

Admin. Review

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NSWC CRANE
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DEPARTMENT OF THE NAVY
NAVAL WEAPONS SUPPORT CENTER
CRANE, INDIANA 47522-5000

IN REPLY REFER TO:

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095
14 November 1991

Director, Waste Management Division
RCRA Permitting Branch (5HR-13)
U.S. Environmental Protection Agency, Region V
Attn: Ms. Carol Witt-Smith (Indiana Section)
230 South Dearborn Street
Chicago, IL 60604

Dear Ms. Witt-Smith:

Submitted for review is the Fifth RCRA Facility Investigation (RFI) Progress Report, covering August 1, 1991 through October 31, 1991. The requirement for submittal of this report was set forth in the Corrective Actions portion of the Hazardous Waste Part B Permit issued to Naval Weapons Support Center Crane (NWSCC) in January 1990.

NWSCC point of contact is Mr. Jim Hunsicker, Code 095, telephone 812-854-3233. Northern Division, Naval Facilities Engineering Command (NORTHNAVFACENGCOM) point of contact is Mr. Byron Brant, Code 1423/BB, telephone 215-897-6280.

Sincerely,

JOHN B. ALLEN
Acting Public Works Officer
Public Works Department

By direction of the

Commanding Officer

Encl:

- (1) Fifth RFI Progress Report, August 1, 1991 through October 31, 1991 for NWSCC
- (2) Certification Statement

Copy to:

NORTHNAVFACENGCOM, Philadelphia (Code 1423/BB)
COMNAVSEASYSOM (SEA 654E)
USAE-WES, BILL MURPHY (GG-YH)
USAE-WILMINGTON, BOB MAGEE (EN-GG)

**FIFTH RFI PROGRESS REPORT
01 AUGUST 1991 - 31 OCTOBER 1991
FOR
NAVAL WEAPONS SUPPORT CENTER, CRANE, INDIANA**

1. In compliance with the Corrective Action Requirements, Attachment III, of the Naval Weapons Support Center Crane (NWSCC) Final RCRA Permit, the following RCRA Facility Investigation (RFI) Progress Report is submitted. The report summarizes the Installation Restoration Program (IRP) RFI's at various SWMUs during the report period August through October, 1991.

2. Activities of this report period encompassed field investigations, laboratory analyses, work plan preparations, the third Technical Review Committee meeting, and report writing. A site-by-site status report follows.

3. **SITE: MUSTARD GAS BURIAL GROUNDS (MGBG) - SWMU: #01/12**

(a) **RFI Phase II Soils and Ground Water:**

The Navy submitted the Phase II Ground Water and Soils Draft Work Plan on 10 September 1991 to the USEPA and the TRC.

4. **SITE: DYE BURIAL GROUNDS (DBG) - SWMU: #02/11**

(a) **Interim Measure - Source Location:**

The geophysical study was conducted 23-27 January 1991. A draft report was submitted to the USEPA on 14 June 1991.

(b) **RFI Phase II Ground Water:**

The Draft Report "Geology, Hydrology and Phase II Ground-Water Quality Assessment of the Dye Burial Grounds..." has been completed, and was submitted to the USEPA on 4 March 1991 for review.

(c) **RFI Phase III Ground Water:**

A Data Package with the first round ground water sampling data was submitted on 19 September 1991. The second round ground water sampling Data Package should be submitted in November 1991. The third round of sampling is scheduled for early to mid November 1991. The estimated date for submission of the draft Phase III Ground Water Report to the USEPA is September 1992.

5. **SITE: AMMUNITION BURNING GROUND (ABG) - SWMU: #03/10**

(a) **RFI Phase III Ground Water:**

A third dye trace test of the Beech Creek Aquifer was performed on 30 June. The estimated date for submission of the draft Phase III Ground Water Report to the USEPA is January 1992.

(b) **RFI Phase II Surface Water:**

The first round of surface water sampling has been rescheduled for the late Winter or Spring of 1992 to due the extremely dry conditions NWSCC experienced in the late Summer of 1991. The estimated date for submission of the draft Phase II Surface Water Report to the USEPA is October 1992.

(c) **RFI Phase III Soils Sampling And Analysis:**

The draft Phase III, Part 1 Soils RFI Report is in preparation. The estimated date for submission of draft Part 1 Report to the USEPA is mid November 1991. The Part 2 soils effort will commence upon satisfactory review of the Part 1 findings.

6. **SITE: MCCOMISH GORGE (MG) - SWMU: #04/02**

(a) **RFI Phase II Soils Sampling and Analysis:**

The field sampling has been completed for the Phase II effort. The chemical and physical analyses are completed. The estimated date for submission of the draft Phase II Soils Report to the USEPA is January 1992.

(b) **RFI Interim Measure:**

An RFI Interim Measure Report for the McComish Gorge was submitted 22 August 1990 by the Navy. On 07 January 1991 the USEPA approved a revised Interim Measure report. The USEPA considers the Interim Measure to be complete.

(c) **RFI Phase III Ground Water:**

The Navy submitted the Phase III Ground Water Draft Work Plan to the USEPA and the TRC on 12 Aug 1991. The Work Plan addresses both this SWMU and SWMU #05/03, the Old Burn Pit.

7. **SITE: OLD BURN PIT (OBP) - SWMU: #05/03**

(a) **RFI Phase II Soils Sampling and Analysis:**

The field sampling has been completed for the Phase II effort. The chemical and physical analyses are completed. The estimated date for submission of the draft Phase II Soils Report to the USEPA and the TRC is early December 1991.

(b) **RFI Interim Measure:**

On 26 November 1990 an Interim Measure Drum Sampling Report for the Old Burn Pit was submitted to the USEPA for review. A subsequent addendum to the report was forwarded to the USEPA for review. On 07 January 1991 the USEPA approved the revised Interim Measure Report, a separate Interim Measure at the site which removed debris. The USEPA considers the Interim Measure to be complete.

(c) **RFI Phase III Ground Water:**

The Navy submitted the Phase III Ground Water Draft Work Plan to the USEPA and the TRC on 12 Aug 1991. The Work Plan addresses both this SWMU and SWMU #04/02, McComish Gorge.

8. **SITE: DEMOLITION AREA (DEMO) - SWMU: #06/09**

(a) **RFI Phase II Ground Water:**

A Data Package with the first round ground water sampling data was submitted on 19 September 1991. The second round ground water sampling Data Package should be submitted in November 1991. The third round of sampling is scheduled for early to mid November 1991. The estimated date for submission of the draft Phase III Ground Water Report to the USEPA is May 1992.

9. **SITE: OLD RIFLE RANGE (ORR) - SWMU: #07/09**

(a) **RFI Phase III Ground Water:**

A Data Package with the first round ground water sampling data was submitted on 19 September 1991. The second round ground water sampling Data Package should be submitted in November 1991. The third round of sampling is scheduled for early to mid November 1991. The estimated date for submission of the draft Phase III Ground Water Report to the

USEPA is June 1992.

(b) RFI Phase II Soils Sampling And Analysis:

Field work and laboratory analysis has been completed. The Draft Phase II Soils Report was submitted to the USEPA on 24 June 1991.

10. SITES: LOAD AND FILL BUILDING 106 POND (LF106) - SWMU: #08/17
MINE FILL A (MFA) - SWMU: #12/14
MINE FILL B (MFB) - SWMU: #13/14
PYROTECHNIC TEST AREA (PTA) - SWMU: #19/00

(a) RFI Phase I Environmental Monitoring Reports (EMRs):

The Phase I EMRs are being prepared and will be submitted to the USEPA and the TRC in early December 1991.

11. SITE: PESTICIDE CONTROL AREA/R-150 TANK BLDG. 2189 (PCA) - SWMU: #09/05

(a) RFI Phase III Soils and Phase III Ground Water:

The Phase III Soils and Phase III Ground Water Draft Work Plans have been combined and were submitted to the USEPA and the TRC on 9 August 1991 for review.

12. SITE: ROCKEYE - SWMU: #10/15

(a) RFI Phase III Ground Water:

A Data Package with the first round ground water sampling data was submitted on 19 September 1991. The second round ground water sampling Data Package should be submitted in November 1991. The third round of sampling is scheduled for early to mid November 1991. The estimated date for submission of the draft Phase III Ground Water Report to the USEPA is September 1992.

(b) RFI Phase II Soils Sampling And Analysis:

The field sampling effort was completed on 27 September 1990. The chemical and physical analyses are completed. The estimated date for submission of the draft Phase II Soils Report to the USEPA is January 1992.

13. **SITE: COMPRESSED GAS CYLINDER SITE - SWMU: #31/00**

(a) **Newly Identified SWMU:**

A report was submitted by the Navy on 12 June 1990. On 29 June 1990 the USEPA approved the Interim Measure and requested the removal be documented in a detailed report. On 13 September 1990 the Navy submitted the Interim Measure Report, documenting the removal of the gas cylinders, to the USEPA for review. A visual inspection indicated no soil contamination. The USEPA approved the corrective measure complete on 07 January 1991. The Navy will modify the permit.

14. The third Technical Review Committee (TRC) Meeting was held at NWSCC on 22 August 1991. The following federal, state, and local agencies and organizations were represented at the meeting:

NWSCC
Northern Division, Naval Facilities Engineering Command
Crane Army Ammunition Activity
U.S. Army Corps of Engineers, Waterways Experiment Station
U.S. Army Corps of Engineers, Wilmington District, NC
U.S. EPA
Indiana Department of Environmental Management
Indiana Department of Natural Resources
Monroe County
Daviess County
Padanaram/Imperial Lumber
the City of Bedford

The U.S. Fish and Wildlife Service; the U.S. Army Armament, Munitions, and Chemical Command; the U.S. Army Corps of Engineers, Louisville District, KY; Martin County; Greene County; Lawrence County; and the City of Bloomfield were not represented at the meeting. The following SWMUs were discussed: ORR, DBG, DBG, Rockeye, MG, OBP, PCA, and MGBG.

The next TRC meeting is scheduled for 12 December 1991, 9:00 AM, in Building 1 at NWSCC. The following SWMUs will be discussed: MGBG, ABG, OBP, LF106 Pond, PCA, MFA, MFB, and PTA.

15. The projected work to be performed for the next reporting period is as follows:

- (a) Preparation of the report for the second dye trace test for the Beech Creek Aquifer.
- (b) The third round of ground water sampling for the: DBG (SWMU

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- #02/11), Rokeye (SWMU #10/15), DEMO (SWMU #06/09), and ORR (SWMU #07/09).
- (c) Preparation and submission of the RFI Phase II Soils Reports for Rokeye (SWMU #10/15), MG (SWMU #04/02), and OBP (SWMU #05/03); and the RFI Phase III, Part A, Soils Report for ABG (SWMU #03/10).
- (d) Preparation and submission of the RFI Phase I Draft Environmental Monitoring Reports (EMRs) for the Load and Fill Building 106 Pond (SWMU #08/17), Mine Fill A (SWMU #12/14), Mine Fill B (SWMU #13/14), and the Pyrotechnic Test Area (SWMU #19/00). Preparation of RFI Phase I Draft EMRs for the Sanitary Landfill/Lithium Battery (SWMU #14/00), the Roads and Grounds Area (SWMU #15/06), and the Cast High Fill Explosive Area (SWMU #16/16).
- (e) TRC meeting(s).

Prepared by:

Byron Brant
Remedial Project Manager
Northern Division,
Naval Facilities Engineering Command

CERTIFICATION STATEMENT

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

J. B. ALLEN
Assistant Public Works Officer

TITLE

6 Nov 91
DATE

Enclosure (2)