

INTERIM REPORT

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

NRC Research and Technical  
Assistance Report

INTERIM REPORT

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

September 1979

A. Environmental Assessment Activities

No activity in September.

B. In Situ Mining

Nine Mile Lake

Initial PDES material for the 9-mile Lake In situ mining project was completed and transmitted to the NRC EPM. Word processing has started. We are now awaiting needed information from the applicant before we can complete the PDES.

Bison Basin

The staff completed the ER acceptance review for the Ogle Petroleum, Bison Basin In Situ Uranium Mining Project. Comments and questions for the applicant have been sent to NRC.

C. Mines and Mills

Homestake

No activity in September

Kerr-McGee

No activity in September. Accrued SAI costs were paid.

Gulf Minerals

The staff completed some sections on the existing environment and other "boiler plate". Full effort on this project cannot proceed until the applicant provides further information on his newly proposed tailings management scheme.

Edgemont Decommissioning

SAI reviewed the environmental report and other available material in preparation for the scoping meeting and site visit. ESD reviewed pertinent publications and contacted appropriate state agencies regarding the Edgemont project as well as starting preliminary drafts of environmental sections of the ES. EIS initiated preliminary work on draft sections of the report and review of new material acquired in preparation for the site visit.

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Hanson Project

The staff completed the ER acceptance review for Cypress Mines Corporation, Hansen Project. Staff comments and questions for the applicant have been sent to NRC.

D. Budget

Costs are reported on the attached tables.

E. Overdue Action of FCMS Regarding Laboratory Requests

None.

F. Remarks

Note that payment to SAI for time previously shown in Cost Tables made significant changes in several accounts.

*H. E. Zittel*  
H. E. Zittel  
Project Manager

	Prior Years		Total Project		Original Estimate
	MM	Cost	MY	Cost	
Shootering Canyon Mill	5.88	33,328	1.67	137,170	125,000 <sup>(1)</sup>
White Mesa Mill	13.20	70,323	1.74	145,301	125,000 <sup>(1)</sup>
Plateau Resources OBS	3.48	18,630	0.36	25,680	25,000 <sup>(1)</sup>
EFOBS Hanksville	1.56	8,472	0.22	23,888	25,000 <sup>(1)</sup>
EFOBS Blanding	1.56	8,742	0.18	14,460	25,000 <sup>(1)</sup>
Homestake Pitch Project	20.52	191,571	2.35	253,247	None
Kerr-McGee Powder River	20.04	154,180	1.90	167,246	None
Nine Mile Lake	--	--	1.04	86,806	150,000
Edgemont Decommissioning	--	--	0.65	58,007	150,000
Gulf Minerals	--	--	0.36	28,282	150,000
Bison Basin	--	--	0.14	10,859	150,000
Hansen Project	--	--	0.14	11,730	150,000
General & Special Accounts	0.87	57,327	0.88	141,890 <sup>(3)</sup>	NA <sup>(2)</sup>

- Notes: (1) Accounts Closed  
(2) Consolidated account - previously General charges and Morton Ranch. Over \$56,000 of this account paid consultants and contractors in FY79 for NRC requested special projects.  
(3) Current year cost.

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PROJECT COST AND MANPOWER BREAKDOWN FOR SEPTEMBER 1979

	MM	Cost	Environ. Impact Section Hours	Environ. Sciences Division Hours	Science Applications Inc. Hours	Socio- economic Hours	Technical Support Services Hours	Document Preparation Costs	Consult. Costs	Travel Costs
Homestake Pitch Project	--	--	--	--	--	--	--	--	--	--
Cumulative FY-79	7.66	61,676	5.6	755	--	--	57	18,704	--	986
Kerr-McGee Powder River	--	2,469 <sup>(1)</sup>	--	--	--	--	--	--	--	--
Cumulative FY-79	2.71	13,066	36	8	64	26	16	1,461	5,760	--
9-Mile Lake	1.05	34,514 <sup>(1)</sup>	30	100	40	--	12	75	--	--
Cumulative FY-79	12.50	86,806	562	789	783	--	34	75	--	4,046
Edgemont Decommissioning	2.54	38,921 <sup>(1,2)</sup>	80	180	165	--	16	120	580	--
Cumulative FY-79	7.78	58,007	499	436	355	--	50	120	1,042	787
Gulf Minerals	1.24	17,221 <sup>(1,2)</sup>	24	72	42	--	10	67	--	--
Cumulative FY-79	4.27	28,282	304	284	42	--	43	67	--	--
Bison Basin	1.63	10,859 <sup>(1)</sup>	112	120	51	--	--	--	--	--
Cumulative FY-79	1.63	10,859	112	120	51	--	--	--	--	--
Hansen Project	1.70	11,730 <sup>(1)</sup>	132	100	63	--	--	--	--	--
Cumulative FY-79	1.70	11,730	132	100	63	--	--	--	--	--
General and Special Accts.	0.88	23,805 <sup>(3)</sup>	80	48	--	--	24	85	--	2,845 <sup>(4)</sup>
Cumulative FY-79	10.56	141,890	864	851	--	--	111	1,278	56,172	6,440
Current Month Totals	9.04	139,519	458	620	361	--	62	347	580	2,845
FY-79 Totals	75.28 <sup>(6)</sup>	630,939 <sup>(5)</sup>	--	--	--	--	--	--	--	9,285

- (1) SAI paid for hours already worked.
- (2) Account corrected for previous underbilling.
- (3) Includes \$15,000 charged in error, will be corrected.
- (4) Two staff members to Casper Mining Conference, one staff member to Bokum.
- (5) Includes \$218,623 from closed accounts (see previous reports).
- (6) Includes man-months from closed accounts.
- (7) Refer to July 1979 report for general information regarding costs.

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