40-8718

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MOLYCORP

August 14, 1995

Mr. LeRov S. Person **US Nuclear Regulatory Commission** Project Manager Low-Level Waste and Decommissioning Projects Branch Division of Waste Management Office of Nuclear Material Safety and Safeguards Washington, DC 20555-0001

US NRC License No. SMB-1408

Dear Mr. Person:

We are forwarding under separate cover today the Site Decommissioning Plan (SDP) for Molycorp's York, PA facility. Enclosed is a revised cost estimate for decommissioning the facility according to the plan outlined in the SDP. Since this estimate is less than the amount of the bond currently in place to cover decommissioning expenses, Molycorp is not amending the funding plan documentation.

Sincerely.

Barbara K. Dankmyer Resident Manager

XC:

D. Shoemaker - Questa

J. Dean - Hoffman Estates

1014 = 211.972 DEM

APPENDIX F COST ESTIMATING TABLES

1. Planning & Preparation

Table 1

				Work	Days		Total
_	ask Preparation of Documentation for	Supervisor	Foreman	<u>H&S</u>	Clerical	<u>Total</u>	Cost
	Regulatory Agencies	5			5	10 \$	1,213
2.	Submittal of Decommissioning Plan to NRC when required by 10 CFR 30.36(c)(2), 40.42(c)(2) or 70.38(c)(2)				n completed and h cost update.	1 is	
3.	Development of Work Plans	5		5	5	15 \$	3,612
4.	Procuring of Special Equipment	3			1	4 \$	627
5.	Staff Training	Completed				. \$	-
6.	Characterization of Radiological Condition of the Facility (Including soil and tailings analysis or groundwater analysis, if	Site characte Expenses ha			ompleted.		
	applicable)					\$	-
7.	Other	2		······································	4 .	6 \$	585
8.	Total	15	0	5	15	35 \$	6,038

^{*}For assistance in preparation of cost estimate for 10 CFR Part 72, consult NRC Office of Nuclear Material Safety and Safeguards.

Table 2

Unit Cost for Workers Worker								
<u>Position</u>	Basic Salaries (\$/yr)	Overhead Rate (%)	Cost/year					
Supervisor	40,000	25.1	50,040					
Foreman	32,000	25.1	40,032					
Water Wagon ·	29,928	25.1	37,440					
Equipm't Oper A	41,567	25.1	52,000					
Equipm't Oper B	36,579	25.1	45,760					
Laborer	25,709	25.1	32,162					
Project Manager	104,000	280.0	291,200					
Health & Safety	44,571	280.0	124,799					
Field Eng.	52,530	25.1	65,715					
Site Admin'tr	52,530	25.1	65.715					
Clerical	10,400	25.1	13,010					
2. Decontamination and/or Dismantling of Radioactive Facility Components*								
Dimen-								

		Dimen-		•	
•	<u>No.</u>	sions		<u>No.</u>	Dimensions
Glove Boxes	0	-(m3)	Amt. of Floor Space	0	1950 (m2)
Fume Hood	1	1.68(m3)	Ventilation Ductwork	Ö	-(m)
Hot Cells	0	-(m3)	Amt. of Wall Space	. 0	2286 (m2)
Lab Benches	21	49(m)		·	2200 (IIIZ)
Sink & Drain	4	1.47(m)		•	

Items will be decontaminated to release levels.

Buildings will de decontaminated and surveyed or surveyed only to prove no contamination is present.

Table 3

Wagon

Work Days Water

Foreman

Operator Oper'tr Laborer Total В Total Cost

3,524

1. Decon/Dismantle Major Components and/or Processing and Storage Tanks

Task

60 64 \$ 8,038

2. Decon/Dismantle Laboratories, Fume Hoods, Glove Boxes, Benches, etc.

28 \$

*Indicate whether component is to be decontaminated to unrestricted released levels or packaged and disposed of at a low level waste site.

Table 3 (Continued)

Work Days

<u>Task</u>	Foreman	Water Wagon	Operator A	Oper'tr B	Laborer	Total	Total Cost
Decon/Dismantle Waste Areas	None.	. •			•		•
-Radwaste Areas -Scrap Recovery Areas -Other	None.						
Decon/Dismantle Services Facilities	Confirmatory 3	Surveys incl	uding analytic	al		\$. 48,000
-Maintenance Shop -Decontamination Areas -Ventilation Systems		4					
-Other: building walls, floors, etc. 5. Decon/Dismantle Waste Treatment Facilities and Storage Areas on the Site (Including exhume and package contaminated	· ·	4			60	64	8,038
soil and tailings, if any)	. 15	5 35	35	70	35	190	30,999

Table 3 (Continued)
Work Days

			Work	Days		·		
		Project	Super-	Health	Field	Site		Total
<u>Task</u>		Manage	er visor	& Safety	Enginee	Admin.	Total	Cost
Monitor for Reclean and if Necessary	d Remonitor,	Outside Ana				, varian.	rotal	10,000 5,862
7. Other (e.g.	contractor fees)	15	5 .	45		5	65	39,664
			Tabl	e 4	•	•		
Equipment/Sup	ply	Quantity		Total	Cost			
Equipment to	• •			1000	0031			
450" Excavator		1		\$	12,500			
Water Wagon	,	1	•	\$	3,600			
Load All		i		\$	5,100			
Roller		<u>i</u>		\$	3,300			
Dozer		1		\$	6,000			
3. <u>Packaging</u> S Waste Type Total	Shipping, and Disposed Volume (m3) Bulk roll-offs to No containers in	No. of Containers be used to tre	Table Type of Containers ansport to V	e 5 Vashingto	Unit Cost of Container		st <u>ntainer</u>	
	re containers in	iccessary. Roll-	ons are pito	eu in lians	portation	costs.		
Distance Shippe Unit cost of ship Additional charg Overweight Surcharges	ment		. Table	238	(miles) (\$/mile/tru (\$/mile) \$/mile)	ckload)		
Waste Type Thoriated Soil Total	No. of Shipments 250	Unit Cost for Shipping 2.84	Distance Shipped 238	Surcha	<u>rge</u> <u>C</u>	ransportation <u>Cost</u> 168,980	·	

			Tab	le 7				
Burial charges are of meter of waste buri	osts of burial	at Molycorp	Washing	ton's cell	. Costs are	per cul	oic	
Burial Charges Surcharges			2.82	(\$/m3)	- .			
Per container Disposal			0 (\$) 0 (\$/m3)					
Was <u>Typ</u> FeN		<u>Vo</u>	Burial lume(m3) 3,441	Unit Cost of Burial 2.82	Surcharde 0		\$	Burial <u>Cost</u> 9,704
4. Restoration of Con	taminated Area	s on Facility	Ground					
			Tabl	e 8				
			Work Day	s				
<u>Task</u>	Foreman	Oper A	Oper B.			Total		Total Cost
Backfill and Restore Site Fill and Gravel	3	7	7			17	\$ \$	3,094 21,375
5. Final Radiation Surv	rey					-		
			Table	e 9				
			Work	Days				
<u>Task</u> Final Radiation Survey	Supervisor	Foreman	<u>H.P.</u>	Equip O	perator	<u>Total</u>		Total <u>Cost</u>
	tractor/Consult	ant Bid					\$	10,000

6. Site Stabilization, Long-Term Surveillance (if applicable)

Table 10

Work	Dave
AADIK	Davs

<u>Task</u>	Supervisor	<u>Foreman</u>	<u>H.P.</u>	Equip Operator	<u>Total</u>	Total <u>Cost</u>		
None.								
TOTAL for DECONTAMINATION & DECOMMISSIONING \$								
Contingency at 25%				•	\$	93,329		
TOTAL					\$	466,643		