



DEPARTMENT OF THE NAVY
NAVAL AIR STATION
MOFFETT FIELD, CA 94035-5000

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30 MAY 1990

From: Commanding Officer, Naval Air Station, Moffett Field
To: Commander, Western Division, Naval Facilities Engineering
Command

Subj: NAS MOFFETT FIELD INSTALLATION RESTORATION (IR) PROGRAM
TECHNICAL REVIEW COMMITTEE (TRC) MEETING

Encl: (1) TRC Meeting Minutes

1. Enclosure (1) is provided for your review and retention.
2. The next TRC meeting is tentatively scheduled for 14 August 1990, from 0930 to 1100, in the Gold Room of Moffett Field's Chief Petty Officers' Club, Building 243. Your attendance at this meeting is requested. You will receive written confirmation regarding this meeting a few weeks prior to the scheduled date. An agenda for the meeting will also be provided at that time.
3. It is further requested that Mr. Steve Anschutz (Code 189) be contacted at (415) 966-5744 or A/V 462-5744, not later than 10 August 1990, regarding your plans to attend the subject meeting.


S. T. QUIGLEY, JR.
Commanding Officer

Copy to:
COMNAVAIRPAC (Code 515)

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MINUTES OF THE TECHNICAL REVIEW COMMITTEE (TRC) MEETING
FOR THE INSTALLATION RESTORATION (IR) PROGRAM
AT NAVAL AIR STATION, MOFFETT FIELD, CA

1. The meeting was called to order at 1320 on 16 May 1990 in the Anchor Room of the Chief Petty Officers' Club, Naval Air Station, Moffett Field, Ca.
2. The attendance listing for the meeting is provided as Attachment (1).
3. The agenda for the meeting, as distributed to all attendees, is provided as Attachment (2). In addition, a court reporter was in attendance to prepare a transcript of the meeting. A copy of the transcript is on file at the Mountain View Public Library as part of the IR Program Administrative Record.
4. Welcome - CAPT S.T. Quigley, Jr. (Commanding Officer, NAS Moffett Field). Everyone in attendance was welcomed to the second meeting of the TRC for NAS Moffett Field. Although the TRC meetings are conducted using a formal agenda, all formal members were encouraged to actively participate in meeting discussions. It was announced that the local IR program had made a great deal of progress since the last TRC meeting.
5. Charter for the TRC - CDR Glenn Reynolds (Public Works Officer, NAS Moffett Field). A review of the TRC process, its statutory basis, and the charter under which it operates was provided. It was emphasized that the purpose of the TRC is to review and comment on technical procedures and schedules related to the IR process at Moffett Field. A request was made that TRC representation be limited to only formal members.
6. Resource Recovery Program - Mr. Steve Anschutz (Environmental Coordinator, NAS Moffett Field). A copy of the NAS Moffett Field Recycling Instruction was provided to everyone present in their information packets. Moffett Field is currently recycling mostly scrap metal and used tires. The station is also in the process of establishing a program for household recyclables. This will be accomplished through a contract which calls for the establishment of collection sites all over the station, including one at NASA/Ames Research Center.

Comments (C), questions (Q), and answers (A) related to the above presentation:

C. CAPT S.T. Quigley, Jr. (Commanding Officer, NAS Moffett Field). The objectives of the Recycling Program are twofold: first, to clean up the station; second, to institutionalize environmental awareness.

Q. Mr. Lenny Siegel (Silicon Valley Toxics Coalition). Is there any plan for additional recycling?

A. Mr. Steve Anschutz (Environmental Coordinator, NAS Moffett Field). Yes. Used solvents will be recycled.

Q. Mr. Ted Smith (Silicon Valley Toxics Coalition). How much waste solvent is being generated here?

A. Mr. Steve Anschutz (Environmental Coordinator, NAS Moffett Field). I have the figures, if anyone would like to discuss it further after the meeting.

Q. Mr. Ted Smith (Silicon Valley Toxics Coalition). There is a program in place that is able to generate these kinds of numbers?

A. Mr. Steve Anschutz (Environmental Coordinator, NAS Moffett Field). Yes, based on studies done here at the installation.

7. IR Program Status - Mr. Steve Anschutz (Environmental Coordinator, NAS Moffett Field). The Navy is well into Phase II of the IR Program at Moffett Field. The Cone Penetrometer/Hydropunch testing has been completed and the results will be presented. The closure of abandoned water wells, which the Navy is trying to locate and properly close, will also be discussed during the meeting. In addition, the removal of abandoned underground storage tanks and sumps is currently underway.

8. Cone Penetrometer/Hydropunch Groundwater Testing - Ms. Sarah Bartling (International Technology (IT) Corporation). An outline of Ms. Bartling's presentation was included in the information packet provided to all meeting attendees.

Questions and answers related to the above presentation:

Q. Mr. Lenny Siegel (Silicon Valley Toxics Coalition). The

comparison between the Hydropunch results and the sample wells is very interesting. Could contamination have moved in since the sample wells were tested? Who analyzes your samples?

A. Ms. Sarah Bartling (IT Corporation). Yes, contamination could have moved in. Our own lab analyzes the samples using EPA methods.

Q. CDR Reynolds (Public Works Officer, NAS Moffett Field). What kind of certification do they have?

A. Ms. Sarah Bartling (IT Corporation). The San Jose lab has State certification for hazardous materials testing.

Q. Mr. Ted Smith (Silicon Valley Toxics Coalition). What are other possible reasons for differences between the Hydropunch and test well results? Might they be false negatives?

A. Ms. Sarah Bartling (IT Corporation). Sometimes heavy concentrations of some materials can mask others. It might be that they are not showing up.

Q. Ms. Mary Vrabel (League of Women Voters). Is the volume of water for the hydropunch the same as the volume of water for the well? I am wondering if the detection level might be different for one or the other.

A. Ms. Sarah Bartling (IT Corporation). The volumes are not the same. For the Hydropunch you collect 500 mls. For VOC analysis it is a moot point. For total petroleum hydrocarbons you generally need more.

Q. Mr. Lenny Siegel (Silicon Valley Toxics Coalition). How far are the Hydropunch sites from the wells?

A. Ms. Sarah Bartling (IT Corporation). We are trying to get it within five feet. If we get it too close, we might get interference.

Q. Mr. George Cook (Silicon Valley Toxics Coalition). What is the background level of VOC? What are they from?

A. Ms. Sarah Bartling (IT Corporation). For Site 9, I would say it is in the tens of parts per million, probably originating from that location and the area across the highway. The results of the tests and dates the samples were taken are included in the quarterly report.

Q. Mr. Ted Smith (Silicon Valley Toxics Coalition). Will the report be made available?

A. Mr. Stephen Chao (Western Division, Naval Facilities Engineering Command). It will be in the IR Program Administrative Record this afternoon.

9. Abandoned Well Closure Activities - Mr. Keith Bradley (IT Corporation). An outline of Mr. Bradley's presentation was included in the information packet provided to all meeting attendees.

Questions and answers related to the above presentation:

Q. Dr. James McClure (MEW Study Group). How are you planning on selecting the intervals for perforation and conducting the subsequent grouting?

A. Mr. Keith Bradley (IT Corporation). Every place we have solid casing, we will go ahead and perforate it.

Q. Mr. Lenny Siegel (Silicon Valley Toxics Coalition). Are you going after the wells one at a time?

A. Mr. Keith Bradley (IT Corporation). Not necessarily. Once work begins we may have up to three different rigs.

Q. Mr. Lenny Siegel (Silicon Valley Toxics Coalition). What do we know about the active wells and their rate of pumping?

A. Mr. Keith Bradley (IT Corporation). They are probably irrigation wells.

Q. Mr. Lenny Siegel (Silicon Valley Toxics Coalition). Is the rate of pumping affecting the spread of contamination?

A. Ms. Sarah Bartling (IT Corporation). From the groundwater mapping that has been done on base in the last four quarters, there is no indication of a change in groundwater flow direction. More data will give us a better indication, but the regional trend does not seem to be showing any diversion because of the pumps.

Q. Mr. Ted Smith (Silicon Valley Toxics Coalition). I am concerned about the closure schedule. It looks like the closure of the suspected wells is going to take a lot longer than the known wells. Why can that not be done quicker?

A. Mr. Keith Bradley (IT Corporation). The rate of field work is the same as for the four known wells, and finding them will be harder. We have the target area, and we will excavate until we find the well head.

A. CAPT S.T. Quigley, Jr. (Commanding Officer, NAS Moffett Field). We have been liberal in our time estimate because we do not know what we will be dealing with.

A. Mr. Steve Anschutz (Environmental Coordinator, NAS Moffett Field). We think the pumpheads may have been removed several feet below the ground surface. We will try to locate them with excavations and ground penetrating radar. If we do not find anything, we will then restore the site and remove it from the list.

Q. Dr. James McClure (MEW Study Group). At the locations where you have suspected wells, do you have geophysical anomalies?

A. Mr. Keith Bradley (IT Corporation). Yes.

10. Underground Storage Tank/ Sump Removal Activities - Mr. Tom Adkisson (PRC Environmental Management, Inc.). An outline of Mr. Adkisson's presentation was included in the information packet provided to all meeting attendees.

Questions and answers related to the above presentation:

Q. Mr. Ted Smith (Silicon Valley Toxics Coalition). What is the status of tank number 67?

A. Mr. Tom Adkisson (PRC Environmental Management, Inc.). It will be removed Friday.

Q. Ms. Mary Vrabel (League of Women Voters). What are the contents of these tanks? Do you remove them?

A. Mr. Tom Adkisson (PRC Environmental Management, Inc.). Mostly groundwater. The tanks were emptied of fuel when they were abandoned.

Q. Mr. Ted Smith (Silicon Valley Toxics Coalition). What are your plans for highly contaminated soils?

A. Mr. Tom Adkisson (PRC Environmental Management, Inc.). Either to haul it off and dispose of it, or to treat it. We are not proposing to do any soil aeration and reintroduction of the material. In most cases, diesel-type fuels and oils are not too amenable to that type operation.

Q. Mr. Lenny Siegel (Silicon Valley Toxics Coalition). Are there any other inactive tanks and sumps?

A. Mr. Tom Adkisson (PRC Environmental Management, Inc.). We can not answer that.

A. Mr. Steve Anschutz (Environmental Coordinator, NAS Moffett Field). We do not know of any other inactive tanks. There are some active tanks. We should be letting a contract before the end of the month to have all of these tanks tested.

Q. Mr. Lenny Siegel (Silicon Valley Toxics Coalition). Are those tanks double-walled?

A. Mr. Steve Anschutz (Environmental Coordinator, NAS Moffett Field). Yes, some are.

Q. Mr. Ted Smith (Silicon Valley Toxics Coalition). At this point are you attempting to comply with the local hazardous materials ordnances for monitoring? Are you at this point in compliance?

A. Mr. Steve Anschutz (Environmental Coordinator, NAS Moffett Field). Yes. We will be when annual tank testing is complete.

11. Additional Questions and Comments:

C. CAPT S.T. Quigley, Jr. (Commanding Officer, NAS Moffett Field). We are planning on conducting an IR Program Open House in August. We do not have a specific date yet, but it will be similar to what we did last time.

Q. Mr. Lenny Siegel (Silicon Valley Toxics Coalition). At the last meeting you indicated that you were negotiating with the MEW Group regarding the MEW plume?

A. CAPT S.T. Quigley, Jr. (Commanding Officer, NAS Moffett Field). We are engaged in protracted negotiations with the MEW Group.

A. Mr. Patrick Burke (Western Division, Naval Facilities Engineering Command). We have had a lot of discussions and correspondence back and forth. The Navy still wants an agreement with the MEW Group; we just have to see how it comes out.

C. Mr. Lenny Siegel (Silicon Valley Toxics Coalition). The MEW plume may be more of a threat than what Moffett Field is to the Mountain View water supply.

A. Mr. Patrick Burke (Western Division, Naval Facilities Engineering Command). Independent of our discussions with the

MEW Group, we have been talking to the EPA, and the State regulators as well, so that we will be able to undertake the earliest possible remediation.

Q. Mr. Lenny Siegel (Silicon Valley Toxics Coalition). What is the timing for implementation?

A. Mr. Patrick Burke (Western Division, Naval Facilities Engineering Command). We do not know.

Q. Mr. Ted Smith (Silicon Valley Toxics Coalition). EPA, do you know the timing?

A. Mr. Lewis Mitani (Environmental Protection Agency). We have negotiated an agreement with the Navy and they have made a commitment on paper, but that will not be made public until the Amendment to the Federal Facilities Agreement is executed.

A. Mr. Stephen Chao (Western Division, Naval Facilities Engineering Command). Your concern is with the actual start up of remediation. It will be done. With the MEW Group the only issue is cost allocation.

Q. Mr. Lenny Siegel (Silicon Valley Toxics Coalition). There is nothing in the current investigation to break out costs?

A. Mr. Patrick Burke (Western Division, Naval Facilities Engineering Command). We are proceeding with the EPA as quickly as we can.

Q. Mr. Ted Smith (Silicon Valley Toxics Coalition). Is there any work that could go on that is not?

A. Mr. Stephen Chao (Western Division, Naval Facilities Engineering Command). No.

A. Mr. Lewis Mitani (Environmental Protection Agency). The accelerated schedule of work has already been implemented.

Q. Mr. Ted Smith (Silicon Valley Toxics Coalition). There are nineteen private sites at the MEW site; EPA is trying to figure out which ones are participants. Is that a separate issue?

A. Mr. Lewis Mitani (Environmental Protection Agency). Yes. There is a separate negotiating team and separate sets of attorneys involved.

Q. Mr. Ted Smith (Silicon Valley Toxics Coalition). That is not going to slow this down at all?

A. Mr. Lewis Mitani (Environmental Protection Agency). Not at all. The Navy has already implemented this schedule.

Q. Mr. Steve Anschutz (Environmental Coordinator, NAS Moffett Field). Are there any topics that you would like to have addressed at the next meeting? If not, we will go ahead and develop an agenda.

A. Mr. Ted Smith (Silicon Valley Toxics Coalition). I request that you provide more follow-up on the timetable for tank removal and an update on the Navy's discussions with the MEW Group.

12. The meeting was adjourned at 1448.

ATTENDANCE LIST FOR THE
INSTALLATION RESTORATION PROGRAM
TECHNICAL REVIEW COMMITTEE MEETING AT NAS MOFFETT FIELD

16 May 1990

CAPT S. T. Quigley, Jr., Commanding Officer, NAS Moffett Field
CDR Glenn Reynolds, Public Works Officer, NAS Moffett Field
Mr. Steve Anschutz, Environmental Coordinator, NAS Moffett Field
Mr. James A. Mayer, Public Works Environmental Division, NAS
Moffett Field
Mr. Jim Haas, Public Works Environmental Division, NAS
Moffett Field
Ms. Anne McMillin, Public Affairs Office, NAS Moffett Field
Ms. Elizabeth Lance, Public Affairs Office, NAS Moffett Field
Mr. Stephen Chao, Western Division, Naval Facilities Engineering
Command
Mr. Patrick Burke, Western Division, Naval Facilities Engineering
Command
Ms. Mary Obland, Western Division, Naval Facilities Engineering
Command
Mr. Keith Bradley, International Technology Corporation
Ms. Sarah Bartling, International Technology Corporation
Mr. Tom Adkisson, Planning Research Corporation, Environmental
Management, Inc.
Dr. Joe LeClaire, JM Montgomery, Consulting Engineers
Ms. Sandy Olliges, National Aeronautics and Space Administration,
Ames Research Center
Mr. Lewis Mitani, Environmental Protection Agency, Region IX

ATTENDANCE LIST FOR THE
INSTALLATION RESTORATION PROGRAM

TECHNICAL REVIEW COMMITTEE MEETING AT NAS MOFFETT FIELD (CON'T)

16 May 1990

Ms. Lynn Nakashima, California Department of Health Services
Ms. Lila Tang, Regional Water Quality Control Board
Ms. Monica Hendricks, Bay Area Air Quality Management District
Mr. Erwin Koehler, Santa Clara County Health Department
Ms. Mary Vrabel, League of Women Voters
Dr. Jim McClure, Middlefield/Ellis/Whisman (MEW) Area Study Group
Mr. Ted Smith, Silicon Valley Toxics Coalition
Mr. Lenny Siegel, Silicon Valley Toxics Coalition
Mr. George Cook, San Jose State University/Silicon Valley Toxics
Coalition
Mr. Phil Woodward, San Jose State University

The following TRC Member Organizations were not represented:

Commander, Naval Base San Francisco
Mountain View Chamber of Commerce
Sunnyvale Chamber of Commerce
Santa Clara County Board of Supervisors

AGENDA
FOR
INSTALLATION RESTORATION (IR) PROGRAM
TECHNICAL REVIEW COMMITTEE (TRC) MEETING
NAVAL AIR STATION, MOFFETT FIELD
16 MAY 1990

- I. WELCOME
- II. REVIEW OF TRC FUNCTION
- III. NAS MOFFETT FIELD RESOURCE RECOVERY PROGRAM
- IV. IR PROGRAM STATUS
 - A. Cone Penetrometer (CPT) and Hydropunch Testing Results
 - B. Closure of Abandoned Water Wells
 - C. Removal of Abandoned Underground Storage Tanks/Sumps
- V. AGENDA/SCHEDULE FOR NEXT TRC MEETING
- VI. CONCLUSION