



DEPARTMENT OF THE NAVY

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

IN REPLY REFER TO  
5090

Ser 095/7101  
May 27, 1997

4-29-1997

MEMORANDUM

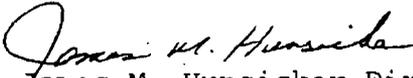
From: Installation Co-Chair  
To: Restoration Advisory Board Members  
Subj: RESTORATION ADVISORY BOARD (RAB) MEETING  
Encl: (1) April 29, 1997 RAB Meeting Minutes

Crane Division, Naval Surface Warfare Center (NAVSURFWARCENDIV Crane) conducted, on center, a RAB meeting on April 29, 1997. Enclosure (1) is a copy of the minutes from that meeting.

The next NAVSURFWARCENDIV Crane RAB meeting is scheduled for Tuesday, August 5, 1997. The meeting will take place on Center at Building 3241 in conference room B-C from 1200 to 1600. A reminder and an agenda will be sent out about two weeks prior to the meeting. Your ideas and input for additional topics to, or presentations for, the agenda would be especially welcome. Currently, the proposed agenda for the August meeting includes:

- Presentations concerning results of the pilot scale operation and current status of full scale operations at the Bioremediation Facility (tour possible)
- Status of interim measures work being performed at the Dye Burial Ground (SWMU 2/11)
- Continued comment and revision of the NAVSURFWARCENDIV Installation Restoration Community Relations Plan
- An update on the NAVSURFWARCENDIV Crane Risk Assessments, including the progress of the Indiana Bat surveys

For questions, comments, or information, please contact NAVSURFWARCENDIV Crane POC, Ms. Christine D. Freeman, Code 09511, telephone 812-854-4423.

  
James M. Hunsicker Director,  
Environmental Protection Dept.

Subj: RESTORATION ADVISORY BOARD (RAB) MEETING

Distribution:

ADMINISTRATIVE RECORD

COMMUNITY MEMBERS

David R. Cox

Teresa A. Ellis

Larry G. Hazelwood

John H. Longfellow

Thomas P. Medina

Jeffery A. Myers

Scott Nally

James Parker

Karmen D. Wagler

IDEM (J. Manley)

IDEM (M. Timmermann)

MK

NAVSEASYSKOM (SEA 00T)

NAVSURFWARCENDIV Crane (09)

NAVSURFWARCENDIV Crane (OC)

NAVSURFWARCENDIV Crane (OICC)

NAVSURFWARCENDIV Crane (PA)

NAVSURFWARCENDIV Crane (PPO)

SIOCN-SF (D. Johnson)

SOUTHNAVFACENGCOM (CODE 1864)

USEPA Region V (DRP-8J)

USCEWES (GG)

## **Restoration Advisory Board Meeting Minutes April 29, 1997**

Crane Division, Naval Surface Warfare Center (NAVSURFWARCENDIV Crane) conducted a Restoration Advisory Board Meeting, Tuesday, April 29, 1997, on Center in Crane, IN, at Building 3241 in conference room B. From 1215 to 1445 hours an informal meeting was called to order. See Attachment (1) for the list of attendees. Attendees were given a packet containing information concerning the meeting topics and much of that same information was introduced during the presentations. Attendees were also given the opportunity to ask questions during and after each presentation. The meeting was opened by Mr. Jim Hunsicker, Installation Co-chair and Environmental Protection Department Manager, who went over the agenda of the meeting.

The first item on the agenda was presented by Mr. Tim Callahan from the Public Affairs Office. He addressed the review and update of the Installation (IR) Program Community Relations Plan (CRP) for NAVSURFWARCENDIV Crane. In his overview, Mr. Callahan gave a brief review of each section of the current CRP noting specific items that would need to be updated. Each attendee was given a summary of the RCRA Public Participation Plan written by the community Co-chair, Ms. Teresa Ellis, to review in preparation for the next RAB meeting. It was suggested that the CRP be addressed in detail at the next RAB meeting. Mrs. Ellis suggested that Section 6 "Relations Activities" include a time table for activities as recommended in the RCRA Public Participation Plan. Discussion of Section 8 "Information Resources" focused on location of repositories and information to be stored there. Ms. Carol Witt-Smith from the EPA suggested that fact sheets could be used in place of entire administrative records. This would save space in the repositories. It was reported that the Bedford Public Library has asked that the repository be moved to another location. The courthouse was suggested as a possibility. No further action was taken at this time. Mr. Callahan said he would expand the mailing list to include EPA and IDEM as well as update the list of current legislators and other local interested parties. Mr. Callahan also said that a Center Web page is being developed and that the Environmental Department should have its own Home Page.

After a brief break, Mr. Hunsicker introduced Mr. Tom Brent who presented an update on the Indiana Bat food chain surveys for the NAVSURFWASCENDIV Crane Risk Assessment. Mr. Brent indicated that NAVSURFWARCENDIV Crane along with U.S. Army Corps of Engineers, Waterways Experiment Station would be collecting insects in the area where the Indiana Bat was found last summer. The insects will be studied for possible contaminants that might be in the bat's food chain. The survey will be conducted in early summer. Mr. Brent indicated that, if there is a presence of contaminants in the insects, a surrogate bat will then be collected and a blood sample from that bat studied.

Mr. Hunsicker then introduced Mr. Martin Wilson, field operations manager, from Morrison Knudsen Corporation (MK). Mr. Wilson presented a status report for the Dye Burial Grounds Remediation (SWMU 02/11). Mr. Wilson discussed background information concerning the

site. The site has been monitored daily to assure the plastic remains intact over the cap area and to assure no leaks have developed in the tanks. Water samples were collected from the six 20,000 gallon portable frac tanks and sent to Calgon Carbon for execution of a treatability study. The water samples were processed through activated carbon at Calgon's facility which successfully removed the color. However, a "tic" was noticed which indicated an unknown contaminant. It was determined that some metals were present below hazardous waste levels but characterization and quantities were not reported at this time. After characterization of the contaminants, a final treatment will be established. Mr. Wilson reported that MK is currently working with the U.S. Navy and the U.S. EPA dye experts to characterize the dye found in the water and the soil. It is expected that the contaminants will be characterized by comparing the dye material to a set of forty-five standards of dye which have been used at NWSC Crane. Mr. Wilson also reported that MK has submitted a proposed design for a modified cap for the contaminated area. This design expands the cap to cover the bulk of remaining dye which falls outside of the previously designed cap area.

Mr. Wilson then changed his topic of discussion to an update on the construction and remediation schedule for the Bioremediation Facility. After a brief discussion on the background of the facility, Mr. Wilson gave the status of construction. Mr. Wilson stated that construction is projected to be complete by mid-May. The dry-run tests, which are clean soil practice piles, are being conducted in Building #2. Eight recipes were initially selected for potential use. Some of the eight recipes were tested with clean soil to determine if they would "heat-up" to temperatures that would be conducive to reduction of explosives. The recipes tested were generally turned daily and monitored for temperature before and after turning. The recipes were also monitored for oxygen and moisture. Recipes #3 and #4 failed to heat-up and became unworkable with the consistency of mud after too much moisture was added. The two piles were discarded after eight days. Recipes #1 and #6 exhibited early heating, but temperatures dropped off after water was added to adjust moisture. The best heating was observed in recipes #2, #5, and #7. As a result of information gathered from the dry-run tests and input from EPA, Region V, additional recipes are being tested using the Dewar Self-heating Test Kit. A total of fourteen different recipes are being tested with contaminated soil from Mine Fill A. Each recipe will be tested twice to provide some assurance that a representative test was conducted. The tests are being conducted at Woods End Lab in batches of seven recipes (with duplicates). Tests on the first batch have been completed and the second batch were shipped April 28, 1997 to be tested. Resulting temperature profiles and explosive degradation results will be used to select recipes for use in pilot scale operation. The final selection will be made by a core team of representatives from the U.S. Navy and the U.S. EPA Region V. Mr. Scott Nally from Perdue Farms cautioned Morrison Knudsen to beware of high fat content manure because it can shut down a reaction. He offered to send data on this subject to MK. Mr. Wilson reported that pilot scale operation is scheduled to begin in June, 1997, after facility construction and the Dewar Tests are complete. The first pilot testing will be conducted with uncontaminated (clean) soil, utilizing recipes which exhibited favorable characteristics during the Dewar Tests. Initial pilot testing will be conducted as though the media were contaminated as a "practice run" for later operation with contaminated media. Personnel protective equipment (PPE) will be used and equipment decontamination will be employed. The clean soil tests will run for a minimum of thirty days.

The contaminated soil will run for a minimum of thirty days; longer if cleanup goals have not been met and degradation is still evident. Selection of a mix recipe for full scale operation will be based on the effectiveness of remediation and the costs of the amendment blend. Full scale plans will be developed based on the results of the pilot scale testing. Full scale operation is expected to begin Fall, 1997.

During the question and comment portion of Mr. Wilson's presentation, Ms. Ellis raised concerns about the heavy personnel requirements for the three sites at which Morrison Knudsen are presently contracted. Mr. Wilson explained that because this is a pilot operation and that there is a lot of national interest in the facility, it is necessary to maintain current personnel load to ensure quality and contractual agreements are met. Once full scale operation is begun, personnel requirements may be reduced to reflect the needs.

It was discussed that an opening ceremony complete with ribbon cutting for the Bioremediation Facility is scheduled to be conducted on May 27 or 28, 1997.

General business of the RAB included a brief discussion of attendance policy enforcement. A resignation letter was received from Mr. Thomas Medina of Scotland. The last invitation letter stated that three RAB members have been absent from three or more meetings each. The letter requested their presence at the April RAB meeting or requested that they send in a letter of resignation to one of the RAB co-chairs. Mr. Nally made a motion to remove the inactive members of the RAB. The motion was seconded by Mr. Jeff Myers to remove Mr. John H. Longfellow, Mr. James Parker, and Ms. Karmen Wagler from the NAVSURFWARCENDIV RAB. Members present voted unanimously to accept the motion.

A tour of the Bioremediation Facility was offered for any interested parties. Due to safety concerns during construction, the RAB members were not allowed to enter the facility. The RAB meeting was adjourned at 1445.

**RESTORATION ADVISORY BOARD  
MEETING ATTENDEES LIST  
FOR APRIL 29, 1997**

NAME	TELEPHONE & FAX	ORGANIZATION REPRESENTED AND MAILING ADDRESS
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Teresa Ellis	384-3087	Bloomfield
Christine D Freeman	854-4423	NSWC Crane Env. Pict. Dept.
James May	641-634- <del>3355</del> <sup>3355</sup>	U.S. Army WES
THOMAS J. BRENT	(812)854-6160	CRANE NSWC
Cathy Andrews	812-854-3391	CRANE DIVISION NSWC
Rafael S. De Jesus	812-854-1130	Crane Div. (Cuboc) NSWC
Carol Wil-Smith	312 886 6105 312 <del>886</del> <sup>353</sup> 4788 FAX	U.S. EPA E-mail: Wil-Smith, Carol @ CERMAIL.EPA.GOV
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Jim H. BICKER	812-854-323	NSWC EDD. PROT DEPT MGA
MARTIN NELSON	812 854-6941	Mollison Knowsen Field Operations MGR
Jim Ferro	863 820 7483	Southern Division Naval Facilities Engr Cmd
Helene Towne Wilson	863-820-5582	"
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**RESTORATION ADVISORY BOARD  
MEETING ATTENDEES LIST  
FOR APRIL 29, 1997**

NAME	TELEPHONE & FAX	ORGANIZATION REPRESENTED AND MAILING ADDRESS
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Brent Robertson	854-3318	OICC Crane
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