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MEMORANDUM

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Subj: NSA MEMPHIS BRAC CLEANUP TEAM (BCT) MEETING, 25 MAR 96

Encl: (1) Minutes from 25 March 1996 BCT Meeting

1. Enclosure (1) is forwarded for your review and information. As a reminder, the next BCT is scheduled for 22-24 April.

2. Follow-up assignments are summarized below:

EnSafe (Lawson Anderson):

- Pending the availability of data from the additional apron area sampling:
 - (1) Develop TEM/geological information map of the area at Hangar N-126 and the surrounding apron.
 - (2) Construct 3-D model of the area at Hangar N-126 and the surrounding apron.
 - (3) Perform 3D geostatistics on data from upper and lower fluvial to determine if there is a correlation.
- After building N-121 is demolished, core concrete slab and collect and analyze samples from beneath the slab. Incorporate discussion of planned sampling in the RFI report.

- In accordance with the Deliverable Schedule, provide the following documents before the April BCT meeting:

SWMU 1	4 April
SWMU 3	2 April
SWMU 5	11 April
SWMU 60	19 April
SWMU 62 PRE	18 April
Assembly D CSI	15 April
Assembly F work plan	3 April
CAMP	
- Revise Technical Memorandum for the investigation of SWMU 10.
- Coordinate with Jim Kingsbury on the list of parameters related to biotransformation for use in all future sampling.
- Conduct off-base sampling of North Fork Creek in accordance with Technical Memorandum of 19 March.

EPA Region IV (Brian Donaldson):

- Review deliverables to be provided in April:
 - North Fork Creek FOSL (provide comments by 10 April)
 - SWMU 1
 - SWMU 3
 - SWMU 5
 - SWMU 60
 - SWMU 62 PRE
 - Assembly D CSI
 - Assembly F work plan
 - CAMP

NSA Memphis - Environmental (Tonya Barker/Rob Williamson):

- Coordinate 2nd week of SCAPS access to SWMU 5 and other sites/provide utility drawings for sites to be sampled.
- Complete the disposal of IDW from Assembly A investigation.
- Remove and dispose of soil pile at SWMU 1 using DynCorps.
- Coordinate with TDEC on radiation survey (survey scheduled for May).
- Arrange for the cleanup of SWMU 67 and oversee the operations.
- Assuming no contamination is found during the sampling at SWMU 66 (preliminary data available late April), arrange for the cleanup by DynCorps, including the recycling of CFC from disposed refrigerators.
- Determine demolition schedule for Building N-121.

SOUTHDIV (David Porter):

- Coordinate with the Base Reuse Committee on the placement of the roadway at SWMU 60.
- Coordinate with the Base Reuse Committee on the possibility of near term (summer 96) innovative property transfer of the airfield and apron.
- Provide TDEC with letter regarding July BCT conference in Charleston.
- Schedule team building training for April BCT (23-24 April) with Galileo Quality Institute.

SOUTHDIV (Mark Taylor):

- Coordinate HSWA Permit renewal application (coordinate with Mr. Odus Johnson at EPA Region IV and James Worthy/SOUTHDIV), including the possible revision of the application to a "letter format."
- Provide Brian Donaldson with a copy of the HSWA Permit renewal application.
- Arrange for a Data Quality Objectives course by NEPTUNE for the BCT meeting in May.
- Coordinate with Jim Morrison to incorporate NAVSEA RASO comments into the TDEC radiation survey.
- Check funding schedule against revised Master Schedule in CAMP

TDEC (Jim Morrison):

- Organize radiation survey by TDEC personnel for May.
- Review deliverables to be provided in March:
 - North Fork Creek FOSL (provide comments by 10 April)
 - SWMU 1
 - SWMU 3
 - SWMU 5
 - SWMU 60
 - SWMU 62 PRE
 - Assembly D CSI
 - Assembly F work plan
 - CAMP

USGS (Jack Carmichael):

- Continue to coordinate High Frequency Seismic work with the Kansas Geological Survey.
- Arrange for course on the use of modeling for BCT meeting in June.

3. Please call/e-mail if you have comments and/or questions: (803) 820-5610, DSN 583, e-mail: dlporter@efdsouth.navy.mil.



NSA MEMPHIS BCT MEETING MINUTES
25 MARCH 1996

The NSA Memphis BRAC Cleanup Team convened at 8:00 am on Monday 25 March in the Environmental conference room, Building S-241. The following people were in attendance:

Lawson Anderson, EnSafe (Memphis)
Jack Carmichael, USGS (Nashville)
Brian Donaldson, EPA Region IV
Jim Morrison, TDEC (Memphis)
David Porter, SOUTHDIV
Robert Smith, EnSafe (Memphis)
LT Chuck Starkey, NSA Memphis
Mark Taylor, SOUTHDIV
Rob Williamson, NSA Memphis

David Porter discussed a draft Finding of Suitability to Lease (FOSL) that has been prepared for a 25-acre parcel requested by the Millington Base Reuse Committee/Millington Municipal Airport Authority. The location of the parcel has shifted from south of the runway in the clear zone, as was discussed by Jim Ferguson at the February BCT meeting, to an area on the western property boundary north of North Fork Creek. This new site contains SWMUs 27 and 36. Lawson Anderson provided the BCT with a draft Preliminary Risk Evaluation (PRE) that was prepared for the sites. The PRE indicated an acceptable level of risk under both residential and commercial scenarios. Jim Morrison requested that the PRE include an analysis for construction workers, since the site will be subleased to a firm that intends to build a 200,000 square foot distribution warehouse. After further discussion, it was determined that the numbers for exposure for construction workers would be less conservative than those for long term exposure; however, this will be discussed in the text for the PRE. Lawson Anderson will finalize the PRE by the end of the week. David Porter will finalize the FOSL and provide to the regulators by 1 April. Brian Donaldson and Jim Morrison indicated that they would expedite the review and should have comments by the end of next week (05 April). David Porter noted that the agenda for the afternoon includes a site visit to the parcel.

Lawson Anderson provided the BCT with a new overall schedule from the CAMP. This schedule shows the completion of the RFI reports for the BRAC assemblies prior to the start of the CMS. Reasons for the delay of the CMS are detailed in the Project Update #19 dated 25 March. The CMS is scheduled to begin in October 1996 and last approximately 18 months. Final completion date for the BRAC portion of the cleanup is projected as February 2000. The BCT decided to approve the schedule as is, and incorporate into the revised CAMP (verbage in the CAMP will be revised).

The BCT also discussed a deliverable schedule provided by Lawson Anderson. Brian Donaldson noted that he will handle reviews in the same manner as David Williams (i.e., primarily verbal during the BCT meetings). Jim Morrison requested that verbal comments be documented in

some form. Lawson Anderson will document the verbal comments when sending out revisions to various documents. Jim Morrison requested that binders be limited to a maximum thickness of 3 inches. Given the numbers of documents to be provided in March and the next several months, Jim Morrison requested that he be provided with a priority for reviews.

In regards to the HWSA permit renewal, Mark Taylor stated that the application has been submitted. Brian Donaldson requested a copy of the application. Brian Donaldson noted that the POC at EPA Region IV is Otis Johnson (rather than Odis).

Rob Williamson noted that the BFI landfill has received a special waste permit for the disposal of the soil pile at SWMU 1. NSA has not yet received a copy of the permit. Jim Morrison requested that when applications such as a special waste permit are submitted to TDEC, that he receive a copy in order to track the status.

The BCT discussed the Technical Memorandum for the investigation of SWMU 10. EnSafe will revise the document. The BCT approved the memo, pending the incorporation of the noted comments.

At 11:00 am, the BCT met with CAPT Mallory in the conference room in building S-1 to "dry run" the presentations for the RAB meeting on Tuesday evening.

The meeting adjourned for lunch at 12:00 noon, and resumed at 1:00 pm with the same people in attendance, less LT Starkey.

David Porter noted that he had tentatively scheduled one and a half to two days of team-building training during the next BCT with the firm of Galileo Quality Institute. The purpose of the training being not to "start over" with team organization, but rather to build on the strengths the team has already developed. The BCT was in agreement to pursue this training, and it was scheduled for 23-24 April. The BCT confirmed the next RAB meeting date as Tuesday, 28 May. Since this Tuesday follows a Monday holiday and makes a team meeting with the CO impractical, David Porter will brief CAPT Mallory privately prior to the meeting. Regarding DQO and Modeling training, the BCT scheduled DQO for either 29 or 30 May, and Modeling for 25 and 26 May (1.5 days).

David Porter noted that the East Coast BCT Conference will be held in Charleston this year, 9-11 July, at the Hawthorn Suites on Church Street. Jim Morrison requested that a letter be sent to TDEC ASAP so that travel arrangements can be planned. Lawson Anderson asked who will be invited to the conference. David Porter will check on who should attend.

Jim Heide briefed the BCT on the recent removal of the waste oil tank at SWMU 19. An oily goo was noted in the tank pit. Closer inspection revealed that the vent pipe to the 250-gallon tank was disconnect at a "Y" near the tank. One leg of the "Y" was open to the soil. This could correlate with the carbon tetrachloride hit for those wells neary SWMU 19. The tank is 10-15 years old.

The BCT conducted a visual inspection of the 25-acre parcel proposed for lease to the community, and also visited the tank removal site at SWMU 19.

The BCT discussed follow-up items from the February BCT meeting:

EnSafe (Lawson Anderson):

- Develop TEM/geological information map of the area at Hangar N-126 and the surrounding apron. Postponed until data from the additional work around the hangar is available.
- Construct 3-D model of the area at Hangar N-126 and the surrounding apron, incorporating data from additional work underway in the apron area. Postponed until data from the additional work around the hangar is available.
- After building N-121 is demolished, core concrete slab and collect and analyze samples from beneath the slab. Incorporate data into the SWMU RFI report. Rob Williamson will check on the demolition schedule, as it may be delayed due to a lack of funding. The RFI Report for SWMU 3 will discuss the proposed actions to be taken after the demolition is completed.
- Revise deliverable schedule. The deliverable schedule has been revised.
- Complete additional geoprobe pushes and wells in the apron area. The additional geoprobe pushes and wells have been completed.
- Revise CAMP and provide to regulators in accordance with the deliverable schedule (25 March). The project Master Schedule has been revised and approved by the BCT. Verbage in the CAMP will be revised.
- Collect 3 surface soil samples from old sludge drying beds at SWMU 27 and use analytical results to calculate a preliminary risk assessment. To facilitate reuse committee request for this parcel of land, expedite the analysis and provide the PRE by 1 April. The PRE has been completed. A final copy, with text, will be forwarded to the regulators by 1 April to include with the FOSL for the North Fork Creek Parcel.
- Perform 3D geostatistics on data from upper and lower fluvial to determine if there is a correlation. The 3D geostatistics is postponed until data from the additional work around the hangar becomes available.
- Develop Technical Memorandum for the investigation of SWMU 10 (provide to regulators by 11 March). The Technical Memorandum has been completed. EnSafe will revise and finalize based on the review comments received at the BCT meeting.
- Coordinate with Jack Carmichael in determining a list of parameters related to biotransformation for use in all future sampling. Jim Kingsbury is finalizing the parameters, and will coordinate with EnSafe.
- Investigate North Fork Creek from the Navy Road bridge to Big Creek, and collect sediment samples at point bars. Incorporate data into Assembly B Ditches Final RFI report. Recommendations for sampling in North Fork Creek are provided in a Technical Memorandum from Lawson Anderson and Fred Swan dated 19 March 1996. The BCT reviewed and approved the recommendations in the memorandum.
- Incorporate regulator comments into Assembly C CSI report and finalize by 1 April. EnSafe will revise and finalize the Assembly C CSI report once EPA risk review has been completed.
- Provide Assembly D draft CSI report to regulators by 1 April. Delivery date to regulators changed to 15 April.

EPA Region IV (Brian Donaldson):

- Review deliverables to be provided in March: (1) SWMU 10 Memo Work Plan, (2) Revised CAMP, and (3) HSWA Permit renewal
(1) Comments to SWMU 10 memo were discussed during the BCT meeting, (2) Master Schedule for CAMP was reviewed and approved during the BCT, (3) Brian Donaldson requested a copy of the permit renewal application. He noted that the permit can be renewed in a letter format - copy provided to Mark Taylor for action.

NSA Memphis - Environmental (Tonya Barker/Rob Williamson):

- Coordinate SCAPS access to SWMU 5/provide utility drawings for sites to be sampled. Coordination still underway. The 2nd week of SCAPS is scheduled to begin 1 April. SWMU 5 will be scheduled for the weekend of Easter.
- Provide sign at sewage lagoons to prohibit fishing. Signs have been created and installed.
- Complete the disposal of IDW from Assembly A investigation. Investigate the recycling of the drums as scrap metal, or the disposal of the drums at a landfill vs. DRMO disposal cost of \$ 10,000. Disposal of IDW still underway. DRMO has stated that the drums are not suitable for reuse. The drums are being triple rinsed and will be recycled as scrap metal.
- Remove and dispose of soil pile at SWMU 1 using DynCorps. TDEC has issued a special waste permit to BFI Landfill for the disposal of the soil pile.
- Coordinate with TDEC on radiation survey (survey scheduled for late March). Per Jim Morrison, target date for conducting the survey has been postponed until May.
- Arrange for the cleanup of SWMU 67 and oversee the operations. A delivery order has been issued to DynCorps, with an original completion date of 1 April. Completion date has been revised to a date later in April.
- Assuming no contamination is found during the sampling at SWMU 66, arrange for the cleanup by DynCorps, including the recycling of CFC from disposed refrigerators. Awaiting analytical results from sampling conducted by EnSafe. Preliminary (unvalidated) data should be available in late April.

SOUTHDIV (David Porter):

- Coordinate with the Base Reuse Committee on the placement of the roadway at SWMU 60. Reuse Committee is coordinating with the Tennessee State Highway Department on their planned construction methods for the site and their requirements for construction of roadways over landfills.
- Coordinate with the Base Reuse Committee on the possibility of near term (summer 96) innovative property transfer of the airfield and apron. Reuse Committee has been briefed on the possibility of an innovative transfer. Assistant Secretary of the Navy has approved a 25 year lease, with language to require transfer of the property once it is environmental suitable.
- Finalize Business Plan and distribute to BCT members. Business Plan has been finalized and distributed. Revised budget figures were supplied to the BCT.

SOUTHDIV (Mark Taylor):

- Coordinate HSWA Permit renewal application (coordinate with Mr. Otis Johnson at EPA Region IV and James Worthy/SOUTHDIV). Mark Taylor will coordinate a revision to the application, based on the letter format provided by Brian Donaldson.

- Arrange for a Data Quality Objectives course by NEPTUNE for the BCT meeting in April. Date postponed to 29 May to accommodate team building training at the April BCT meeting.
- Coordinate with Jim Morrison to incorporate NAVSEA RASO comments into the TDEC radiation survey. To be completed prior to the survey in May.
- Obtain geostatistical data generated by Dr. Rouhani on Turkey Shoot and SWMU 7. Dr. Rouhani did not retain the data generated during the training. EnSafe is attempting to regenerate, as they have the software. Robert Smith is working on this effort.

TDEC (Jim Morrison):

- Organize radiation survey by TDEC personnel, based on list of potential sites provided by Rob Williamson (scheduled for late March). Survey has been rescheduled for May.
- Review deliverables to be provided in March: (1) SWMU 10 Memo Work Plan, and (2) Revised CAMP (1) Comments to SWMU 10 memo were discussed during the BCT meeting, (2) Master Schedule for CAMP was reviewed and approved during the BCT

TDEC (Clint Willer):

- Check on the status of the special waste permit for the disposal of the soil pile at SWMU 1. Special permit has been issued.

USGS (Jack Carmichael):

- Continue to coordinate High Frequency Seismic work with the Kansas Geological Survey. Coordinate still underway. Jack Carmichael was unable to use the North Carolina document/contract as a mechanism for accessing the Kansas Survey. Bruce Campbell is developing a document to use.
- Arrange for course on the use of modeling for BCT meeting in May. Dates for the modeling training has been revised to 25-26 June (1.5 days)
- Coordinate with Frank Chapelle on providing technical assistance/consulting on intrinsic biotransformation and coordinate with EnSafe on collecting data need to prove biotransformation. Jim Kingsbury is finalizing the parameters, and will coordinate with EnSafe.

The meeting was adjourned at 4:30 pm.

Note: A Restoration Advisory Board Meeting was held on Tuesday evening, 26 March, at 6:30 pm at the Baker Community Center. Minutes of this meeting will be forwarded separately. Also on Tuesday, Lawson Anderson, Jack Carmichael, David Porter, Robert Smith, Mark Taylor, and Rob Williamson provided an introductory tour of SWMU sites to Brian Donaldson.