

September 23, 1993

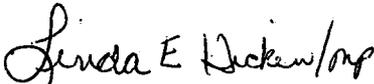
Commanding Officer
SOUTHNAVFACENGCOM
Chris Bartku; Code 1862
P.O. Box 190010
North Charleston, SC 29419-9010

RE: Naval Industrial Reserve Ordnance Plant
Fridley, Minnesota
Contract No. N62472-90-C-1024

Dear Chris:

Enclosed for your use, are two copies of the final notes from Technical Review Committee meeting #18 that was held at the NIROP Fridley on August 26, 1993. Other copies of these notes have been distributed according to the attached distribution list.

Sincerely,



Linda E. Hicken, P.E.
Project Manager

tlc

Enclosure

RMT, Inc. — MADISON

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Defense Plant Representative Office FMC-Minneapolis Attn: Commander Mike Stephenson 4800 East River Road Minneapolis, MN 55421-5094	1
FMC Corporation Attn: Richard Police 4800 East River Road Minneapolis, MN 55421	1
B&V Waste Science & Technology Corp. Attn: Margaret Casserly 230 West Monroe St.; Suite 2250 Chicago, IL 60606	1

**MINUTES OF THE AUGUST 26, 1993
TECHNICAL REVIEW COMMITTEE MEETING 18
FOR THE NIROP FRIDLEY, MINNESOTA**

A copy of the agenda and the list of attendees are attached.

A. Introductions

1. Mike Stephenson introduced himself as the new Defense Plant Representative Office (DPRO) commander, replacing Commander Dan Hogan.
2. Gary Eddy introduced David Douglas as the MPCA's new project manager for the site, and Mark Ferrey as a soil scientist who will provide technical review of issues related to the soils operable unit (OU).
3. Paul Koski of the Minneapolis Water Works was sitting in for Adam Kramer.
4. Dick Hanson is retiring from NAVSEA after 38 years of service. He will be replaced on the TRC by Kerry Morrow.
5. Chris Bartku requested organization charts from the USEPA and the MPCA. Tom Bloom and Gary Eddy agreed to provide these.

B. Summary of Discussions

1. Chris Bartku described the Navy's strategy for funding environmental activities. He described how the Base Realignment and Closure (BRAC) program is affecting the Defense Environmental Restoration Account (DERA) funding priorities for the Navy. Environmental projects are being funded according to the following priority list:
 - a. BRAC facilities
 - b. NPL facilities
 - c. RCRA permitted facilities
 - d. Non-NPL, non-permitted facilities

Furthermore, the Chief of Naval Operations has directed that up to 50 percent of DERA funds may be spent on studies, but 50 percent of the funds must be spent on actual clean-up. Specifically, the NIROP Fridley activities are budgeted as follows for FY 94:

- Funding for the feasibility study for the soils OU has not yet been obligated.
- Funding to design facilities to upgrade the groundwater extraction system (GWES) is available.
- Funding to construct the upgraded GWES facilities has not been obligated. Because this is a clean-up activity with a level 2 priority, after BRAC, Chris Bartku expressed optimism that it would proceed.

Chris Bartku also noted that the Navy is planning to increase the number of staff working on environmental projects.

2. Linda Hicken reviewed the status and schedule for responding to the agencies' comments on the draft Soils OU RI Report:
 - The MPCA provided 27 comments on the RI on June 25, 1993. As previously agreed, the MPCA provided comments on the risk assessment directly to the USEPA for incorporation into their comments.
 - The USEPA provided 124 comments on the RI and risk assessment on July 21, 1993.
 - Because of the difficulties scheduling conference calls with the USEPA's risk assessment reviewer to discuss comments, RMT will need a 20-day extension to finish making revisions. A letter of notification regarding the need for an extension was sent by RMT on behalf of the Navy to the agencies on September 1, 1993. The draft final RI Report and separate responses to each comment will be sent to the agencies for receipt on September 24, 1993.
 - The agencies will have 30 days from their receipt of the responses to either approve the draft final report as final, or to identify and resolve with the Navy and RMT any remaining issues of concern.
3. Linda Hicken noted that the next deliverable for the soils OU is the draft Alternatives Report which is due to the agencies 90 days after the RI Report is finalized.
4. Doug Hildre raised the issue of what future land use scenario is appropriate for this site. This issue is currently being debated at USEPA headquarters. Linda Hicken said that in accordance with current USEPA directives, the risk assessment was performed assuming residential use in the future. Chris Bartku indicated that commercial use would be one of the options identified in the Feasibility Study (FS). Gary Eddy acknowledged that agency requirements on this subject may be changing and that the MPCA needs to discuss this with the USEPA to support the FS for this site.
5. Mark Ferrey said that he had a concern regarding the applicability of the regional metals background data set that was referenced in the soils OU RI Report. Linda Hicken asked that he present his concern in writing so that RMT could evaluate its effect on the content and schedule of the draft final report.
6. Galen Kenoyer stated that the groundwater OU operations and maintenance plan was distributed on July 14, 1993.
7. Chris Bartku requested a separate meeting with the agencies following the TRC meeting to discuss issues related to the GWES design contract with RMT.
8. Chris Bartku reported that the USACE's 6-month air monitoring results for the air emissions from the interim groundwater pretreatment facilities are complete and asked Gary Eddy how the MPCA would like them presented. Gary will check with the MPCA air section. Tom Bloom suggested that they be included with the other Operation and Maintenance reports.

9. Chris Bartku reported that the USACE awarded another contract modification to make improvements to the equipment associated with the existing groundwater extraction system and interim pretreatment system. He also said that the funding for this work has been obligated. The fieldwork is scheduled for the week of September 13, 1993. Chris said that the USACE is beginning to provide portions of the project documents for the GWES to RMT.
10. Tim Ruda of FMC reported on the operation of the GWES. His handout is attached.
11. Chris Bartku reported that although the schedule for the GWES upgrading is slipping, once the groundwater model is run, RMT and the Navy will be able to determine what upgrades are needed in a relatively short time.
12. Chris Bartku noted that FMC had received a letter from Burlington Northern Railroad describing their plans for on-site thermal treatment of petroleum-contaminated soil that is stockpiled north of the NIROP Fridley on Burlington-Northern Railroad's property. Chris asked Gary Eddy to check the status of this project with the MPCA spills unit to verify that it is being planned in a manner that will not potentially impact groundwater under the NIROP Fridley (reportedly, half of the stockpiles are not covered).
13. Doug Hildre said that FMC is finalizing arrangements to thermally treat the Class 3 contaminated soils from the construction of the hazardous materials storage building at a facility in Wisconsin. FMC plans to move the soils during the week of September 13, 1993.
14. Doug Hildre reported that the soil vapor extraction wells have been installed at the location of the former Hazardous Waste Storage Area "C," as part of a RCRA closure. The system is expected to be started up by the end of September. Fred Jenness said that the MPCA plans to issue a draft RCRA Part B permit for the Area "C" closure approximately 45 days after start-up.
15. Chris Bartku and Doug Hildre noted that they, and Dick Hanson, each received a telephone call from Minnesota Senator Wellstone who, at the City of Fridley's request, would like the Navy to reconsider its position regarding reuse of the treated groundwater.
16. The next TRC meeting will be on Thursday, November 18, at 9:30 a.m. (please note new time).

NIROP, FRIDLEY, MN TRC MEETING #18
AUGUST 26, 1993

AGENDA

1. INTRODUCTION

2. ACTIONS SINCE LAST TRC MEETING

NAVY/RMT

- * SOILS OU DRAFT FINAL REPORT DISTRIBUTED & COMMENTS RECEIVED
- * GWES O&MN PLAN VOLUMES 1 & 2 DISTRIBUTED
- * GWES UPGRADE CONTRACT MODIFICATION UNDERWAY

ACOE/MK/EH RENNER

- * FIRST SIX MONTH AIR STRIPPER MONITORING RESULTS COMPILED
- * GWES REPAIRS/UPGRADES CONTRACT AWARDED
- * RMT DESIGN PACKAGE COMPLETE

FMC

- * FMC GWES O&MN UNDERWAY

3. ACTIONS SCHEDULED FOR NEXT QUARTER

NAVY/RMT

- * DISTRIBUTE GWES UPGRADE SCHEDULE
- * PROPOSE GWES UPGRADE CONSTRUCTION
- * PREPARE FORMAL RESPONSE TO SOILS OU RI REPORT COMMENTS
- * DEVELOP SOILS OU FS CONTRACT

ACOE/MK/EH RENNER

- * COMPLETE REPAIRS & UPGRADES TO GWES

4. OTHER ISSUES/COMMENTS

- * FMC SOIL STOCKPILE REMEDIATION PROJECT UPDATE
- * FMC SOIL VAPOR EXTRACTION SYSTEM
- * MPCA STATUS OF FMC PART B PERMIT

5. NEXT TRC MEETING

TECHNICAL REVIEW COMMITTEE (TRC) MEETING #18
 AUGUST 26, 1993
 NIROP FRIDLEY, MINNESOTA

LIST OF ATTENDEES:

<u>NAME</u>	<u>ORGANIZATION</u>	
Margaret Casserly	Black and Veatch	<i>M. Casserly</i>
Scott Erickson	City of Fridley	
Sam Bass	COE	
Janet Ehresmann	COE	
Mark Koenig	COE	
Eugene Liu	COE	
Robert Hutchinson	County of Anoka	
Evan Drivas	DNR	
John Dresch	DPRO FMC Minneapolis	<i>J. Dresch</i>
Major Gartin	DPRO FMC Minneapolis	
CDR Stephenson	DPRO FMC Minneapolis	<i>R. Stephenson</i>
Keith Lura	DPRO FMC Minneapolis	
Sue Oetterer	DPRO FMC Minneapolis	
Doug Hildre	FMC/NSD	<i>Doug Hildre 612-572-6938</i>
Barlene Weber Timothy Ruda	FMC/NSD	<i>Timothy R. Ruda</i>
Larry Cole	Minneapolis Water Works	
Paul Koski	Minneapolis Water Works	<i>Paul M. Koski</i>
Adam Kramer	Minneapolis Water Works	
John Betcher	MPCA	<i>J. Betcher</i>
Mark Perry Dawn Bancanson	MPCA	
Gary Eddy	MPCA	<i>Gary L. Eddy</i>
Steve Cladding	MPCA	
Fred Jenness	MPCA	<i>at mtg.</i>
Michael Flaherty	MWCC	

NAME

ORGANIZATION

Jeff Allison

NAVSEA

(703) 602 J. Allison

Richard Hanson

NAVSEA

Richard Hanson

Steve Hoffman

NAVSEA

Kerry Morrow

NAVSEA

James Shafer

NORTHDIVNAVFAC

Eric Gredell

RMT, Inc.

Linda Hicken

RMT, Inc.

Linda Hicken

Tom Koch

RMT, Inc.

Chris Bartku

SOUTHDIVNAVFAC

CBartku

David Criswell

SOUTHDIVNAVFAC

Thomas Bloom

USEPA

Thomas Bloom

Dave Douglas

MPCA

Dave Douglas

Mark ~~Ferry~~
Ferrey

MPCA

Mark Ferrey

Summary of 1993 Operation And Maintenance Activity

- * Groundwater Sampling Conducted February 9, 10, 11
- * Carbon Vessel Replaced March .
- * Goundwater Sampling Conducted April 4, 5, 6
- * Scrubber Spray Lateral replaced with Spray Nozzle June 4.
- * Carbon Vessel Replaced June 24.
- * Groundwater Sampling conducted August 16, 17, 18.
- * Scrubber Tower underwent acid cleaning August 25 -Present.

Scheduled Activity

- * Carbon Vessel Replacement (Late September)
- * Groundwater Monitoring November.
- * Evaluate Pumps for Cleaning based on Flow rate.
- * Install Pressure sustaining Valves and Control systems.

	AT-1a	AT-2	AT-3a	AT-4	Total
Jan	107,700	3,903,400	11,108,500	2,421,900	17,541,500
Feb	23,200	2,820,000	8,597,300	1,346,200	12,786,700
Mar	495,900	2,351,600	8,433,700	1,468,300	12,749,500
Apr	400,400	2,563,300	10,310,000	2,462,100	15,735,800
May	218,900	266,000	6,391,640	976,400	7,852,940
Jun	682,600	1,921,900	5,321,910	1,524,800	9,451,210
Jul	304,400	2,138,500	6,695,600	1,862,200	11,000,700
Aug					
Sep					
Oct					
Nov					
Dec					
Total	2,233,100	15,964,700	56,858,650	12,061,900	87,118,350

