

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	<p>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.</p> <table border="0" data-bbox="805 919 1572 1339"> <tr> <td>Soils > 100/570 pCiU/gm</td> <td>811,685</td> <td>cf</td> <td>@</td> <td>\$0.75</td> <td>=</td> <td>\$</td> <td>608,764</td> </tr> <tr> <td>CaF₂ Basin Clay Liners</td> <td>95,290</td> <td>cf</td> <td>@</td> <td>\$0.66</td> <td>=</td> <td>\$</td> <td>62,891</td> </tr> <tr> <td>Solid Waste Burials</td> <td>51,100</td> <td>cf</td> <td>@</td> <td>\$1.46</td> <td>=</td> <td>\$</td> <td>74,606</td> </tr> <tr> <td>Pond 1 Spoils Pile</td> <td>437,000</td> <td>cf</td> <td>@</td> <td>\$0.66</td> <td>=</td> <td>\$</td> <td>288,420</td> </tr> <tr> <td>Interim Soils Storage Cell</td> <td>154,887</td> <td>cf</td> <td>@</td> <td>\$0.66</td> <td>=</td> <td>\$</td> <td>102,225</td> </tr> <tr> <td>Pond 3E and 4 Clay Liners</td> <td>219,100</td> <td>cf</td> <td>@</td> <td>\$0.79</td> <td>=</td> <td>\$</td> <td>173,089</td> </tr> <tr> <td>Clarifier Clay Liners</td> <td>332,400</td> <td>cf</td> <td>@</td> <td>\$0.66</td> <td>=</td> <td>\$</td> <td>219,384</td> </tr> <tr> <td>Drummed LLW</td> <td>5,000</td> <td>cf</td> <td>@</td> <td>\$12.05</td> <td>=</td> <td>\$</td> <td>60,250</td> </tr> <tr> <td>Sanitary Lagoon Soil</td> <td>56,400</td> <td>cf</td> <td>@</td> <td>\$0.66</td> <td>=</td> <td>\$</td> <td>37,224</td> </tr> <tr> <td>Emergency Basin Soil</td> <td>162,500</td> <td>cf</td> <td>@</td> <td>\$0.66</td> <td>=</td> <td>\$</td> <td>107,250</td> </tr> <tr> <td>North Ditch Soil</td> <td>87,500</td> <td>cf</td> <td>@</td> <td>\$0.66</td> <td>=</td> <td>\$</td> <td>57,750</td> </tr> <tr> <td>Crushed Drums</td> <td>2,000</td> <td>cf</td> <td>@</td> <td>\$0.66</td> <td>=</td> <td>\$</td> <td>1,320</td> </tr> <tr> <td style="text-align: right;">Total</td> <td>2,414,862</td> <td></td> <td></td> <td></td> <td></td> <td>\$</td> <td>1,793,174</td> </tr> </table>	Soils > 100/570 pCiU/gm	811,685	cf	@	\$0.75	=	\$	608,764	CaF ₂ 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
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9. Building and Equip. Demolition	\$3,940	Estimate based on Old Cotter Mill demolition experience with asbestos 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> <table data-bbox="805 663 1580 726"> <tr> <td>Well Purging</td> <td>80 h</td> <td>@ \$ 35 = \$</td> <td>2,800</td> </tr> <tr> <td>Well Sampling</td> <td>80 h</td> <td>@ \$ 35 = \$</td> <td>2,800</td> </tr> </table> <p><u>Analytical Costs</u></p> <table data-bbox="805 768 1580 894"> <tr> <td>Uranium</td> <td>25 wells @ \$ 20</td> <td>\$</td> <td>500</td> </tr> <tr> <td>Nitrate</td> <td>25 wells @ \$ 15</td> <td>\$</td> <td>375</td> </tr> <tr> <td>Arsenic</td> <td>25 wells @ \$ 25</td> <td>\$</td> <td>625</td> </tr> <tr> <td>Sample Prep</td> <td>25 wells @ \$ 20</td> <td>\$</td> <td>500</td> </tr> </table> <p><u>Annual Report</u></p> <table data-bbox="805 936 1580 999"> <tr> <td>Manpower</td> <td>80 h</td> <td>@ \$ 90</td> <td>\$ 7,200</td> </tr> <tr> <td>Copying Costs</td> <td></td> <td></td> <td>\$ 200</td> </tr> </table> <p><u>NRC Inspection Fees</u></p> <table data-bbox="805 1041 1580 1125"> <tr> <td>Travel Time</td> <td>8 h</td> <td>@ \$ 156</td> <td>\$ 1,248</td> </tr> <tr> <td>Inspection Time</td> <td>4 h</td> <td>@ \$ 156</td> <td>\$ 624</td> </tr> <tr> <td>Report Preparation</td> <td>40 h</td> <td>@ \$ 156</td> <td>\$ 6,240</td> </tr> </table> <p><u>Mowing</u></p> <table data-bbox="805 1167 1580 1188"> <tr> <td>6 mowings</td> <td>96 h</td> <td>@ \$ 35</td> <td>\$ 3,360</td> </tr> </table> <p><u>General Maintenance</u></p> <table data-bbox="805 1230 1580 1293"> <tr> <td></td> <td></td> <td></td> <td>\$ 500</td> </tr> <tr> <td style="text-align: right;">Total</td> <td></td> <td></td> <td><u>\$ 26,972</u></td> </tr> </table>	Well Purging	80 h	@ \$ 35 = \$	2,800	Well Sampling	80 h	@ \$ 35 = \$	2,800	Uranium	25 wells @ \$ 20	\$	500	Nitrate	25 wells @ \$ 15	\$	375	Arsenic	25 wells @ \$ 25	\$	625	Sample Prep	25 wells @ \$ 20	\$	500	Manpower	80 h	@ \$ 90	\$ 7,200	Copying Costs			\$ 200	Travel Time	8 h	@ \$ 156	\$ 1,248	Inspection Time	4 h	@ \$ 156	\$ 624	Report Preparation	40 h	@ \$ 156	\$ 6,240	6 mowings	96 h	@ \$ 35	\$ 3,360				\$ 500	Total			<u>\$ 26,972</u>
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17. Long-term Groundwater Recovery and Treatment	\$1,300	13 years @ \$100,000/year																																																								
Total Cost	\$29,785																																																									

	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
INCOME									
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
TOTAL REVENUES	565	457	310	7337	7434	7481	7547	11465	42596
EXPENSES									
RECLAMATION TASKS									
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
Total Reclamation Cost	3051	3039	1864	4892	6751	6164	3545	3862	33168
Recl Costs To Reserve	2484	2438	1864	4892	6751	6164	3545	3862	32000
GEN & ADMIN									
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
Total Gen & Admin	2419	2311	1546	1446	1410	1375	1069	869	12445
TOTAL COSTS	5470	5350	3410	6338	8161	7539	4614	4731	45613
NET CASH FLOW									
	-4905	-4893	-3100	999	-727	-58	2933	6734	
CUM CASH BALANCE									
	8076	3183	83	1082	355	297	3230	9964	