTACs) and in

scores of the information and the results are for your reference. We have also provided the weekly

were also provided. The summary of the information and the results are for your reference. We have also provided the

have already taken into account the data, therefore issuing the sampling locations and

were issued in June 2000 and amended in February 2007 (Amended Order for

Technology, the (EPA) is providing this letter in accordance with item (001) of the Department's

on the Providence Department of Public Property (CITY) Environmental Science, and

Dear Mr. Mattila:

EA Project No. 6965.01
Case No. 2002-029

Adeladre Avenue School, 333 Adeladre Avenue, Providence, Rhode Island

RE: 26 April 2007 Air Sampling Event Order of Approval Follow-Up Letter

Providence, Rhode Island 02908

RIDEON- Office of Waste Management

Mr. Joseph T. Mattila, II, Senior Engineer

8 May 2007

EA Engineering, Science, and Technology, Inc.
1.2 Ambient Outdoor Air

Ambient Outdoor Air samples, with QA/Provision (6(e)(v)) has been achieved.

1.2.1 Sub-Slab Region

The data collected at all sub-slab sampling locations over the first three sampling events at the Site since March 2007 has been shown negative for the VOC compounds that were monitored.

1.2.2 Summary of 26 April 2007 Sampling Round

The Laboratory analytic report for the sub-slab data is also provided in Attachment A. A copy of the April 2007 Lab Report is included in the Appendix.

The eight sub-slab vapor samples were collected from a series of monitoring points located at various locations within the facility layer beneath the concrete slab of the school. These monitoring points are identified in the Laboratory analytic report for the sub-slab sampling locations and are described in the appendix.

The Laboratory analytic report for the sub-slab data is also provided in Attachment A. A copy of the April 2007 Lab Report is included in the Appendix.

The eight sub-slab vapor samples were collected from a series of monitoring points located at various locations within the facility layer beneath the concrete slab of the school. These monitoring points are identified in the Laboratory analytic report for the sub-slab sampling locations and are described in the appendix.

The Laboratory analytic report for the sub-slab data is also provided in Attachment A. A copy of the April 2007 Lab Report is included in the Appendix.

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The eight sub-slab vapor samples were collected from a series of monitoring points located at various locations within the facility layer beneath the concrete slab of the school. These monitoring points are identified in the Laboratory analytic report for the sub-slab sampling locations and are described in the appendix.
was not indicative of soil vapor intrusion.

Longer presence within the school supports the position that the presence of these compounds supports the assertion that the school’s water systems are no longer the immediate source of contamination of the school’s water systems and are no longer actively contributing to soil vapor intrusion. The fact that these compounds were detected in the school’s drinking water is another indicator that the school’s water systems are no longer actively contributing to soil vapor intrusion.

Neither of the two compounds detected previously in indoor air and known to be by-products of chlorinated compound cleanup (chloroform and bromoform) were detected in indoor air. One compound detected in indoor air at concentrations that slightly exceed the applicable action level, carbon tetrachloride, was also detected at approximately the same indoor air action level. Carbon tetrachloride was also detected at concentrations that are significantly less than the applicable action level.

One compound detected in indoor air at concentrations that slightly exceed the applicable action level.

Supporting the position that the presence of these compounds in indoor air is not indicative of soil vapor intrusion.

The 26 April 2007 samples were collected while some VOC-continuing contamination activities were still ongoing within the building. As such, in general, indoor VOCs reach to locations within the building as well as in general, indoor VOCs reach to locations within the building. As such, in general, indoor VOCs reach to locations within the building.

The indoor air samples were collected from locations throughout the school in accordance with the approved method. These indoor air samples were collected from locations throughout the school in accordance with the approved method.

Indoor Air (60 ppm)

The New York State Department of Health Air Guidance for this compound (45 ppm) is less than the ambient concentration reported for this contaminant (5 ppm) in ground water. For the 26 April 2007 samples are significantly less than the indoor action level.

The change observed in March 2007, and the New York State Department of Health Air Guidance for this compound (45 ppm) is less than the ambient concentration reported for this contaminant (5 ppm) in ground water. For the 26 April 2007 samples are significantly less than the indoor action level.

Thus, the indoor air samples were collected from locations throughout the school in accordance with the approved method.

The change observed in March 2007, and the New York State Department of Health Air Guidance for this compound (45 ppm) is less than the ambient concentration reported for this contaminant (5 ppm) in ground water. For the 26 April 2007 samples are significantly less than the indoor action level.

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Section 1.2, performed between 20 and 50°F, the test for all of these VOCs (with the exception of l,2,4-trichlorobenzene, trichloroethylene, styrene, and toluene) were not detected. Action levels were set and compliance determined in accordance with the Massachusetts Department of Environmental Management regulations.

Several other VOCs, previously detected at a site similar to this one, were also detected in this study. These compounds, however, are not included in the current regulations. Action levels were set and compliance determined in accordance with the Massachusetts Department of Environmental Management regulations.

The results of these studies have been submitted to the Massachusetts Department of Environmental Management for review and approval. The final report will be submitted within 30 days of completion of this study.

In conclusion, the results of this study indicate that the site is suitable for residential and commercial use. Further studies may be necessary to fully understand the site's environmental impact.
4. CONCLUSIONS

and effective SSD system operation and the lack of soil vapor intrusion at the site in the school at concentrations exceeding the action levels is clearly indicative of successful remediation.

EXR: 216.

We trust that this correspondence satisfies VA Provision 6(e)(vi). However, if you have any questions or require additional information, please do not hesitate to contact me at 401-736-3440.

We must ensure comprehensive safeguards of the site, and no SSD system modifications or other actions to address current conditions are warranted at this time.