



DEPARTMENT OF THE NAVY
CRANE DIVISION
NAVAL SURFACE WARFARE CENTER
300 HIGHWAY 361
CRANE INDIANA 47522-5001

IN REPLY REFER TO
5090/S4.7.1
Ser RP3/5001

4 JAN 2005

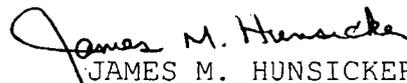
U.S. Environmental Protection Agency, Region V
Waste, Pesticides, & Toxics Division
Waste Management Branch
Corrective Action Section
77 West Jackson Blvd.
Chicago, IL 60604

Dear Mr. Ramanauskas:

Crane Division, Naval Surface Warfare Center submits a request to modify the long-term ground water monitoring program for Solid Waste Management Units (SWMUs) 13 (Mine Fill B) and 16 (Cast High Explosive Fill/B146 Incinerator). Specifics of the request are detailed in enclosure (1). The long-term monitoring program was set forth in the Quality Assurance Project Plan Addendum Number 2 for SWMUs 12 (Mine Fill A), 13, 16, and 19 (Pyrotechnic Test Area). The affected pages reflecting the proposed changes are presented in enclosure (2). The permit required Certification Statement is provided as enclosure (3).

If you require any further information, my point of contact is Mr. Thomas J. Brent, Code RP3-TB, at 812-854-6160, email thomas.brent@navy.mil.

Sincerely,


JAMES M. HUNSICKER

Manager, Environmental Protection
By direction of the Commanding Officer

Enclosures: 1. Request to Modify the Long-Term Ground Water
Monitoring Program for SWMUs 13 & 16
2. Change Pages
3. Certification Statement

Copy to:
ADMINISTRATIVE RECORD
SOUTHNAVFACENCOM (Code ES31) (w/o encl)
IDEM (Doug Griffin)
TTNUS (Ralph Basinski) (w/o encl)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.



SIGNATURE

Manager, Environmental Protection

TITLE

1/04/05

DATE

**QUALITY ASSURANCE PLAN (QAPP) ADDENDUM NO. 2 FOR MINE FILL A (SWMU 12),
MINE FILL B (SWMU 13), CAST HIGH EXPLOSIVE FILL/B-146 INCINERATION (SWMU 16)
AND PYROTECHNIC TEST AREA (SWMU 19)
NSWC CRANE
REQUEST FOR MODIFICATION
DECEMBER 27, 2004**

SWMU 13 – Substitution of Monitoring Well 13MWT01 for 13MWT02: Monitoring well 13MWT02 is included in the long-term monitoring program as a clean shallow well. Monitoring well 13MWT02 is located on the northeast side of SWMU 13 and is laterally upgradient of all SWMU activities. This well is clean (e.g., RDX has not been detected in the well). However, this well does not produce much water. The well purging records for well 13MWT01 were reviewed, and these indicated that the ability of this well to produce water was better than well 03MWT02. Well 13MWT01 is also located on the northeast side of SWMU 13 and is also clean (RDX has not been detected). Therefore, monitoring well 13MWT01 would be a better choice for the long-term monitoring program.

SWMU 13 – Substitution of Monitoring Well 13MWT45 for 13MWT38: Monitoring well 13MWT38 is included in the long-term monitoring program as a clean deep well. Monitoring well 13MWT38 is located on the west-northwest side of SWMU 13 and is a deep monitoring well that is clean (e.g., RDX has not been detected in the well). However, this well does not produce much water. The well purging records for well 13MWT45 were reviewed, and these indicated that the ability of this well to produce water was better than well 03MWT38. Well 13MWT45 is also located on the west-northwest side of SWMU 13, is a deep monitoring well, and is also clean. Therefore, monitoring well 13MWT45 would be a better choice for the long-term monitoring program.

SWMU 16 – Deletion of Method 8015B Analysis: Method 8015B is used for the analyses of four volatile organic compounds (1,4-Dioxane, acetonitrile, isobutyl alcohol, and propionitrile) in order to attain risk-based target levels. 1,4-Dioxane, acetonitrile, and isobutyl alcohol have not been detected in any samples analyzed for volatile organic compounds (VOCs) in any media at NSWC Crane including the 271 samples collected at SWMU 16 in all media. The Crane database includes a total of 1258 samples including QC samples. Propionitrile has been detected only once at NSWC Crane in 16MWT15 (at a concentration of 26 µg/L, which is only slightly above the detection limit of 20 µg/L for propionitrile in groundwater). Therefore, analyses of long-term groundwater monitoring program samples by Method 8015B is proposed to be eliminated.

CHANGE PAGE	COMMENTS
Pages 1-35/1-36, both dated June 2004	Replace with Pages 1-35 (December 2004)/1-36 (June 2004)
Pages 3-7/3-8, both dated June 2004	Replace with Pages 3-7 (December 2004)/3-8 (June 2004)
Table 3-6	Replace existing Table 3-6 with Table 3-6 dated December 2004
Table 3-7	Replace existing Table 3-7 with Table 3-7 dated December 2004
Table 3-13	Facing page. No change to Table 3-13.
Table 3-14	Replace existing Table 3-14 with Table 3-14 dated December 2004
Table 3-15	Replace existing Table 3-15 with Table 3-15 dated December 2004

Brent, Thomas CIV NAVSURFWARCENDIV Crane, Code RP3-TB

From: Ramanauskas.Peter@epamail.epa.gov
Sent: Tuesday, January 04, 2005 1:37 PM
To: Gates, William H CIV EFDSOUTH
Cc: Basinski, Ralph (E-mail); Brent, Thomas CIV NAVSURFWARCENDIV Crane, Code RP3-TB
Subject: Re: FW: Proposed Modifications to SWMU 13 & 16 Long-Term GW Monitoring Program

Bill,

I've looked over the proposed modifications and am fine with the changes as proposed. Regarding the deletion of Method 8015B analyses, if there are SWMUs at Crane where these constituents were known to have been managed, they should be included in sampling/monitoring plans. For SWMU 16 media, you may delete the analysis as proposed.

Please let me know if you have any questions,
Pete

"Gates, William
H CIV EFDSOUTH"
<william.gates@navy.mil>

01/03/2005 02:57
PM

Peter Ramanauskas/R5/USEPA/US@EPA
cc

"Basinski, Ralph (E-mail)"
<basinskir@ttnus.com>, "Brent,
Thomas CIV NAVSURFWARCENDIV
Crane, Code RP3-TB"
<thomas.brent@navy.mil>
"Basinski, Ralph (E-mail)"
<basinskir@ttnus.com>, "Brent,
Thomas CIV NAVSURFWARCENDIV
Crane, Code RP3-TB"
<thomas.brent@navy.mil>

To
To
cc

bcc

Fax to

Subject
FW: Proposed Modifications to
SWMU 13 & 16 Long-Term GW
Monitoring Program

Pete,

Happy New Year!

The Tetra Tech field crew will mobilize tomorrow for continued fieldwork at SWMUs 8, 15, 18, 19, 20, OGTSL. Additionally continued MNA monitoring will be conducted at SWMUs 12, 13, 16. As discussed below we are requesting modifications to the 12/13/16 QAPP Addendum No. 2. Because SWMU 16 is in operation we are restricted to weekend work there. Consequently request your review/comment/approval of these mods by January 6 (before this coming weekend) if possible.

Tom will mail the hard copy request.

Thanks,
Bill

-----Original Message-----

From: Basinski, Ralph [mailto:BasinskiR@ttnus.com]
Sent: Thursday, December 30, 2004 15:21
To: Gates, William H CIV EFDSOUTH
Cc: Brent, Thomas CIV NAVSUREFWARCENDIV Crane, Code RP3-TB; Johnston, Tom
Subject: Proposed Modifications to SWMU 13 & 16 Long-Term GW Monitoring Program

PITT-12-4-045

December 27, 2004

Project No. N7448

Mr. William Gates (ES32)
Commander, Southern Division
Naval Facilities Engineering Command
2155 Eagle Drive, P.O. Box 190010
North Charleston, South Carolina 29419-9010

Reference: CLEAN Contract No. N62467-94-D-0888
Contract Task Order No. 0343

Subject: Request for Approval of Modifications to Quality Assurance Project Plan (QAPP) Addendum No. 2 for Mine Fill A (SWMU 12), Mine Fill B (SWMU 13), Cast High Explosive Fill/B146 Incinerator (SWMU 16), and Pyrotechnic Test Area (SWMU 12)
Dated June 2004

Dear Mr. Gates:

QAPP Addendum No. 2 for SWMUs 12, 13, 16, and 19 describes the long-term groundwater/surface water monitoring program for SWMUs 13 and 16. Approval is requested for the following modifications to the long-term monitoring programs for SWMUs 13 and 16.

SWMU 13 - Substitution of Monitoring Well 13MWT01 for 13MWT02: Monitoring well 13MWT02 is included in the long-term monitoring program as a clean shallow well. Monitoring well 13MWT02 is located on the northeast side of SWMU 13 and is laterally upgradient of all SWMU activities. This well is clean (e.g., RDX has not been detected in the well). However, this well does not produce much water. The well purging records for well 13MWT01 were reviewed, and these indicated that the ability of this well to produce water was better than well 03MWT02. Well 13MWT01 is also located on the northeast side of SWMU 13 and is also clean (RDX has not been detected). Therefore, monitoring well 13MWT01 would be a better choice for the long-term monitoring program.

SWMU 13 - Substitution of Monitoring Well 13MWT45 for 13MWT38: Monitoring well 13MWT38 is included in the long-term monitoring program as a clean deep well. Monitoring well 13MWT38 is located on the

west-northwest side of SWMU 13 and is a deep monitoring well that is clean (e.g., RDX has not been detected in the well). However, this well does not produce much water. The well purging records for well 13MWT45 were reviewed, and these indicated that the ability of this well to produce water was better than well 03MWT38. Well 13MWT45 is also located on the west-northwest side of SWMU 13, is a deep monitoring well, and is also clean. Therefore, monitoring well 13MWT45 would be a better choice for the long-term monitoring program.

SWMU 16 - Deletion of Method 8015B Analysis: Method 8015B is used for the analyses of four volatile organic compounds (1,4-Dioxane, acetonitrile, isobutyl alcohol, and propionitrile) in order to attain risk-based target levels. 1,4-Dioxane, acetonitrile, and isobutyl alcohol have not been detected in any

PITT-12-4-045
Mr. William Gates
Naval Facilities Engineering Command
December 27, 2004 - Page 2

samples analyzed for volatile organic compounds (VOCs) in any media at NSWC Crane including the 271 samples collected at SWMU 16 in all media. The Crane database includes a total of 1258 samples including QC samples. Propionitrile has been detected only once at NSWC Crane in 16MWT15 (at a concentration of 26 µg/L, which is only slightly above the detection limit of 20 µg/L for propionitrile in groundwater). Therefore, analyses of long-term groundwater monitoring program samples by Method 8015B is proposed to be eliminated.

Attached to this letter is the formal request for changes which would be submitted to U.S. EPA Region 5 including the change pages. These changes in monitoring wells at SWMU 13 would help to assure that samples could be actually collected to obtain data on long-term trends. The elimination of Method 8015B analyses at SWMU 16 would reduce costs, while still ensuring that long-term concentration trends for VOCs can be determined.

Please contact me (412) 921-8308 (email basinskir@ttnus.com) or Tom Johnston at (412) 921-8615 (email johnstont@ttnus.com) regarding any questions you may have pertaining to this document.

Sincerely,

Ralph R. Basinski
Task Order Manager

RRB/mlg
Enclosures

cc: Mr. Tom Brent, NSWC Crane (letter and 4 copies of enclosures)
Ms. Debra M. Humbert, TtNUS, Inc. (letter only)
Mr. Mark Perry, TtNUS, Inc. (letter and 1 copy of enclosures)
Mr. Ralph Basinski, TtNUS, Inc. (letter and 1 copy of enclosures)
Mr. Terry Rojahn, TtNUS, Inc. (letter and 1 copy of enclosures)
Mr. Jim Goerd, TtNUS, Inc. (letter and 1 copy of enclosures)
Mr. Colin Doolin, TtNUS, Inc. (letter and 1 copy of enclosures)
Mr. Stan Conti, TtNUS, Inc. (letter and 1 copy of enclosures)
NSWC Crane Library (1 copy of enclosures)
File Copy - CTO 343 (letter and enclosures) [attachment "Mods to 12, 13, 16, 19 QAPP Addendum No 2.pdf" deleted by Peter Ramanauskas/R5/USEPA/US]