

NRC Research and/or Technical Assistance Report

PDR

INTERIM REPORT

Accession No. _____
ORNL/ED/EIS-175

Project Title: Environmental Assessments of Fuel Cycle Facilities

Subject of this Document: Monthly Progress Report

Type of Document: Monthly Progress Report

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Date of Document: June 1982

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Waste Management

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

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

INTERIM REPORT

OAK RIDGE NATIONAL LABORATORY MONTHLY REPORT TO
URANIUM RECOVERY AND LICENSING BRANCH
DIVISION OF WASTE MANAGEMENT

June 1982

A. Environmental Assessment Activities

None Presently Active.

B. In Situ Mining

Nine Mile Lake

This project is inactive.

Teton In Situ

The DES mats were sent to NRC.

C. Mines and Mills

Groundwater Mill Tailings

This project is proceeding on schedule.

Edgemont Decommissioning

The FES was completed and sent to NRC.

Fed-Am Partners

The DES has been revised by NRC and parts returned for implementation of changes.

Conoco Sand Rock

ORNL has received most comments on the DES and is preparing answers.

Kerr-McGee

This project has been put on hold at the request of the PM. Applicant input needed.

D. Budget

Costs are reported on the attached tables.

E. Overdue Action of FCMS Regarding Laboratory Requests

None.

F. Comments

In regard to your letter of September 30, 1981 regarding detail and schedule information on topical reports the following represents work status and schedule through April.

	<u>To Date</u> <u>MM</u>	<u>Schedule</u>
(i) Rock Cover vs. Vegetation	11.4	Completed at NRC
(ii) Cost Benefits Aspect	5.7	No firm schedule-- depends on other reports
(iii) Upward Geochemical Migration	3.7	Draft at NRC
(iv) Radon Attenuation	7.4	Being completed per NRC input - Draft in August
(v) Techniques of Groundwater Rest		Draft being revised per NRC
(vi) Site Dewatering Techniques	5.7	At NRC for approval
(vii) Tailings Consolidating Techniques	5.4	Draft in August
(viii) Land Ownership	0	Not yet initiated
Total Man-Months to date	46.1	
Approximate Cost to date	385k	

G. Remarks

M. Kelly is personally working the Radon TM.

M. J. Kelly
M. J. Kelly
Project Manager

MJK/baw

	Prior Years		Total Project		Original Estimate
	MM	Cost	MY	Cost	
Shooting Canyon Mill	5.88	33,328	1.67	137,170	125,000(1)
White Mesa Mill	13.20	70,323	1.74	145,301	125,000(1)
Plateau Resources OBS	3.48	18,630	0.36	25,680	25,000(1)
EFOBS Hanksville	1.56	8,472	0.22	23,888	25,000(1)
EFOBS Blanding	1.56	8,742	0.18	14,460	25,000(1)
Homestake Pitch Project	28.20	253,247	2.35	253,545	None(1)
Kerr-McGee Powder River	22.90	167,246	2.50	222,470	None
Nine-Mile Lake	17.52	137,075	1.46	137,075	150,000
Groundwater Mill Tailings	2.52	105,935	0.39	197,911	NA
Colorado State	--	--	0.14	68,132	NA(3)
Edgemont Decommissioning	31.20	251,513	3.11	307,699	150,000
Gulf Minerals	6.84	47,411	0.57	47,411	150,000(1)
Bison Basin	17.40	151,064	1.60	182,386	150,000(1)
Hansen Project	4.08	28,569	0.34	38,854	150,000(1)
Fed-Am Partners	20.76	154,526	1.80	181,812	150,000
Bokum Tailings	--	4,288	--	4,288	None(1)
San Miquel Tailings	0.36	18,038	0.03	21,949	None(1)
Conoco Sand Rock	18.24	99,016	1.75	186,478	150,000
Teton In-Situ	8.76	57,419	1.36	172,160	150,000
General & Special Accounts	58.80	665,321	1.60	157,322(3)	NA(2)

- Notes: (1) Accounts Closed.
(2) Consolidated account — previously General charges and Morton Ranch.
(3) Current year cost.

PROJECT COST AND MANPOWER BREAKDOWN FOR JUNE 1982

	PM	Cost	Impact Section Hours	Science Division Hours	Subcon- tractor Hours	Radio- logical Hours	Technical Support Services Hours	Document Prepa- ration Costs	Consult. Costs	Travel Costs
Conoco Sand Rock	0.91	6,096	88	20	--	--	--	--	--	--
Cumulative FY-82	2.78	87,462	348	--	--	--	--	41,221	--	--
Groundwater Mill Tailings ⁽²⁾	0.42	11,446	72	--	--	--	--	--	--	--
Cumulative FY-82	2.17	91,976	376	--	--	--	--	--	--	1,413
Colorado State	--	(12,338)	--	--	--	--	--	--	--	--
Cumulative FY-82	1.67	68,132	288	--	--	--	--	--	--	759
Edgemont Decommissioning	0.99	10,377	84	88	--	--	--	2,724	--	--
Cumulative FY-82	6.11	90,847	551	510	--	--	--	6,246	--	--
Kerr-McGee	--	--	--	--	--	--	--	--	--	--
Cumulative FY-82	7.05	55,224	884	145	--	--	194	4,590	--	2,234
Fed-Am Partners	0.32	2,820	56	--	--	--	--	--	--	--
Cumulative FY-82	0.78	17,286	136	--	--	--	--	10,868	--	--
Teton In-Situ	0.18	6,068	32	--	--	--	--	6,884	--	--
Cumulative FY-82	7.59	114,741	784	401	30	--	100	39,020	--	540
General and Special Accounts	1.68	16,563	204	88	--	--	--	--	--	--
Cumulative FY-82	19.24	157,322	1,184	981	--	--	1,170	--	--	1,242
Current Month Totals	4.50 ⁽¹⁾	43,032	536	246	--	--	--	9,608	--	--
FY-81 TOTALS	47.38	647,343	4,551	2,151	30	--	1,684	102,645	--	6,188

(1) See comments for cost and status of Topical Reports.

(2) Idaho subcontract

(3) See July 79 monthly report for general information regarding costs.

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