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FOSTER WHEELER ENVIRONMENTAL CORPORATION

May 8, 2000
1284-0033-00-0198

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, MODIFICATION 09, NWIRP-CALVERTON
HYDROCARBON PRODUCT REMOVAL LETTER WORK PLAN**

Dear Mr. Lehman:

1.0 INTRODUCTION

The Northern Division of the Naval Facilities Engineering Command has issued Modification 09 to Delivery Order (DO) No. 0033 to Foster Wheeler Environmental Corporation (Foster Wheeler) under Remedial Action Contract (RAC) No. N62472-94-D-0398 for the installation and monitoring of hydrocarbon product removal (HPR) devices for a period of six months at the Naval Weapons Industrial Reserve Plant (NWIRP) located in Calverton, New York. Removal devices will be installed in 18 wells at the Fire Training Area, and 18 HPR devices will be installed in wells at the Fuel Calibration Area.

All work will be performed in accordance with this Letter Work Plan, which includes the site-specific Quality Assurance/Quality Control (QA/QC) Plan and the Waste Management Plan. The Site Health and Safety Plan (SHSP) will be submitted under separate cover.

Section 1.0 of this Letter Work Plan is this introduction. Section 2.0 presents a brief description of the nature and extent of contamination in existence at the Fire Training and Fuel Calibration areas and recent product removal activities. HPR device installation and monitoring procedures are presented in Section 3.0. Section 4.0 discusses the Closeout Report that will be submitted at the completion of the period of performance for the removal program. The QA/QC Plan is found in Section 5.0 and the Waste Management Plan in Section 6.0. Section 7.0 contains the project organization. Lastly, the project schedule is found in Section 8.0.



2.0 PHYSICAL CHARACTERISTICS, HYDROGEOLOGY AND NATURE OF CONTAMINATION

The Fire Training Area (FTA) is located on the eastern side of a 9-acre clearing in the south central portion of the facility. The Fuel Calibration Area (FCA) is located approximately 2,000 feet north of River Road and 2,000 feet west of the south gate of the facility, also in the south central portion of the facility.

Free product has been evidenced in site monitoring wells existing within each area throughout the year. Fluctuations in product thickness appear to be related to changes in the water table. Product thicknesses are greatest when the water table exists at low elevations; generally in the late fall and early winter months. Product thickness has been observed to decrease to low to trace levels in the spring as the water table rises. In the round of product-thickness measurements conducted at the FTA by Foster Wheeler in April 1999, five wells (DH, DS, DP, DG and FT-MW-02S) and two recently installed piezometers (PZT-1 and PZT-3) contained measurable product. The product thickness in these wells ranged from a sheen in wells DG and DP to .31 ft in PZT-1. During the same period, a round of product level measurement conducted at the FCA by Foster Wheeler revealed four wells (CL, CG, CD, CB) and one recently installed product recovery well (PRW-1) contained measurable product. The product thickness in these wells ranged from a sheen in well CB to .22 feet in FC-MW-02S.

Laboratory analyses of free product samples within the site monitoring wells indicate the presence of chlorinated solvents, pesticides, polychlorinated biphenyls (PCB) and metals.

In April 1999, Foster Wheeler performed a Pilot Recovery Test using oil skimming with groundwater depression at both the FTA and FCA. Analysis of groundwater samples collected from pre-and post-carbon treatment indicated a mix of contaminant compounds, at each location. Groundwater at the FTA contained volatile organics (vinyl chloride, chloroethane, 1,1-DCE, cis-1,2-DCE, toluene, ethylbenzene, m&p-xylenes, o-xylene, volatile TICs), semivolatile organics (3+4-methylphenol, 2-methylphenol, 2,4-dimethylphenol, 1,2-dichlorobenzene, naphthalene, semivolatile TICs) and elevated inorganics (iron and manganese). Groundwater at the FCA contained volatile organics (chloroethane, 1,1-DCE, 1,1-DCA, 1,1,1,-TCA, carbon tetrachloride, toluene, ethylbenzene, m&p-xylenes, o-xylene, volatile TICs), semivolatile organics (3+4-methylphenols, naphthalene, semivolatile TICs) and elevated inorganics (iron and antimony).

In the round of product-thickness measurements conducted at the FTA by Foster Wheeler on November 2, 1999, one monitoring well, one product recovery well and one piezometer (FT-MW-02S, PRW-2 and PZT-3) contained measurable product. The product thickness in these wells ranged from a sheen in PRW-2 to .07 ft in FT-MW-02S. On November 2, 1999, product thickness measurements at the FCA revealed a sheen in well PRW-1 and .01 ft in well CL. The November round of product measurements revealed less than expected levels of product compared to historical data.

In November 1999, Foster Wheeler performed a Vacuum Assisted Oil Skimming (VAOS) Pilot Test using oil skimming enhanced by exerting a vacuum in the well headspace. Due to a change

in field conditions (higher than normal water table), the pilot test was performed in the FTA only, and not in the FCA.

Foster Wheeler submitted Field Report: Vacuum Assisted Oil Skimming Pilot Test dated January 14, 2000 recommending passive product collection based on the findings of the two pilot tests.

3.0 INSTALLATION AND MONITORING OF PRODUCT REMOVAL DEVICES

HPR devices will be installed in up to 36 wells at the Calverton facility. Approximately 18 devices will be installed in each area. The wells that have been tentatively selected for device installation are wells that contain, or have recently contained product, or are in the immediate vicinity of wells that contain/have contained product. The following are the lists of wells for the two areas in which devices will most likely be installed.

Fire Training Area Wells

MW-02S	DN
MW-02I	DP
DG	DR
DH	DS
DI	DT
DJ	DU
DK	DV
DL	DW
DM	PRW-02

Fuel Calibration Area Wells

MW-02S	CL
MW-02I	CM
MW-03S	CN
CD	CO
CE	CP
CF	CQ
CG	CR
CH	CS
CI	PRW-01

Figures 1 and 2 present the locations of the wells in Area 2 and Area 6A, respectively, where devices will most likely be installed. Actual placement will be determined based on field observations of the presence of free product.

During the installation and monitoring of the product removal devices realtime air monitoring will be conducted and activities will be performed in compliance with the SHSP, QA/QC Plan and the Waste Management Plan.

3.1 Installation of Passive Product Recovery Devices

Prior to device installation, free product thickness and static water table levels will be measured from each well in the two areas, using an electronic oil/water interface probe. These measurements will verify the present configuration of the product plume and the depth to water in each well. Depending on the results of these measurements the list of wells, selected for device installation may be modified. The measurements will also determine at what depth the device will be set within the well.

The devices to be installed are the SoakEase™ kits. The SoakEase™ kit consists of a three-foot long, three-inch diameter, stainless steel screen with a replaceable absorbent pillow. The screens will be positioned in each well such that they straddle the water table. This allows the pillow to wick up product floating on the water table. Polypropylene line will be used to secure the screen to the well cap at a fixed depth.

Once the depth to product and/or depth to water is known for each well, installation of the Soakease™ devices can begin. The Soakease™ devices will be installed according to the following procedure.

3.1.1 Soakease™ Installation Procedure

1. Wearing appropriate personal protection equipment (PPE), open well and check headspace with flame ionization detector (FID). Record readings in fieldbook.
2. Verify the depth to product and depth to water in the well from top of inner casing using an oil/water interface probe. Record measurements in fieldbook.
3. Measure out and cut a length of polypropylene cord so that when the stainless steel screen is suspended by the cord in the well it straddles the water table. Draw a figure in the field book showing the details of the installation.
4. Place the absorbent pillow in the screen.
5. Lower the screen down the well into the water and tie the cord off to the well at the predetermined depth.
6. Close Well.

3.2 Monitoring of Passive Product Recovery Devices

Monitoring of the Soakease™ will begin two weeks after installation and monthly thereafter for five months. Monitoring will consist of removing each Soakease™ device and checking to see if the absorbent pillow requires replacement and measuring the depth to product and water in each well. An electronic oil/water interface probe will be used to conduct product/water level measurements. Measurements will be collected from the up to 36 wells incorporated into the program. These measurements will help to determine product plume configuration and migration. ^c

Adjustments will be made to the polypropylene line each month, if necessary, to ensure that the screen maintains its position across the water table. Spent absorbents will be drummed for off-site disposal.

The monthly checks of the Soakease™ devices will be performed according to the following procedure:

3.2.1 Monthly Monitoring Procedure

1. Wearing appropriate PPE, open well and check headspace with FID. Record readings in fieldbook.
2. Remove Soakease™ device from the well and place on a sheet of plastic.
3. Measure depth to product and depth to water in well using an electronic oil/water interface probe. Record the measurements in the fieldbook.
4. Remove the absorbent pillow from screen. Measure the length of staining on the pillow and weigh pillow using a conventional scale. Record measurements in the fieldbook.
5. If the absorbent pillow has substantial staining and/or has an elevated weight replace the pillow. Place the spent absorbent in a polyethylene bag. Note the replacement in the fieldbook.
6. Place the existing or new pillow back in screen.
7. Adjust the polypropylene cord, based on the oil/water measurements, if necessary.
8. Place screen back in well and tie off the cord.
9. Close well.
10. Place spent Soakease™ pillow in the satellite accumulation waste drum.

3.2.2 Soakease™ Sample Analysis

At least two samples of the Soakease™ absorbent material will be analyzed. There is a two-fold purpose to this sampling. The first reason for sampling the Soakease™ is to characterize this waste stream for disposal. The second reason is to attempt to quantify the amount of product and/or dissolved contamination recovered. By analyzing the Soakease™ and obtaining the concentrations of contaminants present along with the weight of each spent Soakease™ a rough estimate on recovered product/contaminants may be possible.

Spent absorbent will be analyzed for Target Compound List Volatile Organic Compounds (TCL VOCs), Target Compound List Semi-Volatile Organic Compounds (TCL Semi-VOCs), including pesticides and PCBs, Total Petroleum Hydrocarbons (TPH) and RCRA Characteristics (ignitability, corrosivity, reactivity). Table 1 contains the Spent Soakease™ Analytical Program.

Spent Soakease™ will be sampled by the following method.

1. Wearing the proper PPE and conducting real-time monitoring lay the spent absorbent pillow on plastic.
2. Carefully cut open the pillow using a razor knife.
3. Extract the spent absorbent material and fill the appropriate sample containers.
4. Seal the containers and make sure the sample label is properly completed.
5. Place the samples in a cooler with ice.
6. Fill out the Chain-of-Custody and record all pertinent information in the fieldbook.
7. Dispose of the remaining spent absorbent in a polyethylene bag and place the bag in a drum.

3.3 **Management of Spent Soakease™**

Approximately four drums of spent Soakease™ absorbents are anticipated to be generated during the course of the removal program. Drums will be maintained at satellite storage areas at the FTA and the FCA. One satellite accumulation drum will be located in each area. These drums will be placed on plastic lined pallets and will be covered with plastic. When drums are full they will be moved within three days to the 90 day storage area, where they will be placed in a covered, lined and bermed area. The 90-day generator storage limit will start on the day the drum becomes filled. Samples will be collected for disposal characterization as described in the previous section. Further details on the spent absorbents can be found in the Waste Management Plan in Section 6.0.

Table 1
Analytical Program
for the
Hydrocarbon Product Removal
NWIRP Calverton, New York

Sample Type	Number of Samples	Matrix	Parameter	Sample Container	Analytical Method	Price per Sample
Spent Soakease™	4	Solid	TCL Volatiles	(2) 40 ml glass vials w/Teflon lined septum	Method 8260B	
	4	Solid	TCL Semi-Volatiles	(1) 8 oz. glass w/Teflon lined cap ⁽¹⁾	Method 8270C	
	4	Solid	TCL Pesticides	(1) 8 oz. glass w/Teflon lined cap ⁽¹⁾	Method 8081A	
	4	Solid	TCL PCBs	(1) 8 oz. glass w/Teflon lined cap ⁽¹⁾	Method 8082	
	4	Solid	TAL Metals	(1) 8 oz. glass w/Teflon lined cap ⁽¹⁾	Method 6010A/7471A	
	4	Solid	Ignitability	(1) 8 oz. glass w/Teflon lined cap ⁽²⁾	Method 1010	
	4	Solid	Reactivity	(1) 8 oz. glass w/Teflon lined cap ⁽²⁾	SW-846 Chapter 7.3	
	4	Solid	Corrosivity	(1) 8 oz. glass w/Teflon lined cap ⁽²⁾	Method 9040B	

- (1) The sample for TCL Semi-Volatiles, TCL PCBs, and TCL Pesticides can be consolidated, as applicable, into (1) 8-oz. glass container w/Teflon lined cap.
- (2) The sample for ignitability, corrosivity, and reactivity can be consolidated into (1) 16-oz. glass container.

3.4 Monthly Monitoring Reporting

A letter report will be prepared monthly detailing the results of the monitoring performed. The report will consist of a short narrative detailing the activities performed and the observations made during the monitoring round. The remainder of the report will be comprised of tables and figures presenting the data collected which will include:

- Product thickness and water level measurements
- Amount of staining on absorbent pillows
- Absorbent pillow replacement
- Real-time air monitoring readings

Figures of the distribution and extent of the free product plume existing in each area will be prepared for each report. Groundwater elevation data will also be added to the figures to show flow direction and possible migration of the plume. Sample results of spent absorbents sampling will be included in the report as they become available, for the months when this sampling occurs.

4.0 CLOSEOUT REPORT

Upon completion of the monitoring/removal period, a closeout report will be prepared. The closeout report will summarize the findings presented in the monthly product letter report.

The closeout report will present data related to:

- Demobilization activities and site restoration, if applicable
- Transportation and disposal of wastes
- Confirmatory and/or waste characterization sampling
- Findings and recommendations where applicable
- Figures, maps and tables to support findings and recommendations

5.0 QA/QC PLAN

Due to the limited scope of the hydrocarbon product removal program, a reduced QA/QC Plan will be sufficient. Activities covered by this QA/QC Plan include receipt and acceptance of materials and equipment, calibration of instruments, field documentation, measurements of product thickness and water levels, sampling of spent absorbents, and technical review of documents. Other aspects detailed in this plan are the Delivery Order QA/QC organization, field changes and audits. Attachment A includes other QC Forms.

5.1 Purpose/Scope

The purpose of this plan is to establish quality assurance/quality control procedures and policy to be implemented during the hydrocarbon removal program to ensure that work performed is of sufficient quality and in compliance with applicable regulations and standards.

5.2 Delivery Order QA/QC Organization

QA/QC responsibility resides throughout the Foster Wheeler DO project team. The Delivery Order Manager, Marlene Lindhardt, will have the overall responsibility for the QA/QC of the project. The DO Manager will ensure work is performed according to this plan. The Task Lead will monitor the day to day QA/QC aspects of the project and report findings to the DO Manager. All personnel working on the project will be given this plan to review prior to the commencement of work.

5.3 Inspection/Acceptance Requirements for Materials and Equipment

All materials and equipment used by Foster Wheeler personnel during the HPR activities will be inspected immediately upon receipt to ensure that they are of the required quantity are in acceptable condition and meet required specifications prior to usage. Materials and equipment received will be recorded in the project fieldbook and on the Daily Quality Control/Construction Report Form. If any item received is not acceptable the associated vendor will be contacted and will be required to replace the item or refund the cost.

5.4 Calibration

Instrumentation that will be utilized for the HPR program, which includes FIDs, oil/water interface probes and scales, will be calibrated daily during field activities according to manufacturer specifications or standard acceptable procedures. A calibration log will be maintained for the daily calibrations.

5.5 Field Documentation

All field work will be documented in a dedicated fieldbook. This field notebook will be a bound weatherproof logbook that shall be filled out as work is being performed. It will contain the site and project name and date. Other information to be recorded include:

- Personnel on site
- Weather
- Samples collected and parameters to be analyzed
- Field measurements (product thickness and water level measurements)
- Any deviations of protocol
- Any other site-specific observations or information determined to be noteworthy.

Other field documentation include the contractor reports and health and safety forms and reports. The SHSP includes H&S forms required (to be submitted under separate cover).

5.6 Field Measurements

All field measurements will be collected with the proper, calibrated instrument. All measurements will be recorded in the dedicated fieldbook. One duplicate measurement will be collected for every 20 measurements taken.

5.7 Sampling QA/QC

All sampling information will be recorded in the dedicated fieldbook. Once a sample is taken a unique sample identification code (ID) will be assigned to it. The sample ID will incorporate the prefix CAL, followed by the area (FT or FC) and AB to indicate absorbent and completed with a two digit number to indicate the sequential drum number.

All samples will be placed in a cooler with ice to preserve them at 4°C and they will be maintained at this temperature. Sample logs, labels, custody seals and chain-of-custody forms will be completed and recorded in the field notebook. Samples will be packaged and shipped in accordance with Department of Transportation (DOT) procedures/regulations. Applicable chain-of-custody forms, sample labels, sample tags, custody seals, and other sample documents will be completed and checked for accuracy. Each sample will be sealed in a polyethylene (PE) bag and placed in a waterproof metal or plastic cooler that also has been lined with a large polyethylene bag. Samples will be packed with sufficient ice (sealed in PE bags) to maintain the samples at 4°C. Enough non-combustible adsorbent cushioning material shall be filled to minimize the possibility of container breakage. All paperwork required to be submitted to the laboratory will be sealed in a plastic bag and taped to the underside of the shipping container lid. The large bag will then be sealed and the container closed. Custody seals and strapping tape will then be affixed. All samples will be shipped within 24 hours of collection via a common overnight carrier service (e.g., DHL, Federal Express, Airborne Express, etc.).

No field QA/QC samples will be collected.

5.8 Technical Review of Documents

The monthly letter report prepared after each monitoring round will be reviewed by senior technical staff to ensure the quality of the document. The technical content will be checked and tables and figures will be verified against field records. A technical review sign-off sheet will be filled out for each report.

5.9 Corrective Action Program

If conditions arise that were not anticipated or deficiencies are noted in the activities performed; field personnel or project management personnel will make changes, take corrective actions and document this process. Any substantial changes will be submitted to the Navy for concurrence. Changes that include changes to the cost or schedule of the project will require Navy approval.

5.10 Audits

The Delivery Order Manager or her designee will perform one audit of the monthly HPR activities. The purpose of the audit is to ensure that work is being performed in accordance with the letter work plan, which includes the QA/QC Plan and Waste Management Plan. The Delivery Order Manager or her designee will document the results of the audit and add it to the project file.

6.0 WASTE MANAGEMENT PLAN

The objective of Waste Management Plan is to ensure the safe handling, management, transportation and disposal of all waste streams generated during the remedial action. In addition, each of these activities will be conducted in compliance with all applicable Federal, NY State, and local requirements for off-site waste transportation and disposal.

6.1 Waste Classification

Table 2 provides a summary of the classification requirements and anticipated volumes of wastes generated during the passive oil recovery.

Table 2
Summary of Waste Material

Waste Stream	Volume	Assumed Classification	Assumed Disposition
Spent absorbent material	4 drums	RCRA Hazardous	Off-site Disposal to RCRA incinerator
PPE	2 drums	Non Hazardous	Off-site Disposal to Subtitle D landfill

6.2 Hazardous Wastes

Pursuant to 40CFR22.11 and 6NYCRR371, generators are required to classify their wastes prior to disposal. Listed hazardous wastes are not expected at this site. We anticipate that the spent adsorbent material will be classified as hazardous waste based on historical data of maximum VOC contamination in the product.

The project regulatory specialist will confirm this waste classification assumption by reviewing the analytical data collected for the material prior to the initial offsite transportation and disposal of drums. We expect that classification will be a one-time sampling event and will not be repeated for subsequent disposal for spent absorbent material from the same wells. A waste certification and Waste Profile Sheets will be provided to the Navy for review, approval, and generator signature prior to offsite disposal of each waste stream.

6.3 Waste Minimization

Foster Wheeler will utilize best management practices to minimize waste generation. These include but are not limited to segregating waste streams, reusing/recycling materials and decontaminating and reusing equipment.

6.4 Containerization

DOT specification 1A2 (open top) steel drums will be used for accumulating and containerizing the waste streams generated for this remedial action.

Spent Soakease™ pillows will be stored in RCRA satellite accumulation waste storage drums in the FTA and FCA areas. One 55-gallon drum will be placed in each area within a bermed polylined secondary containment. Drums will be labeled with a unique drum number, a waste description and a hazardous waste label. Once filled the drums will be moved to a 90-day generator waste storage area within three business days. The 90-day generator storage limit will begin on the day the satellite accumulation drum is filled.

All full drums storing hazardous wastes will remain on site for no more than 90 days from its classification date unless specific approval has been received from NYSDEC. Hazardous waste container inspections will be performed and logged during regular site visits to ensure proper labeling and marking, and to monitor the condition of the containers and the condition of the storage area. The inspection reports will be maintained in the project file. At the time of generation, all waste containers will be marked in indelible ink or grease pencil with the following information:

- Unique drum identifier number
- Source and location
- Contents of material in the container and expected hazards
- Accumulation start date for hazardous wastes
- Date container was sampled
- HAZARDOUS WASTE label

Based upon final waste classification, the regulatory specialist will select a proper DOT shipping name and description. Any additional required DOT marking and labels will be performed at that time.

6.5 Complete Manifest Package

Hazardous waste manifests will be used for all off-site hazardous waste shipments. The state hazardous waste manifest to be used will be specified by the state in which the TDSF is located. If the TDSF state does not require its own manifest, then a NYS Hazardous Waste manifest will be used. Bills of lading or non-hazardous waste manifests will be used for shipment of all non-

hazardous wastes. A Complete Manifest Package (CMP) will be submitted to the Navy for each waste stream identified for disposal. The principal components of the CMP include:

- Hazardous Waste Manifest or Bill of Lading for non-hazardous wastes
- Waste Profile Sheets
- Land Disposal Restriction Waste Notification Forms for hazardous wastes

Supporting documentation will include waste disposal history and all waste characterization results. The CMP will be reviewed by the Foster Wheeler regulatory specialist and submitted to the Navy for review and signature prior to shipment. After approval and signature, a copy will be returned to the Navy with the transporter-signed copies of the manifests and bills of lading.

7.0 Project Organization

Figure 3 contains the Project Organization chart.

Foster Wheeler site personnel will have the following training:

- 40-hour OSHA - 29 CFR 1910.120
- 8-hour OSHA Refresher - 29 CFR 1910.120 (e) (8)
- DOT/HM 126F HAZMAT Training - 49 CFR 172, Subpart H
- Waste Management Employee Training - 40 CFR 265.16

8.0 Schedule

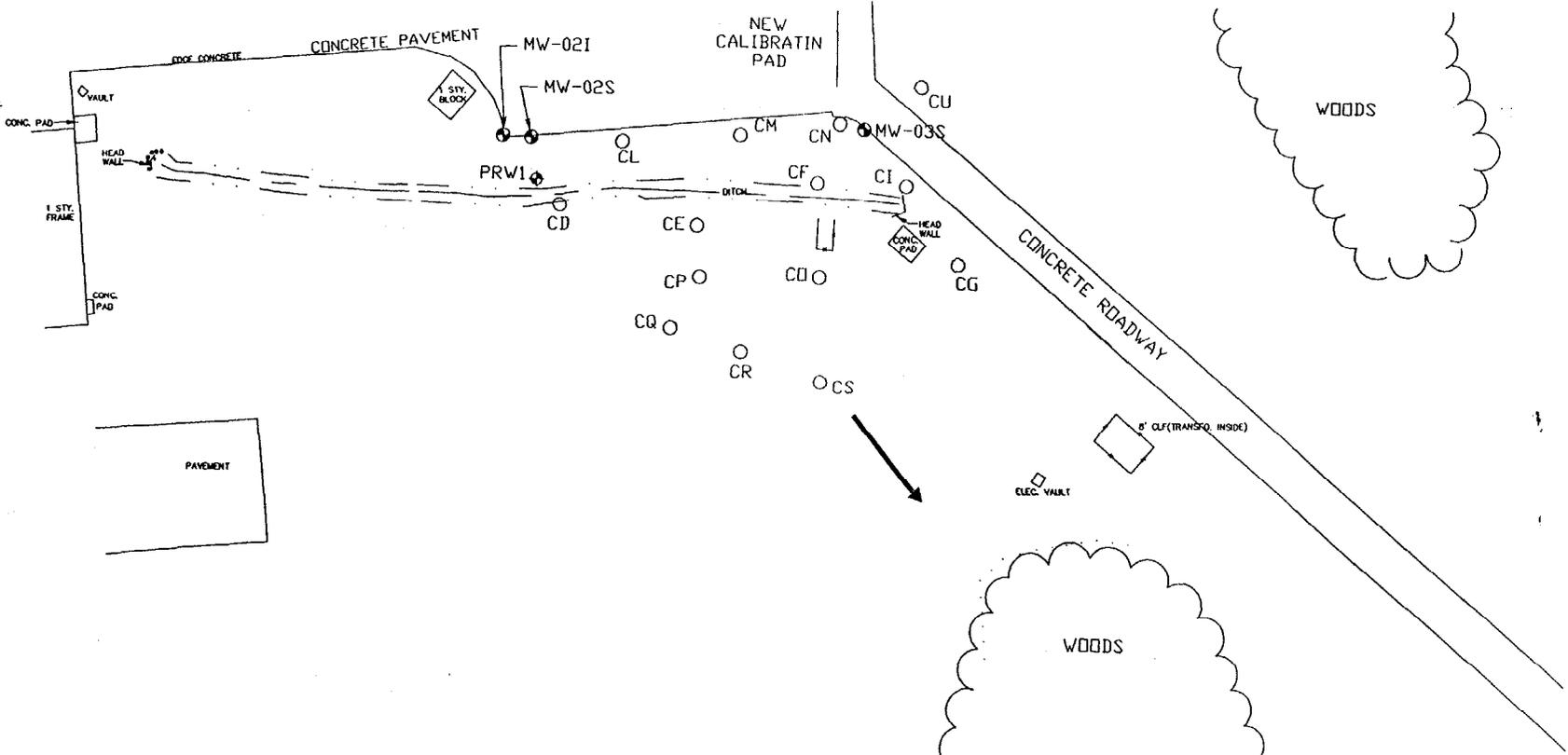
Figure 4 presents the tentative schedule for the HPR activities. As can be seen from the schedule an approval date of May 12, 2000 has been assumed.

Upon your approval of this plan, we will proceed with the procurement of the passive product removal devices. Once these are procured we will mobilize and install the devices according to the attached schedule. If you have any questions, please contact me at (973) 597-7413.

Sincerely,


Marlene B. Lindhardt, CHMM

cc: J. Colter (NorthDiv) ✓
C. Davis (NorthDiv)
B. Ingram (NorthDiv)
A. Holcomb



LEGEND:

-  TREE LINE
-  GROUNDWATER FLOW DIRECTION
-  WELL
-  MONITORING WELL

THIS DRAWING PRODUCED ON AUTOCAD DO NOT REVISE IT MANUALLY
SITE 6A -- FUEL CALIBRATION AREA NWRP, CALVERTON, N.Y.
FIGURE 2 WELLS TO BE USED FOR HYDROCARBON PRODUCT REMOVAL
 FOSTER WHEELER ENVIRONMENTAL CORPORATION LIVINGSTON, NEW JERSEY

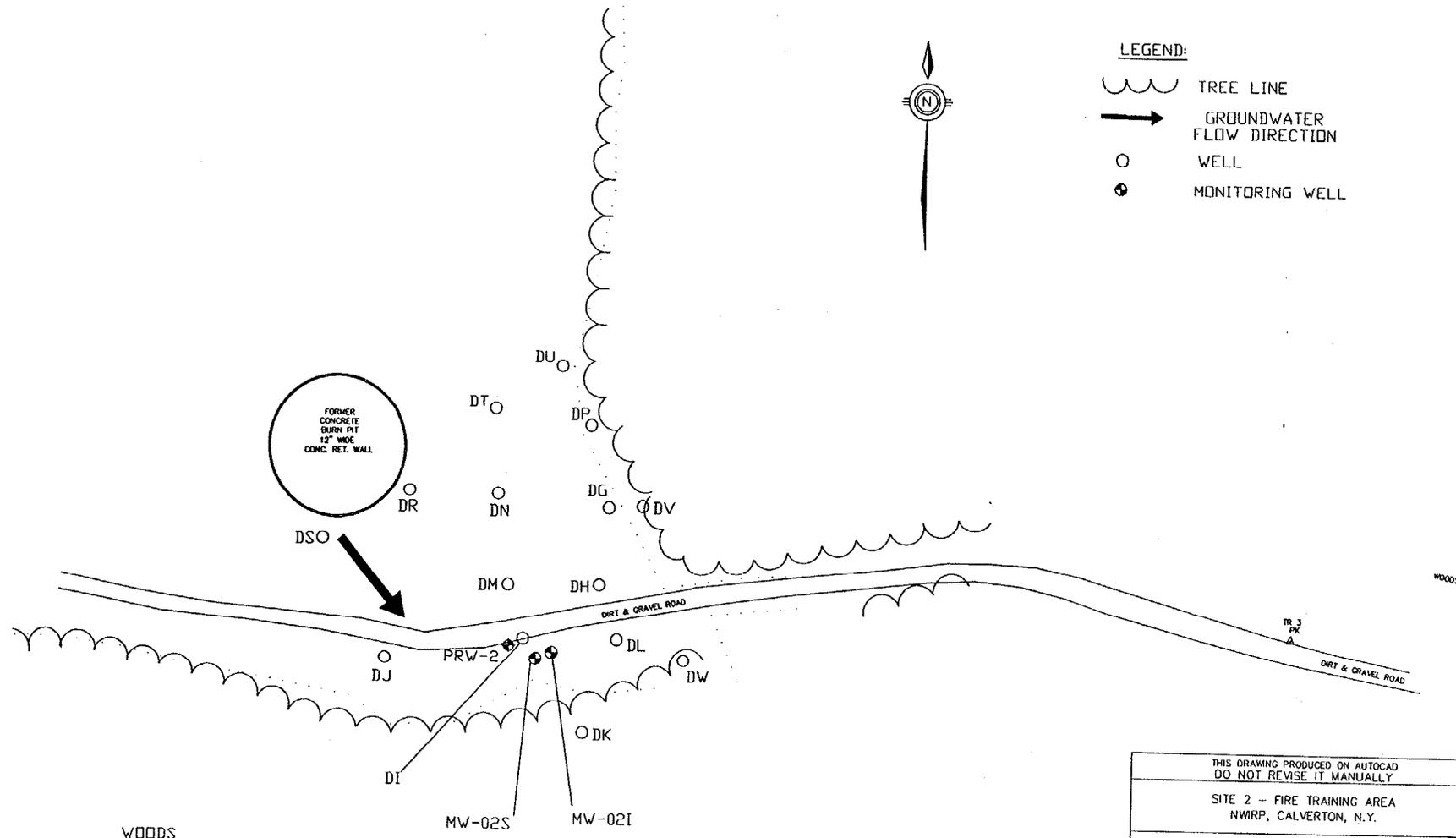
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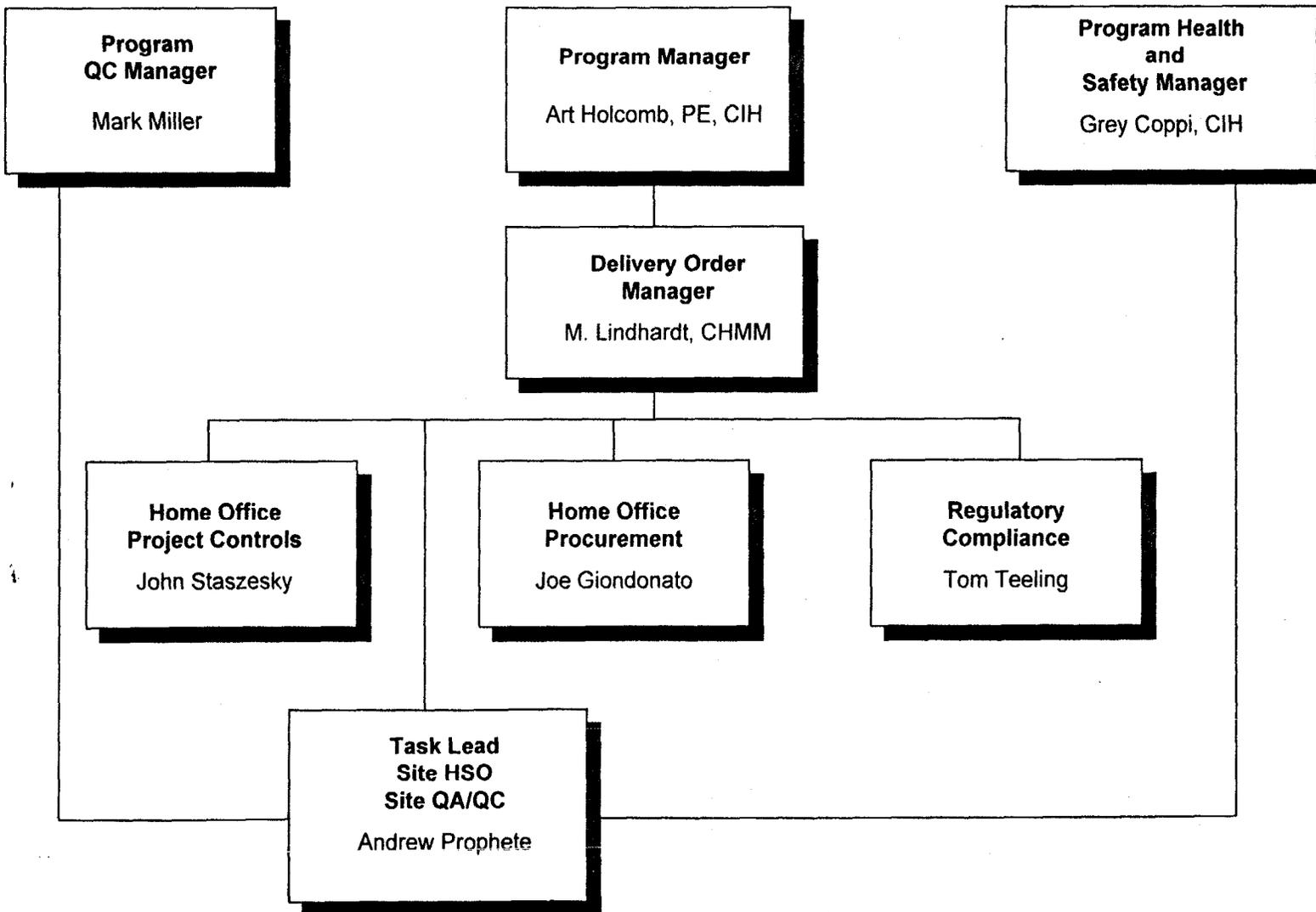
LEGEND:

-  TREE LINE
-  GROUNDWATER FLOW DIRECTION
-  WELL
-  MONITORING WELL



THIS DRAWING PRODUCED ON AUTOCAD DO NOT REVISE IT MANUALLY
SITE 2 - FIRE TRAINING AREA NWRP, CALVERTON, N.Y.
FIGURE 1 WELLS TO BE USED FOR HYDROCARBON PRODUCT REMOVAL
 FOSTER WHEELER ENVIRONMENTAL CORPORATION LIVINGSTON, NEW JERSEY

Figure 3
Foster Wheeler Project Organizational Chart



ATTACHMENT A

OTHER QC FORMS

- **Daily Quality Control/Construction Report**
- **Change Request Form (CRF)**
- **Chain-of-Custody Record for Lab Chemical Analysis**

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE _____

PHASE IDENTIFY DEFINABLE FEATURE OF WORK, LOCATION AND LIST PERSONNEL PRESENT

Y - YES, N - NO, SEE REMARKS
BLANK - NOT APPLICABLE

PREPARATORY

THE PLANS & SPECS HAVE BEEN REVIEWED
THE SUBMITTALS HAVE BEEN APPROVED
MATERIALS COMPLY WITH APPROVED SUBMITTALS
MATERIALS ARE STORED PROPERLY
PRELIMINARY WORK DONE CORRECTLY
SAFETY REQUIREMENTS HAVE BEEN MET
TESTING PLAN HAS BEEN REVIEWED
WORK METHOD/SCHEDULE DISCUSSED

INITIAL

TESTING PERFORMED & WHO PERFORMED TEST

PRELIMINARY WORK IS DONE CORRECTLY
SAMPLE HAS BEEN APPROVED/PREPARED
SAFETY REQUIREMENTS HAVE BEEN MET
TEST RESULTS ARE ACCEPTABLE
WORK IS IN COMPLIANCE WITH THE CONTRACT

FOLLOW-UP

TESTING PERFORMED & WHO PERFORMED TEST

WORK COMPLIES WITH CONTRACT AS APPROVED IN INITIAL PHASE

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

REWORK ITEMS CORRECTED TODAY (FROM REWORK LOG)

REMARKS

On behalf of the contractor, I certify that this report is complete and correct and all equipment and material used and work performed during this reporting period is in compliance with the contract plans and specifications to the best of my knowledge except as noted above.

AUTHORIZED COC MANAGER AT SITE

DATE _____

GOVERNMENT QUALITY ASSURANCE REPORT

DATE _____

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE

DATE _____

CONTRACTOR QUALITY CONTROL REPORT CONTINUATION SHEET

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE

ACT NO

REPORT NO

Y = YES, N = NO, SEE REMARKS,
BLANK = NOT APPLICABLE

IDENTIFY DEFINABLE FEATURE OF WORK LOCATION AND LIST PERSONNEL PRESENT

THE PLANS AND SPECS HAVE BEEN REVIEWED	
THE SUBMITTALS HAVE BEEN APPROVED	
MATERIALS COMPLY WITH APPROVED SUBMITTALS	
MATERIALS ARE STORED PROPERLY	
PRELIMINARY WORK HAS DONE CORRECTLY	
TESTING PLAN HAS BEEN REVIEWED	
WORK METHOD AND SCHEDULE DISCUSSED	

Y = YES, N = NO, SEE REMARKS,
BLANK = NOT APPLICABLE

IDENTIFY DEFINABLE FEATURE OF WORK LOCATION AND LIST PERSONNEL PRESENT

PRELIMINARY WORK WAS DONE CORRECTLY	
SAMPLE HAS BEEN PREPARED/APPROVED	
WORKMANSHIP IS SATISFACTORY	
TEST RESULTS ARE ACCEPTABLE	
WORK IS IN COMPLIANCE WITH THE CONTRACT	

TESTING PERFORMED & WHO
PERFORMED TEST

INITIAL

CONTRACTOR QUALITY CONTROL REPORT CONTINUATION SHEET

ATTACH ADDITIONAL SHEETS IF NECESSARY

DATE

PROJECT NO.

REPORT NO.

T - YES, N - NO SEE REMARKS,
E - BLANK - NOT APPLICABLE

IDENTIFY DEFINABLE FEATURE OF WORK LOCATION AND LIST PERSONNEL PRESENT

WORK COMPLETES WITH
CONTRACT AS APPROVED
IN INITIAL PHASE

TESTING PERFORMED &
WHO PERFORMED TEST

FOLLOW-UP

**Foster Wheeler Environmental Corporation
Change Request Form**

Section 1 through 4 to be filled out by Foster Wheeler. Section 5 to be filled out by Navy

PROJECT: Navy RAC D.O.	OFS.No. 1284-00	Change Request Form: CRF- Rev.
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To: _____ Dept. _____ Location: _____ Date: _____

Re: Drawing No. _____ Title _____
 Spec. No. _____ Title _____
 Other _____

1. DESCRIPTION (*Items involved, submit sketch if applicable*) _____

2. REASONS FOR CHANGE (*If from disposition of nonconformance report, list report number*) _____

3. RECOMMENDED DISPOSITION
- Technical Clarification [NTR approval required]
 - Out of Scope [CO/COTR approval required]
 - Cost Growth
 - ROM Estimate (If Applicable) \$ _____
 - Schedule Impact _____

FWENC Initiator (Signature/Title): _____

4. FWENC Project Manager (Signature)	Date	Project Superintendent Concurrence (Signature)	Date
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5. NAVY DISPOSITION
- Approved per recommended disposition
 - Not approved (give reason)
 - Approved with modification(s) [describe below]

NTR Concurrence (Signature)	Date	ROICC Concurrence (Signature)	Date
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Contracting Officer Technical Representative Approval (Signature)	Contracting Officer Approval (Signature)	Date
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Engineer signs and transmits to Resident Engineer with copies to:

_____ Project Manager	_____ Others as Required
_____ Project Superintendent	_____ File:
_____ Quality Control	_____

