

Final Meeting Minutes
Restoration Advisory Board (RAB) Meeting
Sunflower Army Ammunition Plant (SFAAP)
Wednesday, January 7, 2004

1. The thirty-fifth RAB meeting was held on Wednesday, January 7, 2004, in the Clearview City Ball Room. Copies of the agenda and sign-in sheet are attached. Mr. Tony Spaar, the Commander's Representative at SFAAP and Army RAB Co-Chair, called the meeting to order at approximately 6:05 p.m. Introductions were made around the room.
2. Mr. Spaar then asked for comments regarding the draft minutes from the November 5, 2003 meeting. Mr. Tom Price moved that the minutes be approved as submitted, seconded by Mr. Dave Rhodes. Minutes approved without change.
3. **IRP project updates**
FY04 Obligation Plan

Ms. Judy Meier stated that everything had been executed that was planned for the 1st Quarter of FY04.

SWMU 03, SWMU 10, and SWMU 14 - Funds received to do field work and reports for all SWMUs. The work plans are in the draft stage, with comments coming in and final reports to be issued. We have not received funding for the field work on SWMU 10 F-Line.

Other actions coming up in the future quarters are SWMU 1 interim removal action, SWMU 20 to modify the remedial design, SWMU 21, funding to do a CMS, SWMU 25 funding to start Remedial Investigation, SWMU 53 funding for Remedial Investigation. These are all for this year. We are also working on being in position for funding on 14 other SWMUs should additional funds become available.

Corps of Engineers' Update

Ms. Meier indicated that the Corps is working on the four following actions:

SWMU 11 – Close the ponds on the F-Line – LTM sampling was completed this fall. Report has been written and is in internal QC review. Final report out in March.

SWMU 33-35 The ponds & half tanks at the nitroglycerine and nitrocellulose paste/mix areas -Ponds have been excavated, half tanks removed, and excavation completed around them. The USACE requirement was to monitor the wells. They were sampled last spring and two of them again this fall. The results are in and are being compared to previous year's sampling events, and a recommendation will be completed. There were SVOC and lead concerns. SVOC's have been eliminated and lead is the only remaining issue, most likely as a result of the turbidity of the samples. Installation of a new monitoring well may be required to get groundwater samples that are not turbid.

SWMU 50 - The report of the 2003 Inspection is completed. The report is final. Re-inspection is scheduled for February 2004.

AOC 1, 18, 19, 20 & 21 and SWMU 66 – SWMU 66 is the study of Captain Creek, Kill Creek, Spoon Creek and Hanson Creek, - it was funded under SWMU 14. A relative risk evaluation will be done to allow the site to be scored. This will determine whether it is entered into the Army database which will allow for additional funding.

AOC 1, 18, 19, 20 & 21 - USACE is performing relative risk assessments on AOCs 18, 19, 20 & 21 located adjacent to SWMU 1. Once completed these will be scored and entered into Army database and proceed with additional funding if required. AOC 1 is a monitoring well that has been sampled. It will also be scored and put through the above process.

Shaw update of ongoing work

Task Order 004 - The Draft Final Delineation Field Sampling and Analysis Plan was submitted to the TRC and approved. Remote sampling in the nitroglycerine slums area currently underway. The Remedial Action Work Plan for SWMU 22 was submitted and comments expected back by end of January 2004. Field work to begin the end of February 2004.

Task Order 006 - The final remediation action report has been submitted for SWMUs 18/19, 32, 33, 34 & 35 and the project is in the close-out stage. SWMU 2 will be moved to possibly Task Order 008 and is currently scheduled for FY08.

Task Order 007 - Bioremediation of contaminated soils on hold until warmer, dryer weather. *SWMU 21* - RFI Investigation has been completed as planned. Sampling and analysis are complete. The CMS is currently being completed for a February 2004 submittal.

SWMU 14 - Phase I Stream Study has all sediment and surface water sampling completed. November base flow sampling in - waiting on validated results. Phase II Stream Study will include sampling to conduct annual water quality monitoring for "in-drainage and "in-stream locations, confirm the water quality as it enters and as it leaves the plant boundaries. There are approximately four up and down stream locations to be sampled after two or three significant rains. Plan to target specific analytes in-stream that was detected during the Phase I study. Spring sampling is planned pending weather conditions.

SWMU 1 - Draft RFI for the Classification Yard submitted, have comments in and responses are complete. Will be revising work plan as Draft Final.

SWMU 39 - Draft RFI Report and QSCR has been submitted. TRC comments complete and responses done. Responses to TRC comments will be submitted first part of February.

Mr. Olyer inquired as to Koch cleaning up the arsenic hits in ditches leading from south acid area. Mr. Tony Spaar responded that Koch Industries, Inc. would be doing the demolition/removal at the south acid area of any tanks or buildings that they previously rented. Koch will have some mercury and elemental sulfur clean-up to do. The Army will then clean up any remaining area as necessary since any remaining contamination was the result of the Army operating the South Acid Area for 40 years prior to Koch's operations.

SWMU 44 - Holding Tank - Surface, subsurface soil and groundwater samples have been collected and analyzed. Draft report to be completed and sent to TRC by end of January 2004.

SWMU 45/47 - Sampling complete on calcium cyanamide conveyors and Building 9040 sumps. Draft RFI addendum completed and waiting on comments from Regulators due in February 2004. The SWMU 47 sump data will be archived until the RFI funding is obligated for FY 2005 (completion of the SWMU 47 sump investigation - 19 remaining sumps).

Disposal Optimization Conceptual Plan - Shaw submitted a draft of the CAMU soil repository conceptual plan to the TRC in December. Comments are expected back from the EPA and KDHE mid February.

Disposal Optimization Treatability Study (DOTS) - Army is conducting Site-wide Treatability Study to streamline remedial design, administrative record documents and Army decision documents. Site wide plans have been completed and due to go out January 9, 2004. Work is expected to begin in March 2004 and be completed by August 2004.

Mr. Spaar clarified to Mr. J. Olyer the relationship between the CAMU and Treatability Study Plans. Mr. Olyer asked how many sites would be used if disposed on site. Mr. Spaar responded that there would be only one soil repository. Ms. Meier stated that the soils would come from several different SWMUs for treatment and placement in a single soil repository.

Ms. Lisa Larsen asked if there had been any outside opposition. Mr. Spaar stated that the only outside opposition he had received had come from the county commission and a senator. Everyone else that had contacted him has been behind it.

Ms. J. Meier stated that the culmination of the DOTS and CAMU study would be a site-wide Statement of Basis issued by EPA for future planning and would expedite the total process. Mr. Olyer asked how many acres were involved in the disposal location. Mr. Spaar responded there would be approximately 17-23

acres. He stated that work is not being held up pending a transfer by Johnson County. That if a transfer were to go through, KDHE would have an agreement/consent order with the developer for cleanup. Dr. Randy Carlson, stated that if a transfer were to happen KDHE would update the existing consent order to be passed to the new developer. They would be under the same agreement, except that it would have to be re-evaluated for the CAMU. Mr. J. Olyer asked about deed restrictions on the landfill/dump areas. Dr. Carlson replied that currently JoCo wants everything is to be cleaned up to residential standards except the four existing landfills. Ms. Cindy Kemper of JoCo Environmental, stated that the Commission understands the site will be cleaned up to residential standards and the trash dumps remaining with deed restrictions. Mr. Dean Palos, JoCo Board of Commissioners stated the Board has not taken a position on what the standards will be until an agreement is reached and signed – only that the Board expects it to be cleaned up to the highest standards.

Task Order 008

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

Field investigation soil sampling work has been completed at SWMUs 20 and 52.

Ms. Meier stated that funds have been received from the ITS lawsuit to cover re-sampling of SWMUs 20, 44 & 52.

Sampling has started at SWMU 38 and is expected to be completed mid January 2004.

Field work is planned to begin at SWMU 10 by the end of January. Sampling will be done in the upper ditches and around upland building foundations. The draft final work plan has been submitted - awaiting comments. AOC 6 is being handled under SWMU 10.

Field investigation for SWMUs 3 and 14 are scheduled for April 2004. Plans have been submitted and are expecting comments back shortly.

Lack of groundwater at LTM sites SWMUs 13, 27, 41 and 48 is delaying sampling. Spring sampling is the current target.

Site Wide Explosive Safety Assessment - A site-wide explosive characterization sampling plan is being developed to identify if concentrations of explosives exist that might prevent further environmental investigation and remediation. After SWMU 22 is sampled and it is demonstrated that areas can be sampled remotely and safely Shaw will complete the draft Explosive Safety Assessment plan and begin sampling Summer 2004. Draft plan is scheduled for mid February. Mr. Spaar stated that specific sites have been picked which will assess all major potential safety issues from fence to fence. This information can then be used to proceed with other sites and expedite the processes.

Database -

Historical data has been integrated into the database. Data will continue to be added as generated from ongoing field activities. Conversion and loading of data from Shaw to Army is on going.

4. Mr. Spaar then called for new business.

Ms. Meier stated that she had received a promotion and would be leaving the SFAAP project. Mr. Mark Keast was introduced as her replacement effective January 16, 2004.

Mr. Spaar informed the Board that the IAP Workshop would be held on January 14 -16, 2004 at the Eldridge Hotel in Lawrence. Mr. Gifford Knapp will represent the RAB at the IAP workshop.

5. Mr. Spaar asked for questions from the floor.

Mr. Olyer inquired as to how many trash dumps were capped. Mr. Spaar explained that there would be five areas with deed restrictions comprised of SWMUs 18, 19, 41, 42, & 50. Mr. Rhodes questioned how long restrictions would last. Mr. Randy Carlson responded that they would be there forever. Mr. Spaar stated there would be land use controls in place for, erosion, maintaining cover, vegetation, etc. Mr. Herstowski

responded that there are permits and easements in place for these areas and they have to be maintain accordingly, If changes were to be requested they would have to be re-evaluated before any land use changes would be made.

Mr. Doug Dowell , a potential developer, asked about the development of capped sites that can't be developed unless cleaned up to residential standards. Mr. Spaar responded that those sites could possibly be used for green space. Mr. Dowell asked if the IAP workshop was a public meeting. Mr. Spaar answered that the meeting was not open to the public, but that the IAP is a public document that can be viewed on the internet. Mr. T. Price wanted to know how close one could excavate to a capped SWMU. Mr. Ken Herstowski stated that people could excavate up to the edge of the cap.

Funding for FY05 and 06 will probably stay at same level as 04. Funding for FY07 and 08 could increase according to Mr. Spaar.

AEC sent out a memo indicating Army installations will be investigated for performance-based contracting (fixed price). SFAAP is scheduled to be looked at in 2005, with 80% of all Army installations done by 2007. An early transfer of SFAAP could make this option unnecessary. TERC contract would not continue if performance-based contracting is awarded.

6. The next RAB meeting will be held on March 3, 2004 (the first Wednesday of the month) at 6:00 p.m. in the Clearview City Ball Room.
7. Tony Spaar announced that the agenda for the next meeting would remain the same, with the following addition:
 - Item #3 – Add IAP Workshop update.
8. Meeting adjourned at 7:22 p.m. and opened up to non ER,A updates and questions.