

Project Title: Environmental Assessments of Fuel Cycle Facilities

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

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INTERIM REPORT

NRC Research and Technical  
Assistance 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

October 1979

A. Environmental Assessment Activities

No activity in October.

B. In Situ Mining

Nine Mile Lake

Word processed PDES material for the 9-Mile Lake In Situ Mining Project was completed and transmitted to the NRC EPM. Needed information from the applicant has been received and we can now complete the PDES.

Bison Basin

The staff prepared for and completed the site visit and participated in the Bison Basin Uranium In Situ Mining Project Scoping Meeting. This project appears to have no potential environmental problem and PDES preparation can proceed on schedule.

C. Mines and Mills

Homestake

The ORNL manager and the EPM met with the applicant to discuss Tailings management.

Kerr-McGee

No activity in October.

Gulf Minerals

The staff prepared for and completed the site visit and attended the scoping meeting on the Gulf Mineral Mount Taylor Project. On 31 October 79, this project was cancelled.

Edgemont Decommissioning

The staff prepared for and completed the site visit and attended the Edgemont Uranium Mill Decommissions Scoping Meeting. The staff prepared a new set of questions for the applicant at the request of the NRC EPM. Considerable information must be supplied by the applicant before the staff can complete the PDES.

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Hansen Project

The staff continued the review of the ER for Cypress Minas Hansen Project in preparation for the site visit and scoping meeting in early November. On 31 October 79, this project was cancelled.

D. Budget

Costs are reported on the attached tables.

E. Overdue Action of FCMS Regarding Laboratory Requests

None

F. Remarks

In regard to your 18 October 79 letter, Scarano to Zittel.

Charges against an account at single project completion accurately reflects the effort and costs on that project. For active projects, errors in charges will occur because account numbers may be in error on time cards, central accounting may make computer entries in error, or typographical and addition errors may not be noticed and corrected on an individual monthly progress report.

A vigorous attempt is made to accurately report all efforts. Over an extended period, reported information is accurate. Since the monthly report is written as soon as ORNL cost sheets are available, many errors cannot be corrected until the next monthly report.

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

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	Prior Years		Total Project		Original Estimate
	MM	Cost	MY	Cost	
Shooting 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	28.20	253,147	2.35	253,545	None
Kerr-McGee Powder River	22.90	167,246	1.90	167,246	None
Nine Mile Lake	12.48	86,806	1.08	91,751	150,000
Edgemont Decommissioning	7.80	58,007	0.83	74,027	150,000
Gulf Minerals	4.32	28,282	0.54	45,242	150,000 <sup>(4)</sup>
Bison Basin	1.68	10,859	0.31	22,739	150,000
Hansen Project	1.68	11,730	0.29	23,004	150,000 <sup>(4)</sup>
General & Special Accounts	21.00	199,217	0.00 <sup>(3)</sup>	0,139 <sup>(3)</sup>	NA <sup>(2)</sup>

- Notes: (1) Accounts Closed  
(2) Consolidated account - previously General charges and Morton Ranch.  
(3) Current year cost.  
(4) Closed November 5th, minor costs still outstanding.

PROJECT COST AND MANPOWER BREAKDOWN FOR OCTOBER 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	0.05	298	8	--	--	--	--	--	--	--
Cumulative FY-80	0.05	298	8	--	--	--	--	--	--	--
Kerr-McGee Powder River	--	--	--	--	--	--	--	--	--	--
Cumulative FY-80	--	--	--	--	--	--	--	--	--	--
9-Mile Lake	0.43	4,945	32	30	4	--	8	2,665	--	--
Cumulative FY-80	0.43	4,945	32	30	4	--	8	2,665	--	--
Edgemont Decommissioning	2.20	16,020	72	208	89	--	12	--	--	3,190 <sup>(1)</sup>
Cumulative FY-80	2.20	16,020	72	208	89	--	12	--	--	3,190
Gulf Minerals	2.35	16,980	112	233	52	--	10	--	--	3,240 <sup>(1)</sup>
Cumulative FY-80	2.35	16,980	112	233	52	--	10	--	--	3,240
Bison Basin	2.03	11,880	88	152	103	--	8	--	--	--
Cumulative FY-80	2.03	11,880	88	152	103	--	8	--	--	--
Hansen Project	1.83	11,274	64	176	62	--	16	--	--	--
Cumulative FY-80	1.83	11,274	64	176	62	--	16	--	--	--
General & Special Accts.	1.01	8,189	132	35	--	--	8	20	--	(31)
Cumulative FY-80	1.01	8,189	132	35	--	--	8	20	--	(31)
Current Month Totals	9.89	69,586	508	834	310	--	62	2,685	--	6,399
FY-80 Totals	9.89	69,586	508	834	310	--	62	2,685	--	6,399

(1) SAI travel not included

Notes: Refer to July 1979 report for general information regarding costs.  
 \$15,000 over charge in September was withheld for partial credit on CSU consultant 1979.  
 Billings of about \$25,000 to be paid in November.

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