

OAK RIDGE NATIONAL LABORATORY MONTHLY REPORT TO
THE FUEL PROCESSING AND FABRICATION BRANCH
DIVISION OF FUEL CYCLE AND MATERIAL SAFETY

October 1978

A. Environmental Assessment Activities

B&W Apollo Fuel Fabrication

This assessment was completed and sent to NRC in October. A reserve 40 copies are being reproduced with better half-tone figure quality for later shipment.

Hanksville Ore Buying Station
Plateau Resources Ore Buying Station
White Mesa Ore Buying Station

No input has been received from NRC on the Plateau Resources PDEIA. Refit of this PDEIA and the completion of the PDEIAs on the other stations will proceed when ORNL is given guidance on desired changes in content and format.

B. In Situ Mining

Wyoming Minerals

The FES has been issued. The account will be closed when NRC issues the source material license.

Exxon

The FES was completed in October. ORNL staff spent 3 days at NRC working on final answer changes.

NRC Research and Technical
Assistance Report

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C. Mines and Mills

Kerr-McGee

Information has been received from the applicant on tailings disposal alternatives. Work on completing the DES will not start until the White Mesa and Shootering Canyon DESs are complete.

Homestake Mining Company

Assessment of the comments on the DES continued. Scheduling of the FES cannot be done until the status of inputs required from other (Homestake, state, Forest Service) is established.

White Mesa

The PDES (in complete DES format) was completed in October. Mats, mag-cards, and copies were sent to NRC Wednesday 1 November 1978. The EPM and ORNL staff spent the week of 23 October reviewing the PDES and all changes were incorporated in the copy sent to NRC.

Shootering Canyon

Some sections have been edited and word processed to mag-cards. Major sections not done in draft form are 3 (Operations), 4 (Environmental impacts), and 10 (Alternatives). This slide is caused by total staff involvement in White Mesa. Every effort will be made to expedite this project in November.

Below Grade Burial - Morton Ranch

One ORNL staff member attended the national meeting of the Association of Engineering Geologists in order to maintain this area of work at the state-of-the-art concerning tailings disposal. Contact and coordination with Colorado State Consultants was maintained and the Shootering Canyon tailings disposal program was reviewed.

D. Budget

Project costs are reported on the attached tables.

E. Overdue Action of FCMS Regarding Laboratory Requests

None

F. Remarks

None

H. E. Zittel
Project Manager

COST AND MANPOWER BREAKDOWN FOR THE MONTH OF OCTOBER

	October 1978		Environmental Impact Section Hours	Environmental Sciences Division Hours	Science Applications Inc. Hours	Radiation Analysis Hours	Socio- economic Hours	Document ¹ Preparation Costs	Travel Costs	Technical Support Services Hours
	Mds	Cost								
Wyoming Mineral	0.01	58								2
Exxon Highland Project	2.08	10,870	184			176		239	351	2
Homestake Pitch Project	0.50	2,421	40	44						2
Kerr-McGee Powder River	0.09	384								16
White Mesa Mill	3.24	9,179	104	152	298 ²			1376		8
Shooting Canyon Mill	2.04	6,929	48	80	75 ²	88	46			16
Morton Ranch Project	0.28	2,841	48					180	848	
Plateau Resources OBS	0.06	260		3						7
Energy Fuels OBS Hanksville	0.02	78		3						
Blanding	0.02	78		3						
B&W Final EIA	---	262						200		
General Charges	---	(6,380) ³								
Totals	8.34	26,980	424	285	373	264	46	1995	1199	53

1. word processing costs do not fit even months or include overhead

2. SAI labor costs of \$7,923 will be paid later

3. An erroneous SAI payment of \$10,097 was corrected and Colorado State Consultant charges of \$2,729 were paid. These will be prorated later.

	FY 1978		Prior Years		Estimated Remaining Costs
	MYs	Cost	MYs	Cost	
Wyoming Minerals	---	58	2.44	248,310	(917) complete
Exxon Highland Project	0.17	10,870	1.97	173,432	(712) complete
Homestake Pitch Project	0.04	,421	1.71	191,571	6,412 ¹
Kerr-McGee Project	0.01	384	1.67	154,180	23,379
White Mesa Mill	0.27	9,179 ²	1.10	70,323	50,498
Shooter Canyon Mill	0.17	6,929 ²	0.49	33,328	89,743
Morton Ranch Project	0.02	2,841	0.63	42,639	NA
Plateau Resources OBS	---	260	0.29	18,630	6,110
Energy Fuels OBS					
Hanksville	---	78	0.13	8,472	16,450
Blanding	---	78	0.13	8,472	16,180
B&W Final EIA	---	262	0.28	27,338	(2,600)
General Charges	---	(6,380) ³	0.24	14,688	NA
Totals	0.68	26,980			

1. Based on no changes in format.
2. Over two months of SAI charges have not been paid.
3. An erroneous SAI payment of \$10,097 was corrected and Colorado State Consultant charges of \$2,729 were paid. These will be prorated later.

NA Notes: (a) Morton Ranch account includes supporting service such as consulting, topical report preparation to aid in development of branch position on tailings management, evaluation of monitoring proposals and programs, and other tasks as agreed. No meaningful completion cost but it is estimated at 10-15K/month as long as such services are required.

(b) General charges cover items in support of branch which are short term and not specific to single projects. Examples: summer student studies on tailings seepage, solution mining conference attendance, and general involvement in the environmental areas of uranium fuel cycle related activities. Estimates to vary between 0 to 6% of monthly project costs.

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