

NRC Research and/or Technical Assistance Report

Per

INTERIM REPORT

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Waste Management

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Washington, D.C. 20555
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OAK RIDGE NATIONAL LABORATORY
Oak Ridge, Tennessee 37830
operated by
UNION CARBIDE CORPORATION
for the
U.S. DEPARTMENT OF ENERGY

INTERIM REPORT

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

May 1982

A. Environmental Assessment Activities

None Presently Active.

B. In Situ Mining

Nine Mile Lake

This project is inactive.

Teton In Situ

The PDES was sent to NRC.

C. Mines and Mills

Groundwater Mill Tailings

This project is proceeding on schedule.

Edgemont Decommissioning

Review of DES answers to comments, revisions and substitutions were prepared during May.

Fed-Am Partners

The DES has been sent to NRC.

Conoco Sand Rock

The DES has been issued. ORNL is waiting for comments.

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	10.9	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	6.9	Being completed per NRC input - Draft in July
(v) Techniques of Groundwater Rest	6.4	Draft being revised per NRC
(vi) Site Dewatering Techniques	5.7	Partial Draft sent to NRC
(vii) Tailings Consolidating Techniques	5.0	Draft in June
(viii) Land Ownership	0	Not yet initiated
Total Man-Months to date	44.3	
Approximate Cost to date	370k	

G. Remarks

None.

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	0.36	186,465	NA
Colorado State	--	--	0.14	80,470	NA(3)
Edgemont Decommissioning	31.20	251,513	3.03	297,322	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	164,526	1.77	178,992	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	1.68	180,382	150,000
Teton In-Situ	8.76	57,419	1.35	164,092	150,000
General & Special Accounts	58.80	665,321	1.46	140,759(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 MAY 1982

	MM	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	--	--	--	--	--	--	--	--	--	--
Cumulative FY-82	1.87	81,366	260	--	--	--	--	41,221	--	--
Groundwater Mill Tailings ⁽²⁾	0.21	11,809	36	--	--	--	--	--	--	1,413
Cumulative FY-82	1.75	80,530	304	--	--	--	--	--	--	1,413
Colorado State	0.21	9,845	36	--	--	--	--	--	--	--
Cumulative FY-82	1.67	80,470	288	--	--	--	--	--	--	759
Edgemont Decommissioning	0.53	5,513	50	42	--	--	--	1,468	--	--
Cumulative FY-82	5.12	80,470	467	422	--	--	--	3,522	--	--
Kerr-McGee	--	--	--	--	--	--	--	--	--	--
Cumulative FY-82	7.05	55,224	884	145	--	--	194	4,590	--	2,234
Fed-Am Partners	--	--	--	--	--	--	--	--	--	--
Cumulative FY-82	0.46	14,466	80	--	--	--	--	10,868	--	--
Teton In-Situ	0.46	8,224	50	--	--	--	--	4,373	--	--
Cumulative FY-82	7.41	106,673	752	401	30	--	100	32,136	--	540
General and Special Accounts	1.15	10,944	115	84	--	--	--	--	--	--
Cumulative FY-82	17.56	140,759	980	893	--	--	1,170	--	--	1,242
Current Month Totals	2.56 ⁽¹⁾	46,335	317	126	--	--	--	5,841	--	1,413
FY-81 TOTALS	42.88	604,311	4,015	1,905	30	--	1,684	93,037	--	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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