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MINUTES FROM ORLANDO PARTNERING TEAM MEETING ON 21 OCTOBER 1998 NTC
ORLANDO FL
10/21/1998
NAVFAC SOUTHERN

**ORLANDO PARTNERING TEAM
MEETING MINUTES
JACKSONVILLE, FL
21-22 OCTOBER 1998**

03.04.00.0027
00145

Team Leader- Gary Whipple
Recorder - Rick Allen

Gate Keeper/Timekeeper - Alan Aikens
Facilitator- Steve Goldfarb

ATTENDEES:

OPT MEMBERS:

Alan Aikens
Rick Allen
Bob Cohose
David Grabka
Wayne Hansel
Steve McCoy
Nancy Rodriguez
Gary Whipple

SUPPORT MEMBERS:

John Kaiser, Tier II
Steve Goldfarb, Galileo

GUESTS:

Mike Dunaway, HLA
Terri Lewis, DET
A.J. Moyer, DET
Mike Campbell, TTNUS

HANDOUTS DISCUSSED AT THE MEETING

1. Open OPT *ACTION ITEMS* (Updated October 3, 1998)
2. UST/IR Update and Status (Sept. 1998, 2 pages)
3. HLA OU 3 (Draft) Response to Comments
4. Developer Package - Status Summary, Environmental Restoration Sites

OCTOBER 21

CHECK-IN, ACTION ITEM REVIEW

Gary Whipple opened the meeting at 0900 with all OPT members and SUPPORT listed above in attendance. Ground rules were reviewed after sharing personal updates. The *ACTION ITEMS* were reviewed and cleared. (See Handout #1). Carryover action items from September follow:

1. *ACTION ITEM:* FDEP to provide response to Bldg. 369 SAR requesting NFA. Dave G. said FDEP would issue letter next week (*HLA received letter 10/26/98*)
2. *ACTION ITEM:* Gary W. to get letter out re tanks (Aug 10 HLA letter), locate wells (SA 39) - 1 week. *Gary reports (10/29/98) that the letter is still in production and the SA 39 wells are still buried.*
3. *ACTION ITEM:* Dave G. to confer with FDEP (UF) concerning input parameters for OU 2. Dave G. to resolve matter with Ligia Mora-Applegate and Tim Barr (2 weeks)
4. *ACTION ITEM:* HLA to generate potassium permanganate letter to FDEP - check with M. Salvetti - copy to OPT before next meeting
5. *ACTION ITEM:* Steve M. to update Main Base golf course assessment success story (within 1 wk before next meeting)
6. *ACTION ITEM:* Gary W. will have soil at Bldg 2273 analyzed; if contaminated, will contact City to have them dispose of excavated soil

We welcomed Steve Goldfarb as our new facilitator. Steve told the Team what he expected of the OPT, and the OPT went around the table to tell Steve expectations of him as a facilitator: "Please keep us from going into the ditch!" Steve's Email address is

stevegoldfarb@mailcity.com

7174 RAP

Mike Dunaway (HLA) gave a brief history of Bldg 7174, and explained the current groundwater situation. He then summarized the RAP, air sparging Vs. biosparging, Benzene at 1400 ppb in groundwater. HLA selected the area within the 5 ppb benzene contour line as the area to sparge; the remainder is expected to naturally attenuate. NA parameters (DO, iron, others) indicate that NA could be enhanced by addition of an oxygen source. HLA selected biosparging as the recommended remedial action with 5 injection points @ 1 cfm. The system is designed to maintain vapor emissions below the State's permissible vapor emissions. Not recommending air sparge pilot test or biosparge pilot - recommend build biosparge system and evaluate performance through monitoring. HLA estimates 3-1/2 yr operation of biosparge system prior to cleanup to within parameters required for continuing NA with monitoring. Reductions should occur outside of design influence radius as well. Estimated cost \$150K, 1/2 was first yr capital cost. Greg Brown has verbally approved the concept, but mentioned that straight air sparge would have been faster (but more expensive). Nick U. (based on conversations with Wayne and Rick) would like to consider NA/monitoring only since ditch was still "clean". Dave said benzene concentrations do not meet the State's minimum requirements (high benzene concentrations). Post remediation data indicate that the plume may have shrunk. The site will go to GOAA, and they do not plan to use site until at least 2010. Most recent data was approx. two months prior to May 1998 (SAR). Last RA data October 1997. NA parameters collected June 98.

Put 7174 on parking lot. Cost estimate for next month to evaluate NA.

7. *ACTION ITEM:* Wayne H. to discuss with Nick the rationale for recommending evaluation of NA and monitoring only at 7174. The RAP will have to be reissued or an addendum issued if OPT delays implementation of RAP.
8. *ACTION ITEM:* Dave G. to go back to petroleum group to determine whether NA at Bldg 7174 is a viable remediation alternative given their experience.
9. *ACTION ITEM:* HLA to prepare cost estimate to evaluate NA at Bldg 7174 (will present at OPT meeting next month).

UST, IR, TRANSFER UPDATES

1) UST: See Handout #2 for details. There was discussion on the soil pile at 2273, which should be the City's problem, since they excavated it as part of their utility corridor installation.

10. *ACTION ITEM:* Bldg 2040. HLA to check on status of soil sampling at Bldg 2040 before next meeting

2) IR: See Handout #2 for details.

11. *ACTION ITEM:* Dave G. to determine whether OLD-03-04 at SA 3 needs to be sampled in future sampling rounds (PCE concentrations were below MCLs in two successive rounds)

3) Transfer: Lawyers trying to get MOA completed. FOST for commissary is ready for CO's signature. FOST for North Main Base, waiting on MOA. City now is going to accept transfer with cleanup to intended reuse, not residential as was previously the case; they will now accept institutional controls.

4) Tier II: Held monthly conference call, minutes and metrics from all teams are still forthcoming.

OPERABLE UNIT 4 RI, IRA UPDATE

Second quarterly report for period May to Sept should be completed in November. SBP closed 9/28/98. R.F. Weston has been backing SBP financially. UVB-1 is currently operating at 8-9 gpm; UVB-2 is operating at 4-1/2 gpm. RFW wants to do 3 day well development, may need stripper unit versus frac tank. FDEP has approved mods to original design, should start to implement 11/9/98.

TRAINING

Steve led us through an exercise to solve a group problem with 1 to 3 tennis balls, which the group did with great perspicacity, speed, and efficiency. Move over, rhesus monkeys! Then, we categorized ourselves as FAST/SLOW and RELATIONSHIP/TASK and Steve pointed out how those categorizations can change, depending on the situation.

OU 3 RI/FS COMMENTS

HLA's responses are draft and require additional ecological risk assessment input, in progress (see Handout #3). Decided to forego substantive discussions, pending finalization of HLA responses. HLA risk assessors should communicate with FDEP and EPA risk assessors to minimize responses to responses to responses. Will plan to have risk assessors present next month if appropriate.

12. *ACTION ITEM:* HLA to finalize OU 3 response to comments as soon as possible and distribute to OPT.

OU 2 LANDFILL CAP INTERIM ACTION

Bechtel would like to proceed with excavation of Main Base golf course as an IRA "time critical removal action" and place cover on OU 2 landfill. Will need permits for timber harvest. Need to work with South Florida Water Management District. Bechtel to clear landfill to southern extent of landfill materials as mapped by TTNUS.

Bechtel would like to treat OU 2 as an IRA; will only cover to southern extent of landfill; will cover with two feet of cover; will pull stumps prior to fill placement. Tree stumps, small trees, and brush will be chipped and spread over the site. Civil Survey (topo) will not be performed prior to and after fill placement. Bechtel will perform wetlands delineation.

13. *ACTION ITEM:* OPT comments back to Bob re draft letter to FDEP by 10/26/98.

STUDY AREA WORKPLAN REVIEW

Study Area 17: DET doesn't know what the "dig" boundary is - needs clarification. Three samples have high PAHs above industrial screening levels. Immunoassay kits for total PAHs may not be adequate due to 1 ppm detection level; carcinogenic test kits require more rigorous field procedures and operator skill level. Need to perform the field analyses in controlled conditions. HLA will do the sampling with standard turnaround since the excavation won't be performed until January '99. Hauling the soil from SA 17 and 39/40 to OU 2 will be considered as the risk at OU 2 is not expected to be increased. There will be a maximum of 3200 yd³ to be excavated. Wells need to be protected for groundwater investigation. DET will leave the wells in the excavation area, i.e., leave a radius of 5 ft. DET will prepare Work Plans. The analytical data are sufficient to show that arsenic is not a problem at this site. Sample locations will need to be staked to ensure that the locations are still identifiable when the excavation is performed. Disposal cost for non-haz waste is ~\$30/ton.

Does backfill have to be analyzed/certified? Yes, a couple of samples of the barrow will be taken to certify clean.

(This SA was discussed as a parking lot item on 10/22, and it was decided that HLA would follow the work plan: collect 4 samples around each of 3 "hot" spots and submit for PAH analysis. Based on lab results, HLA will reevaluate recommendations for DET soil removal. DET will be responsible for confirmation sampling.)

14. *ACTION ITEM:* HLA will collect 12 surface soil samples at SA 17 and submit for PAH analysis as per HLA work plan, then update text, Figure 2 and Table A-2 of workplan, as appropriate.

Study Area 18: Chlorinated contaminants in one well. One surface soil contamination area (20 x 20 ft) to be excavated. Only one sample out of 15 had exceedances of industrial SCTLs. It is believed that PAHs and dieldrin accumulated in the swale. The dieldrin is slightly above the residential SCTL, but well below the industrial standard.

To meet the residential standard, both PAH and dieldrin analyses will be necessary. One composite confirmatory sample will be taken from the walls of the excavation prior to backfill. The intended reuse at this site is industrial.

DECISION: Remove the 20 x 20 ft area and take a composite sample (to determined in the field).

Study Area 23: Remove 5 x 5 ft area under the pool drain pipe, weld up the drain pipe, without confirmation sampling. HLA to revise work plan to reflect no confirmation sampling required.

Study Area 35: Bottoms of pits to be dug out, then backfilled. The concrete doesn't need to be replaced. The developer wants to demo the bldg early but the Navy will use the bldg to store furniture. The developer proposes to use the area for "mixed use" (office and residential). At issue are detections of 4.8 and 2.2 ppm in two surface drainageways leading from asphalt parking lot, detections of 1.4 and 1.1 ppm adjacent to foundation of Bldg 2078, and a detection of 1.1 ppm adjacent to SE fenceline. Most of site is asphalt-covered. All other surface soil exceedances for arsenic will be excavated during TRPH remediation, which will include five excavations (2 inside 2078 and 3 outside). DET to wait for decision before finalizing their work plan for SA 35. The arsenic in the pit bottoms and in the subsurface may be naturally occurring, but additional sampling would be required to prove.

15. *ACTION ITEM:* Dave G. to discuss the arsenic issue with FDEP to resolve whether arsenic will require remediation at SA 35.

Study Area 37: HLA to abandon the 2 wells before the DET performs the excavation. The TRPH in the area will be removed by the DET with Excavation B.

16. *ACTION ITEM:* Gary W. to check to whether a cart hose down area existed at SA 37.

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STUDY AREA WORKPLAN REVIEW (Cont.)

Study Area 35: Area A - DET noted a 2" PVC stick-up (possible piezometer) not identified on the map.

17. *ACTION ITEM:* HLA to investigate the stick-up behind Bldg 2079 at SA 35. (*Note: Stick-up is a 2-inch temporary well installed to investigate an oil-water separator. HLA will abandon prior to DET excavation activities.*)

Study Area 39/40: Two areas identified for soil excavation. Possible problems with existing structures, i.e., small buildings, concrete pads, lamp posts, etc. Developer plans show SA 40 as office and SA 39 as "swing" areas (office or housing).

SA 39: Excavate the "easy" area south and the area to the east side of Bldg 137. Spoil piles (from SA 30) will be sampled and used for backfill. Bldg 137 will not be demolished. The large oak tree will be saved - excavate to the drip line. Excavated soil can be used at McCoy Annex golf course for fill. Developer has been surveying the area and is expected to issue a map showing individual sites.

18. *ACTION ITEM:* DET to excavate up to the trailers at SA 39. HLA to identify sample locations east of Bldg 137 to determine where samples were located and recommend the area to be excavated to remove the arsenic exceedance.
19. *ACTION ITEM:* Gary to check whether 20 x 20 ft pad at SA 39 needs to be removed. (*Concrete pad can be removed along with abandoned electrical and water service to old office trailer site for grounds maintenance contractor. NTC will ensure that the water and electrical are secured before excavation begins.*)

SA 40: DET - Does the entire large area need to be excavated or just the five PAH/arsenic hot spots? Residential cleanup standard applies here. Soil can be used at OU 2 for fill. Bldg 135 to stay. Light pole with osprey nest will stay. Field lights stay. Wells to be abandoned by HLA.

20. *ACTION ITEM*: HLA to take 3 confirmation soil samples in "dashed line" excavation area of SA 40 for lab analysis (PAHs and arsenic) to improve confidence in the excavation boundaries.

OU 3, SA 8: Options for SA 8 will be evaluated when FS is completed. Continue with work plan to prepare for possible work next spring. Decon water needs to be captured if buildings are steam cleaned. Each bldg will have to be evaluated for decon requirements. Metal bldgs may be able to be recycled without decon. The DRMO has procedures for bldg recycling. Bldg 2134 can stay (not demolished).

21. *ACTION ITEM*: Gary W. to get decon/disposal requirements for metal buildings at OU 3 from DRMO by next meeting.

OU 3, SA 9: Wells to be left in place beyond northeast corner of large soil excavation completed by DET.

The DET won't start excavations until Jan or Feb, or possibly Mar, depending upon the overall work schedule. Prepare one overall work plan for the excavation work to minimize paper work.

OU 2 RI/FS

Mike Campbell gave a brief summary of DPT survey, pointed out 5 areas of contamination along perimeter, DPT survey led to placement of monitoring wells.

Groundwater. Described well development, low flow sampling, very turbid water samples in many wells (48 samples), only a few were below 100 NTUs. TTNUS wants to filter the water samples to cut down on turbidity, which may reduce RADs. Then can make a case that RADs don't need to be speciated. Two minor detections of organic contaminants on GOAA property, other exceedances of vanadium and cadmium. Characterization wells detected benzene, TCE, VC, and TCA at concentrations exceeding GCTLs. Also had some VOCs (bromodichloromethane, chloroform) in upper Hawthorn at concentrations exceeding GCTLs.

22. *ACTION ITEM*: TTNUS will submit a decision tree to OPT for procedure to use to resolve RADs issue for OU 2 groundwater. Will probably involve choosing 4 wells to resample and submit for gross α/β , filtered/unfiltered, to include upgradient well and 3 downgradient wells.

DECISION: Hold off on recommendations for additional Hawthorn wells pending data validation, potentiometric surface on Hawthorn (next week or so). Resample MWs 20A and 20B to confirm contaminants detected over GCTLs. Proceed with the RI. If additional Hawthorn MWs are required, an RI addendum will be provided.

Soil. Several soil samples along southern boundary of landfill have gross α/β exceedances. More than 100 samples in golf course surface soil samples did not have exceedances (different lab).

DECISION: Resample 2 hottest soils samples and submit for speciation

Surface Water. Mike presented sampling methodology for surface water bodies.

Pump Test. Results indicate low conductivity zone to east, wells of similar distances from pumping well track very well, Mike presented drawdown curves at various times during pumping test. Conclusions: radius of influence ~300 feet, determined aquifer parameters.

DEVELOPER PACKAGE

Steve presented format for the package (3" ring notebook, contents), solicited comments on format of environmental site summary (see handout #4) Steve also showed Main Base map showing all restricted areas.

ACTION ITEM: HLA needs to assess SA 39 (and Bldg 2273) and document wells to be reinstalled in a letter to Navy.

CRITIQUE, AGENDA, CLOSE-OUT

POSITIVES (+)

- Good location
- Agenda management
- Good training - Welcome, Steve
- Quick turnaround on minutes
- Mike Campbell presentation
- Steve filled in for Rick as scribe
- Good lunch(es)
- DET willingness to attend 2nd day of meeting
- Pushing forward
- Raise personal comfort levels

DELTAS (δ)

- Low energy
- No party in Tower Room
- SOUTHDIV support problems
- Agenda/time updates
- Late lunch

OPT AGENDA
November 18 and 19, 1998
Orlando, FL

TEAM ASSIGNMENTS

Team Leader: Rick Allen
 Recorder: Alan Aikens
 Gate/Timekeeper: Bob Cohose
 Facilitator: Steve Goldfarb
 Tier II Link: John Kaiser

SUPPORT

Barbara Nwokike (SDIV)
 Nick Ugolini (SDIV)
 Mark Salvetti, HLA

EXPECTED GUESTS

Robin Manning, BEI
 Dave Heislein, HLA
 Kim Nelson, HLA

<u>Time</u>	<u>Subject</u>	<u>Objective</u>	<u>Lead</u>
Wednesday, November 18			
0800	Check-in, AI Review	Administration	RA
0900	UST/IR/Transfer Updates	Information transfer	RA
0945	Tier II Updates	Information transfer	JK
1000	BREAK		
1015	7174 RAP	Resolution/Decision	NU
1100	Training	Training	SG
1200	LUNCH		
1315	OU 2 RI	Information transfer	SM
1345	OU 2 FRA	Information transfer	SM
1415	OU 2 IRA	Information transfer	BC
1445	BREAK		
1500	Developer package	Resolution/Decision	SM
1530	RAB Presentation (IRAs/ fact sheets)	Preparation	WH
1630	END OF DAY		
Thursday, November 19			
0830	SA Review: SA17 (comments?), Bldg 2273/SA39 wells, 54, 55, 2/36 drilling	Information transfer	RA
1000	BREAK		
1015	OU 4 IRA	Information transfer	RA/BC
1045	OU 4 RI comments?, FS Technologies, permanganate treatability update	Resolution/Decision, Information transfer	RA
1145	LUNCH		
1300	OU 3 FS	Information transfer	RA
1400	OU 3 Response to Comments	Resolution/Decision	RA
1500	BREAK		
1515	Critique/Close Out	Administration	RA
1615	END OF DAY		

ACTION ITEM SUMMARY

October 98 Meeting

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