

Table 7-1

Activity	Direct Cost ( \$,000)	Notes
1. Complete Reclamation Plan and Supporting Documents	\$438	Includes Responses to RAIs and Revisions to the Reclamation Plan, Groundwater Corrective Action Plan and Preparation of an Alternate Concentration Limit Application
2. NRC Charges for Reclamation Plan Review, EIS Preparation	\$340	Includes Review and Approval Reclamation Plan and Groundwater Corrective Action Plan and Completion of EIS
3. Contractor mobilization and demobilization	\$673	5% of lines 4, 5, 6, 7, 8, 9 and 11
4. Monitoring Well Removal and Replacement	\$63	Abandon and plug 25 wells
5. Disposal Cell Construction/Closure	\$2,948	Updated to reflect 2004 Settlement Agreement revisions to Cell Design
6. Off-Site Disposal of Raffinate Sludge	\$2,475	Includes SFC cost of loading, Transportation and Processing of Sludge at White Mesa (11,000 tons @ \$225/ton; credit for share of recovered uranium)
7. Other Sludge, Removal, Treatment and On-Site Disposal	\$2,731	Excavation, treatment and placement of other sludges in the cell (1,307,700 cu-ft @\$2.09/cu-ft); includes Pond 2 sidewalls and residue, CaF sludge.
8. Soil Remediation	\$1,793	DASR Appendix I, Table 10-1, Item 200 Total adjusted for remediation of soil (>100 pCiU/g o/s cell footprint; >570 in footprint). Unit costs are in 1995 \$ from Table 10-1 of M-K Report in Appendix I.  Soils > 100/570 pCiU/gm            811,685   cf   @    \$0.75 = \$   608,764 CaF <sub>2</sub> Basin Clay Liners            95,290   cf   @    \$0.66 = \$    62,891 Solid Waste Burials                51,100   cf   @    \$1.46 = \$    74,606 Pond 1 Spoils Pile                  437,000   cf   @    \$0.66 = \$   288,420 Interim Soils Storage Cell        154,887   cf   @    \$0.66 = \$   102,225 Pond 3E and 4 Clay Liners        219,100   cf   @    \$0.79 = \$   173,089 Clarifier Clay Liners              332,400   cf   @    \$0.66 = \$   219,384 Drummed LLW                      5,000    cf   @   \$12.05 = \$    60,250 Sanitary Lagoon Soil              56,400   cf   @    \$0.66 = \$    37,224 Emergency Basin Soil            162,500   cf   @    \$0.66 = \$   107,250 North Ditch Soil                   87,500   cf   @    \$0.66 = \$    57,750 Crushed Drums                    2,000    cf   @    \$0.66 = \$    1,320 Total                                  2,414,862                                  \$ 1,793,174
9. Building and Equip. Demolition	\$3,940	Estimate based on Old Cotter Mill demolition experience with asbetos abatement
10. Termination Survey	\$375	2,000 soil samples @ \$100 each plus gamma walkover survey – 500 hours @ \$50/hr plus \$150k assessment/NRC confirmation
11. Site Restoration	\$1,309	Cost to grade, place topsoil and re-vegetate excavations and other affected areas. Based on dozing approximately 12,768,000 cf of dike material into impoundments at \$0.071 per cf, grading 83 acres @ \$500/acre, applying 6 inches of topsoil to 124 acres (2,701,000 cf at \$0.11/cf) and seeding 124 acres at \$512/acre.
12. Groundwater Remediation	\$1,124	\$100,000 per year for 7 years plus \$100,000 for recovery systems installation plus \$350,000 for intercept trench expansion. Includes treatment of stormwater and waste water as necessary.
13. Engineering/Construction Management	\$2,446	15% of lines 3 through 11

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14. Post-Closure Monitoring Program	\$81	Post-closure monitoring includes the cost of purging, sampling and analysis for 25 wells for an additional sampling event for the first three to five years after cell closure, cell settlement monitoring, radon emission measurement and cell cover inspection and repair.
15. SFC Staff	\$6,400	SFC at current level of 6 plus management augmentation during decommissioning
16. Long-Term Site Control Fund	\$1,349	<p>Assumes an escrow fund at 2% interest to generate funds for the annual long-term maintenance costs of \$21,868. Costs include annual sampling of 25 monitoring wells and analysis for uranium, nitrate and arsenic, preparation of an annual report, NRC inspection fees, mowing 6 times per year, and \$500 annually for general maintenance.</p> <p><u>Sampling Costs</u></p> <p>Well Purging 80 h @ \$ 35 = \$ 2,800</p> <p>Well Sampling 80 h @ \$ 35 = \$ 2,800</p> <p><u>Analytical Costs</u></p> <p>Uranium 25 wells @ \$ 20 \$ 500</p> <p>Nitrate 25 wells @ \$ 15 \$ 375</p> <p>Arsenic 25 wells @ \$ 25 \$ 625</p> <p>Sample Prep 25 wells @ \$ 20 \$ 500</p> <p><u>Annual Report</u></p> <p>Manpower 80 h @ \$ 90 \$ 7,200</p> <p>Copying Costs \$ 200</p> <p><u>NRC Inspection Fees</u></p> <p>Travel Time 8 h @ \$ 156 \$ 1,248</p> <p>Inspection Time 4 h @ \$ 156 \$ 624</p> <p>Report Preparation 40 h @ \$ 156 \$ 6,240</p> <p><u>Mowing</u></p> <p>6 mowings 96 h @ \$ 35 \$ 3,360</p> <p><u>General Maintenance</u></p> <p>\$ 500</p> <p>Total \$ 26,972</p>
17. Long-term Groundwater Recovery and Treatment	\$1,300	13 years @ \$100,000/year
<b>Total Cost</b>	<b>\$29,785</b>	

	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
<b>INCOME</b>									
Disposition Of Inventory	0	0	0	0	0	0	0	0	0
Ranch Revenue	273	215	215	215	215	215	215	215	1778
Converdyn Fees (W/O Int.)	0	0	0	7119	7187	7255	7323	5753	34637
Interest Income	252	242	95	3	32	11	9	97	741
Other Income	40	0	0	0	0	0	0	0	40
Ga Settlement Fund	0	0	0	0	0	0	0	5400	5400
<b>TOTAL REVENUES</b>	565	457	310	7337	7434	7481	7547	11465	42596
<b>EXPENSES</b>									
<b>RECLAMATION TASKS</b>									
Rec Plan Prep	209	150	100	50	50	50	50	29	688
NRC REVIEW (SER And EIS)	337	327	100	0	0	0	0	0	764
Mob/Demob	0	0	200	216	0	0	220	30	666
Monitor Well Rem/Replc	45	138	0	0	0	42	0	0	225
Cell Construction	0	0	0	800	500	0	1648	0	2948
Off-Site Disp Raff Sldg	2153	2300	0	0	0	0	0	0	4453
Other Sldg/Sed. Disp	0	0	320	0	1117	1294	0	0	2731
Soil Remediation	0	0	0	600	600	336	0	0	1536
Bldg/Eqp Demolition	0	0	0	500	1738	1593	0	0	3831
Termination Survey	0	0	0	0	0	0	0	375	375
Site Restoration	286	0	0		0	800	380	150	1616
Gw Remediation	21	124	200	200	200	150	125	125	1145
Engr./Constr. Mgmt	0	0	100	1000	983	300	0	0	2383
Post Closure Monit	0	0	0	0		26	27	28	81
Personnel	0	0	844	1526	1563	1573	1095	700	7301
Long-Term Site Contrl	0	0	0	0	0	0	0	1125	1125
Long-Term Gw Treatment	0	0	0	0	0	0	0	1300	1300
<b>Total Reclamation Cost</b>	3051	3039	1864	4892	6751	6164	3545	3862	33168
<b>Recl Costs To Reserve</b>	2484	2438	1864	4892	6751	6164	3545	3862	32000
<b>GEN &amp; ADMIN</b>									
Personnel	1154	1200	600	490	490	495	495	495	5419
Nrc Region Inspections	6	6	8	18	30	15	9	9	101
Legal Fees	189	150	50	50	50	25	25	25	564
Taxes, Insurance & Other	923	867	800	800	800	800	500	300	5790
Ranch Costs	63	40	40	40	40	40	40	40	343
Fertilizer Ponds	84	48	48	48	0	0	0	0	228
<b>Total Gen &amp; Admin</b>	2419	2311	1546	1446	1410	1375	1069	869	12445
<b>TOTAL COSTS</b>	5470	5350	3410	6338	8161	7539	4614	4731	45613
<b>NET CASH FLOW</b>									
	-4905	-4893	-3100	999	-727	-58	2933	6734	
<b>CUM CASH BALANCE</b>									
	8076	3183	83	1082	355	297	3230	9964	