



DEPARTMENT OF THE NAVY

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

N00164.AR.000504  
NSWC CRANE  
5090.3a

IN REPLY REFER TO:

5090  
Ser 095/9239

18 DEC 1999

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 (NAVSURFWARCENDIV Crane) submits two copies of revision pages for the Cast High Explosive/B146 Incinerator Interim Measures Report (IMR) Addendum as enclosure (1). The revision pages convert the August 1999 Draft IMR into a Final. Enclosure (2) provides the response to the U.S. EPA comments. Enclosure (3) is the required Certification Statement.

NAVSURFWARCENDIV 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) Revision Pages for the B146 IMR Addendum
- (2) Response to U.S. EPA Comments
- (3) Certification Statement

Copy to:

ADMINISTRATIVE RECORD  
SOUTHNAVFACENCOM (Code 1864) (w/o encl)  
IDEM (Doug Griffin)  
MK (Alan Fosdick) (w/o encl)

**ERRATA SHEET**

**NSWC Crane, Crane, Indiana**

**Addendum #1  
Interim Measures Report, SWMU 16/16  
Cast High Explosive/Incinerator Building 146 Area**

**Revision 1  
December 1999**

**Replacement Pages**

- Remove and discard cover page and spine. Replace with attached cover page and spine dated December 1999 (green color).
- Remove and discard inside cover page and signature page. Replace with attached inside cover and signature pages dated December 1999 (Revision 1).
- Remove and discard pages 3-3, 3-4, and 3-5, and replace with attached pages 3-3, 3-4, and 3-5, dated 12/03/99.
- Remove and discard page 5-1 and replace with attached page 5-1, dated 12/03/99.

**Enclosure (1)**

5090  
Ser 095/9239

16 DEC 1999

The letter Ser 095/9236 was for the  
submittal of replacement pages for the  
Interim Measure Report Addendum #1 for Cast  
High/B-146. The replacement pages have  
been incorporated into the previously  
submitted Report on 09/14/99.

**NSWC Crane, Crane, Indiana  
Voluntary Interim Measures Report**

**Cast High Explosives / Incinerator Building**

**RESPONSE TO COMMENTS**

*Commentor: Peter Ramanauskas, US EPA Region V*

**COMMENT 1:** Just to clarify: the sump outlet pipes were plugged, correct? Have there been any overflows since the sump pumps were installed?

**RESPONSE 1:** Yes, the outlet pipes of the sumps were plugged with grout at both ends (see section 3.2, paragraph 3. Also see Figure 3.2, note 12). Overflows occurred during the operation period of the air stripper between May 1996 and late September 1997 as reported in section 3.2.1. The air stripper was decommissioned on September 26, 1996 at which time a 3-horsepower submersible pump was installed in each sump. No further overflows have been reported since the installation of these pumps.

**COMMENT 2:** In Section 3.3, the first bulleted sentence is incomplete.

**RESPONSE 2:** The sentence was revised as follows:  
"Sump leakage was suspected as a source of VOCs, therefore, two borings were drilled and sampled next to the west sump to determine if volatile organic compounds were present."

**COMMENT 3:** Can you elaborate a bit about the French Drains under Building 146? I'm not too clear on what these are.

**RESPONSE 3:** A 4" vitrified clay tile sewer pipe runs down the center of the building for the purpose of draining floor drains. There is also a run of pipe along both sides of the building foundation beneath the loading dock platform which serve to drain roof drains and interior floor drains. These lines were inadvertently referred to as French Drains. All these lines drained to the East and West sumps. No other French drains are located under Building 146. See Bureau of Yards and Docks drawing NO. 252853. The sections of text (3.4.1 and 5.1) referring to French drains have been modified.

**COMMENT 4:** I'm also not too clear on the connection between the broken sewer line and the west sump inlet line. Were these ever connected together or was the break on the sump inlet a result of the broken sewer line? It is confusing because Section 3.4.2 states that the "broken section of the sewer connected to the inlet of the west sump was excavated and satisfactorily repaired". If they were/are connected, why was/is the sewer line connected to the inlet of the sump? Were any soil samples taken from this area?

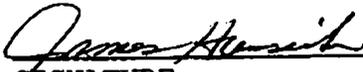
**RESPONSE 4:** Section 3.4.1 and Section 3.4.2 were modified. The third sentence of Section 3.4.1 was replaced with the following sentence:

"The smoke test also revealed a broken sewer line that allowed flow into the inlet pipe of the west sump."

Section 3.4.2 was replaced with the following section.

"The broken section of the sewer, which allowed water to enter the west sump inlet, was excavated and satisfactorily repaired in July 1996. Photographs of the broken sewer line excavation and repair are included in Appendix C, pages C-8 through C-15."

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

EVJ. PROT. Dept. Mg.  
TITLE

12/16/99  
DATE

Enclosure (3)