

40-8902

CONTRACT: DE-AC13-95GJ87335  
TASK ORDER: 96-05.06  
3100-

MEMO TO: File

FROM: M. P. Plessinger, C. S. Goodknight

DATE: October 4, 1996

SUBJECT: GJPO Visit to the Recently Completed ARCO-Bluewater Title II Disposal Site

*Copy to Fridley/KF  
Copy to Gillen/Hansen*

On September 24, 1996, C. S. Goodknight and M. P. Plessinger of MACTEC-ERS toured the ARCO-Bluewater Title II disposal site, at which reclamation was recently completed. After completing the site tour a close out meeting was held at the offices of AVM Environmental Services in nearby Grants, New Mexico, to discuss resolution of outstanding issues.

The following individuals attended both the tour and the close out meeting:

Nat Patel of AVM Environmental Services,  
Chris Sanchez of Anderson Engineering,  
Rick Tate of Anderson Engineering,  
Craig Goodknight of MACTEC-ERS,  
Mark Plessinger of MACTEC-ERS.

AVM Environmental Services and Anderson Engineering are under contract to ARCO to close out the final issues at the site.

The site is in excellent condition at this time. Photographs and a photograph log are attached. Photograph number 1 shows a typical property boundary monument as installed by the land surveyor retained by ARCO to survey the final boundaries of the property to be transferred. The monument is equivalent to UMTRA-Title I boundary monument quality.

Photographs 2 through 5 are a panorama of the top of the main tailings disposal cell. The footprint for this disposal cell is about 300 acres, with the top slope being approximately 265 acres.

Photographs 6 and 7 show the carbonate tailings disposal area as seen from the top of the main tailings cell. Photograph 8 is a view from east of the tailings disposal cells. In photograph 9, an electric substation and some of the utility rights-of-way on the site can be seen. Photograph 10 shows a typical gate arrangement for accessing a utility right-of-way from the site perimeter road.

170060

9610170253 961004  
PDR ADOCK 04008902  
C PDR

*1/1  
MPS*

Photograph 11 shows an ephemeral lake that has overtopped the site perimeter road in the east part of the site. It had been an abnormally rainy summer and this lake was reported to be at its highest level in 15 or 20 years.

During the close out meeting the following items were discussed and clarified:

1. ARCO will produce a final topographic map for use with the LTSP.
2. The final survey plat will show all property monuments and rights-of-way.
3. C. S. Goodknight will check the completion report to see which well completion logs are missing. ARCO will provide copies of any missing logs.
4. Nat Patel will provide a PCB monitoring cost estimate for GJPO reference (estimate received, 10/2/96).
5. The position of the site marker (tombstone) was finalized. The marker will be set at a well-traveled access point between the carbonate and main tailings disposal cells. The GJPO provided ARCO with construction specifications for the marker. ARCO will provide survey coordinates for the marker.
6. The final installation and positioning for warning signs was discussed and settled. In general, signs will be placed at access gates around the site perimeter. Additionally, signs will be placed at 500 ft. intervals around the disposal area. Signs will be mounted on nominal 2 1/2-inch steel pipe set in concrete.
7. ARCO will produce a final "inspection" drawing, showing the positions of all boundary monuments, other survey monuments, the site marker, warning signs, disposal cells and all other engineered features, fencing, rights-of-way, and roads, all superimposed on the site topography (2-foot contour interval). The contours will be shown lightly, as background to the engineered features.
8. ARCO agreed to abandon all monitor wells that are not required for post-closure monitoring, pending State approval of the termination of ARCO's discharge permit.
9. Regarding the August 28, 1996, NRC letter to ARCO requiring further ground-water sampling and analysis prior to license termination, the monitoring is scheduled for October 1996 with the results available in November 1996.

mp/oeb  
Attachment

Memo to File  
Page 3  
October 4, 1996

cc: O. Beyer  
R. Bowen  
C. Jacobson  
C. Jones  
J. Virgona, DOE/GJPO  
W. Wilkinson

## Photograph Log

<u>Photo</u>	<u>Description</u>
1	Typical property boundary corner set at the southeast corner of the site property, RM Property Corner 22.
2	Panorama of top of main tailings pile, southwest corner, view northwest
3	Panorama of top of main tailings pile, southwest corner, view north
4	Panorama of top of main tailings pile, southwest corner, view northeast
5	Panorama of top of main tailings pile, southwest corner, view east-northeast
6	View southwest of thumb area of carbonate tailings pile from southwest corner of top of main tailings pile
7	View south of main carbonate tailings pile from southwest corner of top of main tailings pile
8	View west-southwest from survey marker ME-13 on top of hill of San Andres Limestone toward the main tailings pile (right) and the carbonate tailings pile (left)
9	View south from U.S. Coast and Geodetic Survey marker on top of hill of San Andres Limestone toward utility rights-of-ways and electric power substation
10	View southwest from utility right-of-way of gate along site perimeter road and main tailings pile about 1.2 miles in distance
11	View east along site boundary fence and perimeter road in east part of site of high level of ephemeral lake (highest in 15 to 20 years) caused by heavy August and September rains





