

MAR 4 1987

WM-72/MH/2/11/87

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MEMORANDUM FOR: Dan E. Martin, Section Leader
Uranium Recovery Projects Section
Low-Level Waste and Uranium Recovery
Projects Branch

FROM: Mark Haisfield, Project Manager
Uranium Recovery Projects Section
Low-Level Waste and Uranium Recovery
Projects Branch

SUBJECT: TRIP REPORT - UMTRA SITE VISIT TO THE SPOOK, WYOMING SITE
JANUARY 14-16, 1987

Participants:

Eric Banks, TAC
Ron Rager, TAC
Sandy Beranich, TAC
Milt Scoutaris, DOE
Gary Beach, Wyoming
Ed Sadler, Wyoming
Roy Spears, Wyoming
Bob Henicks, RAC
Mark Haisfield, NRC

Purpose:

The above met at Douglas, Wyoming to discuss how DOE and the State of Wyoming will coordinate cleanup at the Spook site. The site included a large open pit. The plan is to put the tailings in the bottom and then to backfill the pit with stockpiled overburden. DOE will be responsible for the tailings and the State, under their Abandoned Mine Lands Program, for the backfill.

To meet the needs and schedules of DOE, the State, and NRC, a well coordinated program is required. This meeting was to start the process of determining who would do what and when. For example, it was decided to try to have one NEPA document. DOE and the State would each work on different sections. The enclosure identifies their respective responsibilities. Also it was decided to try and use one bid package (one contractor for the whole job) to save time and money.

WM Record File _____

WM Project 72

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Observations at the site:

- ° There was no observed water or even dampness at the bottom of the pit;
- ° The pit is much larger than the tailings quantity;
- ° Gullying was observed at one corner of the pit;
- ° Trees and grass were growing at the base of the pit;
- ° About 5 mine shafts are at the bottom of the pit;
- ° The site is flat with some hills, and has sparse vegetation. The land is used for range cattle; and
- ° There were no residents within eyesight.

ORIGINAL SIGNED BY

Mark Haisfield, Project Manager
Uranium Recovery Projects Section
Low-Level Waste and Uranium Recovery
Projects Branch

Enclosure:
As stated

Enclosure

MEMO TO FILE

Attached are the minutes of the January 15, 1987, meeting held in Douglas, Wyoming, during which was discussed combining the UMTRA and AMC projects for the Spook site.

3 Enclosures:

1. Meeting Summary
2. Action Items, Completion Dates, & Assignments
3. Spook Site Plan

ML:Minutes

W. J. Swanton
Feb 24, 87

File Doc. Cont.

Attachment 1

Summary

The UMTRA/AML Spook site meeting convened at approximately 8:30 a.m., January 15, 1987, at the Douglas Holiday Inn. Attendees were:

Gary Beach	Wyoming/AML
Ed Sadler	Wyoming/AML
Roy Spears	Wyoming
Mark Haisfield	NRC, Washington, D.C.
Milt Scoutaris	DOE/UMTRA
Ron Rager	TAC/UMTRA, Engineering
Sandy Beranich	TAC/UMTRA, NEPA
Eric Banks	TAC/UMTRA, Site Manager
Bob Henicks	RAC/UMTRA, Engineering

COMBINED AML/UMTRA SPOOK PROJECTS

The meeting coordinated and combined the schedule, characterization, design, and construction efforts of the future UMTRA/AML joint remedial action at the Spook site. The AML program is funded by a U.S. Office of Surface Mining grant which has a maximum three-year life once it starts. Coordination of the two projects is critical to obtaining cost efficiencies. The current AML program calls for design in 1987, construction in 1988, and site monitoring in 1989. The earliest the UMTRA construction can be completed is 1989, accelerated from a scheduled 1991 completion. This is one year later than the State's originally requested 1988 completion. The State accepted the UMTRA schedule, and suggested the two remedial actions be done under a single DOE contract. Everyone agreed. The State will submit their AML design with the UMTRA design to NRC since the AML design impacts the DOE's UMTRA license. The RAC will perform the construction contract management with the State retaining review authority. Construction costs would be divided according to the respective bid schedule prices.

DIVIDED RESPONSIBILITIES

The UMTRA Program will assume the responsibility for the cleanup and disposal of all in-place and windblown tailings, the acid-leach ditches and evaporation ponds, processing facility debris, and the ore stockpiled along the site's northern perimeter. The State will backfill the pit and provide final grading. The material quantity determinations will be the responsibility of each respective agency. The NRC requested the "cleanest" of the overburden material be placed in the upper 10 feet of pit backfill. The decontaminated undisturbed soil adjacent to the pit will be considered background for the site. DOE will share the ground-water characterization and evaluation results. Initially we will assume that the ground-water will not rise to the backfill or tailings levels. The State will be notified if it should. The State will complete the title search for all land ownerships involved. They will determine the mineral rights ownership

of the ore stockpiled along the northern perimeter of the site, and obtain the necessary disposal permission for DOE. The DOE will notify the State when to begin the appraisal process for acquiring DOE's portion of the pit. The appraisal would be handled under one action containing two reports: 1) tailings area for DOE, 2) the pit area for AML. Appraisals costs will be divided proportionally and cost shared accordingly. The State will do all wildlife surveys. The TAC will be responsible for the Class III archeological survey. The DOE is currently investigating the feasibility of combining the EAs that are required for the AML and UMTRA Projects. Formal approval for the combined document is pending.

ACCESS TO SITE

The DOE has finalized an agreement with Mr. Kirk Hornbuckle for characterization access to the Spook site from the south. The State has oral permission from Mr. Hornbuckle for the same access. Presently neither the DOE nor the State have a remedial action agreement with the Hardy ranch for access from the north. Their superior shorter road is preferred for the heavier use remedial action traffic. The Hardys desire to deal with the DOE and the State of Wyoming separately, and they expect payment from each agency. The amount would be a function of the anticipated traffic from each program. Access using the Hardy's road must be resolved by August 1987.

MEETING MOVED TO SITE

All attendees drove to the Spook site. The DOE will provide a plan view, preliminary elevations, and as much preliminary conceptual design information in the upcoming final CADSAR as is possible. The State feels that public meetings are not necessary, for the remoteness of the site would result in a lack of public interest and efforts to organize a Task Force would not be fruitful. The DOE will decide whether or not to hold public meetings.

MEETING WITH SEQUOYAH FUELS

The State representatives with M. Scoutaris, and E. Banks met with Mr. Ernie Orrell of Sequoyah Fuel Corporation to discuss his project concerns. Sequoyah Fuel owns the mineral rights along the eastern portion of the Spook site. Mr. Orrell asked that we not disturb the corner claim stakes and borehole markers. Mr. Orrell gave E. Banks a copy of a map showing these markers and requested an on-site meeting when the snow melted, to point out these markers. E. Banks told Mr. Orrell that the markers would probably be destroyed during remedial action, but that the DOE or the State would resurvey the markers following construction.

End of meeting summary.

Attachment 2

AML/UMTRA SPOOK SITE *
SUGGESTED MILESTONE ACTIVITIES, DATES, and RESPONSIBILITIES

Activity	Date Required	Responsible Program	
		AML	UMTRA
1. Call meeting with DOE, TAC, Wyo/AML, AML design contractor	03/07/87	P	
2. Complete UMTRA preliminary conceptual design (fCADSAR)	03/09/87		P
3. Transmit current construction contract "boiler-plate" to State	04/01/87		P
4. Radiological characterization			
- tailings (in-place)	04/01/87		P
- tailings (windblown)	04/01/87		P
- ore (northern piles)	06/10/87		P
- overburden	05/01/87	P	S
5. Complete fact sheet for NEPA process	05/01/87	P	P
6. Raptor survey	06/01/87	P	S
7. Geological characterization			
- geomorphological/drainage	06/01/87	P	S
- seismic	06/01/87		P
- geologic	06/01/87	S	P
8. Threatened and endangered species survey	06/10/87	P	S
9. Class III archeological survey	06/10/87	S	P
10. "Notice to Proceed" given to State for process site acquisition	06/10/87		P

P - indicates primary responsibility

S - indicates secondary responsibility

Activity	Date	Responsible Program	
	Required	AML	UMTRA
11. Verify ownership and disposition of ore stockpiled along the northern perimeter of the site	06/10/87	P	
12. Access agreement with Hardy ranch for remedial action	06/15/87	P	P
13. Ground-water characterization			
- ground-water fluctuation	06/15/87	S	P
- gradient direction	09/01/87		P
- contaminate plume	09/01/87		P
14. Geotechnical characterization			
- tailings (in-place)	06/01/87		P
- tailings (windblown)	06/01/87		P
- overburden	06/01/87	P	S
- pile foundation	06/01/87		P
15. Complete and issue draft EA	07/31/87	P	P
16. Complete draft Remedial Action Plan (RAP) with conceptual design	07/03/87	S	P
17. Formal review of dEA	10/02/87	P	P
18. Formal review of dRAP	10/02/87	P	P
19. Complete process site appraisal	12/07/87	P	
20. Complete preliminary design	01/29/88	S	P
21. Formal review of preliminary design	03/22/87	P	P
22. Finalize design	05/31/88	P	P
23. Formal review of final design for NRC license	07/05/88	P	P

P - indicates primary responsibility

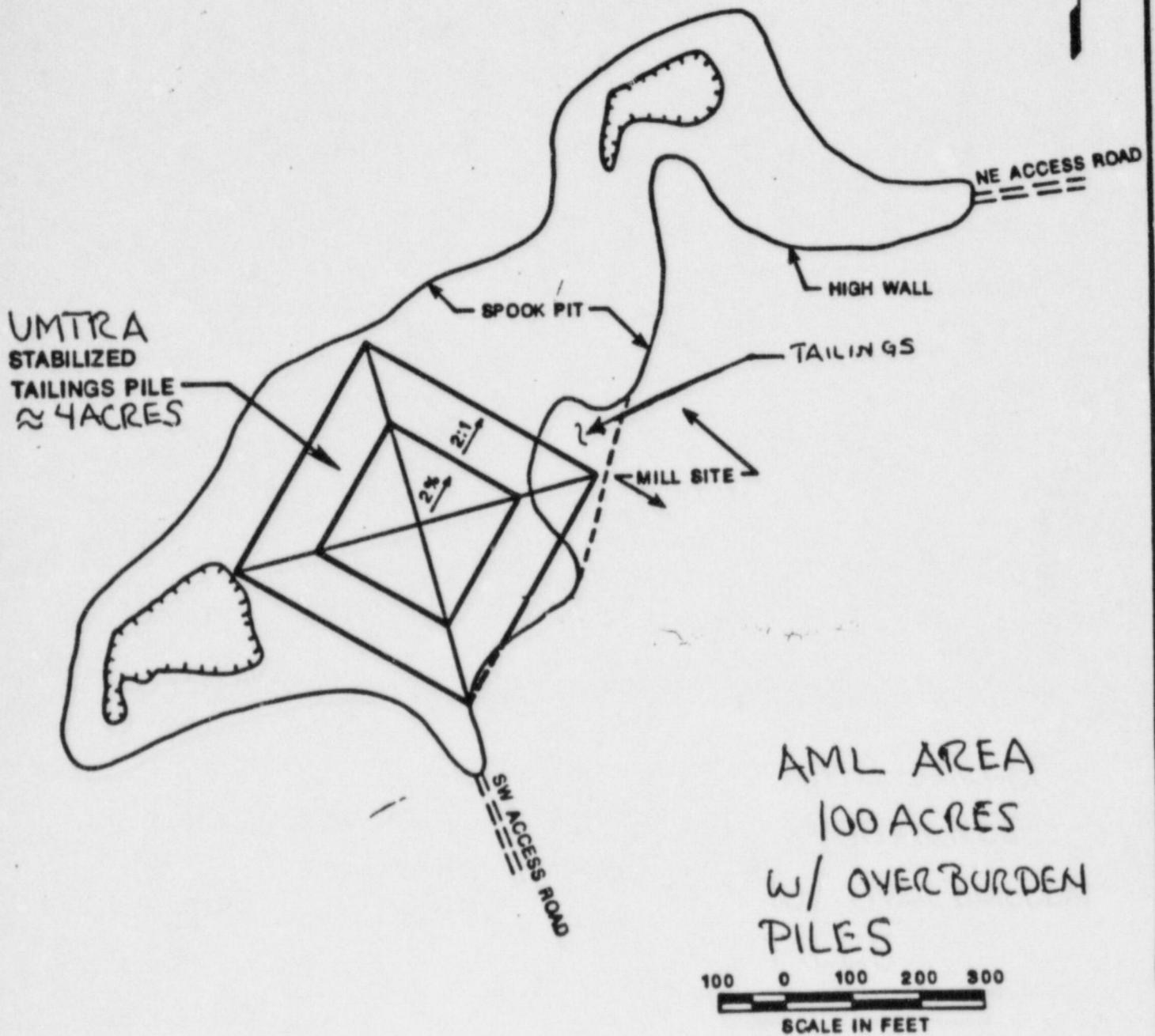
S - indicates secondary responsibility

Activity	Date	Responsible Program	
	Required	AML	UMTRA
24. Remedial action	03/16/89		
- 90% standard Proctor compaction of backfill		P	S
- Cleanest material placed in upper 10 feet of backfill		P	S
- Eliminate surface ponding		P	S
- Surface drainage channelization and erosion protection as needed		P	S
- Disposal of stockpiled ore located along site's northern perimeter			P
- Construction contract manager		S	P
- Disposal of tailings, acid evaporation pond material, process site debris			P
25. Survey of Sequoyah Fuel's existing corner claim and borehole stakes	10/01/88 and 10/01/89	unresolved	
26. Public Meetings	unresolved	unresolved	

P - indicates primary responsibility
S - indicates secondary responsibility

*This listing originated, in part, from the January 15, 1987 meeting with State of Wyoming, DOE, NRC, TAC, and RAC.

ATTACHMENT 3



DRAFT

FIGURE
SPOOK STABILIZATION ~~IN PLACE~~
ON SITE