

AGENDA  
ANNISTON ARMY DEPOT  
RESTORATION ADVISORY BOARD  
May 1, 2000  
Calhoun County Administrative Building

Introductions	Dr. Barry Cox
Roll Call and Approval of Minutes	Dr. Barry Cox
Well and Spring Inventory Update	Susan Abston
Update of Ongoing Activities	Susan Abston
RAB Administrative Issues	All
Agenda for Next Meeting	All

**ANNISTON ARMY DEPOT  
RESTORATION ADVISORY BOARD  
JANUARY 24, 2000  
CALHOUN COUNTY ADMINISTRATION BUILDING  
ANNISTON, ALABAMA**

The meeting began at approximately 6:00 PM. with co-chairperson, Dr. Barry Cox calling roll. RAB members reviewed and approved the minutes of December 6, 1999.

After visitors and contractors introduced themselves, Susan Abston provided an update on the well and spring inventory.

Ms. Abston provided information packets to accompany her presentation of the well and spring inventory. In phase one of the two-phase inventory, property owners were contacted and fourteen wells were identified as being used as primary sources of drinking water. Thirteen wells on Turner Road were sampled for volatile organics and all came back as non-detects for the volatile organics. A fourteenth well was identified on Self Road, however the landowner would not give permission to sample his well. When EPA returns to resample the thirteen wells, they will request permission of the landowner of the fourteenth well to allow them to sample.

Eight other wells were identified for other purposes than drinking water to include watering the garden and filling swimming pools. EPA will also sample the additional eight wells. Tentatively, the EPA will be testing the wells within the first two weeks of March.

Work has begun on Phase 2 with tax assessor's maps having been collected. There are more than one thousand parcels in the area. They are in the process of acquiring some of the long distance numbers and have started calling to identify well and spring locations. The number of springs and wells will be identified and then the partnering team will develop a sampling plan to determine where the sampling will be conducted.

The next topic covered by Ms. Abston was SWMU-12, the old 414 lagoons. Handouts accompanied this presentation as well. Ms. Abston then explained some of the technologies that are being looked at for completion of clean up at this site, as was requested at a prior meeting. Previously the lagoons were drained and most of the sludge dug up and moved. Then hydrogen peroxide was injected into the soils, for soil clean up above ground water in the unsaturated zones. This has worked well throughout the site except for approximately two thousand cubic yards that continue to be above the cleanup level of forty-one parts per billion for TCE. Alternatives are being reviewed for these remaining two thousand cubic yards. The levels are dropping with the hydrogen peroxide but are still above the action limits. Three methods being looked at are: 1.) dig and dispose of off-site 2.) dig and treat above ground and then replace 3.) other in-place treatments. Other in-place technologies

include the continuation of the hydrogen peroxide injections and thermal treatment or six-phase heating. It appears that the hydrogen peroxide being injected through the injectors has developed preferential pathways, which means it keeps going back to the same spot where it already treated and not getting out to where it is needed.

Thermal treatment, an innovative technology as well, combines thermal heating and vapor extractions. Electric probes are put down into the soils and these probes heat the soils very slowly until the point the TCE actually vaporizes, becomes a gas. An extraction system would collect the gases in order for them not to be released into the atmosphere. Then the gases would be treated with a carbon scrubber. The process will take several months to accomplish. It looks very promising and is working in several other sites that have been visited and is relatively inexpensive.

There will be a partnering meeting (Army, EPA Region IV, and ADEM) Wednesday, January 26, 2000 where there will be continuing discussion of remediation alternatives. The remediation cannot begin until the groundwater hot spot treatment is completed. It is estimated that by September, 2000 the remediation may begin.

Currently, hydrogen peroxide is being injected into the ground water, the top of bedrock ground water and doing the same as was done with the soils to destroy the TCE. This must be completed before doing anything with the soils.

Discussion followed with questions as to whether the hydrogen peroxide going directly into the water is working. They are getting a good burn and will have better numbers after the sampling. It is an innovative technology. It has been used before but this is only the second karst site where it has been used. Another possibility is to put in new injectors to reroute the pathways of the hydrogen peroxide.

Thus far about five million dollars has been spent on this cleanup of the soils at SWMU 12. The cost vs. type of continuing cleanup will be monitored. Mr. John Baehr indicated that there would be a fixed price contract, which would guarantee a ceiling on cost for the cleanup. The cleanup would continue until the standards are met.

Mr. Tim Garrett was not able to be in attendance and had sent a note regarding his questions and concerns, many of which were along the lines of those asked/discussed earlier in the meeting.

In reviewing the handouts Ms. Abston provided, it was noted that significant progress has been made on cleanup. This discussion closed with recalling for the board that the current three strippers being used will be replaced by the new groundwater treatment system being built. All of the water from the Depot will continue to be pumped through the same network

of pipes, but instead of being treated individually, will all go to the centralized treatment system and all be treated there rather than at three separate units.

In regard to administrative matters, Ms. Abston shared the list of information intended for the ANAD web site, specifically the ANAD RAB web page. Suggestions were encouraged. With the suggestion of Mr. Sudweeks of ATSDR, the EPA, ATSDR, and ADEM will also be linked to this site. The site will also include all of the past minutes, the charter, publishable membership information, a fact sheet, FAQs, the Administrative Record Index, where the AR is located, a list of acronyms, and an application for membership on the ANAD RAB Board. There will be a scrolling marquee at the site to inform people of the date, time and place of the next meeting.

The issue of non-attendance was raised and a motion made and seconded to terminate the membership of those who have never attended a meeting. Joan McKinney Associates will draft a letter to this effect for Dr. Cox's approval and signature. An agenda item for the next meeting will be discussion of those who have missed three or more meetings, and replacement of board members.

A tentative meeting schedule for the remainder of year 2000 was presented with only the July meeting date being in question at this time. The date of the July meeting has been changed to July 10, 2000.

The next meeting of the ANAD RAB will again be at the Calhoun County Administration Building with Commissioner Eli Henderson hosting a BBQ at 5:30 PM, prior to the 6:00 PM meeting time.

## RAB ATTENDEES-JANUARY 24, 2000

### **Members Present:**

Boydston, Jack  
Bryant, Echols  
Cox, Barry  
Frazier, Walter  
Hayes, Aaron, COL  
Henderson, Eli  
Landholm, Dawn  
Lay, Charles  
Leatherwood, Helen  
Livingston, Wayne  
Parker, Roosevelt  
Randolph, Christopher  
Roberts, Jerry  
Smith, Garrett

### **Members Absent:**

Baucom, Thomas  
Champ, Delois  
Conroy, Pete  
Garrett, Tim with regrets  
Harrington, Mary  
Hutchinson, James  
Jenkins, Julian  
Roberts, Cassandra  
Senn, Greta  
Snow, Willie Maude  
Stephens, Roy  
Thomason, Shane called with regrets

### **Non-Members Present:**

Baehr, John, U.S. A.C.E.  
Goldberg, Patsy  
Harper, Paul, Director Risk Management  
Holder, Johnny  
Holland, Dwight  
Jones, Greg, ANAD Risk Management  
Mellon, Eve  
Mellon, Lawrence  
Pearce, Aaron  
Pearce, Sue  
Shultz, Lori  
Starling, Mickey, Attorney, ANAD  
Sudweeks, Scott, ATSDR  
Vest, Matt