

MINUTES
ON-BOARD REVIEW AT FT. McCLELLAN
MAY 10, 2001

Attendees:

Ron Levy, Ft. McClellan	Lisa Kingsbury, Ft. McClellan	Philip Stroud, ADEM
Shannon Golden, ADEM	Ellis Pope, USACE Mobile	Doyle Brittain, EPA
Francis Coulters, NGB	Col. John Lyda, AL-ARNG	Jo Ann Watson, NGB
Bill Shanks, FTMC	Wayne Sartwell, AL-ARNG	Lee Jaye, FTMC
Dan Copeland, CEHNC	Suzanne Murdock, CEHNC	Greg Sisco, IT
Karen Pinson, FTMC	David McPherson, FTMC/ARNGTC	Steve Moran, IT
Josh Jenkins, IT	Gregg Goldsmith, NGB-ARE	Jeanne Yacoub, IT

The project team met at Ft. McClellan at 7:00am on May 10 to begin on-board reviews of work plans and SI reports as listed on Attachment A, the meeting agenda. The project team accomplished its review of all work plans and SI reports by 4:30pm, and spent the remainder of the meeting reviewing the Eastern Bypass Action Memorandum and the EE/CA (get from Dan/Suzanne). Minutes from the UXO review will be provided separately. The following minutes identify the documents that the project team reviewed on May 10, and describe action items resulting from the project team's discussions.

For this meeting, the project team hosted several members from the National Guard, since several of the parcels to be reviewed are covered under a MOA between NGB, ACSIM, & TRADOC for investigation. Members from the Guard stayed through the discussion of the first 9 sites that pertained only to their affected property and left the meeting after that point. Guard members were also invited to attend BCT meetings where parcels in Guard licensed properties are also discussed on a regular basis.

On-Board Review Summary:

Boiler Plant No. 2, Buildings 2278 and 2202, Parcels 23(7) and 226(7) - The BCT previously reviewed this site in March 1999, and agreed to NFA based on the QST report and data. Parcel 23 consists of two 25,000-gallon USTs (containing No. 4 heating oil) and Parcel 226 is the building and surrounding areas. The data for this site indicated low levels of VOCs that exceeded ESVs, but not SSSLs. The current reuse plan identifies this property as part of the National Guard enclave.

During discussions of this site, NGB personnel inquired about the BCT's screening process. The team explained how the screening values were established, approved, and applied. IT explained that the human health screening values were developed using EPA- and ADEM-approved methods and exposure assumptions. The ecological screening values are a compendium of benchmark values from Region IV where those values exist, and from other EPA-approved sources where Region IV does not have established benchmark values (other EPA regions, various ecological studies). Properties are

screened against human health residential and ecological screening values; if the property passes the residential screen, it is released for unrestricted reuse. If it fails the residential screen, the property requires a restriction for release. This information is documented in both the SI report and the Decision Document for the parcel.

Philip also explained the relationship between turbidity in groundwater and metals concentrations in groundwater. He described the base's effort to perform selective re-sampling of groundwater using low-flow sampling techniques, and the chemical results that demonstrated a significant reduction in metals concentrations. The NGB inquired if the base was filtering groundwater samples, and was told no; neither EPA nor ADEM approve filtering of groundwater samples. However, IT did institute a change in groundwater sampling procedures to incorporate the low-flow technique based on the BCT's request after review of the groundwater re-sampling results.

The BCT agreed that the March 1999 decision to NFA these parcels was sound. Doyle indicated the NFA is justified based on very low levels of VOCs, limited ecological habitat, analytical concentrations passed SSSLs, and where IT did perform duplicate sampling, VOCs were not detected post-wide. The USTs were removed in accordance with ADEM regulations, and the closure reports will be provided as part of the SI. IT will prepare the final SI report and Decision Document for this site.

Boiler Plant No. 3, Buildings 1076 and 1001, Parcels 14(7) and 235(7) - The BCT previously reviewed this site in March 1999, and agreed to NFA based on the QST report and data. Parcel 14 consists of two 15,000-gallon USTs (previously containing No. 4 heating oil) and Parcel 235 is the building and surrounding area. The USTs on this parcel were removed in accordance with ADEM regulations. The closure reports for the USTs will be part of the SI report.

Initially, the team discussed the merits of installing a couple more wells and using proper sampling techniques to obtain another groundwater sample, since this parcel showed naphthalene and chloroform slightly exceeding SSSLs. However, after discussion, the BCT agreed that NFA with unrestricted reuse was appropriate, since the naphthalene was on the same order of magnitude as the SSSL, and the chloroform appeared to be a laboratory contaminant.

Chemical School Lab Sump, Building 2, Parcels 90(7) and 225(7) - The BCT agreed to NFA with no reuse restrictions.

Former Personnel and Equipment Decon Station, Parcel 206(7) - The work plan is underway at this site. The sampling program came from the report CHPPM developed for the National Guard. Guard personnel indicated that they would like to inspect the site. Major Case will communicate with Lisa, and Lisa will get information to IT. Doyle would like a sample from the center of the pond. Steve informed the project team of the UXO considerations associated with sample collection in the pond.

Range J, Parcel 202(7) - Range J is located on Pelham Range. It was used extensively as a training area, and has already had much investigative work accomplished. Data from previous investigations indicate the presence of chlorinated VOCs in groundwater. IT is currently in the process of developing and sampling monitoring wells on Range J. As background information, Steve discussed the usage of DANC in military decontamination processes, and indicated that DANC is a possible source of the carbon tetrachloride and 1,1,2,2-TCA in groundwater at Range J. Benzene is also present in groundwater at Range J. Colonel Lyda also discussed two drums Guard personnel observed on Range J. The drums had bungs on the top and side, and were located on the surface outside of the fenced area on Range J. Doyle wants to inspect the drums next week with a Guard representative. Ron indicated he cannot expand the scope of the Army's investigation. Josh, Philip, Doyle, and Guard personnel will inspect the site for the drums.

Rideout Field Radiological Area, Parcel 202Q-RD - The activities at Rideout Field are part of the Army's effort to terminate the NRC license and site closeout. NRC wanted to have groundwater data from the site. The Army has verbal concurrence from the NRC and ADEM, and is waiting to hear from EPA on the sampling plan. ATG will accomplish the cleanup of the burial mound in June. IT will collect groundwater samples only. The BCT agreed to the work plan. IT will finalize the plan and send out to distribution.

Geophysical Survey, Sinkholes on Pelham Range - IT performed geophysical surveys on the sinkholes and found one small anomaly. The surveys were performed when the sinkholes were dry. IT provided a copy of the geophysical survey report to Major Wayne Sartwell. The BCT will make a final decision on this report after inspecting the sites.

Blue Hole, Training Area 6C - IT took samples from the bottom of the hole since it was dry at the time of sampling. Two surface water and sediment samples indicated the presence of antimony, arsenic, and chromium above SSSLs or ESVs, but within background range or on the same order of magnitude as background values. After some discussion, the team agreed that these concentrations did not represent any release by Army activities. Guard personnel shared a photo of a site they thought might be the Blue Hole. After discussion and map examination, the team agreed that the photo was probably not the Blue Hole, but another site. The BCT agreed to a conditional NFA for this site, also pending inspection to confirm that everyone agrees on the location of the Blue Hole.

Steve recommended that access to the sites be coordinated in advance of any visits, since access to Pelham Range is sometimes denied due to activities at the Anniston Army Depot.

Water Supply Well Report for Pelham Range - There are 5 wells on Pelham Range, none of which are used for potable water. One of the wells, the UTES well, is abandoned. IT sampled the remaining 4 wells for VOC, SVOCs, metals, and explosives. IT will edit the

report recommendation to reflect the positive assertion that activities have not affected the wells, and will finalize the report.

Boiler Plant No. 1, Building 1376, Parcels 26(7) and 89(7) - These parcels consist of two 18,000-gallon USTs (No. 4 heating oil, closed in place in 1991), the building, and surrounding area. QST data at these parcels indicate the presence of MTBE (methyl tertiary butyl ethylene). The proposed reuse for these parcels is office space. The BCT discussed the MTBE levels (5-6 ppb) relative to EPA Region 9 PRG of 20 ppb, and agreed to NFA with unrestricted reuse at this site, since the MTBE levels at the site are well below the Region 9 PRG.

Contractor Laydown Area/Former Tar Plant, Parcels 86(7), 99(7), and 32(7) - This site was used as a contractor staging area, and had an asphalt batch plant. During validation of the QST data for this site, IT rejected 40-50% of the SVOC soil samples. The rejected data appear to have been a bad batch at the laboratory. The rejected data were widely scattered on the site. The remaining SVOC soils data is also widely scattered on the site, and is acceptable from a data validation standpoint. The data show low levels of aldrin. The BCT discussed the EPA drinking water standard and health advisory level for aldrin (there is no MCL for aldrin) relative to the site levels. Since the site concentrations of aldrin are an order of magnitude lower than the EPA health advisory levels, the BCT agreed to NFA with unrestricted reuse at this site.

Former Incinerator Buildings 4407/4408, Parcel 96(7) - These QST sites consist of 2 large brick foundations with brick furnaces, used in the 40s and 50s. Data show low levels of pesticides in soils, and metals in groundwater attributable to turbidity. The BCT agreed to NFA with unrestricted reuse at this site.

Former Sandel Flamethrower Range, Parcel 97(7) - This is a 3-acre site. Data showed metals in groundwater associated with high turbidity. The BCT agreed to NFA with unrestricted reuse.

Autocraft Shop/Former DPDO, Former Motor Pool Area 2100, Parcels 20(7), 47(7), 100(7), 152(7), and 241(7) - Data indicate presence of pesticides, VOCs, nitro-aromatics, at concentrations consistent with site usage. All levels were checked against MCLs and EPA health advisories, and found to be below those standards. Doyle discussed the possibility of putting in more wells to define a "clean line." Ron is concerned about putting a land use control on the entire area. The team discussed these options extensively, but since the concentrations were all below health advisories, the BCT agreed to NFA with unrestricted reuse for the site. IT was tasked to research information on α -, β - BHC, and 2-amino-4, 6 dinitrotoluene (AEC and Ted Simon) and report back to the BCT at their next meeting on May 24.

Boiler Plant No. 4, Building 1876, Parcels 101(7) and 236(7) - This parcel consists of two 50,000-gallon USTs (No. 4 heating oil, removed in August, 2000), the building, and surrounding area. Similar to the other boiler plant sites, the BCT agreed to NFA with unrestricted reuse for this site as well.

Ground Scar South of Building 3134, Parcel 153(7) - QST data indicate the presence of MTBE at this site. Since the concentration of 5 ppb is well below the Region 9 PRG of 20 ppb, the BCT agreed to NFA with unrestricted reuse for this site.

Ground Scar/Trenches at Littlebrandt Drive, Parcel 154(7) - QST data for this site are similar to the data for the Autocraft Shop/Former DPDO, that is, low levels of pesticides, VOCs, and nitro-aromatics. The BCT agreed to NFA with unrestricted reuse for this site, based on data concentrations lower than EPA health advisories.

Ground Scar with Pit North of Landfill No. 3, Parcel 155(7) - The BCT agreed to NFA with unrestricted reuse for this site.

Ground Scar Near Ammunition Supply Point, Parcel 156(7) - The BCT agreed to NFA with unrestricted reuse for this site.

Ground Scar South of Autocraft Shop, Parcel 157(7) - The BCT agreed to NFA with unrestricted reuse for this site.

Ground Scar South End of Confidence Course, Parcel 158(7) - There was no water in groundwater wells when QST attempted to sample at this site. IT encountered the same condition, since the site is sitting on rock. Soils data indicate concentrations below SSSLs. The BCT agreed to NFA with unrestricted reuse for this site.

Golf Course, Parcels 83(7), 141(7), and 178(7) - Data for this site indicate pesticides and herbicides in soils below SSSLs, and pesticides in groundwater slightly exceeding SSSLs, but cumulatively lower than .001 mg/l. The BCT discussed these data and agreed that the levels are consistent with pesticide and herbicide applications at a golf course. Doyle indicated that EPA is wrestling with golf course issues across the nation, and therefore he requested that IT provide extensive detail on the site and data in the SI report. He wants full documentation on the site, the Army's actions to investigate the site, and the basis for the BCT's decision. The BCT agreed to NFA with unrestricted reuse for this site.

Trenches West of Iron Mountain Road, Parcel 500(7) - The BCT agreed to NFA with unrestricted reuse for this site.

GSA, Parcels 151(7) et. al. - The BCT discussed this site at the previous On-Board Review meeting in February 2001, and decided that a few more samples were necessary to confirm and delineate a lead "hot spot" as shown by existing data at the time. IT re-sampled the area, "stepping" out from the "hot spot" according to the guidance discussed in February. Data from this sampling event were dramatically lower; IT attributes this to a paint chip in the earlier sampling aliquot. Based on the most recent data, and the fact that the GSA area buildings are painted with lead-based paint evident on the ground, the BCT agreed to NFA with unrestricted reuse for this site.

FOMRA, Parcels 5(7), 6(7), 41(7), 42(7), and 75(7) - The BCT discussed this site at the previous On-Board Review meeting in February 2001. They decided that a few more samples were necessary to confirm and delineate two barium and one lead "hot spots" (GPs 5, 12, and 42) as shown by existing data at the time. IT re-sampled those areas, "stepping" out from the "hot spots" according to the guidance discussed in February. Data showed higher levels of barium at GP5, barium levels below SSSLs at GP 42, and lead levels below SSSLs at GP12. Further discussion will be required for this site.

Range 24 Upper, Parcel 80Q - IT presented the proposed work plan activities for this site. This range had limited small arms training due to problems with the automated targets. IT proposes sampling for metals and nitro-explosives. Doyle wants to ensure clarity that HTRW in the impact area of the range is also addressed. IT indicated that the impact areas are being addressed through the Charlie EE/CA for UXO and the SI work plans for Parcels 138Q-X, 141Q-X, and 142Q-X. The BCT accepted the proposed work plan. IT will finalize and distribute the plan.

Former Pistol Range South of Range 25, Parcel 224Q, Former Machine Gun Range, Parcel 226Q, and Former Pistol Range 227Q - These ranges overlap each other geographically. IT proposed sampling for metals and nitro-explosives. The impact areas on these ranges will be addressed in the Baby Bains Gap Road EE/CA. The BCT accepted the proposed work plan; IT will produce a final work plan based on the agreement.

Former Probable Range, Parcel 247Q-X - This parcel is located on the southwest portion of the Main Post. No historical information exists on this parcel or the activities that may have taken place on it. IT performed a site walk in January 2001 on the area with UXO and Army personnel. They observed many 55-gallon drums that have been blown apart, a drum with reinforcing ribbing, a drum lid with the printed words "Simulator-Atomic", spent smoke grenades and flares, a gas mask cartridge, an M-17 gas mask, and numerous depressions and mounds. Two trenches had their sidewalls lined with metal lockers and filing cabinets; Ron explained that this was probably to simulate the "Wall of Flame" training done by the Chemical School. IT proposes sampling for VOCs, SVOCs, metals, and nitro-explosives. The BCT agreed with this proposal. IT will produce and distribute a final work plan accordingly.

Range 24 Lower, Parcel 81Q - This site was the Combat Indoctrination Range. There was no live firing at this range. There are dirt-filled drums. Ron indicated that this site may have long-leaf pine stands and that IT needs to coordinate all activities with Bill Garland. IT will produce and distribute a final work plan for this site.

Possible Ranges and Impact Areas, Eastern Choccolocco Corridor, Parcels 237Q-X and 238Q-X - These sites cover approximately 36 acres. Another area, not identified as a parcel in the EBS, overlaps Parcel 237Q-X and was identified as the "Morgan Mountain Attack Site. Bill Shanks, working with Foster Wheeler, has updated that information and the overlapping area has been re-designated as the "T-46 Practice Grenade Assault Range." IT proposed sampling for metals and nitro-explosives. The BCT suggested that

IT move monitoring well 237Q-MW03 closer to Parcel 238Q-X. IT will produce and distribute the final work plan accordingly.

ATTACHMENT A

AGENDA ON-BOARD REVIEW MAY 10, 7:00 am - Whenever

Alabama National Guard Sites

1. Boiler Plant No. 2 Bldgs. 2278 and 2202, Parcels 23(7) and 226(7)
2. Boiler Plant No. 3 Bldgs. 1076 and 1001, Parcels 14(7) and 235(7)
3. Chemical School Lab Sump, Bldg. 2, Parcels 90(7) and 225(7)
4. Former Personnel and Equipment Decontamination Station, Parcel 206(7)
5. Range J, Parcel 202(7): Field Work Underway
6. Former Rideout Field Radiological Area, Parcel 202(Q)-RD (Groundwater sampling portion of work plan completed)
7. Geophysical Survey, Sinkholes on Pelham Range
8. Blue Hole, Training Area 6C
9. Water Supply Well Report for Pelham Range

SIs Completed/Reports in Progress

1. Boiler Plant No. 1 Bldg. 1376, Parcels 26(7) and 89(7)
2. Contractor Laydown Area/Former Tar Plant, Parcels 86(7), 99(7), and 32(7)
3. Former Incinerators, Bldgs. 4407/4408, Parcel 96(7)
4. Former Sandel Flamethrower Area, Parcel 97(7)
5. Autocraft Shop/DPDO, Parcels 100(7), 20(7), 47(7), 152(7), and 241(7)
6. Boiler Plant No. 4, Bldg. 1876, Parcels 101(7) and 236(7)
7. Ground Scar South of Bldg. 3134, Parcel 153(7)
8. Ground Scar/Trenches, Parcel 154(7)
9. Ground Scar/Pit, Parcel 155(7)
10. Ground Scar Near ASP, Parcel 156(7)
11. Ground Scar South of Autocraft Shop, Parcel 157(7)
12. Ground Scar South End of Confidence Course, Parcel 158(7)
13. Golf Course, Parcels 178(7), 83(7) and 141(7)
14. Trenches West of Iron Mountain Road, Parcel 500(7)
15. FOMRA, Parcels 75(7), 41(7), 42(7), 5(7), and 6(7) (Additional Samples)
16. GSA, Parcel 151(7), 2(7), 4(7), 67(7), 69(7), 238(7), 129(7), 111(7), 91(7), and 128(7) (Additional Samples)

Draft SI Work Plans Completed/In Progress

1. Range 24 Upper/Defensive Techniques, Parcel 80Q
2. Former Pistol Range South of Range 25, Parcel 224Q, Former Machine Gun Range, Parcel 226Q, and Former Pistol Range, Parcel 227Q
3. Former Probable Range, Parcel 247Q-X
4. Range 24 Lower/Combat Indoctrination, Parcel 81Q
5. Possible Range and Impact Area, Eastern Choccolocco Corridor, Parcel 237Q-X, and Possible Range and Impact Area, Eastern Choccolocco Corridor, Parcel 238Q-X

Supplemental Site Investigations -- Field Work Complete, Evaluating Data

1. Soldier's Chapel, Parcel 127(7)
2. Former Motor Pool Area 3100, Parcels 146(7), 212(7), 24(7), 25(7), and 73(7)

Remedial Investigations

1. T-38, Parcel 86(6): Field Work Underway
2. T-24A Parcel 187(7): Field Work Complete, Evaluating Data
3. AAFES Gas Station, Parcels 21(7), 22(7): Data Available for Discussion
4. Small Weapons Repair Shop (within FOMRA), Parcel 66(7): Field Work Complete, Samples with Laboratory
5. Motor Pool 1500, Parcel 94(7): Field Work Complete, Evaluating Data