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LETTER AND REPLACEMENT PAGES FOR DRAFT FINAL SITE INSPECTION REPORT
SITES 4 AND 9 AREA OF CONCERN 3 (AOC3) NWS YORKTOWN CHEATHAM ANNEX
WILLIAMSBURG VA
12/30/2011
CH2M HILL



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CH2M HILL
5700 Cleveland Street,
Suite 101
Virginia Beach, VA 23462
Tel 757.518.9666

December 30, 2011

Commanding Officer
NAVFAC Mid-Atlantic, Bldg. N-26, Room 3300
Attention: Code OPHE3, Ms. Krista Parra
9742 Maryland Avenue
Norfolk, VA 23511-3095

Subject: Final Site Inspection Report
Site 4, Site 9, and Area of Concern 3; Cheatham Annex, Williamsburg, Virginia
Navy Clean Program - Contract N62470-08-D-1000, Contract Task Order 055

Dear Ms. Parra:

Enclosed please find one CD and replacement pages for the referenced document. Additional copies have been distributed to the individuals on the Cheatham Annex (CAX) Tier I Partnering Team as outlined in the distribution list below.

While revising the draft final document, we discovered the wrong shallow aquifer was cited for Sites 4 and 9 and AOC 3. The Yorktown Eastover aquifer, not the Cornwallis Cave, is the first aquifer encountered underneath all three sites. This change only affects the Background 95% UTL values used for the groundwater human health (HH) screening; however, these values are exactly same for both aquifers, except for these five constituents:

Constituent	Cornwallis Cave Aquifer Background 95% UTL (µg/L)	Yorktown Eastover Aquifer Background 95% UTL (µg/L)
Total Metals:		
Calcium	158,000	169,000
Iron	3,590	894
Magnesium	3,600	11,500
Potassium	3,490	12,700
Sodium	9,920	64,500
Dissolved Metals:		
Calcium	148,000	113,000
Iron	631	275
Magnesium	3,880	11,200
Potassium	1,710	12,600
Sodium	10,000	62,800

Four of these constituents (calcium, magnesium, potassium, and sodium) are essential nutrients, and the change in values has no affect on the HH screening. For iron, we have revised the HH screening with the new values, and there is no change to the conclusions or recommendations for all three sites. We have corrected the text and associated tables and figures and included them with the replacement pages.

To assist with updating your binder of the draft version, here are replacement page instructions:

Item	Instruction	Comment
Inner Title Page	Replace existing page	Changed to "Final" and "December 2011"
Executive Summary	Replace existing 2 pages	New copy to ensure your copy reflects any changes from the draft final to the final document
Contents	Replace all pages	New copy to ensure your copy reflects any changes from the draft final to the final document
Section 1	Replace all pages in this section	New copy to ensure your copy reflects any changes from the draft final to the final document
Section 2	Replace all pages in this section	New copy to ensure your copy reflects any changes from the draft final to the final document, plus corrected shallow aquifer identified in Section 2.4.1
Section 3	Replace all pages in this section	New copy to ensure your copy reflects any changes from the draft final to the final document, plus corrected shallow aquifer identified in Section 3.2.2
Table 3-3	Replace existing table	Revised to reflect the Yorktown Eastover Background 95% UTLs
Table 3-7	Replace existing table	Review of the document showed that the footer in this table did not print correctly in the draft final document
Figure 3-1	Replace existing figure	Revised to reflect the Yorktown Eastover as the uppermost aquifer underneath the site
Figure 3-2	Replace existing figure	Revised to reflect the Yorktown Eastover as the uppermost aquifer underneath the sites
Figure 3-9	Replace existing figure	Revised to reflect the Yorktown Eastover Background 95% UTL for iron in the Screening Criteria table
Section 4	Replace all pages in this section	New copy to ensure your copy reflects any changes from the draft final to the final document, plus corrected shallow aquifer identified in Section 4.2.2
Table 4-3	Replace existing table	Revised to reflect the Yorktown Eastover Background 95% UTLs
Figure 4-1	Replace existing figure	Revised to reflect the Yorktown Eastover as the uppermost aquifer underneath the site
Figure 4-5	Replace existing figure	Revised to reflect the Yorktown Eastover Background 95% UTL for iron in the Screening Criteria table
Section 5	Replace all pages in this section	New copy to ensure your copy reflects any changes from the draft final to the final document, plus corrected shallow aquifer identified in Section 5.2.2

Item	Instruction	Comment
Table 5-3	Replace existing table	Revised to reflect the Yorktown Eastover Background 95% UTLs
Figure 5-7	Replace existing figure	Revised to reflect the Yorktown Eastover Background 95% UTL for iron in the Screening Criteria table
Section 6	Replace all pages in this section	New copy to ensure your copy reflects any changes from the draft final to the final document
Table 2.3 (Site 4)	Replace existing table in Appendix A, Attachment A.1	Revised to reflect the Yorktown Eastover Background 95% UTLs
Table 2.4a/Table 2.5 (Site 9)	Replace existing page in Appendix A, Attachment A.2	Revised Table 2.5 to reflect the Yorktown Eastover Background 95% UTLs
Table 2.3 (AOC 3)	Replace existing page in Appendix A, Attachment A.3	Revised to reflect the Yorktown Eastover Background 95% UTLs
Appendix B, Pages B-1 to B-21	Replace all pages	New copy to ensure your copy reflects any changes from the draft final to the final document
Appendix B, Tables B-1 to B-41	Replace all pages	New table, Table B-4a, added, plus page numbering changed from 94 to 95
Response to Comments	Add to binder after Appendix I	Reflects all comments and responses received for the document
Cover and spine	Replace existing ones	Changed to "Final" and "December 2011"
CD	Replace existing one	New pdf of whole document – final version

If you have any questions or comments regarding the enclosed document, please feel free to contact Marlene Ivester at (757) 873-1442, ext. 41634 or me at (757) 671-6273.

Sincerely,

CH2M HILL



Stephanie Sawyer
Project Manager

cc: Mr. John Burchette/USEPA Region 3 – 1 full hardcopy, 1 CD
Mr. Wade Smith/VDEQ – 1 copy of replacement pages, 1 CD
Ms. Marlene Ivester/CH2M HILL – 1 copy of replacement pages, 1 CD
Ms. Bonnie Capito/NAVFAC Atlantic – 1 full hardcopy, 1 CD
Project File – 2 copies of replacement pages, 2 CDs