

Staszak, Janna/VBO

From: Doran, Karen (DEQ) [Karen.Doran@deq.virginia.gov]
Sent: Wednesday, February 17, 2010 8:48 AM
To: Staszak, Janna/VBO; walt.j.bell@navy.mil; Stroud.Robert@epa.gov
Cc: Jones, Adrienne/VBO
Subject: RE: SJCA Site 2 Draft PP - RTC for VDEQ Comments

Perfect. This response is acceptable.

Thanks,
Karen

From: Janna.Staszak@CH2M.com [mailto:Janna.Staszak@CH2M.com]
Sent: Wednesday, February 17, 2010 8:31 AM
To: Doran, Karen (DEQ); walt.j.bell@navy.mil; Stroud.Robert@epa.gov
Cc: Adrienne.Jones@CH2M.com
Subject: RE: SJCA Site 2 Draft PP - RTC for VDEQ Comments

Hi Karen (and team),

To address your concern, I propose re-wording the RI description to the following (last 3 sentences changed):

Soil, groundwater, sediment, and surface water samples were collected to define the nature and extent of contamination and to evaluate potential human health and ecological risks. Results indicated there are concentrations of pesticides, PAHs, and inorganics in soil and sediment that pose potential risks to human health and the environment. VOCs were detected in surface water but the concentrations did not indicate an unacceptable risk. No risk from exposure to groundwater was identified; however, the source of the VOCs to surface water was unknown and a potential unidentified source within groundwater was suspected. The RI recommended additional investigation of all media to identify additional contamination sources and to delineate the nature and extent of contamination.

Please let me know if this revision addresses your concern? If so we will incorporate the changes and send the new version for Navy legal review.

Thanks,
Janna

From: Doran, Karen (DEQ) [mailto:Karen.Doran@deq.virginia.gov]
Sent: Tuesday, February 16, 2010 3:16 PM
To: Staszak, Janna/VBO; walt.j.bell@navy.mil; Stroud.Robert@epa.gov
Cc: Jones, Adrienne/VBO
Subject: RE: SJCA Site 2 Draft PP - RTC for VDEQ Comments

Janna -

All RTCs are acceptable except for the response to Comment #4:

4. **Comment:** Table 1, Site 2 Remedial Investigation summary, third sentence ("No risk from exposure to groundwater was identified"): How is this possible?

Response: The statement is correct; no unacceptable groundwater risks or hazards were identified during the Remedial Investigation (RI). No changes are proposed for the table for the public audience. However, the following more-detailed explanation is offered for VDEQ: The RI Human Health Risk Assessment (HHRA) evaluated the following exposure routes for groundwater:

- Current resident (adult): ingestion of and dermal contact with deep aquifer groundwater, and inhalation of volatiles from deep aquifer groundwater while showering
- Current resident (child): ingestion of and dermal contact with deep aquifer groundwater while bathing

- Future resident (adult): ingestion of and dermal contact with deep aquifer groundwater, and inhalation of volatiles from deep groundwater while showering.
- Future resident (child): ingestion of deep aquifer groundwater, and dermal contact with deep aquifer groundwater while bathing
- Future construction worker: dermal contact with shallow groundwater during excavation activities.

Potable use of shallow groundwater was not evaluated during the RI HHRA based on the fact that its current or future use was not reasonably anticipated. The evaluation of shallow groundwater for potable use was added during the Expanded RI HHRA.

Additionally, the monitoring wells where the highest concentrations of contaminants of concern have been detected were not installed until the Expanded RI. RI groundwater monitoring wells comprised SJS02-MW01S, -MW02S, -MW03S, -MW04S, -MW05S, -MW01D, -MW02D, and -MW05D.

Some of this information needs to be included in Table 1 in the PP because it is misleading as it is currently written. For instance, include that shallow groundwater was not included in the risk assessment but was included in the ERI risk assessment, that the high concentrations at the site were not identified until the ERI because of monitoring well locations, etc.

Thanks,
Karen

From: Janna.Staszak@CH2M.com [mailto:Janna.Staszak@CH2M.com]
Sent: Thursday, February 11, 2010 9:32 AM
To: Doran, Karen (DEQ); walt.j.bell@navy.mil; Stroud.Robert@epa.gov
Cc: Adrienne.Jones@CH2M.com
Subject: SJCA Site 2 Draft PP - RTC for VDEQ Comments

Karen and Team,

The responses to the VDEQ comments on the Draft Site 2 Proposed Plan are attached. Let me know if the responses are acceptable or if you have additional concerns.

Janna Staszak, P.E.
Associate Project Manager
CH2M HILL
5700 Cleveland Street, Suite 101
Virginia Beach, VA 23462
Direct - 757.671.6256
Fax - 703.376.5992
Mobile - 757.268.6136
www.ch2mhill.com