

INTERIM REPORT

Accession No. <sup>230</sup>7906180230  
ORNL/ED/EIS-89

Project Title: Environmental Assessments of Fuel Cycle Facilities

Subject of this Document: Monthly Progress Report

Type of Document: Monthly Progress Report

Author: H. E. Zittel

Date of Document: March 1979

Responsible NRC Individual and NRC Office or Division: R. A. Scarano, Chief,  
Fuel Processing and Fabrication Branch, Division of Fuel Cycle and  
Material Safety

## NRC Research and Technical Assistance Report

This document was prepared primarily for preliminary or internal use. It has not received full review and approval. Since there may be substantive changes, this document should not be considered final.

Prepared for  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555  
Under Interagency Agreement 40-594-75  
NRC FIN No. B0279

2355 095

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

7906180230

INTERIM REPORT

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

March 1979

A. Environmental Assessment Activities

Hanksville Ore Buying Station  
Plateau Resource Ore Buying Station  
White Mesa Ore Buying Station

The PDEIA for the Hanksville OBS was completed in January. Billing is word processing carryover. The staff needs NRC input on both this PDEIA and the Plateau Resources PDEIA submitted September 1978.

B. In Situ Mining

All assigned work on solution mining projects has been completed. Work on Nine Mile Lake will start in April with ER acceptance review.

C. Mines and Mills

Kerr-McGee

No activity in March.

Homestake Mining Company

The FES was completed in March and sent to Forest Service for printing.

White Mesa

The staff prepared answers to comments for Appendix A in the FES and made text changes as required. The FES should be completed in April.

Shooter Canyon

2355 096

The DES was issued early in February. The staff reviewed the DES as issued in preparation for comments. Carryover billing from word processing and SAI were paid in February. The staff is awaiting applicant and agency comments.

NRC Research and Technical  
Assistance Report

Below Grade Burial-Morton Ranch

No staff activity in March.

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*  
H. E. Zittel  
Project Manager

2355 097

	FY 1979		Prior Years		Estimated Remaining Costs
	MYs	Cost	MYs	Cost	
Homestake Pitch Project	0.46	50,033	1.71	191,571	(43,621)
Kerr-McGee Powder River	0.02	888	1.67	154,180	22,875
White Mesa Mill	0.54	60,007	1.10	70,323	(330)
Shooter Canyon Mill	1.15	88,589	0.49	33,328	8,053
Morton Ranch Project	0.10	18,234	0.63	42,639	NA
Plateau Resources OBS	0.05	4,314	0.29	18,630	2,056
Energy Fuel OBSs Hanksville	0.07	11,292	0.13	8,472	5,236
Blanding	0.03	4,810	0.13	8,742	11,678
General Charges	0.24	13,589	0.24	14,688	NA
Totals	2.80 <sup>2</sup>	263,924			

1. Some SAI charges not yet paid
2. Includes 0.17 MY and \$11,619 on WMC, Exxon and B&W (closed accounts)

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

2355 098

COST AND MANPOWER BREAKDOWN FOR THE MONTH OF MARCH

	March 1979		Environmental Impact Section Hours	Environmental Sciences Division Hours	Science Applications Inc. Hours	Radiation Analysis Hours	Socio- economic Hours	Document <sup>5</sup> Preparation Costs	Travel Costs	Technical Support Services Hours
	MMs	Cost								
Homestake Pitch Project	0.83	14,045	120	24				4,396	(67)	3
Kerr-McGee Powder River										
White Mesa Mill	0.78	10,972	88	80		(80)	16	1,379		32
Shooting Canyon Mill	(0.22)	549				(80)		1,408	7	24
Morton Ranch		184						143		
Plateau Resources OBS										
Energy Fuels OBSs Hanksville		355						276		
Blanding		230						179		
General Charges	0.55	4,758	48	48				38		
Totals	1.84	31,093	256	152		(160) <sup>1</sup>		7,819	(60)	56

1. Corrected time charge error.
2. Word processing costs do not fit even months or include overhead

2355 099

INTERNAL DISTRIBUTION

1. R. C. Tepel
2. B. H. Bronfman
3. J. F. McBrayer
4. H. A. McLain
5. F. R. Mynatt
6. W. Fulkerson
7. R. L. Kroodsma
8. R. J. Haynes
9. R. B. Craig
- 10-19. H. E. Zittel
20. Laboratory Records (RC)

EXTERNAL DISTRIBUTION

21. Assistant Manager, Office of Research and Development,  
DOE-ORO
- 22-23. Division of Technical Information and Document Control,  
U. S. Nuclear Regulatory Commission, Washington, D. C. 20555
- 24-25. U. S. Department of Energy, Technical Information Center,  
P. O. Box 62, Oak Ridge, Tennessee 37830
26. L. C. Rouse, Chief, Fuel Processing and Fabrication Branch,  
Division of Fuel Cycle and Material Safety, U. S. Nuclear  
Regulatory Commission, Washington, D. C. 20555
- 27-41. R. A. Scarano, Fuel Processing and Fabrication Branch, Division  
of Fuel Cycle and Material Safety, U. S. Nuclear Regulatory  
Commission, Washington, D. C. 20555
42. W. T. Crow, Fuel Processing and Fabrication Branch Division of  
Fuel Cycle and Material Safety, U. S. Nuclear Regulatory Commission,  
Washington, D. C. 20555