

Chris Neuffer

From: Chris Neuffer
Sent: Saturday, May 20, 2017 4:10 PM
To: 'Pinkstone, Raymond'
Cc: bdempsey@springlakeboro.org
Subject: RE: PI# 009736 Spring Lake Boro DPW WTP

Ray,

The Remedial Investigation at the site is currently on-going. The following activities have been conducted to date to address the fill material detected during previous UST investigations (please note, the USTs received a No Further Action determination from the Department in August 2000):

- Based upon sampling results detected during UST investigation(s), it was determined that the levels of lead detected in soil were not associated with the UST(s) but were due to ash/fill material encountered between 2 and 8 feet below grade. A former incinerator was located on the property and it is assumed that the ash from the former incinerator operations was utilized to raise the elevation of the property.
- The contamination resulting from the ash/fill material was assigned Case Number 02-11-21-1149-04 by the NJDEP. The Borough of Spring Lake submitted a MOA to the Department in March 2003 for lead detected in soil resulting from “release from an on-site municipal solid waste incinerator”.
- A Preliminary Assessment Report was submitted to the NJDEP in June 2002. The PAR identified an AOC consisting of incinerator ash fill which was spread throughout the lowland area of the site along Fifth Avenue.
- In order to characterize the composition of the fill material, a total of 14 test pits were advanced across the site on January 19, 2017. Test pits were advanced to native material and/or groundwater to evaluate the extent of fill material/incinerator ash across the site. Samples were collected from four test pits to evaluate compounds of concern associated with the fill material. Results of analysis identified concentrations of SVOCs (benzo(a)anthracene, benzo(a)pyrene, and benzo(b)fluoranthene) and TAL Metals (aluminum, antimony, cadmium, lead, manganese, and/or zinc) above the NJDEP Default IGWSSL. In addition, lead was also detected above the RDCSRS and NRDCSRS in one sample.
- Based upon the results of the January 2017 investigation, additional site investigation activities have been initiated to address contaminants remaining at the site. Eleven additional test pits and/or borings were advanced across the site on April 27, 2017 to native material and/or groundwater to further evaluate the extent of fill material/incinerator ash. A total of 11 soil samples were collected. Preliminary lab results have identified concentrations of SVOCs (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and indeno(1,2,3-cd)pyrene) and TAL Metals (aluminum, antimony, arsenic, cadmium, lead, manganese, mercury, nickel, silver and/or zinc) above the NJDEP Default IGWSSL. In addition, lead was also detected above the RDCSRS and NRDCSRS in a number of samples and arsenic was detected above the direct contact standard (based on natural background) in 2 samples. As a result, soil samples exhibiting the highest concentration were activated for SPLP, in order to develop Site-Specific IGWSRS for these compounds. The results of SPLP analysis are pending.
- Since the fill material has been encountered vertically to a depth of up to 8 feet below grade, the fill material is within two feet of the seasonally high water table and requires that a groundwater investigation be conducted. Based on the results of the test pit/soil boring sampling investigations, three monitoring wells be installed within the area of the fill material. The locations of the proposed monitoring wells will be determined pending receipt of final soil sampling results. Following installation of the monitoring wells, groundwater samples will be collected and submitted to a NJ Certified Laboratory for analysis for SVOCs and TAL Metals (filtered and unfiltered). It is anticipated that monitoring well installation and sampling activities will be conducted in early-mid June 2017. If contaminants are detected in groundwater above the applicable GWQS,

the Remedial Timeframe Notification form will be completed to update the RI/RA timeframes. It is anticipated that this information should be available by June 30, 2017.

- Pending the results of the proposed groundwater sampling, the Borough of Spring Lake will address the requirements of Direct Oversight (if applicable), including a public participation plan, remediation cost review, and Administrative Consent Order.
- The ultimate goal of the investigation will be to allow for a Deed Notice to be established for the fill material. Once the extent of the fill material is determined via test pits/soil borings, additional soil sampling will be conducted to document that there is at least one foot of clean fill present above the ash/fill material. In addition, a CEA will be calculated for groundwater, if applicable.
- In addition, as required by the NJDEP, an updated Receptor Evaluation will be conducted, including an updated well search, to document the existence of human or ecological receptors and the actions taken to protect receptors.
- The results of the soil and groundwater investigation will be detailed in a Remedial Investigation Report prepared for submission to the NJDEP, including all NJDEP required forms.

Please feel free to contact me if you have any questions or to discuss the proposed remedial investigation activities.

Thank you,

Chris

Chris Neuffer, LSRP, CHMM

President

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From: Pinkstone, Raymond [mailto:Raymond.Pinkstone@dep.nj.gov]

Sent: Wednesday, May 10, 2017 11:11 AM

To: Chris Neuffer <Chris@envirotactics.com>

Cc: bdempsey@springlakeboro.org

Subject: PI# 009736 Spring Lake Boro DPW WTP

Re: Spring Lake Boro DPW WTP

5th Avenue & Atlantic Avenue

Spring Lake, NJ

PI# 009736

Activity LSR120001

Incident #02-11-21-1149-04

Chris,

Our records show that the Remedial Investigation for the referenced site was to be completed by 5/7/15 (Regulatory Timeframe) and has not been completed. The Mandatory Timeframe was 5/7/17.

If there is contamination to any media other than/or in addition to soil, please complete the Remedial Timeframe Notification Form (Section D) and submit that form to BCAIN. This will update the RI/RA timeframes.

If only soil is impacted, the site has missed the Mandatory Timeframe for the Remedial Investigation, and Direct Oversight applies. For Spring Lake Boro to comply with Direct Oversight, the LSRP must submit a public participation plan (N.J.A.C. 7:26C-14.2(b)9) and the initial remediation cost review (N.J.A.C. 7:26C-14.2(b)5). In addition, the government entity responsible for the remediation must sign an Administrative Consent Order with the NJDEP, which will memorialize their commitment to remediating the site. The government entity must also provide the NJDEP with documentation showing that remediation of the site is accounted for in the budget.

Please advise as to the status of the Remedial Investigation.

Sincerely,

Ray Pinkstone

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