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MINUTES FROM ORLANDO PARTNERING TEAM MEETING ON 22 JANUARY 2002 NTC  
ORLANDO FL  
1/22/2002  
NAVFAC SOUTHERN

## ORLANDO PARTNERING TEAM - MEETING MINUTES

Date: 22-23 January 2002  
 Location: Atlanta, Georgia  
 Team Leader: Greg Fraley  
 Gatekeeper/Timekeeper: Dave Grabka  
 Facilitator: Gus Campana  
 Recorder: Mark Salvetti

**OPT MEMBERS:**

Steve Tsangaris  
 Barbara Nwokike  
 Steve McCoy

**SUPPORT MEMBERS:**

Wayne Hansel, SDIV

**GUESTS:**

Mike Albert, Tetra Tech

### HANDOUTS DISCUSSED AT THE MEETING

1. Meeting Minutes 12/05 – 12/06, 2001
2. UST/IR Update and Status – January 2002 (Tetra Tech)
3. Action items

### ***22 January 2002***

#### **CHECK-IN**

Dave Grabka went home for Holidays. Car broke again this weekend. Watching football. Still no life. Wayne's back!! Last here in July; now UST PM. Been home to ND; daughter visited back from Ecuador. Planning trip down during next farmer strike or government overthrow in late February. Now has 5 bases in Florida. Nick U. now the haz waste database manager for SDIV. Mike A. has sold about 2 tons of dog food. Went to Memphis for Christmas. Has a new shop vac! Told us about trials and tribulations with kids' fort in back yard. Steve M. went back to Idaho in mid-Dec. Still working on mouldings. Now has a nail gun and compressor. More cool guy stuff. Room will be done next weekend. Gus Campana is temp facilitator. Please be fair, open, considerate, and honest. Mark S. stayed home for Christmas. Donated old truck to Kidney Foundation. Work very busy. Barbara stayed home for Christmas. Took family to Myrtle Beach for New Year's and the kids saw their first snow. Been very busy with work. Big 4-0 coming up in a couple of weeks. Headed for Vegas! Steve T. also stayed home for holidays (He thinks; can't remember.). Also too busy with work.

#### **ACTION ITEMS**

Went through action items (see revised list at end of minutes).

## **PERSONNEL CHANGES**

Wayne Hansel is now back with us as the UST PM for SDIV. Welcome back Wayne!

## **TRAINING**

Gus showed us the Abilene Paradox video and we all talked about some of our trips to Abilene. I think the consensus was this was a very enjoyable and useful training.

## **UST/IR Update (see Handout)**

### **Bldg. 200**

The sixth quarter MOP sampling was conducted on 10/26/01. The sixth quarter MOP report is in preparation.

### **Bldg. 2036**

Final SAR Addendum submitted to FDEP on 11/30/01. Not yet reviewed.

### **Bldgs. 2080, 2115**

Vertical extent well installed during week of 12/17/01. A SAR Addendum is in preparation.

### **Bldg. 2273**

New groundwater elevation maps are in preparation after resurveying. Steve M. will be speaking with Dave G. on what happens next, and a memo will be sent out to the OPT. Developer has abandoned all of the wells at this site. (Note: Dave Twedell of Nodarse indicated on 2/06/02 that the wells at 2273 still exist.)

### **McCoy Annex**

At the December 2001 OPT meeting in Orlando, Nick U. reported that the City apparently discovered some petroleum-contaminated soil when performing some drainage work. However, Wayne reported that according to Nick U., soil was later sampled and all concentrations were below action levels, despite a strong petroleum odor. So this is not a site and no further action is required.

### **Bldg. 7125**

County bug site. Dave G. looking for more assessment at this site.

### **Bldg. 7151**

The third quarter MOP sampling was conducted the week of 12/10/01. The third quarter MOP report is in preparation.

#### **Bldg. 7174**

Old gas station. Dave G. can't find post-active remedial monitoring plan. Steve T. stated that it was issued on CD. Just came out in the last couple of weeks. If this plan is OK, Dave G. will issue a monitoring approval order.

#### **Bldg. 7175**

Final SAR Addendum submitted to FDEP on 11/30/01. Now waiting for FDEP review.

#### **Bldg. 7241**

Final source removal report (SRR) submitted to FDEP on 6/29/01. Dave G. will look into the status of this one.

#### **SA16**

PAHs in sediment will be excavated for offsite disposal in February 2002.

#### **OU 1**

Next sampling scheduled for week of January 28. New contractor coming on board in March. Six of the monitoring wells have been destroyed by the Developer after being given permission. However, funding to resample these wells was delayed and the planned early resampling (December 2001) did not occur before the wells were destroyed. Remaining clusters are the perimeter ones that have been monitored. So this next monitoring round will be missing six wells (12 wells of the set still remain).

#### **OU 3**

Wells resurveyed and discrepancies were found. GW flow direction didn't change much, however. Additional slug tests had several orders of magnitude range. The deeper wells had high conductivities, which raised the concern of groundwater underflow with a funnel & gate system. So now recommending a permeable adsorptive barrier using sand and activated alumina. Intend to place an 18-inch thick wall about 25 feet deep. This configuration will also not require a downgradient pumping well.

**Action Item:** A revised work plan will be issued by **Steve M.** later this week, along with the one-page fact sheet requested by Barbara N.

#### **SA 36**

A tech memo discussing soil sampling results at SA36 was issued to the OPT on 01/17/02. A draft Decision Document will be issued in February 2002. Decision Document will recommend to continue using veggy oil to enhance NA, followed by monitoring. Next GW sampling event planned for March 2002, assuming developer will have wells reinstalled.

## SA 39

An additional 960 gallons of veggy oil were injected into site wells in November 2001. Report on the September 2001 sampling event submitted to OPT in January 2002. A draft Decision Document will be issued in February 2002.

## OU 4

Draft ROD issued in December 2001. DOD/EPA holding on approving RODs with LUCs. CH2M HILL mobilizing for site clearing on February 11.

ROD Review Schedule: Discussed establishing one, but realized that we need EPA and FDEP review comments.

**Action Item: Steve T.** to look at FDEP sign rule and determine if signs need to be updated at OU 4 and Herndon Annex. Use the phone number of SDIV's Public Affairs officer as the point of contact on the signs.

## SA 2

Treatability study will continue upon obligation of additional funding.

## OU 2

A Monitoring Program outline was presented at the October 2001 OPT meeting. Draft monitoring plan expected out in December 2001.

Dave G. also mentioned a well at the northern end of the site that was dropped from the HHRA because of high turbidity. Dave suggested that the well may be damaged and should be replaced. Steve M. noted that the monitoring plan includes means of addressing turbidity in groundwater at this end of the site.

**Action Item: Barbara N.** to contact GOAA and discuss plans for the drainage ditch that intercepts the GW plume coming off OU2. Dave G. concerned that we are relying on the ditch to intercept the plume, yet the ditch is not on Navy property and we have no control over it. For example, we believe GOAA is planning a large detention basin in the vicinity of the old ordnance bunkers. How will this affect GW flow? Also, need to make sure they are aware of the contamination migrating to their property (the ditch). Navy would be looking for an agreement with GOAA to ensure no changes to the drainage ditch in this portion of the site.

**Action Item: Dave G.** also will discuss these issues with FDEP staff to make sure they would be willing to accept a remedial alternative that relies on the GOAA ditch.

**Action Item:** Golf course appears to be doing work in the vicinity of areas shown as requiring additional soil cover on TtNUS Figure 5-1. **Barbara N.** will speak to the golf course to discuss allowable activities. In particular, work was being done around Area 2.

## **SA 17**

Workplan for next round of injections went out Dec 28. Installing additional injection wells on Feb 11. Expect to inject in March. Injecting for about a month. Probably will need to follow-up with more polishing at this location.

Steve M. will also be working to define the downgradient (northern) edge of the VOC plume. Should occur in Spring 2002 depending on funding.

## **SA 18**

Contaminated soil exceeding SCTLs will be excavated from the site in February 2002. This is also the site where iron concentrations in groundwater exceed GCTLs. However, Dave G. noted that wells upgradient of SA 18 also had high iron, so the iron in onsite groundwater is not a problem.

## **SA 54**

PAH-contaminated soil exceeding industrial/commercial SCTLs will be excavated from the site in February 2002.

## **23 January 2002**

### **Transition Update**

(This discussion bounced around to cover SA 39 & SA 40 GW data, and also need for decision documents for sites where IRA occurred and are now ready for clean closure.)

Dave G. reviewed FOST for SA 36, 39, 40 for areas without a GW plume. But we're missing soil data for soil work done at SA 36; we were going to hold off until the GW was done. Steve M. has just issued a tech memo on SA 36; we should have it now.

We then discussed how to get a FOSET for these sites. Navy's responsibility, but the developer has to work at it too. SA 39 report went out last week; SA 36 coming out soon.

Dave G: Normally, once EPA has determined that a remediation is Operating Properly and Successfully (OPS), a site is eligible for FOSET. But with the veggy oil, we aren't really going the OPS route. Haven't had the time to generate adequate GW data to demonstrate how well it's working.

Greg F: Proof of OPS varies from site to site. No fixed requirements. So it sounds like just increasing the NA parameters won't do it; there needs to be a downward trend in concentrations. EPA will also consider recommendations of the OPT and the State. If the team can make a good argument for OPS, that will also be considered.

Steve M. & Steve T. proceeded to show graphs of PCE concentrations over time at SA 39 and TCE at SA 36. PCE trends at SA 39 are not clear, although at SA 36 TCE seem to be trending downward.

Barbara would like to see a tech memo with the data we have so far and submit to EPA for OPS determination.

**Action Item: Steve M.** to prepare a tech memo for OPS determination for SA 36 and SA 39. **Barbara N.** will speak with Cliff Casey to get USGS imaging data of veggy oil distribution for the memo. **Steve M.** will also look for a sample OPS submittal that TtNUS has prepared for Cecil Field. This to be written before next OPT meeting.

### Department of Interior Deeds

We transferred two sites that needed restrictions, but the contamination there was OK for the intended reuse (i.e. parks). The properties were transferred to the Dept. of the Interior and this past fall the DOI signed the sites over to the City of Orlando. There were no institutional controls included in these deeds. It was decided to fix the deeds before recording them. City (Lisa Pearson) will revise and forward to the Navy for review. Dave G. wants to review the language.

OU 2 is going the same route (Navy to DOI to Orlando), and Dave G. wants to make sure the process is clear before we tackle that transfer, as there will be many LUCs on OU 2.

### Three Wetland Parcels at OU2

Steve M. will be working on FOST for EDC on these parcels.

**Action Item: Dave G.** and **Barbara N.** to pursue deed language from City of Orlando and the Navy.

### SA 18 & SA 40

These are going to be clean-closed. Do we need decision documents if the sites are now ready for transfer without restrictions?

**Action Item: Barbara N.** to determine if a decision document is needed for the clean portions of SA 16, SA 18, SA 39, and SA 40. Have we previously prepared decision documents for sites where we performed some kind of remediation (for example, an IRA for soil) and then transferred without restriction? Or do we just sign off on the site screening report?

### OU 4

Clearing beginning in February into early March. Planting probably beginning in 3<sup>rd</sup> week in March. KMnO<sub>4</sub> well installation in late March.

Barbara spoke to the Orlando Sentinel about OU 4 on Jan 18, 2002. It was agreed that a fact sheet should be prepared in response to the upcoming article.

**Action Item: Steve M.** to prepare a fact sheet for OU 4 to distribute to community.

**SA 40**

SA 40 is near the bottle landfill. In 1996, two wells were installed as part of site screening. Had 13 ppb antimony in well OLD-40-01. Well was turbid (96 NTU). Well OLD-40-02 antimony was ND, and turbidity was 40 NTU.

Steve M. preparing final site screening report. Do we agree the antimony in this well is OK?

Is there anything that might lead us to believe this is site related?

**Action Item: Steve M.** to send copies of the SA 40 report to Dave G. and Greg F. **Steve T.** to research the old meeting minutes to determine what decision was made on this site. These wells were sampled in April 1996.

**Admin Record**

Steve M. ready to update Admin Record. Will send out the document list; OPT to review and confirm that it includes documents released since January 2001.

**Document Log**

Steve M.: OPT used to maintain a document log of what documents are out for review. Would it be useful to prepare a new updated log? Dave G. has a log of documents submitted and review status.

**Action Item: Dave G.** to forward his log to Steve M. and Wayne H.

**Army Reserve**

Dave G. – How are we going to work with Army Reserve over the contamination we are leaving behind at SA 54? There is no deed; it has already been transferred. We need some kind of MOU between the Navy, the Army, and FDEP on how the LUCs will be maintained at the site.

**Action Item: Steve T.** and **Barbara N.** will work to prepare the contents of such a memo.

**CRITIQUE/CHECKOUT/AGENDA**

+'s	Δ's
Wayne's Back!	Loose agenda
Nice location & food	Day 2 Dragged out
Training	Sidebars on Day 2
OPS discussion for SA36/39	Disjointed/Distracting conversations
	No maps

***FUTURE MEETING SCHEDULE***

March 6, 7 – Orlando (RAB on March 6)

April 23, 24 – Charleston, SC (beginning at 1 PM, ending at noon on 4/24)

June 5,6 – Orlando (RAB on June 5)

July 16, 17 – Oak Ridge

September 4, 5 – Orlando (RAB on Sept 4)

**ACTION ITEM SUMMARY**  
**January 2002**

**ACTION ITEMS (PREVIOUS)**

1. Dave will talk with Greg Brown and discuss FS alternatives with FDEP management so we can get closer to a decision point on OU 2. Done. Greg B. has reviewed draft FS and concurs with range of alternatives. Draft FS approval letter schedule to be issued, indicating FS should go final. Dave has tentatively agreed to monitoring in the northern part of OU2, and possibly the southern part. But needs to review with management.

**Update: Dave still unable to get all management together to discuss monitoring only as an OU2 groundwater remedy. Basically the issue now is the PP, not the FS. Needs to get buy-in for the chosen alternatives. But the proposed alternatives in the FS are fine so it can go Final. However, we still need EPA approval of the FS.**

2. Barbara to check with EPA to see who will be reviewing the FS for OU 2. Greg Fraley has not had a chance to review and send to EPA attorneys. Greg will be reviewing the document for EPA.

**Update: Greg F. says EPA has to reassign Orlando to Gannett Fleming for review. Getting rid of Parallax contract. Greg will get the document to them later this week.**

3. Steve T. to get tree specifications and specifications for the drip irrigation system to Tetra Tech. Done. Will provide it today.

**Update: Steve T. still needs to send the irrigation design.**

4. **Steve T.** to consult with Orlando tree expert (Wiley) to determine how close to the trees we can remove soil. **Done. Everything within the excavation comes out, but that will also probably kill trees within 10 feet of the excavation. So those trees will be cut and the stumps will be left.**
5. **Dave G., Barbara, and Greg F.** will look into the early transfer process for SA36 and SA39. Final decision will be up to the State, working with EPA. This means transferring without an OPS. **John C.** will call the developer's environmental attorney (Tim Ramsey) to discuss the issue, and issue a letter to the Navy explaining why an early transfer is necessary. **Barbara says not doing an early transfer. Going to try for OPS and go the normal route. Early transfer has never been done in Orlando, and will take too long. Governor needs to sign off. City didn't want to pursue this either.**
6. **Steve M.** to look at historic GW data at SA36 & SA39 for the next OPT meeting. We need to decide if there is a chance that the veggy oil won't work, and the developer may need to realize that these sites may face other more intrusive remediation in the future. **Steve M. has done this. Included in Steve T's reports. NA parameters look good, but no decisive downward trend in concentrations.**
7. **John C.** will come to the next RAB meeting to discuss the restoration plans and schedule for the lakes. **Barbara reminded him last week.**

8. **Steve M.** to send out color concentration maps for OU4. **Mark S.** to get Mike A. info on polymers that might be used to remove MnO<sub>2</sub> solids. **Steve M.** to issue proposed well locations memo. **All done. No change after conversations with Tom Palaia last week.**
9. **Steve M.** to look for turbidity data for other GW samples at SA40 to see if the above exceedance was an anomaly. **Mark S.** offered to review field logbooks for information if Steve M. is unable to find additional data. **Done.**

#### **ACTION ITEMS (STATUS AND NEW)**

1. **Dave G.** to present the OU2 Proposed Plan (monitoring only) to his management.
2. **Greg F.** to forward OU2 Feasibility Study to subcontractor (Gannett Fleming) for review.
3. **Steve T.** to send Steve M. irrigation design for OU4.
4. **Barbara** requested a large figure (suitable for RAB and OPT meetings) showing location of all UST locations. **Nick U.** agreed. **Steve M. will have this done for the next RAB for Barbara and Wayne.**
5. **Steve M.** to issue a revised OU3 work plan, along with the one-page fact sheet requested by Barbara N.
6. **Steve T.** to look at FDEP sign rule and determine if signs need to be updated at OU4 and Herndon Annex. Use the phone number of SDIV's Public Affairs officer as the point of contact on the signs.
7. **Barbara N.** to contact GOAA and discuss plans for the drainage ditch that intercepts the GW plume coming off OU2. Dave G. concerned that we are relying on the ditch to intercept the plume, yet the ditch is not on Navy property and we have no control over it. For example, we believe GOAA is planning a large detention basin in the vicinity of the old ordnance bunkers. How will this affect GW flow? Also, need to make sure they are aware of the contamination migrating to their property (the ditch). Navy would be looking for an agreement with GOAA to ensure no changes to the drainage ditch in this portion of the site.
8. **Dave G.** also will discuss these issues with FDEP staff to make sure they would be willing to accept a remedial alternative that relies on the GOAA ditch.
9. Golf course appears to be doing work in the vicinity of areas shown as requiring additional soil cover on TtNUS Figure 5-1. **Barbara N.** will speak to the golf course to discuss allowable activities. In particular, work was being done around Area 2.
10. **Steve M.** to prepare a tech memo for OPS determination for SA36 and SA39. **Barbara N.** will speak with Cliff Casey to get USGS imaging data of veggy oil distribution for the memo. **Steve M.** will also look for a sample OPS submittal that TtNUS has prepared for Cecil Field. This tech memo to be written before next OPT meeting.

11. **Dave G.** and **Barbara N.** to pursue deed language from City of Orlando and the Navy to add LUCs to the deeds for park properties originally transferred to the Dept. of the Interior. This past fall the DOI signed the sites over to the City of Orlando without LUCs.
12. **Barbara N.** to determine if a decision document is needed for the clean portions of SA16, SA18, SA39, and SA40. Have we previously prepared decision documents for sites where we performed some kind of remediation (for example, an IRA for soil) and then transferred without restriction? Or do we just sign off on the site screening report?
13. **SA40 antimony in groundwater: Steve M.** to send copies of the SA40 report to Dave G. and Greg F. **Steve T.** to research the old meeting minutes to determine what decision was made on this site regarding the antimony in groundwater. The wells with the elevated antimony were sampled in April 1996.
14. **Action Item: Dave G.** to forward his Orlando document log to Steve M. and Wayne H.
15. **Action Item: Steve T.** and **Barbara N.** will work to prepare the contents of an MOU between the Navy, Army, and FDEP describing how LUCs will be maintained at SA54. memo.
16. Need response from FDEP for treatability study (sparge system) at Bldg 2080. Nick U. will check with Paul and reissue treatability study as necessary. SAR had been put together, reviewed and comments provided, SAR addendum for Bldg 2080 will be necessary. Action Item: Tetra Tech to submit SAR Addendum. SAR Addendum submitted, but haven't heard back from FDEP. Still open awaiting resolution related to new monitoring well.

**Update: Dave G. can't find evidence of a treatability study being submitted. Vertical extent well installed. SAR Addendum still being prepared.**

## ORLANDO PARTNERING TEAM

### AGENDA

6-7 March 2002 Orlando, FL

Team Assignments		Support	Expected guests
Team Leader:	Dave Grabka	Wayne Hansel (tentative)	Jennifer Ottoson (CH2M HILL)
Gate/Timekeeper:	Steve McCoy	Flip Altman, Tier II	Mike Albert (Tetra Tech NUS)
Recorder:	Mark Salvetti		Dave Twedell, Nodarse & Assoc.
Facilitator:	Stephanie Fraser-Beekman		
Tier II Link:	Flip Altman		

Time	Subject	Objective	Lead
<b>Tuesday – 6 March 2002</b>			
1:00PM	Check-In, Action Item Review	Administration	GF
1:45	Training UST/IR/Transfer Update	Information transfer	SM/BN
2:30	<b>BREAK</b>	Leg stretch	
2:45	Petroleum discussion	Information/Discussion	WH
3:15	OU 4 Update & Field Trip	Information transfer/discussion	All
4:00	RAB Presentation	Information transfer	Team
5:00	End of day		

Time	Subject	Objective	Lead
<b>Wednesday – 7 March 2002</b>			
8:00	Training	Get smart!	DRSFB
9:00	Developer – Baldwin Park	Information transfer	Dave Twedell
9:30	OPS determinations	Information transfer	BN/GF
10:30	<b>BREAK</b>	Recharge batteries	
10:45	OU2, OU 3, OU 4 update	Information transfer	SM/ST
11:45	SA 17/36/39	Information transfer/discussion	SM/ST
12:15	Checkout/ next month's agenda/ (+/-)		ALL
1:00PM	End of Day		

In accordance with discussions during Training in September, here are the ground rules (Code of Conduct and Process) to review prior to the next meeting. Are changes needed to bring the Team up to date??

## GROUND RULES

### Code of Conduct

- Allow speakers to complete their thought.
- Be forthright (no hidden agendas)
- Be on time (10 cents per minute to be given to person who purchased refreshments).
- Invoke the 100 mile rule (avoid distractions; i.e., conducting non-OPT business).
- Be open and honest.
- Be professional.
- Bring Teammates up to speed.
- Use I statements.
- Be courteous to the speaker; no side conversations.
- Leave your ego and "business coats" at the door.
- Stay for the hard parts.
- Fix the problem, not the blame.

### Process

- Team leader, Timekeeper and recorder rotate alphabetically progressing in this order: timekeeper, recorder, team leader, participant.
- Check-in: personal up-dates; read ground rules; review agenda, ground rules, action items and +/-.
- Proxy: Absent members have the discretion of designating a proxy to represent his/her views at the meeting. The OPT will not deliberately make a decision contrary to an absent member's known views or interests.
- Guests: All guests must be invited by the OPT. The sponsor is responsible to brief guest(s) on the OPT meeting process.
- The Team Leader to confirm that the sponsor has briefed guest(s) on the ground rules. If not, then provide guest(s) with overview of ground rules.
- The OPT and guest(s) shall recite the Ground Rules immediately after the Team Leader calls the meeting to order.
- Close-out: Draft agenda for next meeting; critique meeting; review action items.
- Distribute draft of minutes and Agenda within 7 working days of concluding the meeting. A master copy of the minutes will be maintained and rotated with the recorder.
- Comments or acknowledgment of receipt due back to scribe 7 days after receipt of draft.
- Final minutes and agenda distributed 7 working days before next meeting.
- An action item list with due dates will be maintained and updated monthly.