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MINUTES FROM ORLANDO PARTNERING TEAM MEETING ON 21 JANUARY 1998 NTC
ORLANDO FL
1/21/1998
NAVFAC SOUTHERN

ORLANDO PARTNERING TEAM MEETING MINUTES

Date: January 21-22, 1998
 Location: NTC-Orlando
 Team Leader: John Kaiser
 Scribe: Steve McCoy
 Gatekeeper/Timekeeper: John Mitchell

ATTENDEES

OPT Members

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

Support Members

Barbara Nwokike
 Nick Ugolini
 Ann Marie Lyddy

Guests

Rick Allen, ABB-ES
 Manuel Alonso, ABB-ES
 Mirna Barq, ABB-ES
 Kathleen Bauman, ABB-ES
 Bob Burns, ABB-ES
 Harlan Faircloth, ABB-ES
 Shannon Gleason, ABB-ES
 Bill Olson, ABB-ES
 Mark Salvetti, ABB-ES
 Mike Campbell, B&RE
 Ted Simon, EPA Region IV
 David Grabka, FDEP
 Christine Halmes, Univ. of Florida
 Steve Roberts, Univ. of Florida
 Lisa Tonner-Navarro, Univ. of FL

ATTACHMENTS DISCUSSED AT THE MEETING

1. UST/IR Update and Status (J. Kaiser)
2. Installation Restoration Program Non-UST/AST Investigation Synopsis (W. Hansel)
3. Groups IV and V Report Status (J. Kaiser)
4. Letter from J. Kaiser to W. Hansel on "Site Screening; Decision Document Requirements", 1/14/98
5. SA 8 Analytical Data
6. OU 4 Recirculation Wells (R. Cohose)
7. Probabilistic Methods in Risk Assessment (Ted W. Simon)
8. Summary of Parameters Used for Probability Density Functions - SA 39 (Kathleen Bauman)
9. Draft Memo from Jon Johnston, Chief EPA Reg. IV Federal Facilities Branch, on "The Use of Land Use Restrictions at Federal Facilities"
10. "A Guide to Establishing Institutional Controls at Closing Military Installations", DOD
11. Bldg 7174 UST handout (M. Barq)
12. Area C Investigation (example success story write-up)
13. Materials for the OPT Presentation to the City (W. Hansel)

January 21, 1998

CHECK-IN

The Mission, Vision and General Rules were read. John M. introduced David Grabka, who will be assisting John in reviewing the OPT work products at FDEP.

UST/IR UPDATE

John K. presented the UST/IR Update (refer to the handout):

- Bldg 7174: 1,400 yd³ were removed by PWC-Pensacola and incinerated. The TCAR is waiting for the incineration documentation.
- Bldg 7241: Free product to be removed by a vac truck. The FDEP regs specify that the water removed should be <25%.

Action Item: Lt. Whipple will verify that the contractor is aware of the FDEP requirements. Due 1/28/98

- OU 4 RI/FS: 6 lake samples will be taken; 2 samples have undergone full suite analyses.
- There are a total of 53 study areas, but only 52 are listed on the handout. J. Kaiser will identify the missing SA.

TRANSFER UPDATE

Wayne presented the Transfer Status and Update (refer to the Synopsis):

- Funding for the first phase of the phyto study (~\$200k) has been approved.
- City of Orlando approval of the developer deal is scheduled to be completed by May '98. It's important to close out as many SA's as possible on the Main Base and the McCoy Annex townhouses by the March OPT meeting.
- The City has issued a letter to SOUTHDIV requesting information on the presence of asbestos-coated electrical piping and PCB-containing transformers. The PWO is assembling a database to accumulate the information.

TIER II UPDATE

John M informed the team that Eric Nuzie could not attend the meeting due to a conflicting meeting with Tier II. Training for teams to become self-directed has been delayed by contractual issues.

SA DATA REVIEW

John K lead the SA review.

SA 37: Bill Olson reported that this SA had the highest exceedances of any SA. A surface soil sample has a high pesticide concentration (88,000 µg/kg chlordane). Subsurface soil samples have much lower conc's, and the leachability std for chlordane is not exceeded.

Action Item: ABB to prepare a letter-format work plan for the follow-on screening work. Due 2/18/98

SA's 33 and 42: Draft summary reports were issued in January. David G. recommended surface soil contamination be delineated where PAH hits are located. Localized contamination areas should be dug up to avoid deed restrictions. FDEP has no policy regarding Probabilistic Risk Assessment.

Action Item: The PWO will dig up areas in SA 33, where coal and asphalt chunks are identified, prior to resampling to reduce PAH hits. Due 2/6/98

SA 2 (Herndon Annex): Rick Allen reported that the downgradient well cluster is clean. A data report, which will address natural attenuation is in preparation. Wayne reported that his door-to-door survey identified three residential yard wells along Nancy Lee and two AC wells not currently in use. Samples from yard wells are not considered definitive as contamination could be caused by the pump seals.

Action Item: Wayne to contact the County to check whether or not they will sample the yard wells. Due 1/30/98

In response to a question, Nancy pointed out that SA 2 cannot be transferred to the UST program unless the contamination is linked specifically to a petroleum storage source. Transfer of the contaminated property to the City would require a letter from the governor. GOAA is initiating an environmental study with its consultant to determine whether or not to accept the contaminated property (the City would own the GOAA property but GOAA is responsible for its management). Wayne has provided OPT data to GOAA for its investigation.

SA 52: Rick Allen presented the results of the site screening to the OPT. The pesticides eldrin/dieldrin were found in groundwater above the industrial standards, and the source has been removed. John M recommended that groundwater be monitored for two more quarters (sample in April and July in addition to January) to establish a trend. The disposition of the SA will be revisited in July.

PRESENTATION FOR DEVELOPERS

Wayne provided red-lined overheads from a previous presentation to present to the developers on the afternoon of 1/22/98. Wayne, John M, and Nancy were going to participate in the presentation.

OU 2 UPDATE

M. Campbell summarized the results of the Phase I fieldwork presented in the Tech Memo. The fieldwork included geophysics to delineate the landfill boundary and determine the cover thickness; surface soil, surface water, and sediment samples; soil organic vapor survey; direct push groundwater sampling; and cone penetrometer testing. The next phase of fieldwork will be the installation of piezometers to establish the direction of groundwater flow, additional magnetometer studies along the western boundary, and additional DPT pushes to determine the extent of contamination. For a FOSL for the golf course, a preliminary risk assessment is needed.

Action Item: Steve to check with risk assessors about a preliminary RA for the golf course to justify a possible FOSL. Due 2/18/98

Over the next 6 weeks, subcontracts for drilling and DPT services will be established, the Work Plan will be reviewed/revise, and the final Tech Memo will be issued after receipt of comments from the OPT.

OU 3 PRESENTATION

Shannon presented the data for OU 3 (refer to handouts).

SA 8: The surface soils had concentrations (unvalidated) of arsenic and pesticides above the residential cleanup goals. Groundwater detections from monitoring wells, micro wells, and wellpoints showed arsenic as the primary contaminant. Arsenic speciation to determine the arsenic mobility will be performed. Additional soil borings will be installed on the western side of the site to define the extent of soil contamination, and three new MW's (two upgradient; one downgradient) will be installed to monitor groundwater concentrations.

SA 9: Arsenic and pesticides are the C of Cs above FDEP SCGs in the surface soils. Additional soil borings will be installed in the ditch north of the site and additional surface soil samples will be obtained in the wetlands between the ditch and Lake Baldwin. In groundwater, arsenic and MCPA (an herbicide) exceeded FDEP cleanup goals. Two additional micro wells (including one deep well installed to 30 ft) will be installed along the southern side of the road.

OU 4 UPDATE

IRA: Bob C updated the team on the IRA status. The recirc wells are pumping at 10 gpm (UVB 1) and 3.5 gpm (UVB 2). Bob C indicated that the sump pumps were adjusted at UVB 2 to a lower gpm than UVB 1 because the aquifer was unable to sustain the return flow without causing cascading in the UVB 2 stripper unit. Water was also noticed coming to the surface at UVB 2. This water may have been generated by increased stormwater runoff during a very substantial rainfall event; surface flow may need to be redirected.

Action Item: John M to check whether or not a permit is required if surface water flow measures are installed. Due 2/18/98

There was a question from Harlan Faircloth as to which pumps had been changed in which UVB well. (Bob provided the following clarification in comments to the draft minutes: The sump

pumps in UVB 2 had been changed along with some down-hole piping.) All system modifications were complete by 1/13/98. The final system optimization may continue into February. Stripping efficiency had been measured at 90-97%. Performance monitoring will begin the week of January 26th and will consist of monitoring well sampling, influent and effluent sampling of both recirculation wells, and air emissions sampling.

RI: Mark Salvetti provided an update for the RI. The 33 MWs will be sampled, 10 for a full suite of analyses and 23 for inorganics and VOCs. Three sediment samples were obtained, two for full-suite analyses and one obtained north of the as a "control". Previous Lake Susannah sample data will be used to provide background concentrations (comparative data from a similar lake).

January 22, 1998

PROBABILISTIC RISK ASSESSMENT

Ted Simon, EPA Region IV, gave a presentation on Probabilistic Methods in Risk Assessment (refer to the handout). He pointed out that PRA had only recently become feasible with easily available, more powerful computers, but that a couple of the barriers to the use of PRA are that (1) PRA is resource (labor) intensive and (2) PRAs can be easily manipulated. (Note: John M had indicated earlier that FDEP does not presently accept the use of PRA). Ted also provided a flyer for the workshop on PRA to held in Sarasota, FL on March 29-31. Attending the meeting during Ted's presentation were Steve Roberts, Lisa Tonner-Navarro, and Christine Halmes, all from the University of Florida.

SA 39 PRA

Following Ted Simon's presentation, Kathleen Bauman presented the results of a "preliminary" focused PRA for SA 39 at NTC-Orlando (refer to Summary of Parameters Used for Probability Density Functions, SA 39). The study provided the following results:

% of Residents with Cancer Risk $\leq 1 \times 10^{-6}$

Receptor	Soil	Groundwater Ingestion	Groundwater Inhalation
Adult	85%	85%	75%
Child	45%	90%	

Kathleen will be refining the contaminant concentration algorithm for input into the PRA for this SA.

INSTITUTIONAL CONTROLS

Nancy provided a copy of draft EPA guidance and Wayne provided a copy of the Final Coordination Draft DOD guidance on IC (refer to handouts). The OPT discussed at some length who was responsible for implementing and monitoring deed restrictions without coming to any conclusions.

STUDY AREA ROD DISCUSSION

A letter dated 1/14/98 from John K to Wayne on the subject of "Site Screening: Decision Document Requirements" was reviewed by the team as the basis for discussion. It was decided that the OPT will issue a Fact Sheet for sites where institutional controls (ICs) or deed restrictions are recommended, or where an IRA has been performed. The Fact Sheet should describe the intent of the restrictions and contain the following: the site history; a description of the work performed; activities planned for the future; and the means of implementing ICs. A Fact Sheet will be issued as follows:

- The Fact Sheet will be issued to the community (RAB and the RABs general community mailing list).
- A notice will be placed in the newspaper regarding the availability of the Fact Sheet in the RAB library.
- Note in the Fact Sheet that community members can request a public hearing.
- After a 30-day comment period, a Decision Document will be generated to address the public comments. The DDs will be signed off by FDEP, EPA, and the Navy.

The following compares the above process will analogous CERCLA steps:

CERCLA	OPT
Proposed Plan (draft/final)	Fact Sheet (draft/final)
Comment Period	Comment Period
ROD (draft/final)	Decision Document (draft/final)
Concurrence (signoff)	Concurrence (signoff)

RAB MEMBERSHIP

Gary indicated that two additional citizens not selected for the RAB had submitted applications to join late last year, and questioned whether the RAB should be limited to the present 15 members. It was decided to leave the RAB membership at 15 as stated in the Charter.

BLDG 7174 SCREENING RESULTS

Mirna Barq presented the soil analytical results for this former UST site. BTEX exceeds the industrial screening standards. The wells were being sampled the week of the meeting with analytical results expected back in 2 weeks.

BLDG 2273 MONITORING WELLS

Manuel Alonso presented the status of work at 2773. The tank contractor destroyed 7 MWs which should have been preserved. Wells MW-1 and DW-1 were only damaged and can be fixed. The utility micro tunnel should be installed prior to installing any new or replacement wells. It was agreed that the contractor should reimburse the Navy for the damage.

Action Item: Gary to issue a formal letter regarding the contractor's for the damage. Due 2/6/98

METRICS

The metrics selected by the team are (1) IDW Storage time (JK), (2) IR document progress/time, (3) acres of land transfer (WH), and (4) RAB attendance (GW). The 1997 baseline for metric #2 will be determined by counting up the documents and multiplying by the savings calculated in the December '97 meeting.

Action Item: Bob to provide information on waste disposal to John K to update the metric. Steve to provide the metric electronic format to John.

Action Item: John K to accumulate information for metric #2. Bob and Steve to provide to John a list of documents and submittal dates for Bechtel and Brown & Root in time for John to meet the due date. Due 2/18/98

SUCCESS STORIES

The OPT must prepare success stories for submittal to Tier II. The following action items were assigned:

Action Item: Bob to prepare an OU 4 success story using the Tier II format. Due 2/18/98

Action Item: Steve to provide a success story for OU 2. Due 2/18/98

Action Item: John K to provide a success story on the use of microwells. Due 2/18/98

Action Item: Wayne and Nick to prepare a success story for Bldg 7174. Due 2/18/98

Action Item: Barbara to prepare a success story for SA 52, addressing (1) successfully moving directly from site screening to the decision document (avoided the expense of an RI), and (2) the use of immunoassay test kits. Due 3/18/98

SA 30 SOIL ISSUE

The soil resulting from installation of the 36" microtunnel will be piled up on plastic and subsequently disposed of.

STUDY AREA FINAL SIGNATURES

John K provided final site screening reports for SAs 28 and 29, which were signed off by Wayne, John M, and Nancy.

CLOSE-OUT AND CRITIQUE

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Finished on time	Times on agenda
Great lobster meal!	Guests not listed
PAH Study Area resolution	Side bars
Mike Campbell's presentations	
Made it through a packed agenda	
Ted Simon's PRA presentation	Lack of introduction
Meeting room and setups	

OPT MEETING AGENDA
February 18-19, 1998 - Charleston, SC

Team Leader: Steve McCoy
 Recorder: John Mitchell
 Timekeeper: Nancy Rodriguez

February 18, 1998

08:00 - 08:30	CHECK-IN	Steve
08:30 - 09:30	UPDATES	
	• IR/UST	John K
	• Transfer	Wayne
	• Tier II link	Eric
09:30 - 09:45	OU 1 MONITORING PROGRAM	Detachment
09:45 - 10:00	<i>break</i>	
10:00 - 11:15	OU 2 DISCUSSION	
	• Preliminary Risk Assessment	Steve
	• Tech Memo Comments	Steve/Mike C.
11:15 - 11:45	BLDG 2273	John K.
11:45 - 01:15	<i>lunch</i>	
01:15 - 03:15	SA's 2, 3, and 29 DECISION DOCUMENTS	John K.
03:15 - 03:30	<i>break</i>	
03:30 - 04:30	SA's 30, 32, and 34	John K.
04:30 - 05:00	BLDG 7174 GROUNDWATER DATA	John K.

February 19, 1998

08:30 - 09:00	OU 4 - ASSESSMENT OF IN-WELL STRIPPING	Bob/Keith H.
09:00 - 10:00	SA 39 PROBABILISTIC RISK ASSESSMENT	John K.
10:00 - 10:15	<i>break</i>	
10:15 - 10:30	METRICS	All
10:30 - 12:00	TIER II DELIVERABLES (charter, success stories, metrics)	All
12:00 - 01:30	<i>lunch</i>	
01:30 - 03:30	BUSINESS PLAN	Wayne
03:30 - 03:45	<i>break</i>	
03:45 - 04:45	TANK MANAGEMENT PLAN	John K.
04:45 - 05:15	CLOSE OUT AND CRITIQUE	All

Expected Support Members/Guests:

Barbara Nwokike	Rick Allen, ABB-ES
Eric Nuzie	Keith Halford, USGS
Nick Ugolini	Detachment Representatives
Mike Campbell, B&RE	