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MINUTES FROM ORLANDO PARTNERING TEAM MEETING ON 17 SEPTEMBER 1997 NTC
ORLANDO FL
9/17/1997
NAVFAC SOUTHERN

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**ORLANDO PARTNERING TEAM
Meeting Minutes**

Date: September 17 - 18, 1997
Location: Orlando, FL
Team Leader: Nancy Rodriguez
Recorder: Gary Whipple
Gate/Timekeeper: Bob Cohose

ATTENDEES

OPT Members

-Wayne Hansel
-John Kaiser
-Steve McCoy
-Bob Cohose
-John Mitchell
-Nancy Rodriguez
-Gary Whipple

Support Members

-Rick Allen
-Anne Marie Lyddy
-Doug Dangerfield
-Nick Ugolini
-Shannon Gleason
-Bob Burns
-Mark Salvetti
-Manuel Alonso

Guests

-LT Keith Walters
-Charleston DET:
-Terry Lewis
-David Gabrielli

ATTACHMENTS DISCUSSED AT MEETING

1. UST/IR update and status as of 18 Sep 97
2. Plan View of Herndon Annex DPT Sampling Results

SEPTEMBER 18TH

Check-in

1) Nancy Rodriguez, team leader, began the meeting at 0800 with all team and most support members in attendance. The team read the OPT mission, vision, and ground rules for those in attendance. The team reviewed the minutes from August, made minor editorial changes, and discussed the status of action items. Gary gave a quick update on the RAB social held on 28 August to slate new members.

UST/IR Update

John Kaiser provided the UST/IR update, refer to Handout #1. In addition, note the following:

- 1) The OU1 ROD was added to the parking lot for discussion. The Charleston Detachment is a likely candidate for this work.
- 2) SA 36: soil gas survey detected PCE; a well will be installed downgradient from the drum rack.
- 3) SA 30: two wells will be added north of the 129/139 area to check upgradient for potential PCE plume; also one well downgradient from 129.

UST/IR Update (cont.)

- 4) SA 35: the bottom of the hydraulic lift in 2078 will be investigated.
- 5) ABB issued revised Project Operations Plan (POP) from original 1994 version, incorporating EPA protocols, guidelines and updates.
- 6) SA 2: Herndon Annex; DPT pushes continue; positive detections of benzene ranging up to 74 ppb found under residential area east of Herndon. Community interface going well. Need to determine groundwater direction and eastern extent of plume. (More follows)
- 7) 7153 CAR will be issued under old FAC 62-770.
- 8) Bldg. 200: proceed with overdevelopment, adding MW #2.
- 9) Bldg. 7174, Site Assessment Plan added to parking lot.

FOST/FOSL/Transfer Update

Wayne Hansel provided the following update:

- 1) Fairwinds Federal Credit Union sale finalized. FDOC and Customs transfers completed, deeds being transferred soon.
- 2) EBST for McCoy Annex utilities added to Capehart FOST to clarify to utility companies that ongoing environmental work must be addressed.
- 3) FOST survey for NNPTC area must be coordinated with NNPTC staff, to begin first week of October.
- 4) Field work for Groups IV and V, NNPTC Area, will be completed in October, with first draft reports soon to follow.
- 5) GOAL: All FOST's for April '98 transfer completed by early February '98.
- 6) Next round of tank removals; site walkthrough to start first week of October. NTC will provide the latest availability list to Southdiv.
- 7) PWC Pensacola experiencing contracting problem with soil removal at 7174. PWC, Southdiv and FDEP working to resolve issue.
- 8) FLANG transfer mechanism still in question: federal or state transfer? Issue holding up transfer process.

FOST/FOSL/Transfer Update (cont).

9) FFP/Cost Plus questions: All currently scoped work covered by cost plus task orders. Any further delineations or extra investigations considered extra and negotiable. Doug Dangerfield mentioned a possible amount of flexibility added to the FFP initiative, but further guidance must come from the Environmental Business Line Owners (EBLO) group at Navfac. Due to the potential for this process to hinder the timeliness of remaining work, extra care must be taken in developing technical decisions.

Study Areas 52 and 9 Update

At SA 52, dieldrin hits at samples 8, 11, and 14 slightly above industrial standards and a leachability concern. For further discussion.

FAC 62-770

1) The new changes go into effect 23 September 1997. They establish updated risk, natural attenuation and remediation guidelines, using risk-based corrective actions. FDEP CAR/NFA guidance being updated in October, so previous editions are no longer valid.

2) The responsibility of free-product removal rests with the property owner. Bailing and vacuum extraction are a few of the available alternatives.

3) Site Assessment Reports: What about work already submitted? FDEP field policy states that any CAR's submitted since August '97 need to follow new rule even if they were developed under previous guidelines. Case in point: The 2273 CAR was submitted in early CY97, but its addendum was recently submitted in September. The 7241 CAR was started under the new guidance. The new guidance has not changed the clean closure process.

ACTION ITEM:

1) FDEP will provide specific guidance on additional requirements for the two remaining CAR's in the review process: 7153 and 2273.

2) ABB to review PWC TCAR's and provide results to Nick Ugolini.

DECISION:

TCAR's will no longer be required for clean closures for unregulated tanks. A letter report with a map, soil gas data documenting no soil contamination, and other necessary site specifics will be used.

Herndon Annex

Benzene groundwater contamination was detected east of the annex in the residential area, mostly 40 feet below land surface. (See Handout #2). Four of the six pushes along Nancy Lee Avenue had detections, one was nondetect, and the results were not available from Q120, furthest south. Three piezometer pairs are in place to determine the direction of groundwater flow.

DECISION/ACTION:

- 1) Take three more DPT readings: two on Bobby St. and one on Wren to determine eastern extent of plume. Is the contamination crossing Slover Ave?
- 2) Sample the two piezometers on Ira St. for additional data points.
- 3) Analyse the data from Q120, Q121, and the other three DPT locations on Andes Ave to determine the best location for an upgradient DPT push in the direction of Bldg. 602.
- 4) Determine location for confirmatory wells in residential area.

Operable Unit 3 RI/FS Update

EPA and FDEP comments discussed and incorporated into Workplan. The TERA probe is scheduled to begin 6 October. Surface sample and microwell locations were discussed in relation to ongoing IRA field work. The locations of surface soil samples will be modified to address the additional excavation during the IRA. Work can begin before the final workplan is issued.

Study Area 39

- 1) The PCE source is probably gone. Natural attenuation parameters are not favorable for biodegradation. However other factors, such as advection, adsorption, dispersion and volatilization, are active. A temporary groundwater restriction is most likely. Levels are dropping in well #3, which is recommended to be monitored quarterly. No potential pathway exists.
- 2) Surface soil: the Reasonable Maximum Exposure (RME) for arsenic and PAH's is in the 10^{-5} range. To remediate to background, risk is reduced to 4.1×10^{-6} at a cost of \$0.5M to \$1.6M depending on remediation technique. Additional vertical soil delineation necessary to develop a cost benefit analysis for soil removal.

Study Area 39 (cont).

3) Due to the proposed high density housing and associated parking, coupled with the observed site preparation across Bennett Road, risk reduction may be minimal compared to soil removal costs.

4) If soil removal is necessary, then a speciation of organic and inorganic arsenic levels should be entertained to further define risk. At this point, study area 39 and 40 are being written separately since 40 has more arsenic.

ACTION ITEM:

1) John Mitchell will contact the FDEP risk assessors to see if speciating organic/inorganic arsenic will effect risk assessment.

2) ABB to proceed with recommendations contained in draft report.

Operable Unit 2 Update

1) Steve McCoy and Mike Campbell briefed the team on schedules and current field data. Sample location maps were distributed, and the correlation and interpretation of the EM and magnetometer were discussed.

2) B&R is still waiting for validated soil sample data; no validated radiological problem above background screening level to date. There is also no radiological detection above background screening level for sediment. At this point, John Mitchell stressed that the sediment samples must be compared to the FDEP Sediment Quality Assessment Guidelines (SQAGs) and EPA Region IV Sediment Screening Values (SSVs). Metals were found above background screening levels in sediments at locations SW004 and SW010; vanadium, iron and zinc in SW004 and just vanadium in SW010.

3) SW010 had one surface water radiological detection above the gross alpha background. (27 compared to 15). Numerous metals detections were found in SW010. John Mitchell recommended either resampling or speciation with additional samples; the team chose resampling along with a clarification of the site conditions such as turbidity, standing water versus stream effects, etc.

4) The soil gas survey, using the commercial product Gore-Sorber, shows BTEX, benzene, and some PCE along the northern edge of the wooded area. Chloroform was also widespread.

5) DPT's for groundwater found various hits of DCE, TCE, benzene, other chlorinated solvents along the boundaries of the wooded

Operable Unit 2 Update (cont).

area and the golf course. Most of the detections were in the intermediate depth; approximately 30 feet bls. The western and northern edges of the golf course apparently had no detections.

ACTION ITEM:

Brown & root will resample SW010 and clarify the localized site conditions for this sample.

OU4 IRA Remediation Work Plan

1) Comments due by 25 September 1997; need to start the field work to keep schedule. The goal: issue final plan by 29 September and mobilize in mid-October.

2) Confirmation of the stripping well efficiency was questioned, but design questions, such as pump sizing, flow rate ranges, etc. may not be able to be addressed due to patent issues.

3) Savannah River installation is up and working, but site engineers are concerned about bio-fouling issues.

ACTION ITEM:

Team members to provide comments to Bob Cohose NLT 25 Sept.97.

OU4 RI/FS

1) The team discussed and addressed EPA technical issues concerning bentonite grout, stoppers, low-flow sampling and purge volumes in relation to the placement of the pump intake in the screened section and water column. Unfiltered samples for metals will be done, which was unclear in the work plan.

2) It must be noted that two field programs exist for OU4; one for the IRA recirculation wells and one for the RI/FS work. The two field programs should be coordinated but kept separate in everyone's mind during technical discussions.

3) FDEP does not accept area-weighted sampling approach for soil risk assessment.

4) A full suite was never run on Lake Druid, and none is planned in the RI/FS. Considering local drainage patterns and the relatively low number of samples taken (<10), the results could be biased against the Navy.

OU4 RI/FS (cont).

ACTION ITEMS:

- 1) Bechtel and ABB to ensure that the lab efforts under the IRA are coordinated with the lab efforts under the RI/FS to ensure that the respective results can be correlated and shared.
- 2) John Mitchell to e-mail RI/FS comments by 25 September.
- 3) ABB to issue final workplan late September. EPA and FDEP had no comments.

RAB Meeting

- 1) The RAB meeting went well; adding three new members to the board, of which two were present to be introduced to the rest of the board. Two positions remain available for an additional slate. Designation letters are being forwarded to COMNTC for signature.
- 2) The special topic was informative and a good visual representation of subsurface hydrogeology. However, the guest speaker strayed into areas still left open to discussion concerning the OU4 RI/FS.
- 3) Community turn out was good; most of the discussion centered around the additional sampling at Lake Druid and the community's request for some type of posted warning on the Navy's side of the lake. One resident from the area east of Herndon attended and expressed his concern for his health and property value. The RAB briefed him on the site specifics of the benzene plume and assured him that there are no health risks. The RAB will consult with Southdiv Real Estate concerning disclosure requirements.

ACTION ITEM:

Gary will receive thorough topic briefing from guest speakers to ensure that inappropriate or potentially misleading information isn't communicated to the community.

SEPTEMBER 19TH

Team Building Exercise

Anne Marie showed the team her commencement address, by request. The team then engaged in an exercise to manage change. The

discussions were good and showed that change can be managed to some extent, with a little foresight and initiative.

OU1 ROD

The concurrence letter from FDEP is making its way through the federal facilities division lawyers. John Mitchell is anticipating some comment from legal review concerning the ability to enforce deed restrictions, but this should not necessarily hinder the concurrence process. The draft design (sampling plan) was sent to the Charleston Detachment.

Study Area 21

Signed, sealed, and delivered.

7174 Site Assessment Plan

The team discussed the details concerning follow up monitoring wells and soil sampling. Although not required by regulations, because of the history of 7174, an assessment plan will be submitted to the OPT.

Metrics

1) John Kaiser led the development of the UST/AST management metric using the following baseline:

Existing tanks	309	
Pulls	107	
Closures	173	_____ (Available for closure to completion)
CAR's	32	15 in progress 17 completed 13 NFA's, 2 MOP's, 2 RAP's

Time for closure report?

2) The following process summarizes the UST/AST removal process:

Available tanks identified by NTC
Contract for pull
Mobilization
Pull/removal (+paper)
Assessment
Site Restoration
Disposal- tank (+paper)
 - soil (+paper)
Closure Report
Site Assessment Report -----> Completion/feedback--->FOST

ACTION ITEMS:

- 1) Gary to maintain updated UST/AST availability listing.
- 2) John Kaiser will generate dates for IDW generation, and Gary will generate cost data for disposal.

TEAM MEETING CRITIQUE

POSITIVES

- covered agenda
- team training
- Anne Marie's address
- active/productive RAB meeting
- good horns
- good support of Charleston For OU3 IRA
- entering homestretch for metrics
- good conflict resolution

DELTAS

- RAB speaker not briefed
- late minutes
- lost energy during Herndon
- no survey from Galileo