



DEPARTMENT OF THE NAVY

CRANE DIVISION
NAVAL SURFACE WARFARE CENTER
300 HIGHWAY 361
CRANE, INDIANA 47522-5000

N00164.AR.000668
NSWC CRANE
5090.3a

IN REPLY REFER TO:

5090
Ser 095/1238

31 JUL 2001

U.S. Environmental Protection Agency, Region V
Waste, Pesticides, & Toxics Division
Waste Management Branch
Illinois, Indiana, and Michigan Section
ATTN: Mr. Peter Ramanauskas (DW-8J)
77 West Jackson Blvd.
Chicago, IL 60604

Dear Mr. Ramanauskas:

Crane Division, Naval Surface Warfare Center (NSWC Crane) submits change pages for the Final Mustard Gas Burial Grounds - Solid Waste Management Unit (SWMU) 01/12 - Phase III RCRA Facility Investigation Quality Assurance Project Plan (QAPP) and Health and Safety Plan (HASP). The change pages along with instructions for updating are provided as enclosure (1). The permit required Certification Statement is provided as enclosure (2).

NSWC Crane point of contact is Mr. Thomas J. Brent, Code 09510, telephone 812-854-6160.

Sincerely,

James M. Hunsicker
Director, Environmental
Protection Department
By direction of the Commander

Encl:

- (1) QAPP and HASP Change Pages for SWMU 01/12
- (2) Certification Statement

Copy to:

ADMINISTRATIVE RECORD
SOUTHNAVFACENCOM (Code 1864) (w/o encl)
IDEM (Doug Griffin)
TTNUS (Tom Johnston) (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.

James Herschler
SIGNATURE

Environmental Protection Department Manager
TITLE

7/31/01
DATE

Enclosure (2)

5090
Ser 095/1238

31 JUL 2001

The letter Ser 095/1238 was for the
submittal of replacement pages for the
Final Mustard Gas Burial Grounds QAPP and
HASP. The replacement pages have been
incorporated into the previously submitted
QAPP and HASP on 05/25/01.

**Instructions for
Updating Select Pages of the CTO 131/158 QAPP and HASP**

QAPP (Changes to Volume I only):

1. Remove the old QAPP Table of contents (pages 1 of 12 through 12 of 12) and replace with the new Table of Contents (pages 1 of 13 through 13 of 13) dated June 2001, Revision 1.
2. Remove pages 2-15 (May 2001) and 2-16 (May 2001) and replace with new pages 2-15 (June 2001) and 2-16 (May 2001). These pages are the front and back of a single sheet of paper.
3. Remove Pages 3-27 through 3-30 (two sheets of paper) and replace with new pages 3-27 through 3-30 (two sheets of paper). New pages 3-28 and 3-29 are dated June 2001; new pages 3-27 and 3-30 are unchanged and are dated May 2001.
4. Remove pages 7-3 and 7-4 (one sheet of paper), dated May 2001, and replace with page 7-3, dated June 2001, and page 7-4, dated May 2001 (one sheet of paper).

QAPP (Changes to Volume II only):

1. Insert the blank blue spacer page immediately after laboratory SOP OV-303.
2. Insert laboratory SOP OV-304 immediately behind laboratory SOP OV-303.

HASP:

1. Remove the old Table of contents (pages i through iv) and replace with the new Table of Contents (pages i through iv) dated June 2001, Revision 1.
2. Insert the attached Appendix Cover Sheets immediately behind the corresponding Tabbed dividers, by matching the title of each existing tabbed divider with the corresponding covers sheet.

Descriptions of Page Changes for CTO 131/158 QAPP

QAPP (Changes to Volume I only):

1. The Table of Contents is changed to reflect the insertion of Section 15 in the June 2001, revision 1 version of this document. **Note:** This change is not in response to EPA Region 5 comment.
2. The fax number for Mr. Tom Brent in Table 2-1 on page 2-15 is changed from "(812) 854-3981" to "(812) 854-4177." **Note:** This change is not in response to EPA Region 5 comment. The Date and revision number in the page 2-15 header are changed to reflect the June 2001 date and revision 1. Page 2-16 (unchanged) is included to maintain correct page numbering.
3. Table 3-16 on page 3-28 is updated in response to EPA Region 5 comment to indicate a 50% tolerance for precision of Thiodipropanol in solid and aqueous matrices (last line of table). In addition (not in response to EPA comment), the analytical method reference in the Table 3-16 secondary header is changed from "ECRC" (a typographical error) to "ECBC." The Date and revision number in the page 3-28 header are changed to reflect the June 2001 date and revision 1. Pages 3-27 (unchanged) is included to maintain correct page numbering.
4. Table 3-17 on page 3-29 is updated in response to EPA Region 5 comment to indicate "ECBC METHOD" as the analytical method rather than "TBD." The Date and revision number in the page 3-29 header are changed to reflect the June 2001 date and revision 1. Page 3-30 (unchanged) is included to maintain correct page numbering.
5. Table 7-1 on page 7-3 is updated in response to EPA Region 5 comment to reflect method 5035 (rather than 5035B) as the Solid sample preparation method for Appendix IX Volatile Organic Compounds (line 8, column 2 of the table). Page 7-4 (unchanged) is included to maintain correct page numbering.
6. In the second row, second column of Table 7-1 on page 7-3, "SW-846⁽³⁾8330" (a typographical error) is changed to "SW846 8330."
7. Tabbed divider (card stock) numbered "15" is provided to separate QAPP Section 14 from QAPP Section 15, which was added in the June 2001 revision.

QAPP (Changes to Volume I only):

Laboratory SOP OV-304 is being provided to complete the collection of SWLO laboratory SOPs provided in Volume II of the QAPP. The blank blue page is used to separate SOPs OV-303 and OV-304.

Descriptions of Select Page Changes for CTO 131/158 HASP

HASP:

1. A revised Table of Contents is provided for the HASP to replace an incomplete Table of Contents that was supplied with the May 2001 version of the HASP.
2. Cover Pages for the following appendices had inconsistent font or were missing from the original HASP and are provided for completeness:

Appendix A: Emergency Action Plan Pre-evaluation Checklist and Drill/Incidental Response Evaluation Form

Appendix G: Safe Work Permits

Appendix I: Unexploded Ordnance Standard operating Procedure

Appendix P: TtNUS Training

Appendix Q: Medical Surveillance Appendix R: Subcontractor Site Clearance

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Appendix S: Subcontractor Medical Surveillance

Appendix T: Subcontractor Medical Data Sheets

Appendix U: Subcontractor Training

Appendix V: Equipment Calibration

Appendix W: OSHA Poster