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ST JULIENS CREEK
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LETTER AND U S NAVY COMMENTS TO VAPOR INTRUSION MONITORING SAMPLING AND ANALYSIS PLAN SITE 21 ST JULIENS CREEK ANNEX CHESAPEAKE VA
10/17/2011
NAVFAC MIDLANT

Jones, Adrienne/VBO

From: Bell, Walter J CIV NAVFAC MIDLANT, EV [walt.j.bell@navy.mil]
Sent: Monday, October 17, 2011 2:35 PM
To: Jones, Adrienne/VBO
Cc: Staszak, Janna/VBO; Bob Stroud; Karen.Doran@deq.virginia.gov
Subject: RE: Draft Site 21 VI Monitoring UFP-SAP Navy RPM comments
Signed By: walt.j.bell@navy.mil

Additional comment:

Please explain the source of the PQL goals on Worksheet 15-1. The scoping session indicated the team agreed to the same PQL goals as in the RI VI investigation SAP. (Worksheet 19-1 p. 35 top paragraph, last sentence.) However the basis for calculating PQL goals is 1/3 of the most conservative PQL in the RI VI investigation but appears to be 1/2 in the current investigation. Please add a reference note under Worksheet 15-1 to explain the origin of the PQL goals.

-----Original Message-----
From: Bell, Walter J CIV NAVFAC MIDLANT, EV
Sent: Monday, October 17, 2011 13:52
To: 'Adrienne.Jones@CH2M.com'
Cc: 'Janna.Staszak@CH2M.com'; Bob Stroud; 'Karen.Doran@deq.virginia.gov'
Subject: Draft Site 21 VI Monitoring UFP-SAP Navy RPM comments

I have completed my review of the Site 21 VI Monitoring UFP-SAP. Here are my comments:

1. Worksheet 10, Occupied Buildings Description first paragraph (Building 47). The SAP states that "Based on new knowledge, it is believed the building foundation may also include pilings. Additional foundation details have been requested and will be incorporated upon receipt."

A review of available Building 47 drawings found no conclusive evidence of foundation construction on pilings. However, it is known that Building 1556 foundation is constructed on pilings and this is not mentioned in Worksheet 10 and does not appear to affect the investigation approach. I am unclear as to why the presence of pilings is pertinent to a VI investigation at either building. If it is pertinent, please explain in the RTCs. If it is not pertinent, strike the two sentences quoted above from the worksheet.

2. SAP Worksheet 11; PAL table. Please provide an example conversion from 5000 ppmv to ug/m3 assuming 25 deg. C for CH4 and H2S. This may be provided in the RTCs as information only.

3. Worksheet #11, p. 49 of 114: "Types of data needed" question/Air inhalation risk category/last bullet. "Hydrogen samples collected..." should be "Hydrogen Sulfide samples collected...".

4. Worksheet #14, Field Investigation Activities, "Building Surveys". Please add a fourth bullet:

"Building surveys will be conducted when indicated by Figures 6 and 7. After a singular event that may affect building integrity (such as an earthquake greater than 4.0 (Richter scale) that is reported to be felt by the general population in Hampton Roads) a building survey will be conducted and the decision-making process will start with Box 17 of Figure 6."

Walt