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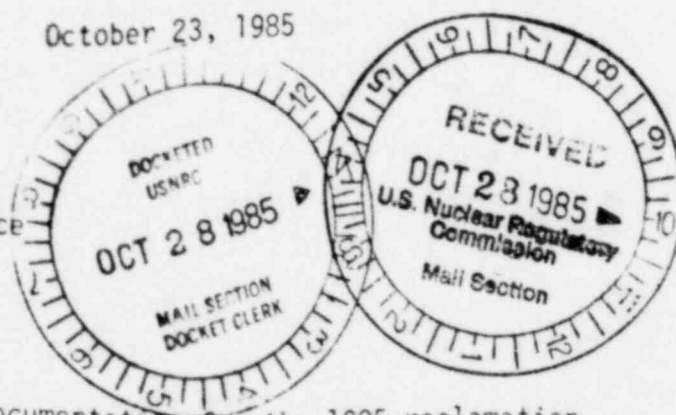
EXXON MINERALS COMPANY

POST OFFICE BOX 3020 • CASPER, WYOMING 82401

RETURN ORIGINAL TO PDR, HQ.
Highland Uranium Operations

October 23, 1985

Mr. George Pangburn
U.S. Nuclear Regulatory Commission
Region IV Uranium Recovery Field Office
P.O. Box 25325
Denver, Colorado 80225



Dear Mr. Pangburn:

Attached is Exxon's supporting documentation for the 1985 reclamation surety submitted to NRC per licenses SUA-1139, condition 23 and SUA-1064, condition 17.

A copy of the surety given the Wyoming DEQ is being sent to you from our Houston office. DEQ has approved the surety amount.

Yours truly,

ER Mueller

Edward R. Mueller
Site Reclamation Manager

ERM/ksj

attachment

cc: J.D. Patton
K.A. Patton
D.M. Range

8512040375 851023
PDR ADOCK 04008064
C PDR

DESIGNATED ORIGINAL

Certified By Mary C. Hood

14. EXTENT OF SURFACE DISTURBANCE & RECLAMATION COSTS

The extent to which surface areas are disturbed, along with the calculated reclamation costs, are updated in each Annual Report.

It should be noted that essentially all of the Exxon surface disturbances have already occurred. The reclamation schedule for the disturbed area is shown in Figure 1.

Exxon's current estimate of final reclamation costs for the Highland Uranium Operations in 1985 dollars is \$13.6 million. This reclamation cost is recalculated each year and included in the Annual Report for bonding requirements. Details of the current estimate including the cost of the contingency plan, monitoring and DEQ contingency fee follow:

	<u>1985 Dollars</u>
• Cost to reclaim tailings basin area	\$ 6,900,000

Includes:

		<u>\$ k</u>
Contour tailings	0.7 MBCY @ \$1.30	910
Strip topsoil	77 kBCY @ \$1.30	100
Slope Dam 5 to 1	434 kBCY @ \$0.77	334
Build PMF Channel	1.6 MBCY @ \$1.30	2,080
Slope Dump 1-5 to 1	11 kBCY @ \$1.30	14
Cover tailings-3 meters	1.4 MBCY @ \$1.30	1,820
Topsoil & Revegetate	374 acres @ \$1200	449
Monitor, Evaporate Water, Stabilize Sand		140
NRC Long Term Maintenance Fee		400
Overhead		600
		<u>6,847</u>

• Cost to reclaim Pits 2, 3 and 4	\$ 2,500,000
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Includes:

		<u>\$ k</u>
Wall Sloping-15% to Pit Bottom and		
35% to 5079' ASL	1,400 kBCY @ \$0.75	1,050
Topsoil & Revegetate	400 acres @ \$1,200	480
Terraces	400 kBCY @ \$0.75	300
Overhead		700
		<u>2,530</u>

- Cost to decommission mill and reclaim mill site (including mill pond) \$ 1,100,000

Includes:

	\$ k
Mill Decommissioning	784
Pond Decommissioning	58
Decontaminate Mill & Site 100 kBCY @ \$1.37	137
Topsoil & Revegetate 70 acres @ \$1,200	84
Overhead	40
	<u>1,103</u>

- Cost to reclaim underground mine site \$ 100,000

Includes:

	\$ k
Decommission Head Frames and Buildings	46
Bury Foundations 6 kBCY @ \$1.30	8
Topsoil & Revegetate 7 acres @ \$1,200	8
	<u>62</u>

- Cost to restore expanded well field and decommission and reclaim solution mine area. \$ 1,000,000

- Cost to complete reclamation of roads and miscellaneous disturbed areas \$ 500,000

- Barium Chloride Treatment Contingency Plan \$ 500,000

Includes:

	\$ k
Capital	
Pumps	41
Pipe	38
Fittings	27
Tanks	3
Flowmeters	4
Power System	17
Pipe Anchors	2
Utility Boat	3
Buildings	37
Engineering and Contractor Service	34
Contingency	17
	<u>223</u>
Operations	
Labor	125
BaCl ₂	40
Materials	40
Power	47
Contingency	25
	<u>277</u>
	<u>500</u>

- DEQ Contingency \$ 1,000,000

- TOTAL \$13,600,000