

INTERIM REPORT

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Material Safety

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OAK RIDGE NATIONAL LABORATORY  
Oak Ridge, Tennessee 37830  
operated by  
UNION CARBIDE CORPORATION  
for the  
DEPARTMENT OF ENERGY

INTERIM REPORT

7810140103

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

August 1978

A. Environmental Assessment Activities

B&W Apollo Fuel Fabrication

This EIA was sent to NRC for other agency review in August.

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

All major draft material was completed in August. Editing and word processing have proceeded steadily during the month. The first complete PDEIA should reach the EPM in mid-September followed closely by others.

B. In Situ Mining

Wyoming Minerals

The FES is complete except for some processing to mat form. Mats should reach Washington Labor Day week.

Exxon

Work on answers to comments on the DES has started.

C. Mines and Mills

Kerr-McGee

We are awaiting information from the applicant.

Homestake Mining Company

ORNL participated with NRC, Forest Service, and State of Colorado staff in three public hearings. Comments on the DES are being received.

White Mesa

Chapter 2 (the existing environment) is complete. Chapter 3 (operations) is about 50% complete, large sections of all other chapters except Chapters 1 (introduction) and 12 (benefit/cost) are completed. Editing and word processing will start Labor Day week. A meeting with the EPM and the applicant 9/7/78 should resolve the remaining problems with treating the impact of the unresolved tailings disposal system.

Shooter Canyon

Some sections of Chapter 3 (operations) and Chapter 10 (alternatives) have been completed and some work on the ecology sections of Chapter 2 received attention. A full effort on this project will start in September.

Below Grade Burial - Morton Ranch

The final draft of ORNL/TM-6187, Analysis of Disposal of Uranium Mill Tailings was completed and is being reviewed. Inputs of questions for particular applicants were provided NRC.

D. Budget

Project costs are reported on the attached tables.

F. Overdue Action of FCMS Regarding Laboratory Requests

None

G. Remarks

None

*H. E. Zittel*

H. E. Zittel  
Project Manager

COST AND MANPOWER BREAKDOWN FOR THE MONTH OF AUGUST

	August 1978		Environmental Impact Section	Environmental Sciences Division	Science Applications Inc.	Radiation Analysis	Socio- Economic	Document <sup>1</sup> Preparation	Travel	Technical Support Services
	MMs	Cost	Hours	Hours	Hours	Hours	Hours	Costs	Costs	Hours
Wyoming Minerals	1.07	7,999	128	57				2,071		
Exxon Highland Mill	0.10	1,117	16	2				465		
Homestake Pitch Project	0.37	4,976	64					1,849	561	
Kerr-McGee Powder River	0.00	1,178						908 <sup>2</sup>		
White Mesa Mill	2.81	9,664	100	81	100		168	9	(235)	38
Shooting Canyon Mill	1.10	3,246	36	4	72		54		220	24
Morton Ranch Project	0.83	4,196	140					35		4
Plateau Resources OBS	0.81	4,034	25	106				67		10
Energy Fuels OBS										
Hanksville	0.39	1,919	24	34						10
Blanding	0.40	1,957	16	44						10
B&W Final EIA	0.39	5,610	16	51				3,244		
General Charges	0.09	502	16							
Totals	8.36	46,392	581	379	172 <sup>3</sup>		222	8,648	546	96

(1) word processing charges do not fit even months and do not include overhead

(2) probably a billing error

(3) no SAI billings in August - labor only costs were \$4,636 to be paid later



	FY 1978		Prior Years		Estimated Remaining Costs
	MYs	Cost	MYs	Cost	
Wyoming Minerals	1.21	\$167,450	1.20	\$ 78,000	\$ 2,001
Exxon Highland Mill	1.11	117,707	0.80	52,000	13,883
Homestake Pitch Project	1.23	160,380	0.46	30,000	10,024 <sup>1</sup>
Kerr-McGee Powder River	1.01	111,121	0.66	43,000	23,822
White Mesa Mill	0.90	52,723			77,277 <sup>2</sup>
Shooting Canyon Mill	0.33	18,515			111,485 <sup>2</sup>
Morton Ranch Project	0.59	39,596			NA
Plateau Resources OBS	0.27	16,282			8,718 <sup>3</sup>
Energy Fuels OBS					
Hanksville	0.11	6,967			18,033 <sup>3</sup>
Blanding	0.11	7,187			17,813 <sup>3</sup>
B&W Final EIA	0.27	22,264 <sup>4</sup>			2,736
General Charges	0.21	11,854			NA
Totals	7.35*	732,046			

\*SAI manpower not included until May 1978 - MY column should be increased to 1.7 MY.

- (1) based on no changes in format
- (2) based on 130K per project
- (3) based on 25K per project
- (4) includes NFS EIA completion in FY 78 and Metropolis support activities

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 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. Estimated to vary between 0 to 6% of monthly project costs.

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