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ST JULIENS CREEK
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LETTER AND VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY COMMENTS TO
VAPOR INTRUSION MONITORING SAMPLING AND ANALYSIS PLAN SITE 21
WORKSHEETS 10 AND 11 ST JULIENS CREEK ANNEX CHESAPEAKE VA
2/8/2011
VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

From: [Doran, Karen \(DEQ\)](#)
To: [Jones, Adrienne/VBO](#); [Bob Stroud](#); [Staszak, Janna/VBO](#); [Walter Bell](#)
Subject: Site 21 VI Monitoring SAP Wksts 10 & 11 - VDEQ comments
Date: Tuesday, February 08, 2011 10:54:28 AM

Team –

I have reviewed the referenced worksheets and submit the following VDEQ comments:

1. Worksheet 10, Occupied Buildings Description, second paragraph, sixth sentence – not sure if “piling-supported pilings” is a typo.
2. Worksheet 10, Occupied Buildings Description, second paragraph, seventh sentence – does the referenced drawing say “vapor barrier”? May want to include the drawing as an attachment in the final SAP. Also may want to include elevator pit drawing in the final SAP.
3. Worksheet 11, Who will use the data, first sentence – remove “results” or reword sentence.
4. Worksheet 11, What types of data are needed, weather measurements – what CVOC sampling is this referring to? Should this say COI sampling?
5. Worksheet 11, How much data should be collected – update this section to include baseline indoor air methane and hydrogen sulfide measurements as discussed during partnering.
6. Worksheet 11, How much data should be collected, first paragraph, fourth sentence – provide more information describing the refinement of building surveys.
7. Worksheet 11, How much data should be collected, first paragraph, last sentence – according to Figure 6, Building 1556 has only five subslab vapor measurement locations.
8. Worksheet 11, How much data should be collected – refer the reader to the appropriate figures in the text of this section.
9. Worksheet 11, Where, when, and how should the data be collected/generated – how will the explosive hazard subslab vapor measurements be collected? Are there subslab ports from the previous data collection events?
10. Worksheet 11, Where, when, and how should the data be collected/generated, second paragraph, second sentence – reword this sentence to include baseline indoor air methane and hydrogen sulfide measurements as discussed during partnering.
11. Figures 2 and 6 – update these figures with new data from baseline GW sampling event.
12. Figure 4 – include possible pilings in this figure.
13. Figure 7, Note 2 – update this note since we will have baseline indoor air methane and hydrogen sulfide data.
14. Figure 7, Note 3 – remove extraneous at the end of this note.
15. Figure 7, Notes box – format text size for consistency.
16. Figure 8, Box 1 – update to include baseline indoor air methane and hydrogen sulfide data.
17. Figure 8, Box 5 – remove first “COI”.

Thank you for the opportunity to comment.

Karen M. Doran

Remedial Project Manager

Federal Facilities Program

Department of Environmental Quality

629 East Main Street

Richmond, VA 23219

phone - 804.698.4594

karen.doran@deq.virginia.gov