

Mr. Jeffrey Crawford Rhode Island Department of Environmental Management Office of Waste Management 235 Promenade Street Providence, RI 02908 ARCADIS U.S., Inc.
300 Metro Center Boulevard
Suite 250
Warwick
Rhode Island 02886
Tel 401.738.3887
Fax 401.732.1686

SER-1

Subject:

Springfield Street School Complex Monitoring Wells

Dear Mr. Crawford:

As noted in our August quarterly report and as we discussed recently, monitoring wells ATC-2, ATC-3 and ATC-5 are no longer able to be sampled. Due to vandalism, settling, and insects, the casings of these wells are blocked with soil and stone or bent such that groundwater samples can no longer be collected. A Site Plan showing the well locations is attached.

The monitoring wells at the Site were installed in December, 2000, and have been sampled on a quarterly basis since then in accordance with the *Long-Term Operation* and *Maintenance Plan and Site Contingency Plan* (O&M Plan) contained in the *Remedial Action Work Plan* prepared by ATC dated April 2, 1999, revised May 3, 1999 and May 9, 1999. The *Remedial Action Work Plan* (RAWP) was approved by the Rhode Island Department of Environmental Management (RIDEM) in a letter dated June 4, 1999.

The Site Investigation Report (ATC, March 1999) and the Remedial Action Work Plan (ATC, March 1999) indicated that no contaminants were detected in groundwater at concentrations which exceeded the GB groundwater standards in the Rules and Regulations for the Investigation and Remediation of Hazardous Materials Releases. The groundwater at the Site is classified as GB. Groundwater remediation was not included as part of the remedy for the Site due to the lack of contamination in groundwater.

Groundwater monitoring has been conducted on a quarterly basis since the monitoring wells were installed in December 2000. None of the monitoring results for any of the Site groundwater samples have exceeded GB groundwater standards.

Date:

November 1, 2010

Contact:

Donna H. Pallister, PE

Phone:

401.738.3887

Our ref:

WK012152.0007

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D.E.M. YOMM.

The only compound detected by monitoring of ATC-2 was chloroform, which was detected 4 times out of 22 sampling events, at low concentrations near the detection limit. The only compound detected in samples from monitoring well ATC-3 was toluene, which was detected 6 times in 25 sampling events. The maximum concentration detected was 13.1 ug/L, compared to the GB objective of 1,700 ug/L. Two compounds were detected in samples from ATC-5: chloroform and MTBE. Chloroform was detected once in 2004, and MTBE was detected once in 2001. Otherwise, all results for samples from this well have been non-detectable.

Based on the results of groundwater monitoring conducted at the Site since the wells were installed in December 2000, we believe that further groundwater monitoring is not warranted. There is no evidence that past activities and uses of the property have resulted in groundwater contamination at the Site, and the current Site use does not present a risk to groundwater quality. There is no benefit to continued monitoring or to replacement of monitoring wells ATC-2, ATC-3 and ATC-5.

Therefore, we are requesting a modification to the O&M Plan to discontinue groundwater monitoring at the Site.

Please contact me at 401-738-3887, extension 25, or <u>donna.pallister@arcadisus.com</u> with any questions or comments.

Sincerely,

ARCADIS U.S., Inc.

Donna H. Pallister, PE, LSP

Senior Engineer

Copies:

S. Tremblay, Providence Schools

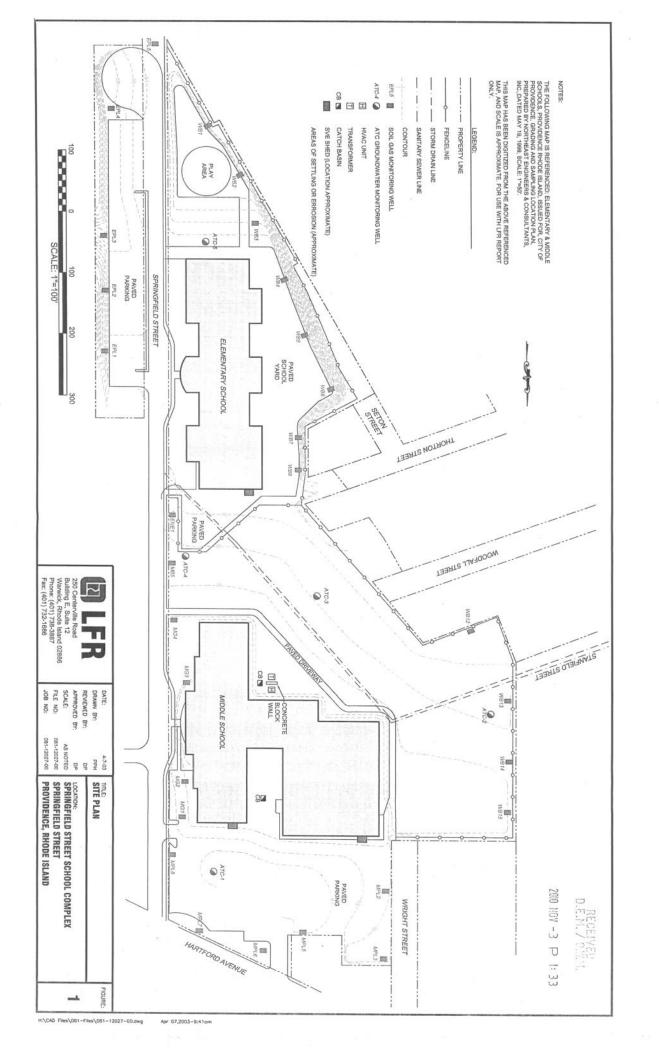
A. Sepe, City of Providence

Attachments:

Site Plan

Groundwater Monitoring Results

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Table 3
Summary of Ground Water Sampling Results
Springfield Street School Complex
Springfield Street
Providence, Rhode Island