

Furusetth, Arlene (MPCA)

From: Grape, Tim [tim.grape@aecom.com]
Sent: Thursday, August 12, 2010 2:58 PM
To: Furusetth, Arlene (MPCA)
Subject: RE: workplan request, Leak 15656, Alex Exhaust

Arlene,

You TOTALLY get my blood pressure up with your subject line. I was on the phone leaving a message when the email notification popped up and when I read the subject line I actually said "WHAT?!?" in the middle of my message. I needed a good laugh today!

Regarding the notification letters, all the letters were identical and the 3rd box (requiring follow up) was not checked on any of them.

I will get the chroms. from Pace for B-10 and B-13 GRO/DRO analytical ASAP.

I will put together a Work Plan for sealing the vapor points. What would you like to see for sealing documentation on these as they will not have MDH sealing records like monitoring wells? I can provide a one page Documentation Letter with attached photographs of the sealing activities or just a simple email documentation confirming the date they were sealed.

Thanks,

Tim

From: Furusetth, Arlene (MPCA) [mailto:Arlene.Furusetth@state.mn.us]
Sent: Thursday, August 12, 2010 2:12 PM
To: Grape, Tim
Subject: workplan request, Leak 15656, Alex Exhaust

Thought I'd get your blood pressure up with that subject line! We ARE closing this one, but have a couple loose ends to tie up.

We need the GRO and DRO chromatograms for the soil and ground water samples from borings B10 and B13. If you could just get these to us quickly we'd be grateful.

Question relating to the release notification letters: Were the letters all identical or did you check the 3rd box on any of them?

Then for the workplan, all we need is for you to seal the soil gas sampling points, VP1P and VP1.

Arlene

△This end up△



OBSELFCONFIG



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15656



ALEX EXHAUST



905 3RD AVE E



ALEXANDRIA



DOUGLAS



LS



LEAK SITE



TL



HYDROLOGIST REVIEW OF 4/20/10 REPORT



08-12-2010

Furuseth, Arlene (MPCA)

From: Stock, Paul (MPCA)
Sent: Thursday, August 12, 2010 11:07 AM
To: Furuseth, Arlene (MPCA)
Subject: Leak #15656. Alex Exhaust, Alexandria, MN

RE: my review of AECOM's 4.20.10 "Monitoring Report Guidance Document 4-08 (September 2008)" recommending closure.

In response to AECOM's 12.16.09 IRF recommending closure, we requested further investigation of the vapor intrusion pathway into the on-site building and better delineation of the extent of contamination to the NE and NW of contaminated boring B4.

The 4.20.10 MR documents installation of 2 permanent soil gas sampling points, VP1P, located outside the building adjacent to temporary soil gas sampling point VP1, and VP1(sub-slab), located inside the on-site building, during Nov09 and Feb10, respectively. VP1P was sampled on 11.10.09 and the results confirmed extremely high vapor phase petroleum (and possibly non-petroleum, e.g. Acetone, Methyl Ethyl Ketone) concentrations found in the 2007 VP1 sample. An indoor building survey and vapor monitoring were completed inside the on-site building during Nov09; no elevated field-detectable vapors were detected. An indoor building survey, vapor monitoring, and collection of a soil gas sample from VP1(sub-slab) were completed inside the on-site building during Feb10; no elevated field detectable vapors were detected. Concentrations of petroleum-related compounds were below 10XISVs in the sub-slab sample. I note that a floor drain was found in the building and suspect it could have been used to disposal of chemicals related to automotive maintenance and painting.

4 HSA borings (B10 – B13) were advanced during Nov09, including source area (former UST basin) boring advanced to 50 ft bgs; as such serving as the stratigraphic boring (B10). Soil headspace data from B11, drilled NE of B4, indicated contamination but AECOM did not collect required soil and ground water samples for laboratory analyses. Contamination was not detected in B12, drilled NW of B4, and B13, drilled E of B11. AECOM does not explain why they did not advance another boring N of B11 to complete delineation of contamination. Required GRO and DRO chromatograms for the boring soil and ground water samples are not provided.

I did not see copies of the "Petroleum Release Notification Follow-up" letters AECOM sent to nearby property owners on 4.16.10 in our file?

RECOMMENDATION

With reservations due to the poorly resolved contamination extent the N of B11 and SW of B1, I concur with AECOM's closure recommendation. The age of the release, clay geology (to 48 ft bgs), apparent lack of mobile LNAPL, relatively low COC concentrations in soil and ground water samples, lack of nearby drinking water wells and surface water resources, along with low vapor intrusion risks demonstrated by the sub-slab soil gas samples, all support AECOM's recommendation. If this site is redeveloped, I recommend that the developer enter the PBP for DRAP approval, especially if human-occupied structures are contemplated in the vicinity of VP1P.

Before officially closing the site, I recommend that you:

1. Request that AECOM provide the missing GRO and DRO chromatograms for the soil and ground water samples from borings B10 and B13.

2. Request copies of the "Petroleum Release Notification Follow-up" letters AECOM sent to nearby property owners on 4.16.10.
3. Request that AECOM remove the permanent soil gas sampling points VP1P and VP1(sub-slab).

Items 1 and 2 should be placed into the Leak site file. Let me know if you have any questions! Thanks!

Paul Stock

Hydrologist, Petroleum Remediation Program

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