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MINUTES FROM ORLANDO PARTNERING TEAM MEETING ON 16 SEPTEMBER 1998 NTC  
ORLANDO FL  
9/16/1998  
NAVFAC SOUTHERN

**ORLANDO PARTNERING TEA**  
**MEETING MINUTES**  
**ORLANDO, FL**  
**16-17 SEPTEMBER 1998**

03.04.00.0026

00144

Team Leader- Nancy Rodriguez  
Recorder - Gary Whipple

Gate Keeper/Timekeeper - Rick Allen  
Facilitator- Bob Mack

**ATTENDEES:**

OPT MEMBERS:

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

SUPPORT MEMBERS:

Nick Ugolini (SDIV)  
Barbara Nwokike (SDIV)  
John Kaiser (Tier II)  
Bob Mack (Galileo)

GUESTS:

Mark Salvetti (HLA)  
Greg Mudd (HLA)  
Bill Olsen (HLA)

**HANDOUTS DISCUSSED AT THE MEETING**

1. Open OPT Action Items (Updated September 3, 1998)
2. UST/IR Update and Status (Sept. 1998, 2 pages)
3. Training Handout on Empowerment from Galileo Quality Institute (3 pages).
4. Study Area figures from HLA (10 pages)
5. NTC Orlando OU4 RI Summary and FS Introduction (11 pages)
6. Proposed UVB well modifications (2 pages)

**SEPTEMBER 16**

**CHECK-IN**

Nancy Rodriguez opened the meeting at 0815 with all OPT and SUPPORT members listed above (except for Nick Ugolini) in attendance. Ground rules were reviewed after sharing personal updates. The Open Action Items were reviewed and cleared. (See Handout #1).

**NEW MEMBERS INDUCTION**

The team inducted the new members, Bob Mack, Rick Allen, David Grabka and Alan Aikens, to the OPT process. Al is an ENTJ, and David is an INTP. Rick Allen needs to take the Myers-Briggs indicator test. The team charter was discussed, concerning the April 1998 revisions. The mission and vision statements were read for the new team members. The new team members expressed their expectations (honesty, professionalism, being brought up to speed) as well as their constraints (legislation, upper management, contractual issues, time) and contributions (technical and regulatory expertise, common sense, experience). Also, the team discussed the decision-making process in light of BRAC, CERCLA, and RCRA rules, as well as politics, for the benefit of the newer members.

**UST, IR, TRANSFER UPDATES**

1) UST's: See Handout #2 for details. DET Charleston funded for IRA soil and tank removals. Tank removals tentatively scheduled for mid-January 1999. Three week duration; need local schedule with NTC.

*ACTION ITEM*: FDEP to provide response to Bldg. 369 SAR requesting NFA.

*ACTION ITEM*: NTC to develop preliminary schedule for securing tanks. NTC to answer 8/10 letter concerning 129, 2273, 2426, 7171, and 7175 UST assessment schedules.

2) IR: See Handout #2 for details.

*ACTION ITEM*: FDEP and EPA to finish delivering comments on the Draft RI report for OU3.

*ACTION ITEM*: TTNUS/EPA to address water discharge from pump test with EPA NPDES section.

*ACTION ITEM*: TTNUS risk assessors to confer with FDEP(UF) concerning input parameters for OU2 FRA.

3) Transfer: GOAA is reviewing three different development options for the multi-modal area at McCoy. Any changes in development plans could change cleanup target levels, but these changes must be reviewed by the LRA and the Navy. 31 deeds are being prepared for the main base transfer. Study areas and tank sites are prepared as separate deeds. \$1.7 million is the cleanup cost for the golf course with the soil being used as fill at the McCoy Annex landfill area. October 6 is the target transfer date.

4) Tier II: MOU's for bases being developed within the Tier II structure and being published through professional publications. Tier II investigating roles and responsibilities of self-directed teams. The main base golf course has been an issue at the Tier II level as DoD reviews the cleanup issues at other bases. Additionally, Tier II has reviewed the previously submitted metrics. Tier I teams will continue to monitor their own metrics, even though updates to Tier II are not required at this time. Finally, the OPT is responsible to provide a representative to the Tier II meeting in Orlando on December 3rd.

## **TRAINING**

Bob Mack led a discussion on empowerment and its impact on team dynamics and productivity. (See Handout #3). Empowerment requires trust and technical competence. Empowered leaders provide training, resources, information, authority and clearly defined goals. Empowering leaders are responsible to know what is happening, set direction, make decisions others cannot, assess performance and remove barriers. Empowered employees feel responsible, valued, somewhat in control of the work processes, have a sense of place, and believe that their feedback and suggestions are encouraged. Making empowerment work requires direction, knowledge, resources and support, but it can be hampered by poor team participation, misalignment of team membership, inability to change, and lack of focus.

## **RAB PRESENTATION**

Mark Salvetti will give a short presentation on the laundry restoration at OU4. Additionally, the OPT will have details about the impacts of the developer's activities on the NTC Orlando environmental restoration program. Tetra Tech prepared a summary table of active study areas and tank sites with various prospective recommendations.

## **STUDY AREA/IRA REVIEW**

Rick Allen presented the latest developments for the following study areas:

Study Area 17: 3 soil samples exceed industrial standards for Benzo(a) pyrene. (See Handout #4). HLA recommends additional soil samples as indicated to further delineate the contamination and reduce the total amount of soil to be removed under the proposed IRA.

Study Area 18: One soil sample exceeds industrial standards for PAH's. HLA recommends limited soil removal as indicated on handout.

Study Area 23: Sample 23S005 at the end of the pool drain has elevated PAH's. HLA recommends blocking drain and a limited soil removal in the vicinity of 23S005.

Study Area 35: Excessive levels of TRPH's were found in the lift pits within the building and two smaller areas outside. HLA recommends limited excavations as indicated on the handout. Do we need confirmation samples for the excavation? Oil-soaked soils sometimes do not register a reading on the FID. According to the new guidance, excessively contaminated soil is no longer a relevant distinction. The FID can be used in conjunction with laboratory samples to calibrate to final cleanup. At least one sample per excavation will be taken. Does the concrete need to be segregated? Is there a central reservoir for the hydraulic systems, and if so, has it been drained?

Study Area 37: One sample with pesticides exceedances. HLA recommends a limited soil removal based upon Immuno-assay sampling. TCLP will be run to satisfy receiver's requirements.

Study Area 39/40: HLA recommends soil removals as indicated on the handout. Study Area 39 is 7,000 yards, and Study Area 40 is 1,000-6,000 yards based upon the results of suggested confirmatory sampling.

Study Area 8: HLA recommends that if soil removal is initiated by the Navy, then the indicated areas should be removed. HLA recommends that soil removal be treated as an IRA with public input. The disposition of the buildings is becoming an issue because they may impact the soil removal decision. Decon-ing and disposing of the buildings will be included in the scope of work. The OU3 RI/FS will not take into account the soil removal for Study Area 8.

Study Area 9: HLA recommends that if soil removal is initiated by the Navy, then the indicated areas should be removed. HLA recommends that soil removal be treated as an IRA with public input. The OU3 RI/FS will take into account the soil removal at Study Area 9.

## **OPERABLE UNIT 4 RI UPDATE**

Mark Salvetti reviewed the risk summary for the laundry area. (See Handout #5). Residential and worker risk above 1.0E-06 for surface soils. PAH's and arsenic are the risk drivers. No risk from subsurface soil. Trespasser, recreational, and residential risk for surface water is also above the 1.0E-06 standard. VOC's are the primary drivers for surface water. No risk from sediment. Risk from groundwater is from inhalation and ingestion under the residential scenario. VOC's and antimony are the risk drivers for groundwater.

The feasibility study considerations are: for surface soil; soil removal action, no further FS evaluation  
for groundwater; evaluate VOC and antimony technologies  
for surface water; no further FS evaluation; a groundwater issue

Preliminary outline of FS:

- No Action Scenario
- Limited Action - Institutional Controls
- Containment - Hydraulic Barrier, Slurry Wall, or Sheet Pile
- Treatment (In-situ) - Air Sparging
  - Chemical Oxidation
  - Recirc Wells
  - Reactive Wall
  - Surfactant Flushing
  - Steam Stripping
  - Natural Attenuation
  - Enhanced Anaerobic Biodegradation
  - Fixation (Antimony)

- Treatment (Ex-situ) - follow presumptive remedy guidance:
  - Air stripping
  - UV/Oxidation (For Antimony:)
  - Carbon - Chemical Precipitation
  - POTW - Ion Exchange
  - Bioreactor - Aeration

*ACTION ITEM:* HLA to write letter to FDEP concerning potassium permanganate pilot study.

**SEPTEMBER 17**

**OPERABLE UNIT 4 IRA UPDATE**

Sediment build-up is threatening long term performance of the UVB wells. When the pumps are on, contamination levels decrease, but sediment build-up in the lower screen requires significant maintenance. Bechtel is recommending adding a tank for equalization of flow to settle out sediment and precipitates. (See Handout #6). This equalization tank will be installed outside of the recirculation well containment. This arrangement would provide a more steady flow through the system, eliminating the surging caused by cycling injection pumps. In addition to the equalization tank, well modifications would be necessary. Two options for modifying the well will include: a bentonite well seal within the well casing between the screen sections, or a sediment accumulation chamber beneath the submersible extraction pump. The options could be exercised on one or both UVB treatment systems. Before modifying the wells, a three-day well development may be necessary to determine aquifer behavior and see if the period between maintenance cycles could be reduced.

*DECISION:* The equalization tank will be designed and installed for both treatment systems. Since FDEP (Greg Brown) has already reviewed the original design, a letter will be sufficient to update this modification.

*ACTION ITEM:* Bob Cohose will determine how SBP will address sediment removal process.

**MAIN BASE GOLF COURSE/ OU2**

The spoils from the main base golf course are suitable for landfill cap at McCoy Annex. 129,000 tons is the official quantity to be removed. Per previous discussions with FDEP, no RCRA-type cap will be required in addition to the soil from main base. The official extent of the landfilling debris needs to be further addressed in relation to the wetlands. The final product should include cover and some vegetation to prevent erosion. Additionally, the timber in the area must be recovered and the proceeds returned to the Navy's forestry program. Elevated gross alpha readings are being detected in some of the wells at OU2. The pump test remains to be completed, and the wetlands need to be delineated in the area before work begins.

*DECISION:* Two feet of native soil on the area indicated as landfilling, minus the wetlands, grade to drain, re-seed for erosion control.

*ACTION ITEM:* Wayne to determine local jurisdiction for wetlands delineation at the McCoy Annex landfill.

**STUDY AREAS 17 AND 55 UPDATE**

Study Area 55 is the PCB storage building 1104, at Area C. Wipe samples (PCB only) and soil samples were taken in and around the building in areas of probable storage and spills. One down gradient monitoring well was installed in the direction of Lake Druid. No groundwater concern from the monitoring data. Benzo(a)pyrene was detected in the surface soil from pavement runoff. SA 55 will be recommended for no further action.

Study Area 17 groundwater contamination is a concern. Chlorinated solvents were detected during screening activities. TCE and vinyl chloride are the drivers. Phase II collected groundwater samples from several push points and CPT data, defining the plume vertically and horizontally in the surficial aquifer. Phase III installed 21 wells to confirm limits identified in Phase II. Five drive points were installed in the canal. 4 out of 5 drive points have exceedences. One exceedence in the sediment (vinyl chloride). The clusters at the source areas all had exceedences. The eastern source area appears to be newer due to the contaminants measured and their relative concentrations. The VC shows that the western plume is breaking down. The shallow groundwater gradients are relatively flat in the area, flowing east and/or towards the drainage ditch, depending on distance from the canal. Deeper gradients flow south/southeast. Vertical gradients above the shallow clay flow downward outside of the canal influence. Deeper vertical gradients are uniformly downward. Is natural attenuation occurring, or have the contaminants not reached their maximum travel distance under dispersion?

*DECISION:* HLA will generate a site screening report recommending a feasibility study. The report will be used to integrate this remedy into similar groundwater solvent cleanups at other areas.

*ACTION ITEM:* HLA will have the draft report for SA 17 site screening by the October meeting.

## **METRICS, SUCCESS STORIES, TIER II DELIVERABLES**

### Success Stories:

The team reviewed the success story for the site assessment of the main base golf course. Minor grammatical errors were corrected, and content was clarified where necessary. The success stories for 7174 and the in-well technology were missing. The OU4 permanganate pilot study is a potential success story if it makes it through the FDEP Underground Injection section review. Other bases would be able to benefit from this pilot study. The innovative use of excavated soil from the main base for cover at the McCoy Annex landfill is another potential success story.

*DECISION:* Barbara will be the coordinator of the success stories and metrics. Editorial changes will be forwarded to her.

*ACTION ITEM:* Steve McCoy will update the main base golf course assessment success story as discussed during the meeting and forward the changes to Barbara.

### Metrics:

Most metrics are based on calendar year cycles. A semi-annual update is adequate for RAB and property transfer. IDW and document review will be updated as needed. Updates need to be available at the November meeting for the Orlando Tier II meeting on 3 December. Updated metrics for RAB attendance and IDW were provided.

## **DEVELOPER IMPACTS ON IR/UST PROGRAM**

Steve McCoy shared the main base map indicating potentially impacted IR and UST study areas. The team wrestled with the issue of responsibility for marking and protecting monitoring wells and exclusion areas within the areas to be conveyed. The summary table can be a quick reference table with the specific details included on the individual sheets. (Take away BRAC color code, location, and reason for investigation from the summary table). Rephrase action to state "Ensure contaminated soil is not disturbed". Rephrase Current Status comments from investigative comments to specific field data to include restrictions.

The site specific information for each restricted area will be provided to the developer before property transfer. The guidance will depend on whether or not the parcel is transferred. The format for the information needs to be flexible in case additional wells become necessary during further studies. For instance, for Study Areas 8, 9, 35, 36, 39/40, 37, 42, the direction should state "Monitoring wells are within Study Area \_\_\_\_: Do not enter these areas or disturb monitoring wells until property is transferred". For sites that are being transferred with monitoring wells in place, the specific number and location of such wells must be communicated.

## **CRITIQUE/AGENDA/CLOSE-OUT**

### POSITIVES (+)

- Mark Salvetti did a good job on the RAB presentation with minimal notice
- Managed time well
- Completed agenda
- Great timekeeper
- Good dinner
- John's engagement
- laptop scribe highly efficient (though distracting!)

### DELTAS (^)

- Some wandering occurred during discussions
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## **ACTION ITEM SUMMARY**

### **Sept. 98 Meeting**

*ACTION ITEM:* FDEP to provide response to Bldg. 369 SAR requesting NFA.

*ACTION ITEM:* NTC to develop preliminary schedule for securing tanks. NTC to answer 8/10 letter concerning 129, 2273, 2426, 7171, and 7175 UST assessment schedules.

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