



FOSTER WHEELER ENVIRONMENTAL CORPORATION

February 18, 1999
1284-0033-99-02

Mr. Steve Lehman
Northern Division, Naval Facility Engineering Command
10 Industrial Highway, Mail Stop #82
Lester, PA 19113

**RE: U.S. NAVY CONTRACT NO. N62472-94-D-0398
DELIVERY ORDER NO. 0033, NWIRP-CALVERTON
MEETING MINUTES, FEBRUARY 2, 1999**

Dear Mr. Lehman:

Enclosed please find the meeting minutes from our site walk on February 2, 1999. Please note that since this meeting, the following actions were taken:

1. D.Brayack has provided data on the air sparging system at Site 2 to FWENC.
2. J. Colter has advised FWENC that the air sparging system will be operated in the future and is to be disturbed as little as possible.
3. M. Evans has copied the facility site plan and returned the original to A. Taormino.

If you have any questions or comments, please contact me at (973) 597-7413.

Sincerely,

Marlene B. Lindhardt, CHMM
Delivery Order Manager

cc: B. Ingram (NorthDiv)
A. Taormino (J. A Jones)
F Palmieri (Grubb & Ells)
A. Holcomb
M Evans
M. Junghans
L. Haymon

Navy#2

Meeting Notes
February 2, 1999
NWIRP-Calverton
Proposed FPR System

Attendees: S. Lehman (NorthDiv); B. Ingram (NorthDiv); A. Taormino (J.A.Jones); F. Palmieri (Grubb&Ellis); M. Lindhardt (FWENC); M. Evans (FWENC); M. Junghans (FWENC).

1.0 Pre Site Walk Meeting

Attendees discussed the following issues prior to the site tour.

Calibration Area:

1. No electrical power currently available. Electric is available 500 to 600 feet away on Town of Riverhead Building. Options include shallow conduit or pole to connect; or the re-energization of the transformer at the fuel calibration building. FWENC noted that generators will be used during the upcoming pumping tests and that permanent power will be installed for the O&M.
2. Three AST Stainless steel tanks, recently out of service, are available for product storage.
3. A vacant building available for storage or office at the location.

Fire Training Area:

1. Existing electrical service is available for vapor extraction system.
2. A pilot vapor extraction system is in place which was installed by CF Braun and operated over last summer. Well construction records are available from Dave Brayack (CFB) (412) 921-8375.
3. The Navy also plans to install fence to delineate Navy and Town of Riverhead property; although this is not in FWENC's current scope of work. Navy (A. Taormino) gave FWENC the site plan for the facility to copy and return. Navy and FWENC will review fence locations to determine if there is conflict with the proposed system.

2.0 Site Walk

After the meeting, S. Lehman, B. Ingram, A. Taormino, M. Lindhardt, M. Evans and M. Junghans toured each site. It was raining heavily.

Fire Training Area:

1. The Extraction System (constructed by CF. Braun) was more extensive than expected. (~ 20 wells)
2. Area around road, location of plume, relatively flat, easy access for placement of system components.
3. Some removal of existing vapor system may be required; but can easily be replaced, if necessary. S. Lehman to check on future plans for the system.
4. Grade rises to the south and east within the tree line.
5. Electrical panels easily accessed.
6. Concrete ring in good shape – potential for decon – ring is curbed.
7. Miscellaneous equipment spread through the area – needs to be consolidated
8. Gravel access seems good for truck mounted drill rig
9. Small roof structure to the north could serve as staging area.

10. Most wells are PVC construction
11. Questions on the construction of the system (well depths, etc.) and possibility to use existing system in FWENC tasks. S. Lehman to contact D. Brayack and J. Colter (NorthDiv).

Calibration Area:

1. Area adjacent to large open pavement surface – should be accessible by truck mounted drill rig.
2. Small utility building near by can be used as office and storage. Possible problems with ACM and lead paint in building.
3. Existing extraction system (constructed by Grumman) in place but is not operating and in poor condition. Opportunities for reuse are unlikely. Discharge pipe extends downstream – terminus unknown.
4. Transformer present at utility building. Re-energizing could cause more problems than help based on the number of systems that seem to be attached to it and the condition of the switch room. This will be evaluated by FWENC's electrical engineer during the pumping test.
5. Riverhead buildings in the distance are the other option for power. If used poles may be better for electrical installation due to required pavement cut.
6. Area is a level grass free of obstructions
7. Very large oil-water separator is also available for use, but it is probably too large for the proposed system.

3.0 Post Site Walk Meeting

After the site walk, attendees reconvened for question and answer session.

1. Existing monitoring wells in both areas predominantly installed by Grumman. Logs may not be available. Check with D. Brayack
2. Survey points to be based on drawings given for fence locations
3. CFB to provide as much previous product monitoring data as possible.
4. S. Lehman and M. Lindhardt left to have conference call with Brayack. The following information was provided:
 - At site 2, the existing air sparging wells and injection wells are not constructed so that they can be used in the FWENC system (too shallow). S. Lehman requested D. Brayack to send the data regarding the system design and construction to M. Lindhardt.
 - During the air sparging system, condensate was collected and combined with development and well purge water. A temporary permit was issued by the NYSDEC that allowed discharge to the ground surface.
 - CF Braun did some limited product thickness measurements (to be provided to FWENC). Other product thickness was regularly measured by Miller Environmental/Engineering for Grumman.
 - A community air monitoring plan was not required for the air sparging system; however AirGuide-1 was followed.
 - The NYSDEC POC is Jeff McCullagh.