

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

April 1980

A. Environmental Assessment Activities

San Miguel Tailings

The accident section was received by NPC and changes were made.

Hansen Tailings

The accident section was completed and sent to NRC.

B. In Situ Mining

Nine Mile Lake

The PDES was completed and transmitted to the EPM. The applicant is revising his plans, and this project will exceed cost estimate.

Bison Bason

Complete copy for the PDES has been sent to NRC. DES completion date depends on NRC input.

C. Mines and Mills

Homestake

No activity this month.

Kerr-McGee

No activity this month.

Edgemont Decommissioning

Preparation of material for which information was available proceeded during the month. Sections 2 and 3 are being word processed. Information from TVA is still needed. Because of start and stop operation, this project will exceed cost estimates.

Fed-Am Partners

The staff is assimilating material which it has and awaiting further detail on the applicants proposal. Work on "Boiler Plate" is proceeding.

D. Budget

Costs are reported on the attached tables.

E. Overdue Action of FCMS Regarding Laboratory Request.

None

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Assistance Report

F. Comments

None

G. Remarks

None

H. E. Zittel

H. E. Zittel
Project Manager

HEZ/1kb

| | 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 |
| Kerr-McGee Powder River | 22.90 | 167,246 | 1.90 | 167,246 | None |
| Nine-Mile Lake | 12.48 | 86,806 | 1.46 | 134,205 | 150,000 |
| Edgemont Decommissioning | 7.80 | 58,007 | 1.64 | 132,726 | 150,000 |
| Gulf Minerals | 4.32 | 28,262 | 0.55 | 46,504 | 150,000 ⁽¹⁾ |
| Bison Basin | 1.68 | 10,859 | 1.29 | 126,181 | 150,000 |
| Hansen Project | 1.68 | 11,730 | 0.33 | 24,562 | 150,000 |
| Fed-Am Partners | -- | -- | 0.73 | 61,626 | 150,000 |
| Bokum Tailings | -- | -- | -- | 4,288 | None |
| San Miguel Tailings | -- | -- | 0.03 | 2,356 | None |
| General & Special Accounts | 21.00 | 199,217 | 0.27 ⁽³⁾ | 62,658 ⁽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 APRIL 1980

| | MM | | Environ. Impact Section Hours | Environ Sciences Division Hours | Science Applications Inc. Hours | Socio- economic Hours | Radiological Hours | Technical Support Services Hours | Document Preparation Costs | Consult. Costs | Travel Costs |
|-------------------------------|-------|---------|--|--|--|-----------------------------|-----------------------|---|----------------------------------|-------------------|-----------------|
| | MM | Cost | | | | | | | | | |
| Homestake Pitch Project | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Cumulative FY-80 | 0.05 | 298 | 8 | -- | -- | -- | -- | -- | -- | -- | -- |
| Kerr-McGee Powder River | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Cumulative FY-80 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Edgemont Decommissioning | 2.64 | 15,689 | 68 | 164 | 210 ⁽¹⁾ | -- | -- | 16 | 3,067 | 296 | -- |
| Cumulative FY-80 | 11.87 | 74,719 | 396 | 1,119 | 465 | -- | -- | 77 | 3,067 | 296 | 3,740 |
| 9-Mile Lake | 0.24 | 7,535 | 18 | 24 | -- | -- | -- | -- | 5,859 | -- | -- |
| Cumulative FY-80 | 4.99 | 47,402 | 459 | 409 | 59 | -- | 168 | 8 | 17,250 | -- | -- |
| Bison Basin | 0.95 | 16,796 | 64 | 60 | -- | -- | 24 | 16 | 9,556 | -- | -- |
| Cumulative FY-80 | 13.74 | 115,322 | 839 | 694 | 540 | -- | 192 | 114 | 19,566 | -- | 2,612 |
| Fed-Am Partners | 1.48 | 10,340 | 124 | 116 | -- | (2) | -- | 16 | -- | -- | -- |
| Cumulative FY-80 | 8.76 | 61,626 | 608 | 833 | 44 | 17 | -- | 32 | -- | -- | 3,589 |
| Hansen Project ⁽⁴⁾ | 0.19 | -- | -- | -- | 33 ⁽¹⁾ | -- | -- | -- | -- | -- | -- |
| Cumulative FY-80 | 2.22 | 12,832 | 64 | 192 | 114 | -- | -- | 16 | -- | -- | 1,078 |
| Gulf Minerals | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Cumulative FY-80 | 2.49 | 18,242 | 112 | 257 | 52 | -- | -- | 10 | -- | -- | 3,792 |
| San Miguel Tailings | 0.09 | 536 | -- | -- | 16 ⁽¹⁾ | -- | -- | -- | 536 | -- | -- |
| Cumulative FY-80 | 0.32 | 2,356 | -- | -- | 56 | -- | -- | -- | 1,069 | -- | -- |
| Bokum Tailings | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Cumulative FY-80 | -- | 4,288 | -- | -- | -- | -- | -- | -- | 2,920 | -- | 1,000 |
| General and Special Accounts | 0.55 | 11,911 | 96 | -- | -- | -- | -- | -- | -- | 7,916 | 748 |
| Cumulative FY-80 | 3.86 | 62,650 | 592 | 55 | -- | -- | -- | 18 | 390 | 37,584 | 4,094 |
| Current Month Totals | 6.14 | 62,827 | 370 | 364 | 259 | -- | 24 | 48 | 19,018 | 8,212 | 745 |
| FY-80 Totals | 48.10 | 399,743 | 3,070 | 3,559 | 1,330 | 17 | 360 | 275 | 44,262 | 37,840 | 19,976 |

Notes: 1. Accrued \$12,387 in SAI charges in April.
2. Time and charges not yet available.

3. See July 79 monthly report for general information regarding costs.
4. Hansen accident section being charged to old account.

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