



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

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NSWC CRANE  
5090.3a

IN REPLY REFER TO:  
5090/H11.9  
0924

0 4 MAR 1991

U.S. Environmental Protection Agency  
Region V  
Attn: Ms. Carol Witt-Smith (5HR-13)  
230 South Dearborn Street.  
Chicago, IL 60604

Dear Ms. Witt-Smith:

Submitted for review is the second RCRA Facility Investigation (RFI) Progress Report, covering December 1, 1990 through January 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. The permit currently calls for progress reports to be submitted on a bi-monthly basis to Region V EPA.

It is requested that NWSCC be allowed to submit these progress reports on a quarterly (three months) basis versus bi-monthly as specified in the permit. A quarterly report would more accurately reflect what progress had been made at each site and be a better working document.

NWSCC point of contact is Mr. Jim Hunsicker, Code 0924, 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,

*J. W. Hunsicker*  
Commander, CEC, USN  
Public Works Officer  
By direction of the  
Commanding Officer

Encl:

- (1) Second RFI Progress Report, December 1, 1990 through January 31, 1991
- (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)

1422/JC

**SECOND RFI PROGRESS REPORT**  
**01 DECEMBER 1990 - 31 JANUARY 1991**  
**NAVAL WEAPONS SUPPORT CENTER, CRANE, INDIANA**

1. In compliance with the Corrective Action Requirements, Attachment III, of the Naval Weapons Support Center (NWSC) Crane 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 (December 1990 through January 1991).

2. The Northern Division, Naval Facilities Engineering Command, has added a new member to the IRP Corrective Actions at the NWSC Crane. Byron Brant will assume Project Management responsibilities with the Technical Manager, Jeff Ciocco.

3. Activities of this report period encompassed field investigations, laboratory analysis, work plan preparations, Technical Review Committee arrangements, and report writing. Listed below are a site-by-site status report.

4. SITE: AMMUNITION BURNING GROUND SWMU: 03/10

(a) RFI Phase III Ground Water:

The Final Technical Report, Dye Trace of Beech Creek aquifer, Ammunition Burning Grounds, Technical Report GL-90-21 has been approved by the USEPA on 07 January 1991.

A third dye trace of the Beech Creek Aquifer is planned. Anticipate the test in Spring 1991.

Estimate draft Phase III Ground Water submission date to USEPA in September 1991.

(b) RFI Phase II Surface Waters:

The first round of surface water sampling planned has not yet been scheduled. Estimated draft Phase II Surface Water Report submission to USEPA on 15 April 1992.

Enclosure (1)

(c) RFI Phase III Soil Sampling And Analysis:

Field Work: Part 1 field work completed on 22 August 1990. Chemical Analysis is 100% complete (organics, explosives, pesticides/herbicides, pcb's, and inorganics). Physical Analysis is also 100% complete (sieve/hydrometer analysis, water content, Atterberg limits, organic content).

Draft Phase III, Part 1 Soils RFI report, is in preparation. Estimate draft Part 1 Report submission date to USEPA in May 1991. The Part 2 soils effort will commence upon review of the Part 1 findings.

5. SITE: DYE BURIAL GROUNDS

SWMU: 02/11

(a) Interim Measure - Source Location:

On 07 January 1991 the USEPA approved the Draft Interim Measure Work Plan for the Dye Burial Grounds Source Location. The geophysical study was conducted 23-27 January 1991. Data analysis is underway with a draft report to follow.

(b) RFI Phase II Ground Water:

The Final Draft Report "Geology, Hydrology and Phase II Ground-Water Quality Assessment of the Dye Burial Grounds..." has been completed. The final draft will be submitted on 29 February 1991.

(c) RFI Phase III Ground Water:

Ground water monitoring wells have been installed. The first round of quarterly ground water sampling will commence on 11 March 1991. The draft to the USEPA can be expected in July 1992.

6. SITE: ROCKEYE SWMU: 10/15

(a) RFI Phase III Ground Water:

The ground water monitoring well installation has been completed. The round one ground water sampling is scheduled to commence 11 March 1991. The draft Phase III Ground Water report is scheduled for submission to the USEPA in July 1992.

(b) RFI Phase II Soil Sampling And Analysis:

The field sampling effort was completed on 27 September 1991. The chemical analysis is 100% complete and the physical analysis is underway. The draft Phase II Soils Report is scheduled for submittal to the USEPA in June 1991.

7. SITE: DEMOLITION AREA SWMU: 06/09

(a) RFI Phase II Ground Water:

The monitoring well installation has been completed. Partial first-round ground water sampling was conducted by the USAE-WES. Thirty one (31) of the 49 identified wells in the Demolition Area/Old Rifle Range area were sampled from 26 November to 02 December 1990. Accelerated open detonation at the Demolition Area and deer hunting on weekends at the NWSC Crane during the sampling period prevented sampling of all of the wells. The remaining wells not sampled on 26 November 1990 (of first round) will be sampled on 11 March 1991. The sampling of the remainder well be complete the first round of ground water sampling at the Demolition Area/Old Rifle Range area. The draft Phase II Ground Water report is scheduled for submission to the USEPA on March 1992.

8. SITE: OLD RIFLE RANGE SWMU: 07/09

(a) RFI Phase III Ground Water:

The field effort has been completed and most of the wells have been sampled with the Demolition

Area for the first round (see paragraph 7. (a) above). The remainder of the first round ground water sampling will commence 11 March 1991. The estimated date for submission to the USEPA is April 1992.

(b) RFI Phase II Soil Sampling And Analysis.

Field work and laboratory analysis has been completed. The internal draft of the Phase II Soil Sampling Report has been submitted to the Navy for review. Expected delivery date of the draft report to the USEPA is April 1991.

9. SITE: OLD BURN PIT SWMU: 05/03

(a) RFI Phase II Soil Sampling and Analysis.

The field sampling has been completed for the Phase II effort. The chemical analysis is 100% complete and the physical analysis is 50% completed. Anticipated submission date of the draft report to the USEPA is June 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 has recently been forward to the USEPA for review. Pending USEPA comments, a removal action will be undertaken. On 07 January 1991 the USEPA approved the revised Interim Measure Report, a separate Interim Measure at the site which removed debris.

10. SITE: MCCOMISH GORGE SWMU: 04/02

(a) RFI Phase II Soil Sampling and Analysis.

The field sampling has been completed for the Phase II effort. The chemical analysis is 100% complete and the physical analysis is 50% completed. Anticipated submission date of the draft report to the USEPA is June 1991.

(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.

11. SITE: COMPRESSED GAS CYLINDER SITE SWMU: 31/00

(a) Newly Identified SWMU

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 for review the Interim Measure report documenting the removal of the gas cylinders. A visual inspection indicated no soil contamination. The USEPA approved on 07 January 1991 the corrective measure complete. The Navy will modify the permit.

12. SITE: MUSTARD GAS BURIAL GROUNDS SWMU: 01/12

(a) RFI Phase II Soil Sampling and Analysis.

The Navy requested and was granted an extension to the submission date of the Phase II Soil Sampling Plan. The extension was granted on 13 December 1990 and the due date for the plan is 18 May 1991. The Navy is presently preparing the work plan with the support of the Navy's technical experts in chemical weapons and radiation: (1) Radiological Affairs Support Office (RASO); Naval Ordnance Station, Indian Head, MD; (2) Ordnance Environmental Support Office (OESO); and the Explosive Ordnance Disposal (EOD) Crane Detachment, NWSC Crane.

13. A Technical Review Committee (TRC) has been established for the NWSC Crane. On 21 December 1991 the Commanding Officer, via the Public Affairs Officer (PAO), sent out invitation letters to 13 organizations. The letter requested a technical representative be appointed to the TRC. Eight (8) of the 13 organizations responded

positively, identifying their appointed representative. Per responses as of mid January 1991, the members of the Technical Review Committee will be as follows: (1) USEPA, (2) Department of Interior Fish and Wildlife Service, (3) Indiana Department of Natural Resources, Contaminants Program Manager, (4) Daviess County, (5) Martin County, (6) Monroe county, (7) City of Bedford, (8) City of Bloomfield. No response has been received by (1) Green County, (2) Lawrence County, (3) City of Loogootee, and (4) Village of Padanaram. The Indiana Department of Environmental Management, Hazardous Waste Management Branch, Solid and Hazardous Waste Management has regrestfully declined the Navy's offer to become a TRC member.

The TRC will meet quarterly and be chaired by the NWSC Crane Commanding Officer. Official minutes will be taken and distributed to all members at a date after the meeting. The first TRC meeting date is 02 April 1991, Building 1, at 1:00 PM. An invitation letter and agenda will be forwarded to all members well in advance of the meeting date.

14. The projected work for the next reporting period:

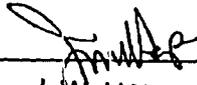
- (a) Preparation of the RFI Phase II Soil Reports for Old Rifle Range, Rockeye, McComish Gorge, and the Old Burn Pit and the RFI Phase III, Part A, Soil Report for the Ammunition Burning Ground;
- (b) Preparation of the RFI Phase II Soils Work Plans for the SWMU #01/12, the Mustard Gas Burial Grounds, and SWMU #09/03, the Pesticide Control Area/R150 Tank Area;
- (c) Establishment of the first TRC meeting date;
- (d) Ground water work plans

Prepared by:  
Jeff Ciocco  
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. W. HAYS

Commander, CEC, USN 04 MAR 1991  
Public Works Officer

TITLE

DATE

Enclosure (2)