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**DEPARTMENT OF THE NAVY**

NORTHERN DIVISION  
NAVAL FACILITIES ENGINEERING COMMAND  
BUILDING 77L, U.S. NAVAL BASE  
PHILADELPHIA, PENNSYLVANIA 19112-5094

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FOR THE MEMBERS OF THE TECHNICAL REVIEW COMMITTEE (TRC) FOR  
INSTALLATION RESTORATION PROGRAM CORRECTIVE ACTIONS AT NAVAL  
SURFACE WARFARE CENTER CRANE, IN

Enclosed are copies of the minutes and the list of attendees for  
TRC Meeting #4, held on 09 January 1992. Please contact Mr.  
William Schrock at (215) 897-6432 if you have any comments or  
questions on the minutes.

TRC Meeting #5 is tentatively scheduled for 16 April 1992, in  
Building 1 at 9:00 AM. We plan to discuss RCRA Facility  
Investigation (RFI) Draft Reports and recommendations for future  
corrective action at the Center.

The meeting is expected to last until 12:00 PM.

Sincerely,

WILLIAM C. SCHROCK  
Remedial Project Manager  
By direction of the Commanding Officer

**Distribution:**

- U. S. EPA Region V, Carol Witt-Smith
- NWSCC, Environmental Division, Jim Hunsicker (3 copies)
- AMCCOM, Mary Ann Rondinella
- CAAA, Stephan Schick
- US Army Corps of Engrs., Waterways Experiment Station, B Murphy
- US Army Corps of Engrs., Waterways Experiment Station, Dr J. May
- US Army Corps of Engrs., Wilmington Distr, Steve Norstedt
- US Army Corps of Engrs., Louisville Distr, Loren Christman
- US Fish and Wildlife Service, Dan Sparks
- Indiana Dept of Environmental Management, Thomas Linson(2 copies)
- Indiana Dept of Environmental Management, Reggie Baker
- Indiana Dept of Natural Resources, Dr. Wayne Faatz
- Daviess County, Janet Goodwin
- Greene County, Mark Ivy
- Lawrence County, Larry Walton
- Martin County, Larry Ziegler
- Monroe County, Tim Crouch
- City of Bedford, Jeanne Robinson
- City of Bloomfield, Gale Robbins
- Padanaram/Imperial Lumber, Aram Wright

MINUTES  
TECHNICAL REVIEW COMMITTEE MEETING #4  
09 JANUARY 1992  
NAVAL SURFACE WARFARE CENTER CRANE, INDIANA

Technical Review Committee (TRC) Meeting #4 was held at the Naval Surface Warfare Center Crane Division in Crane, Indiana on 09 January 1992. A copy of the agenda distributed at the meeting and the attendance list are attached.

A. Welcome

1. Captain Howard opened the meeting at 9:00 AM. He introduced himself as the new Commanding Officer of Crane, recently taking over for Capt. Johnson. Capt. Howard made several announcements concerning Crane operations:
  1. Crane would be changing its name to Naval Surface Warfare Center, Crane Division in the near future, and
  2. Crane would be consolidating with Naval Ordnance Station Louisville.He indicated that neither of these changes would alter the way Crane currently operated.
2. Captain Howard then turned the meeting over to Mr. Jim Hunsicker, Crane Environmental Director. Mr. Hunsicker had all attendees introduce themselves for the benefit of the new members. Mr. Hunsicker then introduced Mr. Byron Brant of Northern Division, who is the Remedial Project Manager for the Center.
3. Mr. Brant announced that he would be leaving Northern Division and introduced Mr. William Schrock as his successor. Mr. Brant then turned the meeting over to Kamala Powell, Army Corps of Engineers, Wilmington District, for technical presentations.

B. RFI Phase III, Part I, Soils Report, Ammunition Burning Ground (ABG)

1. Ms. Powell briefly described that this phase of work at the ABG began in August 1990. An overhead projector was used to illustrate work performed to date. The work consisted of the installation of twelve borings (3 background). Laboratory results indicate several inorganic compounds exceeded background levels in the area. She went on to explain that explosives were detected in the soils but that no PCB's were found. The report recommended a Phase III, Part II, Soils investigation be conducted. Ms. Powell then opened the floor for questions.
  - Q. What plans are to be taken to control soil erosion at the ABG?
  - A. The Center is currently working with the Waterways Experiment Station and the U.S. Fish & Wildlife in developing construction plans and specifications for a project to plant vegetation on the slopes of the ABG to control erosion. Work is expected to begin the summer on this project.

2. Mr. Brant indicated at this time that the Phase III Groundwater Report for the ABG was expected to be completed in several months. He asked Mr. Bill Murphy, Waterways Experiment Station, if he would briefly summarize the preliminary findings. Mr. Murphy indicated that TCE and RDX were showing up within the ABG proper and also in Spring "A". He felt that these results confirmed the results of the previous Dye Trace Test. Mr. Murphy went to say that he has not seen any connection between the ABG and off-post springs. Mr. Ciocco went on to explain that the Navy would be performing surface water and sediment sampling in Little Sulfur Creek that would provide additional information concerning the possibility of off-post contamination.

Q. Will the Navy revise the Quality Assurance Project Plan (QAPP) for the surface water sampling?

A. The Navy can revise the QAPP but had not intended to so. The Navy felt that no comments had been provided and therefore the QAPP had been approved. If comments were received quickly, the QAPP could be revised now since there is no flow in Little Sulfur Creek.

C. RFI Phase II Soils Fieldwork - Old Burn Pit (OBP)

1. Ms. Powell began with a brief history of the OBP, describing previous work efforts at the site. The current fieldwork consisted of nine soils borings, three of which were background. The results from this investigation are currently being reviewed and the report should be out within the next 5-6 weeks. It was pointed out that approximately a year ago additional work was performed in the area that included the sampling of drums near the surface and also sampling of a small creek that ran through the site. to determine if an immediate threat to humans or the environment existed. Results from this work indicated no toxic levels were present near the surface.

A Work Plan for the Phase III Groundwater effort has been prepared and reviewed by the EPA. Comments made by the EPA are currently being addressed and the revised Work Plan will be submitted within forty-five days.

Q. What will be the outcome of all this fieldwork and report preparation?

A. Following the completion of the reports we will move into the Feasibility Study and Risk Assessment Phase. These are required by law and they will determine the levels to which we clean-up and the method that will be used.

D. RFI Phase I EMR - SWMU's #08/17, #19/00, #12/14, & #13/14

Mr. Brant described that the Phase I EMR that the TRC had received was a summary of existing information and that no fieldwork had been done to prepare the report. Mr. Hunsicker then gave a summary of operations conducted at each SWMU. Any questions on the operations at these SWMU's could be directed to him or Tom Brent at the Center.

Mr. Brant concluded the discussion on the EMR by stating that further work (fieldwork) was recommended in the study.

E. Future Field Work and Reports

Mr. Brant outlined the following future work at the Center:

Fieldwork - Dye Burial Ground, Rockeye, Demolition Area, Old Rifle Range, Pest Control Area, Old Burn Pit, McComish Gorge, Ammunition Burning Ground, and Mustard Gas Burial Ground.

Q. Are nitrates being analyzed for?

A. The Navy will check its current results to determine if nitrates are being analyzed for, if they are not they will be added to the fourth round of samples to be taken. The Navy went on to state that they were looking to cut back on the number of parameters being analyzed for. The Navy will prepare a rational and back-up information and present to EPA for consideration.

Reports:

Draft RFI Phase II Soils - Rockeye, Old Burn Pit, and McComish Gorge;  
Draft RFI Phase III, Part I Soils - Ammunition Burning Ground;  
Draft RFI Phase III Groundwater - Ammunition Burning Ground;  
Draft Phase I EMR - SWMU's 14/00, 15/06, and 16/16  
Final RFI Phase II Groundwater - Dye Burial Ground  
Final RFI Phase I EMR - SWMU's 08/17, 12/14, 13/14, and 19/00

F. The following TRC members were not in attendance:  
U. S. Army Armament, Munitions & Chemical Command  
Indiana Department of Environmental Management  
Indiana Department of Natural Resources  
Greene County  
Lawrence County  
Martin County  
City of Bloomfield  
City of Bedford  
Padanaram/Imperial Lumber

G. The next TRC meeting was tentatively scheduled for Thursday, April 16 at 9:00 AM in Building 1.

INSTALLATIONS RESTORATION PROGRAM  
NAVAL WEAPONS SUPPORT CENTER CRANE, INDIANA  
TECHNICAL REVIEW COMMITTEE MEETING #4 9 JANUARY 1992

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NAME: THOMAS J. BRENT  
TITLE: ENVIRONMENTAL PROTECTION SPECIALIST  
REPRESENTING: NWSOC (CODE 095)  
MAILING ADDRESS (IF CHANGED FROM LAST MEETING):

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NAME: W.L. (Bill) Murphy  
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REPRESENTING: USACE Waterways Experiment Station (WES)  
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NAME: AL HARIUB  
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NAME: BILL SCHROCK  
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NAME: JEFFREY A. CIGOCKI  
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NAME: Steve Schick

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NAME: BYRON BRANT

TITLE: REMEDIAL PROJECT MANAGER

REPRESENTING: NORTH DIV

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NAME: KAMALA POWELL

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NAME: John W. Hays, CDR, US NAVY

TITLE: PUBLIC WORKS OFFICE

REPRESENTING: NUSC

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NAME: DALE L GROM

TITLE: SAFETY & OCCUPATIONAL HEALTH DEPT DIRECTOR

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NAME: *Jan Hunsicker*  
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NAME: *Tim R Crouch*  
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REPRESENTING: *Monroe Co. Health*  
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NAME: *Pedro J. De Jesus*  
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REPRESENTING: *NWSC*  
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NAME: *Janet M. Hoodwin*  
TITLE: *Councilperson*  
REPRESENTING: *Douglas County*  
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NAME: *Cathy Andrews*  
TITLE: *ENVIRONMENTAL MANAGEMENT OFFICER*  
REPRESENTING: *NWSC Crane*  
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NAME: *JEFF MALETZKE*  
TITLE: *HYDROGEOLOGIST / PROJECT MANAGER*  
REPRESENTING: *DONOHUE ASSOC.*  
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PHONE # (IF CHANGED FROM LAST MEETING):

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NAME: *ROB CANNESTRA*  
TITLE: *HYDROGEOLOGIST / PROJECT MANAGER*  
REPRESENTING: *DONOHUE AND ASSOCIATES*  
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NAME: *James H. May*  
TITLE: *Hydrogeologist / Technical Program Manager*  
REPRESENTING: *Waterways Experiment Station, WE*  
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NAME: *Carol Witt-Smith*  
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NAME: *Scott A. Sobiech*  
TITLE: *Environmental Contaminants Specialist*  
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NAME: LOREN CHRISTMAN  
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PHONE # (IF CHANGED FROM LAST MEETING): 502-582-~~211~~ 6516

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27 November 1991

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Dear 5--:

Due to unreconcilable schedule conflicts, meeting #4 of the Naval Weapons Support Center Crane Technical Review Committee, originally planned for 12 December 1991, has been rescheduled for Thursday, 9 January 1992. The meeting will be held in the Building 1 Conference Room, beginning at 9:00 a.m, and ending at approximately 12:30 p.m.

We plan to discuss RCRA Facility Investigation (RFI) Draft Reports and recommendations for future corrective actions for the following Solid Waste Management Units (SWMUs):

the Ammunition Burning Grounds, SWMU #03/10;  
McComish Gorge, SWMU #04/02;  
the Old Burn Pit, SWMU #05/03; and  
Rockeye, SWMU #10/15.

We will also discuss RFI Phase I Draft Environmental Monitoring Reports and recommendations for future corrective actions for the following SWMUs:

the Load and Fill Area, Building 106 Pond, SWMU #08/17;  
the Pyrotechnic Test Area, SWMU #19/00;  
Mine Fill A, SWMU #12/14; and  
Mine Fill B, SWMU #13/14.

Please let us know if you will be able to join us for this important meeting of the NWSC Crane TRC. If you are unable to attend, we request that you send a technical representative in your place. Responses and requests for further information regarding the Installation Restoration Program should be directed to me at Building 1, Code PA, Naval Weapons Support Center, Crane, IN 47522-5000, telephone 812-854-1394/1424 or Autovon 482-1394/1424.

Sincerely,