



DEPARTMENT OF THE NAVY

CRANE DIVISION
NAVAL SURFACE WARFARE CENTER
300 HIGHWAY 381
CRANE INDIANA 47522-5001

N00164.AR.000763
NSWC CRANE
5090.3a

IN REPLY REFER TO:

5090/S4.7.2
Ser 095/2297

06 SEP 2002

U.S. Environmental Protection Agency, Region V
Waste, Pesticides, & Toxics Division
Waste Management Branch
Corrective Action 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 for incorporation the replacement pages concerning your e-mail comment for the Supplemental Toxicity Report Revision 2. Two copies of the replacement pages are provided as enclosure (1). Enclosure (2) is the required certification statement.

NSWC Crane point of contact is Ms. Christine D. Freeman,
Code 09511, telephone 812-854-4423.

Sincerely,

JAMES M. HUNSICKER
Director Environmental Protection
Department
By Direction
of The Commander

Encl:

- (1) Replacement Pages for Supplemental Toxicity Report Rev. 2
- (2) Certification Statement

copy to:
Administrative Record
IDEM (Griffin)
SOUTHNAVFACENGCOM (Code ES32)
TolTest (Chevalier)

**Full Scale Bioremediation Facility
Supplemental Toxicity Report Revision 2
Dated May 2002
NSWC Crane, Crane, Indiana**

RESPONSE TO E-MAIL COMMENT AND ERRATA SHEET

A. Response to E-mail Comment

E-mail comment:

The report concludes that the increase in toxicity for the 2.5 year old sample may be due to infusion of leachate from the compost above. What component of the leachate is causing this toxicity? It seems that from the previous studies, the control windrows had a higher toxicity than those with explosives soils. I know we included Nitrate as a groundwater parameter to investigate compost effects to groundwater, but could there be another component of "uncured compost" such as ammonia that we should include in groundwater monitoring for SWMUs 12 & 13?

Resolution:

To address U.S.EPA concern of the potential for ammonia leaching to ground water, the second paragraph of section 5.0 has been modified with text added to the end of the paragraph. The text added is as follows, "To investigate compost effects to groundwater, ammonia and nitrate will be sampled for at MFA and MFB during the RCRA Facility Investigation to be conducted at MFA, MFB, Cast High Explosives/B-146 Incinerator, and Pyrotechnic Test Area (TiNUS, 2002). Nitrate will also be sampled in surface water for both MFA and MFB."

B. ERRATA SHEET

1. Remove page iii dated January 2002 and replace with page iii dated September 2002.
2. Remove page 5-1 dated January 2002 and replace with page 5-1 dated September 2002.
3. Remove page 6-1 dated January 2002 and replace with page 6-1 dated September 2002.

5090
Ser 095/2297

04 SEP 2002

The letter Ser 095/2297 was for the
submittal of response to comments and
replacement pages for the Final
Bioremediation Facility Supplemental
Toxicity Test Report Revision 2. The
replacement pages for the Report have been
incorporated into the previously submitted
Report on 01/28/02.

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

DIRECTOR, ENVIRONMENTAL PROTECTION DEPARTMENT
BY DIRECTION OF THE COMMANDER
TITLE

9/4/02
DATE

Brent Thomas J CNIN

From: Basinski, Ralph [BasinskiR@ttnus.com]
Sent: Thursday, September 05, 2002 10:49 AM
To: 'Bill Gates'; Brent Thomas J CNIN; Johnston, Tom; Haynie Rebekah; Whitten, Michael
Cc: Bernhardt, Aaron; Sinagoga, Leeann; Goldman, Mary Lou
Subject: NSWC Crane SWMU 4,5,9, 10 RFI Report Responses to EPA Comments



Response to EPA
Contractor Com...

Bill and Tom,

Attached are the responses to EPA's draft comments on the SWMU 4, 5, 9, 10 RFI Report. These responses are only intended to identify issues for discussion with EPA during the conference call scheduled for this afternoon.

Mike,

The responses to the Eco comment were prepared with Rebekah Haynie. If you have time, please review the responses and discuss them with Rebekah (412.021.8167). Please let me know if there are any significant modifications to the ecological responses once you get the documents.

Ralph

<<Response to EPA Contractor Comments on RFI Report SWMU45910 no HHRA.doc>>