

FAX: MISCELLANEOUS

Kim, Here are:

- 1) a copy of the SAP additions/modifications memo that I promised you (Let me know if you need this as a formal transmittal).
- 2) a DRAFT of the notes for our telecon.
- 3) the last 2 sets of our minutes (Let me know if you want older ones as well).

Please review the telecon notes, and provide any comments/feedback. I'll plan on sending these out 'officially' early next week. If you have any questions, please give me a call.
 Thanks in advance. Don

HSDA LANL 3/10/97 16-023(1) +
 16-021(c)

Post-it® Fax Note	7671	Date	9/11	# of pages	13
To	Kim Hill	From	D. Hickmott		
Co./Dept.	HRMB/EPA	Co.	LANL		
Phone #		Phone #	665-1116		
Fax #	827-1544	Fax #	665-4632		

TU



Los Alamos

NATIONAL LABORATORY

memorandum

*Chemical Science and Technology
Responsible Chemistry for America*
Environmental Restoration Project/CST-7
Los Alamos, New Mexico 87545

To/MS: Peter Gram, ICF Kaiser, MS 892
From/MS: Donald Hickmott, EES-1, MS E525
Phone/FAX: 5-1116/5-4632
Symbol: ER-DH-97-25
Date: September 9, 1997

ADDITIONS & MODIFICATIONS TO SAP FOR TA-16-260 HYDROGEOLOGIC HOLES

Based on the discussions at the readiness review for the TA-16-260 hydrogeologic drilling, I believe that we should take the following additional samples:

- An additional D-Tech RDX screening sample in each 5 ft core interval in the 200 ft hydrogeologic holes. These should be biased to any obvious potential transport pathways such as fractured areas, surge beds, etc.
- Additional lab samples in the 200 ft hydrogeologic holes. Any positive D-Tech intervals should be sampled. As a default take a maximum of 3 per borehole - if more than 3 positives occur, consult the decision team. If no positive intervals are found, take lab samples in surge beds and fractured intervals (maximum of 3). All lab samples will be for HE, TAL metals, SVOCs, and VOCs.
- An additional D-Tech RDX screening sample in each 2 ft interval in the alluvial holes. These should be biased to any obvious possible flow paths (e.g. units above aquitards etc.).
- Additional lab samples in the alluvial holes. Any positive D-Tech intervals should be sampled. As a default take a maximum of 3 per borehole - if more than 3 positives occur, consult the decision team. If no positive intervals or geologic features that would otherwise suggest a biased lab sample location are found, take lab samples (1) at the soil-tuff interface; (2) at a depth of 5 ft, and (3) at total depth (in tuff). All lab samples will be for HE, TAL metals, SVOCs, and VOCs.

As was noted during the readiness review, the following deviations from the sampling and analysis plan will be implemented, based on known logistical difficulties with drilling at TA-16.

- Deep boreholes (200 ft) will be cased as they are drilled. Experience drilling in the TA-16-260 outfall areas suggests the boreholes will collapse in surge beds and poorly-welded tuff units if boreholes are drilled uncased, as specified in the SAP. Because, the boreholes will be cased, televue logs cannot be completed. In lieu of televue logs, full core recovery will be completed (as core recovery allows) on all boreholes, and geologic logs will be completed of the cores.

Distribution:

Lynn Kidman, ICF Kaiser, MS 892
Roy Michelotti, CST-7, MS E525
Steve Yanicak, NMED-AIP, MS J993
QA File

DRAFT**ER PROJECT
TELECONFERENCE NOTES**

TO: Kim Hill **FROM:** Donald Hickmott **DATE:** 9/9/97
ORGANIZATON: EPA **ORGANIZATION:** EES-1/FU3 **TIME:** 11:00

OTHER PARTIES NONE

DISCUSSION:

1) Kim provided her fax number.

2) Don requested that the bioremediation presentation on September 25 be scheduled for 45 minutes. It was agreed that the time for the presentation would be 2:30 P.M.

3) Don reported that bromide tracer had been observed in SWSC Line spring during early August. He noted that several days worth of samples of that spring had been missed following the bromide breakthrough due to an autosampler malfunction.

4) Don noted that the hydrogeologic drilling outlined in the PRS 16-021(c) phase II SAP was going to start within the next 2 weeks. Both alluvial boreholes and deep hydrogeologic boreholes are scheduled. He noted that additional samples would be taken beyond what is outlined in the SAP, and that drilling would have to be completed cased, rather than uncased. Kim requested that this information be provided as a faxed memo.

5) Specific comments in the PRS 16-021(c) RFI Report SI request were discussed:

- Don inquired about RPMP's request for updates and addendums of PRS 16-021(c) results. Kim indicated that the current interaction (presentations and meeting minutes) was a good start. Don agreed that this would continue and that additional hard-copy information would also be provided.

(Continued on page 2)

ACTION ITEMS:

1. Don will fax the last 2 months worth of FU 3 minutes and the memo describing additions and modifications to the TA-16-260 field campaign to Kim.
2. LANL will respond to the questions that were discussed in a manner consistent with the discussions.

DISTRIBUTION:

T. Glaztmaier, DDEES/ER, MS M992
D Hickmott
B. Koch, LAAO, MS A316
R. Michelotti
J. Mose, LAAO, MS A316
D. McInroy, EM/ER, MS M992
P. Shanley, ESH-19, MS K498
QA File

9/10/97

Discussion (Continued)

- DRAFT**
- Comment 5.b was discussed. Kim indicated that HRMB wanted analytical methods, detection limits, etc. for all analytes, not just TATB. LANL will provide this in the response.
 - Comment 10(a) was discussed. Don noted how LANL archives QA/QC data in FIMAD (based on Kathy Campbell's notes). Kim indicated that an acceptable response would: 1) reiterate what LANL does; 2) describe why we do it this way (cite SOPs and procedures if possible) and 3) indicate where this process is going (i.e. to DEEMS).
 - Comment 10(b) was discussed. Don noted the rate at which FU 3 had collected field duplicates during the sampling at PRS 16-021(c). There was a discussion of the LANL philosophy for collecting field duplicates. Don noted that FU 3 typically collects field duplicates at a rate significantly less than 10%. It was noted that this was a programmatic issue. Kim indicated that an acceptable response to this comment would 1) describe what we did for field duplicates; and 2) indicate why we collected the number of field duplicates that we did.
 - Comment 12 was discussed. Don suggested that the information requested was extractable from existing figures (e.g. Figure 5.2.4.1). Kim indicated that a new figure did not have to be generated. Kim requested that section 5.0 cite Appendix A as the location of all of the analytical data. LANL will do this in the response.
 - Comment 18 was discussed. Don inquired about the request for an errata sheet. Kim indicated that the normal NOD response format would be adequate.
 - Comment 21.a. was discussed. Don noted that the request (include all constituents with normalized concentration greater than 0.1 in a risk assessment) was contrary to project-wide guidance on MCEs. This was identified as a programmatic issue. Don agreed that the response would: 1) note that this method of performing MCEs was contrary to programmatic guidance; but 2) FU 3 would do this for the purposes of this response. It was noted that this discussion applied to several comments in this SI request.
 - Comment 28 was discussed. Don noted that this request was inconsistent with the current RFI report guidance. He provided a rationale for why the table is set up the way it is — in many cases individual request numbers will include PRSs which are not included in the report. Kim indicated that HRMB would like to receive the table. LANL will provide it in the response.
 - Comment 29 was discussed. Kim noted that this comment requested a cation sum/anion sum comparison. Don noted that this information was available in Table C-8. Kim agreed that the response should cite that table.
 - Comment 31.a. was discussed. Kim noted that the comment should address paragraph 4 on page C-6. Don noted that the response would be couched in terms of drinking water standards rather than SALs, and that note of this would be made in the introduction to the response.

It was noted that several of the discussed SI request comments (and some that had not been discussed) had project-wide implications. Don stated that FU 3 would identify in the SI request response those comments that FU 3 felt had project-wide implications, in order to help focus upcoming discussion between LANL and HRMB.

Field Unit #3 (TA-16, 33, 46) Team Meeting Agenda 9/2/97 - Tuesday

This is the agenda for the Field Unit 3 Meeting that is scheduled for 9/2/97 in the TA-35-268 conference room at 2:00. Please try to come to the meeting if you are involved with any of the items on the agenda. If you have any changes or additions please contact Don .

- 1) Project-wide issues (Roy)
 - Field team priorities & 2 week look-ahead (Lynn/Linda)
 - Documents update (Roy)
 - NFAs and report tracking (Don)
 - AP 4.5 (Kristi)
 - Field database uploads to FIMAD and table generation (Margo/Kathy/Martha/Suc)

- 2) TA-16 issues
 - NFA PRSs (Linda)
 - 260 status (Lynn/Peter)
 - Hydrogeology planning (Lynn)
 - 16-009 release status (MargoDon)

- 3) TA-33,46 Issues
 - 33-004(a) & 33-002(a) septic tank (status) (Lynn)
 -

- 4) FU 3 waste management & BMP issues
 - Waste issues (Lynn)

- 5) Other issues

Carla
97-09-08 A11:50 OUT

Meeting Distribution - e-mail

*Margo Buksa (CST-18, E525)
 *Kathy Campbell (EES-5, F665)
 * Linda Fluk (ICF Kaiser, M703)
 Peter Gram (ICF Kaiser, M703)
 *Donald Hickmott (EES-1, D462)
 *Dorothy Hoard (CST-3, E525)
 *Lynn Kidman (ICF Kaiser, M703)
 *John McCann (Neptune)
 *Roy Michelotti (CST-18, E525)
 *Karen Paige (CST-7, E525)

Donna Sharp (CST-18, E525)
 Doug Hof (CST-25, J519)
 Pat Shanley (ESH-18)
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Pete Bussolini (NIS/FM, E522)
 John Miglio (CST-3, E509)
 John Jennings (NIS/FM, E522)
 Brent Newman (EES-15)
 Julie Canepa (EM/ER)
 Dan McDonnell (ESA-FM, C930)
 *Kristi Beguin (ICF-Kaiser, M703)
 Joe Mose (DOE/LAAO)
 Kim Hill (EPA)

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 Bill Brazile (ESH-5 K494)
 Steve Yanicak (NMED-AIP, J993)
Hard Copy to QA file

* attendees of last meeting shown by asterisk

Field Unit #3 Team Meeting Minutes - 8/26/97

<p>Project-wide Issues</p> <p>Roy reported on Monday's Management Team mtg.:</p> <p>Lars reported on RFI report issues. We need to beef up our SWMU specific QA/QC discussion, particularly our use of qualified data. NMED is concerned with our use of qualified data.</p> <p>Dave reported on a meeting with the SWQB. He updated them on how we are doing on the AP 4.5 forms.</p> <p>Dave noted complaints expressed by the regulators. One of these is that we sample in septic tanks rather than beneath them. Another is that the NMED does not like caps, they prefer full removal. Finally, the NMED expects us to implement peer review and improve our quality.</p> <p>Roy passed out the Susan Tydings list of team effectiveness factors. This list will be discussed again in October.</p> <p>Don noted that the project had requested extensions on all the NODs until November 15. We will probably have to include SAPs at this point, so the efforts will be more significant than usual. NOD work will occur at a lower priority than beans and baseline. Dorothy will look into what we need for the TA-33 SAP.</p> <p>Don reported on report tracking. The main issues have to do with getting the data tables from Martha. See below.</p> <p>We will baseline to the \$48 M in the 1st quarter of FY 98, then maintain the \$60 M budget.</p>	<p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>Dorothy</p> <p>Tom</p>	<p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>10/1/97</p> <p>9/12/97</p>
<p>Lynn reported on the field team priorities:</p> <p><i>The 260 team:</i> Two teams continue to proceed with drilling at TA-16-260.</p> <p><i>The '3rd' team:</i> The '3rd' Team is working on taking a few extra samples for the TA-16 report.</p>	<p>Kaiser Team</p> <p>Kaiser Team</p>	<p>ASAP</p> <p>8/21/97</p>

<p>Martha and Sue Kincaid came to discuss producing data tables out of FIMAD. They have been iterating with Dow on the field database uploads. We should know by tomorrow whether this effort was successful. 1) the field data will be uploaded by Martha and Louis assuming no internal problems 2) Margo (by tomorrow) will provide a list of PRSs and sample numbers to Martha of materials that desperately need validation 3) Martha will check this information and crack the whip on the data validation (by tomorrow)4) Linda, Martha, and Sue will then begin generating the tables in an appropriate format for the NFA reports. Sue will document rules for table creation. An example dump will be completed by Thursday. Martha and Kathy will report to Roy on Friday. We will then begin cranking through the tables. Sue and Martha will return next Tuesday and let us know how we're doing.</p>	Martha	9/2/97
	Martha	9/2/97
	Martha	9/2/97
	Linda et al.	9/2/97
	Martha/ Kathy	9/2/97
Waste management issues		
260 Drilling waste water - see discussion below in TA-16 Issues.	NA	NA

TA-16 Issues		
<i>Hydrogeology planning</i> - Lynn met with Stewart Brothers about the hydro drilling. We may augment the SAP to take additional soil samples at depth. Don will get a copy of the SAP and May letter to Brent. We will discuss this issue next week out at the field trailer. Lynn will take Stewart Brothers down in the Canon on Friday. Lynn will check in the SAP as to the diameter of hole that will be required.	Don/Brent	9/2/97
	Lynn	9/2/97
<i>NFA PRSs</i> - Linda reported on NFA PRS resampling. We will rescreen two locations where the samples were not screened to an adequate depth. Linda will look into acquiring LIBS capabilities for Cr at TA-16. Linda will also look into getting new sources for the XRF and optimizing the detection limit for this screening technique.	Linda	ASAP
	Linda	10/1/97
<i>16-009</i> - Don reported on the fact that we found radioactive material at PRS 16-009. This discovery may end up being an occurrence. Margo will provide Roy with a copy of the occurrence report.	Margo	ASAP
<i>260 Status</i> . We are at 35 feet on the current hole. The last interval was clean. We still have not received analytical back from the waste water samples. State must review these data for the NPDES permit mod. We continue to add storage for drilling waste water. Margo will track these data for update next week.	Margo	9/2/97
Lynn reports that we will be done with the full 260 drilling scope of work by the end of October.	NA	NA
<i>V-Site</i> - Tom will get with Miguel S. to determine the status of V-Site for baseline planning.	Tom	ASAP

Field Unit #3 (TA-16, 33, 46) Team Meeting Agenda

9/9/97 - Tuesday

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- 1) Project-wide issues (Roy)
 - Field team priorities & 2 week look-ahead (Lynn/Linda)
 - Documents update (Roy)
 - NFAs and report tracking (Don)
 - Draft PTS report (Don)
 - AP 4.5 (Kristi)
 - FIMAD table generation (Linda/Kathy)

- 2) TA-16 issues
 - NFA PRSs (Linda)
 - 260 status (Lynn/Peter)
 - V-Site status (Don/Lynn)
 - Hydrogeology planning (Lynn)

- 3) TA-33,46 Issues
 - 33-004(a) & 33-002(a) septic tank () (Lynn)
 - Water tower status (Margo)
 - BMPs at TA-33-86 (Margo)

- 4) FU 3 waste management & BMP issues
 - Waste issues (Lynn)
 - BMP Status(Lynn)

- 5) Other issues

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Field Unit #3 Team Meeting Minutes - 9/2/97

Project-wide Issues		
Roy reported on Tuesday's Management Team mtg.:		
<ul style="list-style-type: none"> Julie spent a great deal of time discussing how all of the FUs were allocated their FY 98 funds. FU3 gets \$ 5.489 M out of a \$ 60 M budget. It is more likely that we will end up with \$ 48 M as a project. We will currently baseline to the higher number, assume that the first quarter will spend at the lower rate, and try to ensure that the core team is covered under a \$48M scenario. 	NA	NA
<ul style="list-style-type: none"> Julie also reported that the FUs will have focus areas. FU3's focus area will be traditional CMSs with the 260 outfall being the model. FU 4 will focus on Canyons, FU 5 will focus on capping MDAs, FU 1 will focus on alternative technologies and FU 2 will focus on fixed price activities and sediment transport. 	NA	NA
<ul style="list-style-type: none"> Dave Bradbury will be the point of contact for ensuring that formal review comments are incorporated into final reports in an adequate manner. He will also be collating comments that are recurring. We will coordinate with him to get our documents out. 	NA	NA
<p>Martha provided an inorganic table, an organic table, and a rad table that were generate directly from FIMAD. These appear to be good. She also reported that all of the editing and validation is done for the NFA PRS report, except for the last 8 samples. Kristi and Martha will find the missing validation reports. Martha will create the tables for the report out of FIMAD Linda will provide the list of PRSs for which data needs to be collated to Martha. Martha will provide the tables to Kathy and Linda by the end of the week.</p>	Kristi/Martha/Linda	9/5/97
	Martha	9/5/97
<p>Kristi reported that 20 PRSs were completed for AP 4.5 Part B last Friday. Kristi will fill out the 8 priority PRSs Part A's ASAP. Kathy will do FIMAD data dumps on these 8 PRSs.</p>	Kristi Kathy	9/9/97

<p>Lynn reported on the field team priorities:</p> <p><i>The 260 team:</i> Two teams continue to proceed with drilling at TA-16-260.</p> <p><i>The '3rd' team:</i> The '3rd' Team is working on taking a few extra samples for the TA-16 report. This effort is going far slower than we had anticipated.</p> <p>Lynn reported that the 33-002(a) tank institutional interim measure could push forward to next fiscal year. The operating group may not be able to shut off flow quickly. Linda and Don will try to work with Anne to speed this process. Beyond this we are ready to mobilize.</p>	<p>Kaiser Team</p> <p>Kaiser Team</p> <p>Linda/Don</p>	<p>ASAP</p> <p>ASAP</p> <p>9/9/97</p>
<p>Don updated the team on report status. All reports are proceeding relatively well, except perhaps the NFA report, which is waiting on data tables (see above). Linda will provide the internal draft report on Wednesday 9/10/97. Please review this ASAP when you receive it. The TA-16 report is waiting on the additional data.</p>	<p>All</p>	<p>9/10/97</p>
<p>TA-16 Issues</p>		
<p><i>Hydrogeology planning</i> - The readiness review for this field campaign will be on Thursday at 1:30 at ICF Kaiser. Lynn has received the draft drilling plan from Dow, he will forward it to Brent. Roy suggested that we check with FU 4 as to whether our alluvial work is consistent with what they do in Canyons. Lynn will invite a FU 4 rep and Bruce Gallaher to the readiness review. Don will run through the scope of the drilling work at the readiness review. Lynn will take Stewart Bros. down into the canyon at 5 PM tomorrow to examine the drilling sites. Meet at TA-16 cafeteria at 5 PM. Brent wants to ensure that his sampling needs are also covered in the FIP. He will review the FIP.</p> <p><i>NFA PRSs</i> - Don will double-check with Tracy about the RFI format that is in use.</p> <p><i>16-009</i> - Margo reported that the 16-009 issue has been resolved. The finding of the radioactively contaminated material may be an incident, however, no spread of contamination was noted, so the concern with the issue has decreased. The material found was at a level of 27 K dpm. Margo will ensure that we will receive the results of any rad surveys and reports that are completed at that site. Straw bales have been installed. Margo will continue to follow this issue</p> <p><i>260 Status.</i> The field team has completed the second center borehole at 450 ft.</p>	<p>Lynn</p> <p>Don</p> <p>All</p> <p>Brent</p> <p>Don</p> <p>Margo</p> <p>NA</p>	<p>9/4/97</p> <p>9/4/97</p> <p>ASAP</p> <p>9/4/97</p> <p>ASAP</p> <p>9/9/97</p> <p>NA</p>

TA-33/46 Issues The BMPs behind TA-33-86 will be completed in the next week or two. Margo will try to arrange with JCI to complete this.	Margo	ASAP
Waste Issues We no longer have any waste in the satellite storage area at TA-33. It has been provided to Jacek for his treatability study. There is no movement on the drilling water at TA-16-260. We will increase storage capacity.	NA Lynn	NA ASAP
General Issues Snack assignment: McCann.	John	9/9/97