

Final Meeting Minutes
Restoration Advisory Board (RAB) Meeting
Sunflower Army Ammunition Plant (SFAAP)
Wednesday, November 5, 2003

1. The thirty-fourth RAB meeting was held on Wednesday, November 5, 2003, in the Clearview City Ball Room.
2. Copies of the agenda and sign-in sheets are attached.
3. Mr. Tony Spaar, the Commander's Representative at SFAAP and RAB Army Co-chair, called the meeting to order at approximately 6:00 p.m. Introductions were made around the room.
4. Mr. Bill Maasen, the RAB Community Co-chair, then asked for comments regarding the draft minutes from the September 3, 2003 meeting. Mr. Dave Rhodes moved that the minutes be approved as corrected, second by Mr. Tom Price. Minutes approved.
5. IRP project updates were presented by Mr. Spaar

The FY03 actual obligations have changed since last meeting. SWMU 22 has been fully funded for clean-up or Remedial Action Construction (RAC) causing a 1.8 million dollar increase. Mr. Spaar requested year-end funds which mean: The Army Environmental Center looks at all the funding given through the year to contracts negotiated. At the end of the year any excess funds they have left over in the budget are allocated towards projects that have been submitted by installations. SFAAP submittal fell into line to receive some of these funds which gave the increase for FY03. Total funding for FY03 is \$5,802,934. S&R dollars which is the Army's contract oversight dollars are constrained by the fiscal year. This year the Corps was told excess S&R funding could be converted to contract dollars and kept at the Installations. Approximately \$190,000 was moved from various SWMUs to SWMU10. This did not cause an increase in the obligation plan; it reallocated some funds to SWMU 10.

The FY04 Obligation Plan for Sunflower has decreased because of the \$1.8M end of year funding in FY03. The majority dollars are Corps S&R dollars to oversee contracts that were awarded in 2003. The SWMU 22 RD and RAC funds are for Corps oversight of contract funds already awarded in 2003. We prepared work plans in 2003 so that in 2004 we are ready to award the contract to complete the investigation and accelerate the program.

Mr. J. Olyer inquired about the clean-up process of SWMU 22. Mr. Spaar responded that SWMU 22 will be excavated like SWMUs 10 & 11 with soil being temporarily stored on site until testing and then hauled off for disposal. Mr. Ken Herstowski stated that 26,000 tons of soil are expected to be moved from SWMU 22. It was reported that 47,000 tons of soil were disposed from SWMUs 10 & 11.

Mr. Spaar then discussed the hand-out indicating CADD measurements of acreage for all SWMUs. Ms. Michelle Burger asked if these were total perimeter guidelines and if there were clean areas within the SWMUs. Mr. Maasen stated that the acreages appear much bigger than the actual SWMUs. J. Olyer requested the total acreage of all SWMUs. Mr. Spaar responded that total acreage for all SWMUs would be provided at the next RAB meeting.

6. Ms. Judy Meier provided the following update on LTM:

Environmental Chemical Corporation

SWMU 11 and 41 – Final LTM Report has been issued by ECC and is waiting for regulator approval.
Data Summary Report – SWMU 13, 27, and 48 – Final report has been issued and is waiting regulator approval. Mr. Herstowski stated that the EPA prefers to focus on work plans to complete investigations instead of finalizing reports. The decision was made to issue a data summary report for SWMU 13 and 27 & 48 instead of an LTM because the fieldwork was not able to find the leading edge of the contamination and/or many of the locations were dry that previously had groundwater.

U.S. Army Corps of Engineers

SWMU 11 – Spring and fall sampling is complete and the results received in October 2003. The report will be available for regulator review December 2003. The final report will be issued January 2004.

SWMU 33-35 – The wells at SWMU 33/34 were sampled in May/June 2003 (one event). The results show no contamination remains. This site can be closed. Sampling at SWMU 33/35 was complete in June and September 2003. The results are being reviewed.

Since SWMUs 33 is a half tank at site 35 and a half tank at site 34. Cannot close SWMU 33 with a contamination issue still existing at the 33/35 site.

AOCs 18, 19, 20 and 21 – Sampling is complete and the Preliminary Assessment and Relative Risk Sites Evaluation (RRSE) are being completed. SFAAP would like to add AOC 1 to this report and RRSE. AOC 1 will be sampled in the near future. Mr. Maasen inquired as to why AOC 18 is so large and the past land use. Mr. Spaar responded that the land was used to store building materials. Mr. Maasen questioned why area 18 has been targeted as an area of concern (AOC). Mr. Herstowski stated that after everything was cleared there was a question of leveling the pad. Mr. Spaar responded that the EPA aerial photos and the contour of the land suggest there might be burial pits which could possibly contain contaminated debris.

Discussion of the railroad line on Sunflower followed. Mr. Spaar stated that some of the metal rail has been sold and all the rails, plates and spikes are being removed for reuse. Upon removal of these materials all the railroad ties will be sold. A request for removal will be advertised nationally and awarded to the highest bidder.

Need a solid commitment from McAllister AAP to be on plant by December 31st to remove 120 gauge line. Otherwise, it will be advertised nationally and sold before a transfer of Sunflower occurs. SpePro sells this on behalf of the Army. Mr. Terry Dunavin stated that there has been some interest in other items to be sold such as: sulphuric acid regenerator, nitric acid concentrator/sulphuric acid concentrator.

7. **Mr. Spaar stated Keith Walker was no longer with Shaw and attends only as a consultant**, and that Kevin Neal was the new Program Manager for Shaw at Sunflower. Kevin Neal provided the following update on Shaw's work at SFAAP.

Task Order 004

SWMU 22 – Funding has been received to address the propellant burning ground in FY04. Shaw has submitted a Draft Delineation Field Sampling Plan to define the lateral and vertical extent of the propellant beyond the burnings cells. Comments have been received from TRC and have been responded to, the revised work plan and SOP's will be reissued on November 17, 2003. Work is in progress for the preparation of a RA work plan for SWMU 22. The Draft Work Plan is scheduled for completion in mid-December and the field work is planned to begin in February.

Task Order 006

SWMU 2 – No action this period; Risk assessment and revised RFI to be delayed until FY08.

SWMUs 18/19, 32, 33, 34 & 35 – The TRC is reviewing final RAR. TRC review will be completed by November 30, 2003.

SWMU 32 – Completed LUST requirements with KDHE surveillance on May 13, 2003. The excavation was closed and the lead reclamation building was demolished and stockpiled for disposal by others. No further action is anticipated.

Task Order 007

SWMU 21 RFI Investigation – Shaw has completed all planned surface soil and subsurface direct push RFI characterization. Analytical showed Dioxin, Arsenic and Lead in soils, results are being evaluated; work is progressing towards preparation of a CMS.

SWMU 21 Excavation and Bioremediation Pilot Test – Site work, including stream bank restoration and seeding have been completed. Bioremediation treatment is underway and working well. Two rounds of monitoring/sampling have been completed with contaminant levels dropping with each progressive sampling event. Procedures are being established for the final sampling. Ultimately, the Army hopes to re-use this soil as backfill at other plant locations.

SWMU 14 – Phase II and Phase II Stream Study – Ian Sangster, Site Manager gave a presentation including maps about the stream study. Shaw has completed all sediment and surface water sampling. Results were provided to TRC for review in September 2003. Report is due in November 2003 and a presentation will be given to RAB. Shaw will collect samples to measure base flow conditions in streams. Results will be added to the Phase II Report.

The TRC met and discussed the preliminary scope for the Phase II Stream Study. Phase II will include sampling to conduct annual water quality monitoring from “in-drainage” and “in-stream” locations, confirm the water quality as it enters the plant and as it leaves the plant boundaries, and to target specific analytes in-stream that were detected during the Phase I Stream Study. Sampling is anticipated for Phase II this fall or spring depending on weather. KDHE will do the two offsite sampling locations. Sediment samples along F & N Lines contained arsenic long Kill Creek and 2 hits on Captain Creek; nitrocellulose was in several spots as expected (F & N Lines). The two most important areas of most concern are the old explosive waste burning ground (SWMU 22) and contaminated materials burning grounds (SWMU 21).

SWMU 1 – Draft RFI Report and QCSR issued for TRC review. Comments from TRC have been received and are being evaluated. Responses will be generated by mid-November 2003.

SWMU 39 – Draft RFI Report and QCSR issued to TRC. Comments from TRC have been received and are being evaluated. Responses will be generated by mid-November 2003.

SWMU 44 – Surface, subsurface soil samples and groundwater samples have been collected. Sample results will dictate the future groundwater sampling requirements. Data has not been validated.

SWMU 45/47 – All sampling is complete. Draft RFI is due to TRC by November 20, 2003. The SWMU 47 sump data will be archived until the RFI funding is obligated in FY 2005.

Disposal Optimization Conceptual Plan – Shaw has submitted an internal draft of the Corrective Action Management Unit (CAMU) soil repository conceptual plan to Army and USACE. Comments have been received and the Draft will be issued to the EPA and KDHE Project Managers in mid-December

Disposal Optimization Treatability Study (DOTS) – Army is conducting Site-wide Treatability Study to streamline remedial design, administrative record documents and Army decision documents. By combining sites with like Contaminants of Concern (COCs) and media the Army may be able to accelerate the remedial design phase for each site, and obtain concurrence from EPA on an approved treatment matrix for each site that has similar chemical characteristics. Ms. Burger inquired as to what the draft report on CAMU recommends. Mr. Spaar responded that it involved general cost savings and an accelerated program. Once the report has gone through all the channels and the final report is issued it will be public record.

Task Order 008

Task Order 008 is currently funded to execute RFI Investigations for SWMUs 10, 13, 20, 27, 38, 41, 48, and 52, and to prepare planning documents for SWMUs 3 and 14. Additional funding has been allocated to complete a site-wide explosive safety assessment, database consolidation, and development of a data delivery system at Sunflower.

Draft Work Plans for SWMUs 3 and 14 have been submitted for TRC Review. Field investigation soil sampling work has been initiated at SWMU 20 and 38 and two of three phases completed at SWMU 52. Similar work is planned for SWMUs 10, 3 and 14. Field investigation for other SWMUs will be completed in FY04.

LTM field work for SWMU 41 is scheduled to proceed in the fall. Lack of groundwater precludes completion of SWMUs 13, 27 and 48 RFI sampling. Plans will be revised to incorporate TRC comments with spring target completion for sampling.

Site-Wide Explosive Safety Assessment – A site-wide explosive characterization sampling plan is being developed to identify concentrations of explosives that prevent further environmental investigation and remediation. The draft plan is anticipated by mid-January. J. Meier elaborated on the safety issues of dealing with potential explosives and the care taken with developing procedures. The land needs characterization before it can be transferred..

8. ***Mr. Spaar called for new business.***

Mr. Ken Herstowski, EPA discussed the letter received from Polsinelli/Shalton/Welte on behalf of a potential developer for SFAAP. The letter requests the withdrawal of the EPA's proposal to add the former SFAAP to the National Priorities List. (NPL) Mr. Herstowski stated that the process was open and conclusive and there would be future time for documentation and comments before a final decision is made. The nomination was made February 13, 1995. Previously all federal facilities were scored. Since 1997 the policy has changed and no longer requires sites to appear on the NPL list because of scoring. They can be put on the list if something else is controlling the clean-up such as the hazardous waste permit at Sunflower. If that permit were to end it wouldn't have to be on the NPL. Mr. Spaar stated that the priority funding is based on immediate risk to human health. Mr. Oyler asked about RCRA. A Federal RCRA permit transfers to new owners and they in turn are responsible for clean-up.

Ms. Katie Hopkins asked for clarification on accelerating clean-up. Mr. Spaar responded that a developer can pay more money to the KDHE for more staffing to have the process accelerated. The Army has it scheduled until 2014 and has a very constrained budget. But the degree the clean-up can be accelerated is controlled by other factors besides available funds and labor. Procedural organization is the key to clean-up, as not all issues can be completed simultaneously.

Mr. Herstowski also responded that there are two types of budgets – constrained and unconstrained. Mr. Spaar stated that constrained funds are limited by Congressional budget. Mr. Price questioned what happens to long-term monitoring if property is transferred. Mr. Maasen responded that it must be continued by the developer as well as any remaining investigations. Mr. Herstowski reiterated that no decision has been made regarding the letter.

Extra staffing must be paid to the State by the developer Army doesn't inspect if work is done by an outside developer. The developer must pay the State to oversee it. When the Army has the work the Army pays the State to oversee.

9. The next RAB meeting will be held on January 7, 2004 (the first Wednesday of the month) at 6:00 p.m. in the Clearview City Ball Room.
10. Mr. Spaar announced that the agenda for the next meeting would remain the same, with the following addition:
 1. Database Presentation
11. Meeting adjourned at 7:18 p.m.