

UNITED STATES DEPARTMENT OF ENERGY



FISCAL YEAR 2024 STATUS REPORT

**REIMBURSEMENTS TO LICENSEES OF ACTIVE URANIUM
AND THORIUM PROCESSING SITES**

**TITLE X OF THE ENERGY POLICY ACT OF 1992
NOVEMBER 2024**

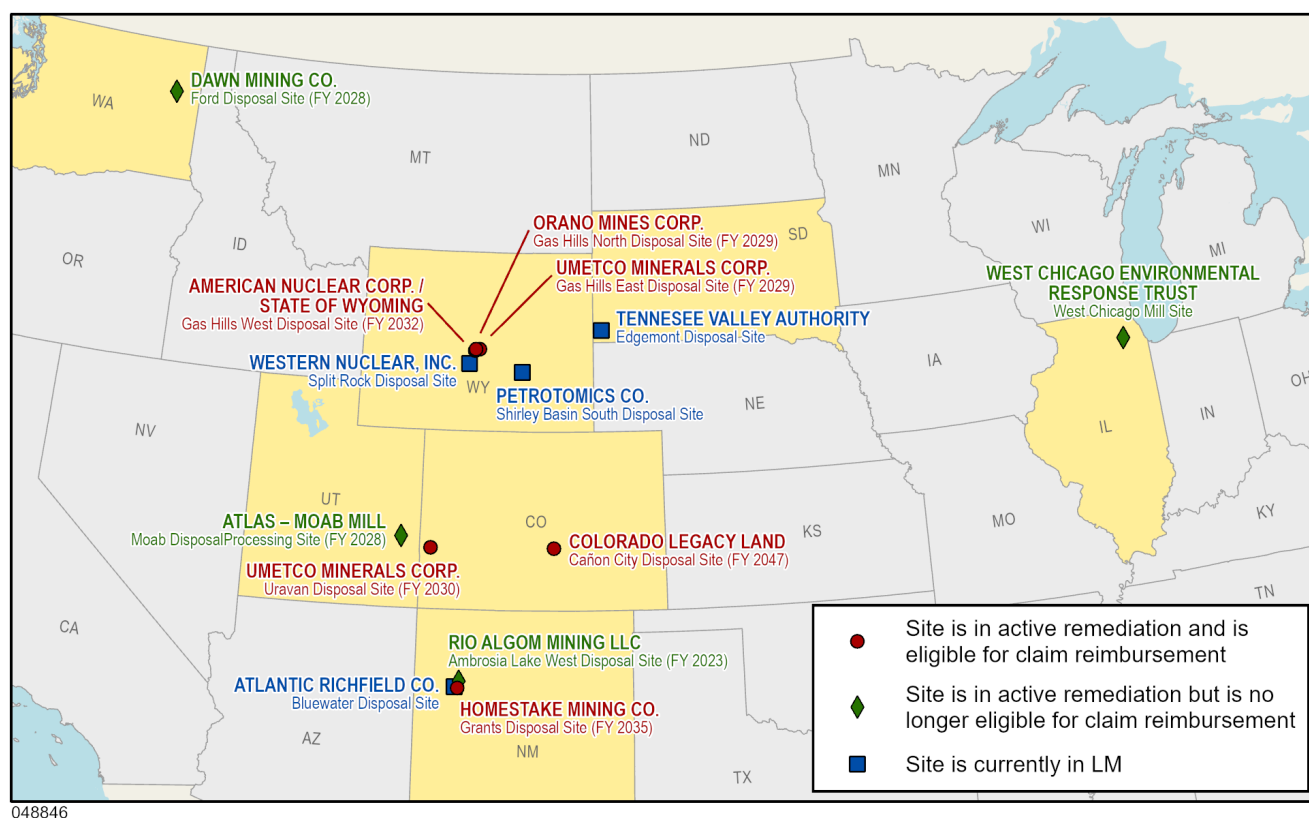
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1. EXECUTIVE SUMMARY

This report summarizes U.S. Department of Energy (DOE) activities for fiscal year (FY) 2024 on reimbursements to licensees of active uranium and thorium processing sites under Title X of the Energy Policy Act of 1992 (Title X) (Public Law [PL] 102-486) (not specifically codified). This annual report is required by rule at 10 CFR 765.23 (59 FR 26726, May 23, 1994, as amended at 68 FR 32957, June 3, 2003). Exhibit 1 shows the eligible licensees and site locations for which Congress authorized DOE to reimburse certain costs of remedial action incurred to clean up mill tailings and other byproduct material generated as an incident of uranium or thorium sales to the Federal Government.

Exhibit 1: Eligible Licensees and Site Locations



See Exhibits 4 and 6 for site details.

The Background documents found in the Appendices are provided virtually where available in addition to the end of this document as background information on the Title X as follows:

- Appendix A provides background information on the Title X program.
- Appendix B is the statutory provision of Title X title X of the Energy Policy Act of 1992 (sections 1001-1004 of Pub. L. 102-486, 42 U.S.C. 2296a et seq.).
- Appendix C is 10 CFR 765, final rule issued on June 3, 2003, (68 FR 32955) adopting several technical and administrative amendments (e.g., statutory increases in the

reimbursement ceilings). Final Rule is at <https://www.ecfr.gov/current/title-10/chapter-III/part-765>.

- Appendix D provides a link to the guidance to licensees for submitting Title X claims.
- Appendix E are the annual Individual Claim Amounts and Payments from the inception of the Title X reimbursement program.
- Appendix F is a summary of the status of the remaining costs eligible for future claims.
- Appendix G is a summary of the Title X sites' remedial action status.

2. FY 2024 MAJOR ACTIVITIES

The following activities occurred in FY 2024:

- Completed financial reviews of claims submitted in FY 2023 (See Section 3.1 for more details).
- No reimbursements were made in FY 2024 due to no appropriation from Congress. See Appendix E, Exhibit E-32 for the status of approved claims and total reimbursements.
- On May 10, 2024, a Federal Register Notice announcing the acceptance of FY 2024 claims was published in the Federal Register.

The following sections discuss these activities. Appendix E contains annual tables summarizing the licensees' individual approved claim amounts and payments for FY 1994 through FY 2024.

2.1 Claims Received in FY 2023

A Federal Register Notice was issued on March 17, 2023 (88 FR 16428) establishing July 14, 2023, as the closing date for acceptance of claims in FY 2023 and notifying licensees that claims should be submitted to the DOE Office of Legacy Management for financial review. Four uranium licensees submitted claims in FY 2023 totaling \$9.717 million before application of the Federal reimbursement ratio. After financial reviews were conducted in FY 2024, it was determined that \$9.616 million were considered approved claim amounts and after the application of the Federal reimbursement ratio, \$4.155 million was approved for reimbursement, see Appendix E, Exhibit E-32.

2.2 FY 2024 Funding and Payments

The Department supports the continuation of the Title X Uranium and Thorium Reimbursement Program. Appendix E, Exhibit E-32 shows payments through FY 2024 and other reimbursement information for each licensee. Exhibit 2 summarizes the application of the last three years of appropriations from FY 2022-2024.

There was no congressional appropriation for Title X in FY 2024. Appendix E, Exhibit E-32 shows the amount of claims approved in FY 2024 and previously approved but unpaid claims from earlier fiscal years. The unpaid claim balance to date is \$8.973 million.

Exhibit 2. Recap of the Last Three Years of Appropriations: FY 2022 through FY 2024

Types of Funds	Expenditures (\$)	Appropriations (\$)
Consolidated Appropriations Act, 2022 (Public Law 117-103)		16,155,000
FY 2022 Reimbursement	(16,155,000)	
Consolidated Appropriations Act, 2023 (Public Law 117-328)		14,800,000
FY 2023 Reimbursement	(14,800,000)	
Consolidated Appropriations Act, 2024 (Public Law 118-42)		0
FY 2024 Reimbursement	0	
Balance of Funds at end of FY 2024	0	0

2.3 Adjustment of Reimbursement Ceilings

Exhibit 3 shows the annual adjustments to the per dry short ton uranium reimbursement limit and aggregate uranium and thorium reimbursement ceilings for inflation, amounts paid, and any statutory increases. The average monthly Consumer Price Index for All Urban Consumers (CPI-U) adjustment for 2024 was 1.041. The adjusted per dry short ton limit for individual uranium licensees and the adjusted remaining reimbursement ceilings for all uranium and thorium licensees as of September 30, 2024, were:

- Individual Uranium Per Dry Short Ton Limit \$13.46
- Remaining Uranium Reimbursement Ceiling \$74,895,648.71
- Remaining Thorium Reimbursement Ceiling \$0.00

Appendix A, Section A.2.2, contains background information on the inflation adjustment procedures.

Exhibit 3. Total Annual Reimbursements and Adjustments of Reimbursement Ceilings

Adjustment	CPI-U Change	Uranium Licenses (\$)	Thorium License (\$)	Totals (\$)	Uranium Preliminary Dry Short Ton Limit (\$)	Uranium Statutory Dry Short Ton Limit (\$)
Original Ceiling		270,000,000.00	40,000,000.00	310,000,000.00	4.78	5.50
1994 Inflation Adjustments	1.030	278,100,000.00	41,200,000.00	319,300,000.00	4.92	5.67
FY 1994 Payments		(33,368,448.46)	(7,000,351.53)	(40,368,799.99)		
Ceiling After FY 94 Payments		244,731,551.54	34,199,648.47	278,931,200.01		
1995 Inflation Adjustments	1.027	251,339,303.43	35,123,038.98	286,462,342.41	5.05	5.82
FY 1995 Payments		(30,213,035.89)	(11,478,964.10)	(41,691,999.99)		
Ceiling After FY 95 Payments		221,126,267.54	23,644,074.88	244,770,342.42		
1996 Inflation Adjustments	1.028	227,317,803.03	24,306,108.98	251,623,912.01	5.19	5.98
FY 1996 Payments		(32,282,901.63)	(9,567,098.37)	(41,850,000.00)		
Ceiling After FY 96 Payments		195,034,901.40	14,739,010.61	209,773,912.01		
1997 Inflation Adjustments	1.030	200,885,948.44	15,181,180.93	216,067,129.37	5.35	6.16
P.L. 104-259 Ceiling Increase		80,000,000.00	25,000,000.00	105,000,000.00	6.10	6.91
FY 1997 Payments		(22,058,321.76)	(11,886,678.24)	(33,945,000.00)		
Ceiling After FY 97 Payments		258,827,626.68	28,294,502.69	287,122,129.37		
1998 Inflation Adjustments	1.023	264,780,662.09	28,945,276.25	293,725,938.34	6.24	7.07
FY 1998 Payments		(25,756,933.96)	(14,143,006.04)	(39,900,000.00)		

Exhibit 3. Total Annual Reimbursements and Adjustments of Reimbursement Ceilings

Adjustment	CPI-U Change	Uranium Licenses (\$)	Thorium License (\$)	Totals (\$)	Uranium Preliminary Dry Short Ton Limit (\$)	Uranium Statutory Dry Short Ton Limit (\$)
Ceiling After FY 98 Payments		239,023,668.13	14,802,270.21	253,825,938.34		
1999 Inflation Adjustments	1.016	242,848,046.82	15,039,106.53	257,887,153.35		7.18
PL 105-388 Ceiling Increase		0.00	75,000,000.00	75,000,000.00		
FY 1999 Payments		(14,482,267.59)	(15,417,732.41)	(29,900,000.00)		
Ceiling After FY 99 Payments		228,365,779.23	74,621,374.12	302,987,153.35		
2000 Inflation Adjustments	1.022	233,389,826.37	76,263,044.35	309,652,870.72		7.34
FY 2000 Payments		(26,242,375.50)	(45,657,624.50)	(71,900,000.00)		
Ceiling After FY 00 Payments		207,147,450.87	30,605,419.85	237,752,870.72		
1st FY 2001 Payments		(9,807,070.94)	(20,115,958.04)	(29,923,028.98)		
Ceiling After 1st FY 01 Payments		197,340,379.93	10,489,461.81	207,829,841.74		
2001 Inflation Adjustments	1.034	204,049,952.85	10,846,103.51	214,896,056.36		7.59
2nd FY 2001 Payments		(10,943,159.14)	(10,846,103.51)	(21,789,262.65)		
Ceiling After 2nd FY 01 Payments		193,106,793.71	0.00-	193,106,793.71		
2002 Inflation Adjustments	1.028	198,513,783.93	0.00-	198,513,783.93		7.80
PL 107-222 Ceiling Increase		0.00-	225,000,000.00	225,000,000.00		
FY 2002 Payments		(8,337,050.69)	(9,592,656.31)	(17,929,707.00)		
Ceiling After FY 02 Payments		190,176,733.24	215,407,343.69	405,584,076.93		

Exhibit 3. Total Annual Reimbursements and Adjustments of Reimbursement Ceilings

Adjustment	CPI-U Change	Uranium Licenses (\$)	Thorium License (\$)	Totals (\$)	Uranium Preliminary Dry Short Ton Limit (\$)	Uranium Statutory Dry Short Ton Limit (\$)
2003 Inflation Adjustments	1.016	193,219,560.97	218,853,861.19	412,073,422.16		7.93
FY 2003 Payments		(988,812.00)	(14,832,188.00)	(15,821,000.00)		
Ceiling After FY 03 Payments		192,230,748.97	204,021,673.19	396,252,422.16		
2004 Inflation Adjustments	1.023	196,652,056.20	208,714,171.67	405,366,227.87		8.11
FY 2004 Payments		(6,049,464.11)	(44,449,635.89)	(50,499,100.00)		
Ceiling After FY 04 Payments		190,602,592.09	164,264,535.78	354,867,127.87		
1st FY 2005 Payment		(6,755,338.98)	(49,265,451.48)	(56,020,790.46)		
Ceiling After 1st FY 05 Payment		183,847,253.11	114,999,084.30	298,846,337.41		
2005 Inflation Adjustments	1.027	188,811,128.94	118,104,059.58	306,915,188.52		8.33
2nd FY 2005 Payments		(6,552,547.18)	(16,386,662.36)	(22,939,209.54)		
Ceiling After 2nd FY 05 Payment		182,258,581.76	101,717,397.22	283,975,978.98		
2006 Inflation Adjustments	1.034	188,455,373.54	105,175,788.73	293,631,162.27		8.61
FY 2006 Payments		(7,652,986.96)	(12,047,013.04)	(19,700,000.00)		
Ceiling After FY 06 Payments		180,802,386.58	93,128,775.69	273,931,162.27		
2007 Inflation Adjustments	1.032	186,588,062.95	96,108,896.51	282,696,959.46		8.89
FY 2007 Payments		(8,127,048.65)	(11,472,951.35)	(19,600,000.00)		
Ceiling after FY 07 Payments		178,461,014.30	84,635,945.16	263,096,959.46		

Exhibit 3. Total Annual Reimbursements and Adjustments of Reimbursement Ceilings

Adjustment	CPI-U Change	Uranium Licenses (\$)	Thorium License (\$)	Totals (\$)	Uranium Preliminary Dry Short Ton Limit (\$)	Uranium Statutory Dry Short Ton Limit (\$)
2008 Inflation Adjustments	1.028	183,457,922.70	87,005,751.62	270,463,674.32		9.14
FY 2008 Payments		(8,321,884.70)	(11,296,115.30)	(19,618,000.00)		
Ceiling After FY08 Payments		175,136,038.00	75,709,636.32	250,845,674.32		
2009 Inflation Adjustments	1.038	181,791,207.45	78,586,602.50	260,377,809.95		9.48
FY 2009 Payments		(14,181,497.14)	(17,689,057.46)	(31,870,554.60)		
Ceiling After FY09 Payments		167,609,710.31	60,897,545.04	228,507,255.35		
2010 Inflation Adjustments	1.000	167,609,710.31	60,897,545.04	228,507,255.35		9.48
FY2010 Payments		(6,418,227.28)	(7,335,561.84)	(13,753,789.12)		
Ceiling after FY10 Payments		161,191,483.03	53,561,983.20	214,753,466.23		
2011 Inflation Adjustments	1.016	163,770,546.76	54,418,974.93	218,189,521.69		9.64
FY2011 Payments		(6,956,290.04)	(2,316,623.16)	(9,272,913.20)		
Ceiling After FY 11 Payments		156,814,256.72	52,102,351.77	208,916,608.49		
2012 Inflation Adjustments	1.032	161,832,312.94	53,769,627.03	215,601,939.96		9.94
FY2012 Payments		(6,250,845.06)	(8,751,897.62)	(15,002,742.68)		
Ceiling After FY 12 Payments		155,581,467.88	45,017,729.41	200,599,197.29		
2013 Inflation Adjustments	1.021	158,848,678.71	45,963,101.73	204,811,780.44		10.15
FY 2013 Payments		0.00	0.00	0.00		

Exhibit 3. Total Annual Reimbursements and Adjustments of Reimbursement Ceilings

Adjustment	CPI-U Change	Uranium Licenses (\$)	Thorium License (\$)	Totals (\$)	Uranium Preliminary Dry Short Ton Limit (\$)	Uranium Statutory Dry Short Ton Limit (\$)
Ceiling After FY 13 Payments		158,848,678.71	45,963,101.73	204,811,780.44		
2014 Inflation Adjustments	1.015	161,231,408.89	46,652,548.26	207,883,957.15		10.30
FY 2014 Payments		0.00	0.00	0.00		
Ceiling After FY 14 Payments		161,231,408.89	46,652,548.26	207,883,957.15		
2015 Inflation Adjustments	1.016	163,811,111.43	47,398,989.03	211,210,100.46		10.47
FY 2015 Payments		(4,569,242.36)	(5,430,757.64)	(10,000,000.00)		
Ceiling After FY 15 Payments		159,241,869.07	41,968,231.39	201,210,100.46		
2016 Inflation Adjustments	1.001	159,401,110.94	42,010,199.62	201,411,310.56		10.48
FY 2016 Payments		(15,357,244.35)	(17,601,755.65)	(32,959,000.00)		
Ceiling After FY-16 Payments		144,043,866.59	24,408,443.97	168,452,310.56		
2017 Inflation Adjustments	1.013	145,916,436.86	24,725,753.74	170,642,190.60		10.62
FY 2017 Payments		(17,047,348.84)	(12,952,651.16)	(30,000,000.00)		
Ceiling After FY 17 Payments		128,869,088.02	11,773,102.58	140,648,190.60		
2018 Inflation Adjustments	1.021	131,575,338.87	12,020,337.73	143,595,676.00		10.84
FY 2018 Payments		(26,183,441.55)	(9,545,558.45)	(35,732,000.00)		
Ceiling After FY 18 Payments		105,391,897.32	2,471,779.28	107,863,676.60		
2019 Inflation Adjustments	1.024	107,921,302.86	2,531,101.98	110,452,404.84		11.10

Exhibit 3. Total Annual Reimbursements and Adjustments of Reimbursement Ceilings

Adjustment	CPI-U Change	Uranium Licenses (\$)	Thorium License (\$)	Totals (\$)	Uranium Preliminary Dry Short Ton Limit (\$)	Uranium Statutory Dry Short Ton Limit (\$)
FY 2019 Payments		(9,778,651.86)	(1,221,348.14)	(11,000,000.00)		
Ceiling After FY 19 Payments		98,142,651.00	1,309,753.84	99,452,404.84		
2020 Inflation Adjustments	1.018	99,909,218.73	1,333,329.41	101,242,548.14		11.30
FY 2020 Payments		(4,384,594.24)	(865,405.76)	(5,250,000.00)		
Ceiling After FY 20 Payments		95,524,624.49	467,923.65	95,992,548.14		
2021 Inflation Adjustments	1.012	96,670,919.98	473,538.73	97,144,458.71		11.43
FY 2021 Payments		(4,705,640.85)	(294,359.15)	(5,000,000.00)		
Ceiling After FY 21 Payments		91,965,279.13	179,179.58	92,144,458.71		
2022 Inflation Adjustment	1.047	96,287,647.25	187,601.02	96,475,248.27		11.97
FY 2022 Payments		(15,967,398.98)	(187,601.02)	(16,155,000.00)		
Ceiling After FY 22 Payments		80,320,248.27	0.00	80,320,248.27		
2023 Inflation Adjustment	1.080	86,745,868.13	0.00	86,475,248.27		12.93
FY 2023 Payments		(14,800,000.00)	0.00	(14,800,000.00)		
Ceiling After FY 23 Payments		71,945,868.13	0.00	71,945,868.13		
2024 Inflation Adjustment	1.041	74,895,648.71	0.00	74,895,648.71		13.46
FY 2024 Payments		0.00	0.00	0.00		
Ceiling After FY 24 Payments		74,895,648.71		74,895,648.71		

Exhibit 3. Total Annual Reimbursements and Adjustments of Reimbursement Ceilings

Adjustment	CPI-U Change	Uranium Licenses (\$)	Thorium License (\$)	Totals (\$)	Uranium Preliminary Dry Short Ton Limit (\$)	Uranium Statutory Dry Short Ton Limit (\$)
Total Payments through FY 2024		404,540,130.69	399,651,767.52	804,191,898.21		
Total Statutory Reimbursement Ceilings (excluding inflation adjustments)		350,000,000.00	365,000,000.00	715,000,000.00		

2.4 Plans for Subsequent Remedial Action

Section 1001(b)(1)(B)(ii) of Title X directs that reimbursement of any remedial action costs incurred after December 31, 2007, must be in accordance with a plan for subsequent decontamination, decommissioning, reclamation, and other remedial action (Plan) approved by DOE (see Appendix B). This requirement is described in the Title X regulation (see Appendix C; 10 CFR Part 765.30 and 765.31). The regulation provides the basic procedures for licensees to prepare and submit these Plans and for DOE to approve them. Supplemental guidance was provided to assist the licensees in understanding this requirement and to prepare these Plans in a consistent manner to assist DOE in the review and approval of the Plans.

By the end of December 2006, the Department had received a Plan from each of the 10 licensees eligible to submit a Plan. Those Plans were reviewed by DOE during 2007. Comments were provided to several of the licensees to obtain clarification or additional information, and those licensees provided the additional information required by 10 CFR 765.30. From June through August 2007, DOE provided written approval to the 10 licensees.

Approval of each Plan established a maximum dollar amount that each licensee would be eligible to claim for costs incurred after calendar year 2007. Exhibit 4 summarizes the approved cost estimates in those Plans, the remaining amounts that could be claimed, and the remaining Title X liability for each licensee following the payments made through FY 2024:

- The second column in Exhibit 4 shows, for each licensee submitting a Plan, the Federal share of the maximum reimbursements for remedial action costs at each site per 10 CFR 765.30. Each amount includes all approved amounts through the claims approved in early 2008, and each licensee's estimated cost of remedial action in 2008 through the completion of cleanup and closure of their site.
- The third column, Maximum Federal Share of Future Reimbursable Claims after FY 2024 Payments, shows the maximum amount each licensee is eligible to submit claims in the future. Appendix F provides a table showing this value for FY 2007 through FY 2023, and how it was calculated each year. In general, it is calculated each year by subtracting from the previous year's value the final approved claim amount for that year and adjusting the remaining amount based on the change in the average CPI-U for that year.
- The last column shows the total remaining Title X liability for each licensee following the payments made through FY 2024. The amounts for the uranium licensees are equal to the sum of the Maximum Federal Share of Future Reimbursable Claims after FY 2024 Payments (third column) and unpaid claim balances after payment (Exhibit E-32, seventh column). The amount for the thorium licensee is the remaining thorium reimbursement authority as discussed in Section 3.3.

Exhibit 4. Maximum Federal Share of Remedial Action Costs in Approved Plans for Subsequent Remedial Action and Remaining Title X Liability after FY 2024 Payments

Licensee	Federal Share of Total Costs in Approved Plans for Subsequent Remedial Action ¹	Maximum Federal Share of Future Reimbursable Claims after FY 2024 Payments ²	Maximum Federal Share of Remaining Title X Program Liability after FY 2024 Payments ^{3,4}
State of Wyoming (ANC Site)	\$2,820,674.07	\$799,010.44	\$799,010.44
Cotter/Colorado Legacy Land	\$6,220,297.23	\$1,641,767.08	\$1,897,776.26
Homestake Mining Company	\$132,143,076.35	\$36,875,950.78	\$40,374,521.24
Pathfinder Mines Corporation	\$11,037,356.70	\$368,967.92	\$368,967.92
Umetco Minerals Corporation-CO	\$87,924,859.06	\$12,304,969.53	\$17,392,308.32
Umetco Minerals Corporation-WY	\$26,518,489.35	\$891,968.59	\$1,022,605.42
Subtotal	\$266,664,752.76	\$52,882,634.36	\$61,855,189.62
Licensees with No Remaining Federal Liability			
Atlantic Richfield Company	N/A	N/A	\$0.00
Dawn Mining Company ⁵	\$18,056,205.96	\$0.00	\$0.00
Moab Site Licensees	N/A	N/A	\$0.00
Petrotomics Company	N/A	N/A	\$0.00
Rio Algom Mining LLC ⁶	\$47,107,063.51	\$0.00	\$0.00
Tennessee Valley Authority	N/A	N/A	\$0.00
Western Nuclear, Incorporated ⁷	\$33,430,218.28	\$0.00	\$0.00
West Chicago Env. Resp. Trust ⁸	\$401,391,628.45	\$0.00	\$0.00
Total	\$766,649,868.96	\$52,882,634.36	\$61,855,189.62

Notes:

1: Federal Share of Total Costs in Approved Plans for Subsequent Remedial Action (PFSRA) is the total estimated cost for each site submitting a Plan multiplied by the Federal Reimbursement Ratio for each site per 10CFR765.30. (Amounts are in current dollars for the years claimed for work performed prior to 2007; and in constant 2007 dollars for estimated costs in 2007 and beyond.)

2: Maximum Federal Share of Future Claims after FY 2024 Payments is the maximum total amount that each licensee is eligible to claim in future claims. The table in Appendix F shows these amounts for FY 2007 through 2024 and how it was calculated each year (Amounts are in constant 2023 dollars.)

3: Maximum Federal Share of Remaining Title X Program Liability is the sum of the column to the left and the total unpaid claim balance after payment which includes approved costs for uranium licensees that are within and exceed the dry short ton ceiling. (The amounts are in constant 2023 dollars, except approved costs in excess of the uranium dry short ton limit are in current dollars for the years claimed.)

4: Maximum Federal Share of Remaining Title X Program Liability for the thorium is the remaining thorium statutory reimbursement ceiling shown in Section 2.3. The remaining thorium liability is the amount of approved unpaid claims in current dollars for the years claimed because no additional claims will be accepted (see Note 8).

5: Dawn Mining Company: With Dawn Mining Company's FY 2015 submission of Title X claims, their total claim amount exceeded the approved PFSRA amount (\$18,056,205.96). DOE will no longer accept future claims in FY 2016 or beyond. In addition, with the FY 2023 payment DOE has fully reimbursed Dawn Mining Company for all of its past claims so the remaining liability is \$0. This company will continue to complete its remediation efforts.

6: Rio Algom Mining LLC: With Rio Algom Mining LLC's FY 2016 submission of Title X claims, their total claim amount exceeded the approved PFSRA amount (\$47,107,063.51). DOE will no longer accept future claims in FY 2017 or beyond. In addition, with the FY 2018 payment DOE has fully reimbursed Rio Algom Mining LLC for all of its past claims so the remaining liability is \$0. This company will continue to complete its remediation efforts.

7: Western Nuclear, Inc.: With Western Nuclear, Inc.'s FY 2018 submission of Title X claims, their total claim amount exceeded the approved PFSRA amount (\$33,430,218.28). DOE will no longer accept future claims in FY 2019 or beyond. In addition, with the FY 2019 payment DOE has fully reimbursed Western Nuclear, Inc. for all of its past claims so the remaining liability is \$0. This site was transferred to DOE for long-term stewardship in 2023.

8: West Chicago (WCERT): With WCERT's FY 2019 Title X claim submission, their total claim amount exceeded the Thorium statutory ceiling (\$365,000,000 plus adjustments for inflation). With WCERT being over the Thorium statutory ceiling, DOE will no longer accept future claims in FY 2020 or beyond from WCERT. Therefore, the Maximum Federal Share of Future Reimbursable Claims after Payments amount for WCERT is \$0. In addition, with the FY 2022 payment DOE has fully reimbursed WCERT for all of its past claims so the remaining liability is \$0. This entity will continue to complete its remediation efforts.

3. REIMBURSEMENT SUMMARY

Exhibit 5 summarizes the total amounts claimed, adjusted, disallowed, and reimbursed for FY 1994 through FY 2024, and Exhibit 6 presents the total reimbursements made to individual licensees during FY 1994 through FY 2024.

From FY 1994 through FY 2024, licensees submitted \$1.83 billion in total claims, before review and application of the Federal reimbursement ratios. Of this amount, DOE disallowed \$75.2 million because the costs did not meet the 10 CFR Part 765 reimbursement criteria and approved \$1.75 billion, of which the Federal share was \$813.15 million after application of the Federal reimbursement ratios. Through FY 2024, reimbursements to all uranium and thorium licensees totaled \$804.19 million.

The remedial action status of the 14 Title X sites is summarized in Appendix G. As of September 30, 2024:

- Nine sites are continuing remedial activities, six of which DOE is continuing to provide reimbursements.¹
- Four sites (ARCO-Bluewater mill site, TVA-Edgemont mill site, Petrotomics-Shirley Basin mill site, and Western Nuclear-Split Rock mill site) have been completed, and the disposal cells transferred to DOE for long-term surveillance and maintenance. All eligible Title X costs have been reimbursed to these four sites.
- One site (Moab mill site) was transferred to DOE for remedial action under Public Law 106-398. Therefore, the site is no longer eligible for Title X reimbursement.

¹ As noted in Exhibit 4, Dawn Mining Company and Rio Algom Mining LLC have exceeded their approved PFSRA amounts, and West Chicago Environmental Response Trust has exceeded the thorium statutory ceiling – DOE will no longer accept future claims from these sites. With the FY 2018 payment, DOE has fully reimbursed Rio Algom Mining LLC for all of its past claims, so the remaining liability is \$0. With the FY 2019 payment, DOE has fully reimbursed Western Nuclear, Inc. for all of its past claims so the remaining liability is \$0. With the FY 2022 payment, DOE has fully reimbursed West Chicago Env. Resp. Trust for all of its past claims so the remaining liability is \$0. With the FY 2023 payment, DOE has fully reimbursed Dawn Mining Company for all of their past claim, so the remaining liability is \$0. Reclamation continues at the Dawn Mining Company, Rio Algom Mining LLC, and West Chicago Environmental Response Trust sites.

Exhibit 5. Summary of Annual Claims, Approved Amounts, and Payments

Year	Total Amounts Claimed	Total Adjustments	Total Disallowed Costs	Total Approved Claim Amounts	Federal Share of Total Approved Claim Amounts	Payments Issued
FY 1994	\$311,601,045.21	\$355,343.70	(\$26,893,563.99)	\$285,062,824.92	\$124,943,773.57	\$40,368,799.99
FY 1995	\$134,673,942.68	(\$172.57)	(\$5,061,580.19)	\$129,612,189.92	\$54,788,386.70	\$41,691,999.99
FY 1996	\$80,810,538.68	\$242,189.00	(\$2,985,967.10)	\$78,066,760.58	\$36,662,672.15	\$41,850,000.00
FY 1997	\$94,430,446.77	\$1,951.00	(\$3,002,072.92)	\$91,430,324.85	\$47,938,974.10	\$33,945,000.00
FY 1998	\$77,327,077.55	\$192.00	(\$1,316,724.59)	\$76,010,544.96	\$35,244,051.75	\$39,900,000.00
FY 1999	\$100,650,696.83	(\$1,435,855.00)	(\$270,748.52)	\$98,944,093.31	\$49,400,985.21	\$29,900,000.00
FY 2000	\$100,003,702.33	\$35,052.00	(\$1,089,705.00)	\$98,949,049.33	\$49,054,132.39	\$71,900,000.00
FY 2001	\$26,847,968.69	\$266,502.97	(\$937,297.61)	\$26,177,174.05	\$9,849,727.19	\$51,712,291.63
FY 2002	\$157,124,487.88	\$0.00	(\$491,101.00)	\$156,633,386.88	\$79,654,978.14	\$17,929,707.00
FY 2003	\$77,147,888.17	\$0.00	(\$7,621,720.00)	\$69,526,168.17	\$33,760,205.01	\$15,821,000.00
FY 2004	\$50,746,774.59	\$26,174.00	(\$1,518,545.00)	\$49,254,403.59	\$23,859,320.07	\$50,499,100.00
FY 2005	\$46,812,683.96	\$0.00	(\$844,576.16)	\$45,968,107.80	\$21,367,403.34	\$78,960,000.00
FY 2006	\$56,482,207.99	\$0.00	(\$3,149,255.00)	\$53,332,952.99	\$23,610,469.76	\$19,700,000.00
FY 2007	\$57,676,613.39	\$0.00	(\$2,559,864.00)	\$55,116,749.39	\$24,889,654.48	\$19,600,000.00
FY 2008	\$53,167,981.98	\$0.00	(\$3,397,457.00)	\$49,770,524.98	\$23,264,863.69	\$19,618,000.00
FY 2009	\$35,027,424.25	\$0.00	(\$855,291.00)	\$34,172,133.25	\$14,965,536.51	\$31,870,554.60
FY 2010	\$19,615,551.79	\$0.00	(\$778,344.00)	\$18,837,207.79	\$7,794,426.23	\$13,753,789.12
FY 2011	\$40,757,530.13	\$0.00	(\$2,466,914.59)	\$38,290,615.54	\$19,545,412.42	\$9,272,913.20
FY 2012	\$35,945,531.12	\$0.00	(\$1,070,826.38)	\$34,874,704.74	\$17,287,675.82	\$15,002,742.68
FY 2013	\$33,210,907.14	\$0.00	(\$67,068.57)	\$33,143,838.57	\$17,492,409.15	\$0.00
FY 2014	\$38,210,907.14	\$0.00	(\$732,050.56)	\$37,478,348.17	\$16,083,045.57	\$0.00
FY 2015	\$49,570,106.10	\$0.00	(\$1,275,128.99)	\$48,294,977.11	\$21,406,031.33	\$10,000,000.00
FY 2016	\$46,434,110.65	\$0.00	(\$1,300,570.00)	\$45,133,540.65	\$16,253,651.97	\$32,959,000.00
FY 2017	\$18,991,429.65	\$0.00	(\$1,458,657.00)	\$17,532,772.65	\$8,990,361.67	\$30,000,000.00
FY 2018	\$11,927,652.58	\$754,176.00 ²	(\$962,560.00)	\$11,719,268.58	\$5,863,270.94	\$35,732,000.00
FY 2019	\$20,181,386.79	\$0.00	(\$1,972,040.00)	\$18,209,346.79	\$8,282,437.67	\$11,000,000.00
FY 2020	\$18,049,573.14	\$0.00	(\$322,817.00)	\$17,726,757.14	\$7,082,225.74	\$5,250,000.00
FY 2021	\$11,181,182.51	\$0.00	(\$103,099.00)	\$11,078,083.51	\$4,512,792.19	\$5,000,000.00
FY 2022	\$13,210,043.94	\$0.00	(\$624,358.00)	\$12,585,685.94	\$5,146,812.85	\$16,155,000.00
FY 2023	\$9,716,820.43	\$0.00	(\$100,343.00)	\$9,616,477.43	\$4,154,729.09	\$14,800,000.00
FY 2024	TBD ¹	TBD	TBD	TBD	TBD	\$0.00
	\$1,827,533,705.65	\$245,553.10	(\$75,231,246.17)	\$1,752,548,012.58	\$813,150,416.70	\$804,191,898.22

Notes:

¹ To be determined (TBD) pending the completion of DOE's review of claims submitted by September 30, 2024.

² DOE reassessed Homestake claims submitted in 2016 and found an understated approved claim amount of \$603,545.00. DOE also reassessed Umetco Uravan and Umetco Gas Hills claims submitted in 2017 and found understated approved claim amounts of \$135,510.00 and \$15,121.00, respectively. These amounts have been noted as Adjustments for the purposes of this table. They have been characterized as Homestake and Umetco's approved 2018 claim amount in Exhibit D-27, and after applying the federal reimbursement ratio, the approved unpaid claim balances have been increased accordingly.

Exhibit 6. Total Reimbursements to Individual Licensees through FY 2024

Licensee	Total Payments FY 1994 through FY 2024
<i>Title X Cleanup and Liability Completed</i>	
Atlantic Richfield Company Bluewater Mill Site, Grants, NM	\$32,305,902.36
Petrotomics Company Shirley Basin Mill Site	\$2,850,428.21
Tennessee Valley Authority Edgemont Mill Site, Edgemont, SD	\$25,130,013.72
Western Nuclear Incorporated Split Rock Mill Site, Jeffrey City, WY	
<i>Title X Liability Completed but Cleanup Ongoing</i>	
Dawn Mining Company Ford Mill Site, Ford, WA	\$19,150,583.19
Moab Mill Site Moab, UT	\$9,694,190.01 (Note: of which \$5,908,653.53 to Atlas Corp.; \$2,994,444.74 to Moab Mill Reclamation Trust; and \$791,091.74 to Trust Beneficiaries: Utah/NRC)
Rio Algom Mining LLC (formerly Quivira) Ambrosia Lake Mill Site, Grants, NM	\$48,081,085.86
West Chicago Environmental Response Trust West Chicago Mill Site, West Chicago, IL	\$399,651,767.52
<i>Cleanup Ongoing/Incurring Costs Eligible for Title X Reimbursement</i>	
American Nuclear Corporation/State of WY Gas Hills Mill Site, Gas Hills Uranium Mining District, WY	ANC: \$820,406.91 State of WY: \$1,485,485.36
Cotter Corporation/Colorado Legacy Land Canon City Mill Site, Canon City, CO	Cotter: \$3,410,545.95 CLL: \$1,895,940.62
Homestake Mining Company Grants Mill Site, Grants, NM	\$113,661,496.02
Pathfinder Mines Corporation Lucky Mc Mill Site, Riverton, WY	\$10,789,748.96
Umetco Minerals Corporation Uravan Mill Site, Uravan, CO	\$75,521,974.52
Umetco Minerals Corporation Gas Hills East Mill Site, Gas Hills Uranium Mining District, WY	\$26,106,222.97
Total	\$804,191,898.22

4. CONTACT INFORMATION

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APPENDIX A. STATUTORY AND REGULATORY OVERVIEW

This appendix outlines the historical basis, legislation, and regulations for reimbursing licensees of active uranium and thorium processing sites for cleanup costs associated with byproduct material generated as an incident of uranium and thorium sales to the Federal Government. Key milestones are listed in Exhibit A-1.

A.1 Historical Background

From 1942 through 1970, the U.S. Army Manhattan Engineer District and the Atomic Energy Commission entered several contracts with commercially operated mills to purchase uranium concentrate in support of U.S. defense programs. Because of the limited knowledge of the radiological hazards created by the resulting mill process wastes, such as tailings (a mildly radioactive sand-like material generated by the crushing, grinding, and milling of uranium ore-bearing rock), these contracts lacked provisions for managing and remediating these wastes.

By the early 1970's, studies of the environmental impacts of uranium mill tailings revealed that there were potentially significant health risks associated with continued exposure to radon and other decay products of uranium. As a result, Congress enacted the Uranium Mill Tailings Radiation Control Act (UMTRCA) in 1978 to establish standards for the management and reclamation of mill tailings and other process wastes. Title I of UMTRCA authorizes the Department of Energy (DOE) to remediate “inactive” processing sites. Inactive processing sites are those that were no longer licensed under the Atomic Energy Act as of January 1, 1978. The Federal Government paid 90 percent of the cleanup costs at these sites and the affected States paid 10 percent. Title II of UMTRCA established a program authorizing the Nuclear Regulatory Commission to regulate byproduct material at “active” processing sites (i.e., those with active licenses under the Atomic Energy Act on or after January 1, 1978) to ensure sound management of tailings throughout the production, reclamation, and disposal phases.

UMTRCA did not provide for Federal assistance to licensees of active uranium processing sites, including those that sold material under contract to the Atomic Energy Commission and its predecessor agencies. In 1979, the General Accounting Office reported to Congress that Federal assistance should be provided to these active licensees to defray a portion of the cost of remediating Federal-related byproduct material at their sites.

Exhibit A-1. Key Milestones

November 8, 1978	Uranium Mill Tailings Radiation Control Act is enacted
October 24, 1992	Energy Policy Act is enacted
August 9, 1993	Proposed Title X rule is issued (58 FR 42450)
May 23, 1994	Final Title X rule is promulgated under 10 CFR Part 765 (59 FR 26714)
October 9, 1996	Public Law 104-259 is enacted
November 13, 1998	Public Law 105-388 is enacted
October 19, 2000	Public Law 106-317 is enacted
August 21, 2002	Public Law 107-222 is enacted
June 3, 2003	Technical amendment to 10 CFR Part 765 is issued (68 FR 32955)

A.2 Summary of Legislative and Regulatory Requirements

A.2.1 Legislative

Title X, as amended by Public Laws 104-259, 105-388, 106-317, and 107-222, directed DOE to do the following:

- Issue regulations governing the reimbursement process.
- Reimburse, at least annually, licensees of active uranium and thorium processing sites for costs incurred to remediate Federal-related byproduct material. Under the original Act, reimbursements to individual uranium licensees were limited to an amount not to exceed \$5.50 multiplied by the dry short tons of Federal-related byproduct material; total reimbursement to all active uranium licensees was limited to \$270 million; reimbursement to the thorium licensee was limited to \$40 million; and total reimbursement to all licensees was limited to \$310 million. These ceilings were subsequently increased by Public Laws 104-259, 105-388, and 107-222. The per dry short ton limit for uranium licensees was increased to \$6.25, and the total authorized reimbursement for uranium and thorium licensees was increased to \$350 million and \$365 million, respectively, for an aggregate amount of \$715 million. Funding for the Title X reimbursements is to be provided through the Uranium Enrichment Decontamination and Decommissioning Fund established under Title XI of the Energy Policy Act of 1992.
- Adjust the reimbursement ceilings annually for inflation.
- Reimburse licensees in accordance with a plan for subsequent remedial action submitted by each licensee and approved by the Department for costs of remedial action incurred after December 31, 2007.
- Determine by December 31, 2008, if excess funding authority is available to reimburse individual uranium licensees whose costs exceeded the statutory per dry short ton limit and make a decision if that excess authority should be made available to those licensees.

A.2.2 Regulatory

DOE issued the proposed rule for implementing Title X on August 9, 1993, (58 FR 42450). After conducting a public hearing on September 14, 1993, and considering public comments, DOE promulgated a final rule on May 23, 1994, under 10 CFR Part 765 (59 FR 26714). On June 3, 2003, DOE issued a technical and administrative amendment (68 FR 32955) to 10 CFR Part 765 updating the original regulations to reflect legislative increases in the reimbursement ceilings and other technical corrections.

In conjunction with the May 23, 1994, final rulemaking, DOE issued supplementary guidance titled “*Guidance for the Preparation of Reimbursement Claims under Title X of the Energy Policy Act of 1992.*” This guidance addresses regulatory and accounting requirements, standards, and concepts that apply to the processes of documenting and filing claims for reimbursement. Major elements of 10 CFR Part 765 are highlighted below.

Establishment of Eligible Licensees and Tailings Quantities

Thirteen active uranium licensees and one active thorium licensee (located in seven states: Colorado, Illinois, New Mexico, South Dakota, Utah, Washington, and Wyoming) were identified by DOE as having generated Federal-related byproduct material and, therefore, qualifying for reimbursement under Title X (Exhibit A-2). A study conducted by DOE in 1982, titled “*Commingled Uranium Tailings Study, Volume II: Technical Report*,” served as the basis for determining the Federal-related tailings quantities at these sites. Total tailings quantities were obtained from the Department’s “*Integrated Data Base for 1992: U.S. Spent Fuel and Radioactive Waste Inventories, Projections, and Characteristics*.” These tailings quantities were updated by DOE for some sites based on more recent or previously unavailable records. The Department’s final determination on the tailing’s quantities at eligible sites on the date Title X was enacted is presented in Exhibit A-2. These quantities served as the basis for determining the Federal reimbursement ratio at all sites and the per dry short ton limit for individual uranium sites.

Establishment of Preliminary Per Dry Short Ton Limit on Reimbursement

From 1994 through 1997, DOE established a preliminary per dry short ton limit of \$4.78, as adjusted for inflation, for reimbursement to licensees of eligible uranium processing sites. This was necessary because the original \$270 million statutory ceiling would not have supported the original maximum allowable reimbursement of \$5.50 per dry short ton, as established by Title X, if remedial action costs at all of the eligible uranium processing sites had reached or approached this per dry short ton limit (i.e., \$270 million divided by the total amount of Federal-related tailings at all eligible uranium processing sites, 56.521 million dry short tons, equals \$4.78). As stated in the January 19, 1999, Federal Register Notice (64 FR 2887), DOE discontinued the application of the preliminary per dry short ton limit on reimbursement in 1998 based on the ceiling increases authorized by Public Law 105-388.

Determination of Reimbursable Costs and the Federal Reimbursement Ratio

Consistent with Title X, “reimbursable” costs are limited to those costs that were necessary to comply with UMTRCA or, where appropriate, Agreement State requirements. Exhibit A-3 provides examples of reimbursable and non-reimbursable costs. Additional examples and more in-depth discussion on reimbursable costs can be found in the May 23, 1994, final rule and the *Guidance for Preparation of Reimbursement Claims under Title X of the Energy Policy Act, Revision I*. Because Federal-related and commercial tailings are commingled at most processing sites, it is virtually impossible to associate specific costs to specific tailings. Therefore, DOE adopted a percentage approach (known as the Federal reimbursement ratio) in which the Federal cost share is determined by multiplying the total cost of remedial action by the percentage of Federal-related tailings to total tailings located at each site on October 24, 1992. A licensee requesting an alternative approach must have demonstrated to DOE’s satisfaction that the alternative approach was more accurate than the percentage approach based on the amount of tailings quantities. No alternative demonstrations were approved, and all the Federal reimbursement ratios are based on the percentage of tailings quantities. As shown in Exhibit A-2, Federal reimbursement ratios range from 0.115 to 0.813.

Claim Submission and Processing Procedures

DOE issues a Federal Register Notice announcing the acceptance of claims for that fiscal year. To be eligible for reimbursement, licensees must submit their claims in writing to DOE by the announced closing date. In preparing their claims, licensees must abide by generally accepted accounting principles. Each claim must include a summary of the costs of remedial action being claimed and the technical and financial documentation available to support the claim. Licensees must cross-reference each claimed activity to the type of supporting documentation (e.g., invoice) and to the appropriate section of their reclamation plan or other regulatory authorization which demonstrates that the activity was necessary to comply with UMTRCA or Agreement State requirements. Copies of invoices, payroll records, receipts, and/or other financial records supporting the claim must be made available by the licensee for subsequent DOE auditing.

Upon receipt of a claim package from a licensee, DOE performs a preliminary review of the documentation submitted. This primarily involves determining whether the claim contains all the appropriate information as discussed above. To the extent possible, the preliminary review also assesses whether the claimed costs were necessary to comply with UMTRCA or Agreement State requirements. After the preliminary review is completed, DOE conducts formal financial and technical reviews of the licensee's claim to verify its accuracy and legitimacy. DOE also may rely, in part, on findings from prior years' reviews and audits for further assurance regarding a licensee's claim. The financial reviews usually are performed at the licensee's site and are based on generally accepted government auditing standards.

After completion of the review process, DOE provides the licensee with a decision as to claim amounts approved and disallowed. If a licensee disagrees with a decision and the difference cannot be resolved at the program office level, the licensee has the option to file an appeal with the Department's Office of Hearings and Appeals.

All reimbursements approved by DOE each year are processed at the same time to ensure an equitable distribution of available appropriations (i.e., payments are not made on a first-come-first-serve basis). Reimbursements are limited to the total approved claim amount multiplied by the licensee's Federal reimbursement ratio and must not exceed the reimbursement limits authorized by Title X. When funds are insufficient to reimburse all claims in full, reimbursements are made on a prorated basis. Remaining unpaid approved claim amounts are then carried over to the next fiscal year(s) until paid in full. Claim submission and processing procedures are outlined in Exhibit A-4.

Inflation Adjustment Procedures

DOE makes the inflation adjustments to the aggregate amounts authorized to uranium licensees and the thorium licensee, and to all individual uranium and thorium licensees by multiplying the ceilings for the preceding calendar year, less amounts paid during that year, by the change in the average monthly Consumer Price Index for all urban consumers (CPI-U) for the preceding calendar year. Exhibit 3 illustrates this calculation. For example, the maximum reimbursement limit for all uranium licensees at the beginning of 1993 was \$270,000,000. The change in the average monthly CPI-U for calendar year 1993 was 1.030, and DOE did not issue any

reimbursements in calendar year 1993. Therefore, the inflation-adjusted value of the reimbursement limit at the beginning of 1994 was \$278,100,000 [i.e., $(\$270,000,000 - \$0) \times 1.03$ \$278,100,000]. In December 1994, DOE issued reimbursements totaling \$33,368,448 to uranium licensees. Therefore, the remaining reimbursement limit at the end of 1994 was \$244,731,552 [i.e., $\$278,100,000 - \$33,368,448 = \$244,731,552$]. The remaining reimbursement limit at the end of each year has been adjusted for inflation in each subsequent year using the same methodology.

The individual remaining reimbursement limit for each uranium licensee is calculated by multiplying a licensee's amount of Federal-related dry short tons of tailings by the inflation-adjusted statutory per dry short ton limit and subtracting the total reimbursements to date for that licensee.

Individual Uranium Remaining Reimbursement Limit = (Individual Federal Related Dry Short Tons of Tailings x Inflation Adjusted Statutory Per Dry Short Ton Limit) – Cumulative Amount of Reimbursements Paid to Individual Uranium Licensee

Similarly, the statutory per dry short ton limit on reimbursements to individual uranium licensees is adjusted for inflation each year by multiplying the per dry short ton value for the preceding year by the change in the average monthly CPI-U for the preceding calendar year. For example, the statutory per dry short ton limit of \$5.980858 in FY 1996 (prior to increase authorized by Public law 104-259) was derived by multiplying the statutory per dry short ton limit for 1995, \$5.817955, by the change in the monthly average CPI-U, 1.028, for the calendar year 1995.

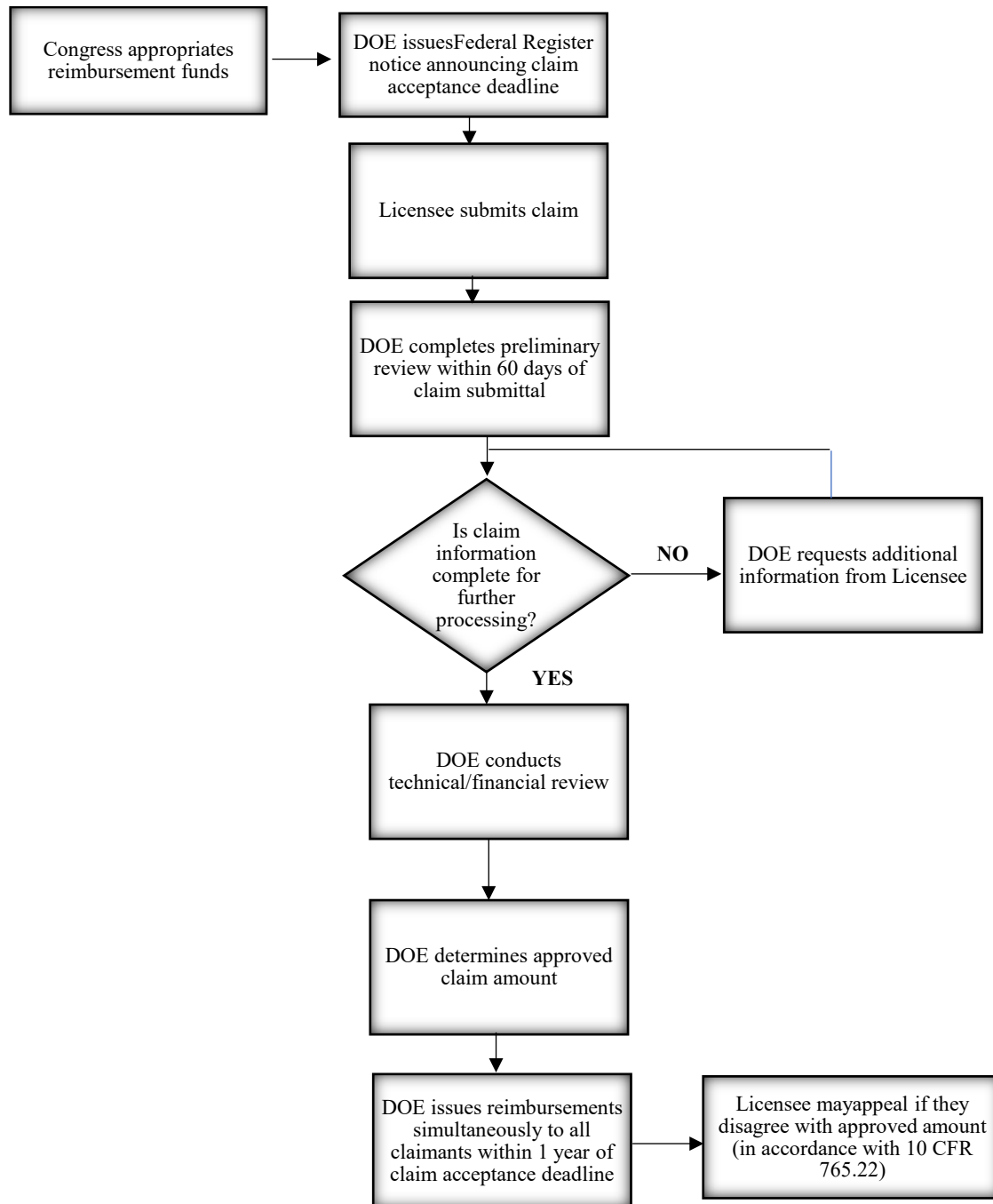
Exhibit A-2. Tailings Quantities and Federal Reimbursement Ratios

	Federal Related Tailings (millions dry short tons)	Total Tailings (millions dry short tons)	Federal Reimbursement Ratio
American Nuclear Corporation/State of WY Gas Hills West Mill Site Gas Hills Uranium Mining District, WY	2.202	6.0	.367
Atlantic Richfield Company Bluewater Mill Site, Grants, NM	8.837	23.9	.370
Atlas/Moab Mill Reclamation Trust Moab Mill Site, Moab, UT	5.946	10.6	.561
Cotter Corporation Canon City Mill Site, Canon City, CO	0.315	2.2	.143
Dawn Mining Company Ford Mill Site, Ford, WA	1.171	3.1	.378
Homestake Mining Company Grants Mill Site, Grants, NM	11.411	22.3	.512
Pathfinder Mines Corporation Lucky Mc Mill Site, Riverton, WY	2.842	11.7	.243
Petrotomics Company Shirley Basin Mill Site, Shirley Basin, WY	0.725	6.3	.115
Rio Algom Mining LLC Ambrosia Lake West Mill Site, Grants, NM	10.017	33.2	.302
Tennessee Valley Authority Edgemont Mill Site, Edgemont, SD	1.625	2.0	.813
Umetco Minerals Corporation Uravan Mill Site, Uravan, CO	5.701	10.5	.543
Umetco Minerals Corporation Gas Hills East Mill Site Gas Hills Uranium Mining District, WY	2.103	8.0	.263
Western Nuclear, Incorporated Split Rock Mill Site, Jeffrey City, WY	3.626	8.2	.442
West Chicago Environmental Response Trust West Chicago Mill Site, West Chicago, IL	0.032	0.058	.552

Exhibit A-3. Examples of Reimbursable and Non-Reimbursable Costs

Reimbursable	Non-Reimbursable
<ul style="list-style-type: none"> ➤ Ground water remediation ➤ Disposal of process wastes ➤ Removal actions ➤ Mill equipment decommissioning ➤ Monitoring ➤ Administrative expenses for remediation ➤ Treatment of contaminated soils ➤ Air pollution studies ➤ Long-term surveillance and maintenance fees 	<ul style="list-style-type: none"> ➤ Charges for fully depreciated equipment ➤ Costs of commuting between residence and work site ➤ Lunch allowances ➤ Entertainment expenses ➤ Employee bonuses ➤ Costs of operating equipment for non-reclamation purposes ➤ Environmental fines ➤ Legal fees not directly related to reclamation of Title X site ➤ Lobbying-related costs

Exhibit A-4. Annual Reimbursement Process



A.3 Administrative Framework

The current administrative framework is:

DOE Office of Environmental Management (Washington, DC)

- Program Oversight

DOE Office of Legacy Management (Grand Junction, CO)

- Technical and Financial Review of Claims

DOE Oak Ridge Operations Office (Oak Ridge, TN)

- Payment Transfer

DOE Office of General Counsel (Washington, DC)

- Legal Support

APPENDIX B. TITLE X OF THE ENERGY POLICY ACT, AS AMENDED

Remedial Action and Uranium Revitalization

[42 U.S.C. 2296a](#)

Subtitle A—

Remedial Action at Active Processing Sites

APPENDIX C. 10 CFR PART 765

<https://www.ecfr.gov/current/title-10/chapter-III/part-765>

**PART 765—REIMBURSEMENT FOR COSTS OF REMEDIAL ACTION AT ACTIVE URANIUM
AND THORIUM PROCESSING SITES**

Authority: [42 U.S.C. 2296a](#) *et seq.*

Source: [59 FR 26726](#), May 23, 1994, unless otherwise noted.

APPENDIX D. 2024 GUIDANCE

Guidance for Preparation of Reimbursement Claims under Title X of the Energy Policy Act
[U.S. Department of Energy Guidance for Preparation of Reimbursement Claims under Title X of the Energy Policy Act](#)

APPENDIX E. INDIVIDUAL APPROVED CLAIM AMOUNTS AND PAYMENTS

Exhibit E-1. FY 1994 Individual Approved Claim Amounts and Payments

Licensee	FY 94 Maximum Reimbursement Ceilings	*Approved Claim Amounts	FY 94 Payments	Unpaid Claim Balances After Payments	Maximum Reimbursement Ceilings After Payments	Unpaid Claim Balances in Excess of Ceilings After Payments
Uranium						
American Nuclear Corp. Site	10,834,489.84				10,834,489.84	
<i>American Nuclear Corporation State of Wyoming</i>		0.00	0.00	0.00	0.00	0.00
Atlantic Richfield Company	43,480,647.90	22,294,981.82	7,407,054.91	14,887,926.91	36,073,592.99	0.00
Atlas Corporation	29,256,074.73	2,530,168.80	846,150.08	1,684,018.72	28,409,924.65	0.00
Cotter Corporation	1,549,892.96	865,903.67	289,059.04	576,844.63	1,260,833.92	0.00
Dawn Mining Company	5,761,665.58	605,349.68	204,629.18	400,720.50	5,557,036.40	0.00
Homestake Mining Company	56,145,487.52	13,922,474.89	4,328,513.81	9,593,961.08	51,816,973.71	0.00
Pathfinder Mines Corporation	13,983,478.71	2,997,416.18	1,000,608.11	1,996,808.07	12,982,870.60	0.00
Petrotomics Company	3,567,213.96	1,043,116.76	348,908.26	694,208.50	3,218,305.70	0.00
Quivira Mining Company	49,286,596.13	3,788,037.84	1,373,417.98	2,414,619.86	47,913,178.15	0.00
Tennessee Valley Authority	7,995,479.56	9,966,168.26	2,668,919.29	7,297,248.97	5,326,560.27	1,970,688.70
Umetco Minerals Corporation-CO	28,050,602.43	29,613,180.46	9,363,390.09	20,249,790.37	18,687,212.34	1,562,578.03
Umetco Minerals Corporation-WY	10,347,380.62	6,076,184.76	1,938,392.98	4,137,791.78	8,408,987.64	0.00
Western Nuclear, Incorporated	17,840,990.08	10,270,575.79	3,599,404.73	6,671,171.06	14,241,585.35	0.00
Total Uranium	\$278,100,000.02	\$103,973,558.91	\$33,368,448.46	\$70,605,110.45	\$244,731,551.56	\$3,533,266.73
Thorium						
Kerr-McGee Chemical LLC	41,200,000.00	20,970,214.66	7,000,351.53	13,969,863.13	34,199,648.47	0.00
Total Thorium	\$41,200,000.00	\$20,970,214.66	\$7,000,351.53	\$13,969,863.13	\$34,199,648.47	\$0.00
Total Uranium and Thorium	\$319,300,000.02	\$124,943,773.57	\$40,368,799.99	\$84,574,973.58	\$278,931,200.03	\$3,533,266.73

* The total final approved claim amounts are shown in this column. Licensees' prorated reimbursements were determined on the basis of their final approved claim amount or their maximum reimbursement ceiling, whichever is less. In FY 1994, two licensees had approved claims that exceeded their maximum ceiling, as shown in the column on the right of the table.

Exhibit E-2. FY 1995 Individual Approved Claim Amounts and Payments

Licensee	FY 95 Maximum Reimbursement Ceilings	*Final Approved Claim Amounts	Final Approved Claims Plus FY 94 Unpaid Claim Balances	FY 95 Payments	Unpaid Claim Balances After Payments	Maximum Reimbursement Ceilings After Payments	Unpaid Claim Balances in Excess of Ceilings After Payments
Uranium							
American Nuclear Corp. Site <i>American Nuclear Corporation State of Wyoming</i>	11,127,021.06	682,499.41	682,499.41	229,707.30	452,792.11	10,897,313.76	0.00
Atlantic Richfield Company	37,047,580.00	6,314,712.30	21,202,639.21	6,929,478.24	14,273,160.97	30,118,101.76	0.00
Atlas Corporation	29,176,992.62	1,453,586.24	3,137,604.96	1,032,000.78	2,105,604.18	28,144,991.84	0.00
Cotter Corporation	1,294,876.44	1,947,024.00	2,523,868.63	423,193.45	2,100,675.18	871,682.99	1,228,992.19
Dawn Mining Company	5,707,076.38	0.00	400,720.50	130,964.07	269,756.43	5,576,112.31	0.00
Homestake Mining Company	53,216,032.00	7,271,875.95	16,865,837.03	5,512,118.07	11,353,718.96	47,703,913.93	0.00
Pathfinder Mines Corporation	13,333,408.11	127,606.10	2,124,414.17	694,304.21	1,430,109.96	12,639,103.90	0.00
Petrotomics Company	3,305,199.95	397,135.75	1,091,344.25	363,423.19	727,921.06	2,941,776.76	0.00
Quivira Mining Company	49,206,833.96	5,389,575.96	7,804,195.82	2,840,785.93	4,963,409.89	46,366,048.03	0.00
Tennessee Valley Authority	5,470,377.40	0.00	7,297,248.97	1,787,836.92	5,509,412.05	3,682,540.48	1,826,871.57
Umetco Minerals Corporation-CO	19,191,767.07	2,750,592.56	23,000,382.93	6,272,282.00	16,728,100.93	12,919,485.07	3,808,615.86
Umetco Minerals Corporation-WY	8,636,030.31	578,983.98	4,716,775.76	1,541,543.70	3,175,232.06	7,094,486.61	0.00
Western Nuclear, Incorporated	14,626,108.15	1,523,006.03	8,194,177.09	2,455,398.03	5,738,779.06	12,170,710.12	0.00
Total Uranium	\$251,339,303.45	\$28,436,598.28	\$99,041,708.73	\$30,213,035.89	\$68,828,672.84	\$221,126,267.56	\$6,864,479.62
Thorium							
Kerr-McGee Chemical LLC	35,123,038.98	26,351,788.42	40,321,651.55	11,478,964.10	28,842,687.45	23,644,074.88	5,198,612.57
Total Thorium	\$35,123,038.98	\$26,351,788.42	\$40,321,651.55	\$11,478,964.10	\$28,842,687.45	\$23,644,074.88	\$5,198,612.57
Total Uranium and Thorium	\$286,462,342.43	\$54,788,386.70	\$139,363,360.28	\$41,691,999.99	\$97,671,360.29	\$244,770,342.44	\$12,063,092.19

* The total final approved claim amounts are shown in this column. In FY 1995 licensees' pro rata reimbursements were based on their FY 1995 preliminary approved claims and their unpaid claim balance from FY 1994. However, if a licensee's total was greater than its Maximum Reimbursement Ceiling, the prorated reimbursement was determined on the basis of the maximum reimbursement ceiling. In FY 1995 four licensees had approved claims that exceeded their maximum ceiling, as shown in the column on the right side of the table. In the February 1996 report, the preliminary approved claim amounts were presented in this column.

Exhibit E-3. FY 1996 Individual Approved Claim Amounts and Payments

Licensee	FY 96 Maximum Reimbursement Ceilings	Final Approved Claim Amounts ¹	Final Approved Claims Plus Prior Years Unpaid Claim Balances	Total FY 96 Payments ²	Unpaid Claim Balances After Payments	Maximum Reimbursement Ceilings After Payments	Unpaid Claim Balances in Excess of Ceilings After Payments
Uranium							
American Nuclear Corp. Site	11,202,438.55					11,005,835.27	
<i>American Nuclear Corporation</i>		46,696.94	499,489.05	196,603.28	302,885.77		0.00
<i>State of Wyoming</i>		188,385.84	188,385.84	0.00	188,385.84		0.00
Atlantic Richfield Company	30,961,408.61	2,993,461.69	17,266,622.66	6,796,294.61	10,470,328.05	24,165,114.00	0.00
Atlas Corporation	28,933,051.61	1,617,778.98	3,723,383.16	1,466,976.25	2,256,406.91	27,466,075.36	0.00
Cotter Corporation	896,090.11	59,396.26	2,160,071.44	352,708.95	1,807,362.49	543,381.16	1,263,981.33
Dawn Mining Company	5,732,243.45	0.00	269,756.43	106,178.50	163,577.93	5,626,064.95	0.00
Homestake Mining Company	49,039,623.52	7,263,070.29	18,616,789.25	7,327,732.06	11,289,057.19	41,711,891.46	0.00
Pathfinder Mines Corporation	12,992,998.81	570,773.22	2,000,883.18	787,565.23	1,213,317.95	12,205,433.58	0.00
Petrotomics Company	3,024,146.51	89,005.69	816,926.75	321,549.56	495,377.19	2,702,596.95	0.00
Quivira Mining Company	47,664,297.38	1,606,888.24	6,570,298.13	2,586,127.04	3,984,171.09	45,078,170.34	0.00
Tennessee Valley Authority	3,785,651.61	0.00	5,509,412.05	1,490,065.79	4,019,346.26	2,295,585.82	1,723,760.44
Umetco Minerals Corporation-CO	13,281,230.65	3,310,417.42	20,038,518.35	5,227,609.25	14,810,909.10	8,053,621.40	6,757,287.70
Umetco Minerals Corporation-WY	7,293,132.24	644,344.48	3,819,576.54	1,503,418.93	2,316,157.61	5,789,713.31	0.00
Western Nuclear, Incorporated	12,511,490.00	3,900,548.52	9,639,327.58	4,120,072.18	5,519,255.40	8,391,417.82	0.00
Total Uranium	\$227,317,803.05	\$22,290,767.57	\$91,119,440.41	\$32,282,901.63	\$58,836,538.78	\$195,034,901.42	\$9,745,029.47
Thorium							
Kerr-McGee Chemical LLC	24,306,108.98	14,371,904.58	43,214,592.03	9,567,098.37	33,647,493.66	14,739,010.61	18,908,483.05
Total Thorium	\$24,306,108.98	\$14,371,904.58	\$43,214,592.03	\$9,567,098.37	\$33,647,493.66	\$14,739,010.61	\$18,908,483.05
Total Uranium and Thorium	\$251,623,912.03	\$36,662,672.15	\$134,334,032.44	\$41,850,000.00	\$92,484,032.44	\$209,773,912.03	\$28,653,512.52

Notes:

- The total final approved claim amounts are shown in this column. In FY 1996 the payments were made in two installments. The first payments totaled about 80% of the authorized funding and were based on the prior year unpaid balance or the maximum reimbursement ceiling, whichever was less for each licensee. The remaining 20% of authorized funding was disbursed on the basis of the final review of FY 1996 claims. In FY 1996 four licensees had approved claims and prior year unpaid claims that exceeded their maximum reimbursement ceiling, as shown in the column on the right side of the table.
- This column includes the total of the two FY 1996 payments. It includes \$262,634.79 that was directly allocated to a licensee because of an underpayment in FY 1995.

Exhibit E-4. FY 1997 Individual Approved Claim Amounts and Payments

Licensee	FY 97 Maximum Reimbursement Ceilings Including P.L. 104-259 Increase	*Final Approved Claim Amounts	Final Approved Claims Plus Prior Years Unpaid Claim Balances	FY 97 Payments	Unpaid Claim Balances After Payments	Maximum Reimbursement Ceilings After Payments	Unpaid Claim Balances in Excess of Ceilings After Payments
Uranium							
American Nuclear Corp. Site	14,452,728.01					14,158,655.32	
<i>American Nuclear Corporation</i>		32,474.25	335,360.02	98,628.14	236,731.88		0.00
<i>State of Wyoming</i>		472,285.92	660,671.76	195,444.55	465,227.21		0.00
Atlantic Richfield Company	37,397,984.83	375,410.14	10,845,738.19	3,208,462.20	7,637,275.99	34,189,522.63	0.00
Atlas Corporation	36,706,044.60	885,909.74	3,142,316.65	930,649.26	2,211,667.39	35,775,395.34	0.00
Cotter Corporation	1,005,534.57	147,434.04	1,954,796.53	297,464.28	1,657,332.25	708,070.29	949,261.96
Dawn Mining Company	7,452,283.96	1,718,838.11	1,882,416.04	556,869.49	1,325,546.55	6,895,414.47	0.00
Homestake Mining Company	59,114,413.25	1,863,271.97	13,152,329.16	3,890,814.09	9,261,515.07	55,223,599.16	0.00
Pathfinder Mines Corporation	16,594,172.27	490,228.97	1,703,546.92	499,919.71	1,203,627.21	16,094,252.56	0.00
Petrotomics Company	3,809,842.13	148,016.88	643,394.07	190,333.34	453,060.73	3,619,508.79	0.00
Quivira Mining Company	60,608,608.55	989,749.50	4,973,920.59	1,471,419.92	3,502,500.67	59,137,188.63	0.00
Tennessee Valley Authority	4,664,483.47	14,680,444.98	18,699,791.24	1,379,880.16	17,319,911.08	3,284,603.31	14,035,307.77
Umetco Minerals Corporation-CO	16,364,443.25	2,079,653.08	16,890,562.18	4,841,044.17	12,049,518.01	11,523,399.08	526,118.93
Umetco Minerals Corporation-WY	8,939,997.48	1,914,146.35	4,230,303.96	1,251,438.13	2,978,865.83	7,688,559.35	0.00
Western Nuclear, Incorporated	13,775,412.09	5,292,366.25	10,811,621.65	3,245,954.32	7,565,667.33	10,529,457.77	0.00
Total Uranium	\$280,885,948.46	\$31,090,230.18	\$89,926,768.96	\$22,058,321.76	\$67,868,447.20	\$258,827,626.70	\$15,510,688.66
Thorium							
Kerr-McGee Chemical LLC	40,181,180.93	16,848,743.92	50,496,237.58	11,886,678.24	38,609,559.34	28,294,502.69	10,315,056.65
Total Thorium	\$40,181,180.93	\$16,848,743.92	\$50,496,237.58	\$11,886,678.24	\$38,609,559.34	\$28,294,502.69	\$10,315,056.65
Total Uranium and Thorium	\$321,067,129.39	\$47,938,974.10	\$140,423,006.54	\$33,945,000.00	\$106,478,006.54	\$287,122,129.39	\$25,825,745.31

* The total final approved claim amounts are shown in this column. In FY 1997, licensees' prorated reimbursements were based on the total of their FY 1997 approved claims and their unpaid claim balance from FY 1996. However, if a licensee's total was greater than its maximum reimbursement ceiling, its prorated reimbursement was determined on the basis of its maximum reimbursement ceiling. In FY 1997, four licensees had approved claims and prior year unpaid claims that exceeded their maximum reimbursement ceiling, as shown in the column on the right side of the table.

Exhibit E-5. FY 1998 Individual Approved Claim Amounts and Payments

Licensee	FY 98 Maximum Reimbursement Ceilings	Prior Year Unpaid Claim Balances: Basis for FY 98 Payments	*Total FY 98 Payments	Unpaid Claim Balances After Payments	Maximum Reimbursement Ceilings After Payments	Unpaid Claim Balances in Excess of Ceilings After Payments
Uranium						
American Nuclear Corp. Site	14,484,304.39				14,141,318.83	
<i>American Nuclear Corporation</i>		236,731.88	115,670.01	121,061.87		0.00
<i>State of Wyoming</i>		465,227.21	227,315.55	237,911.66		0.00
Atlantic Richfield Company	34,975,881.65	7,637,275.99	3,731,663.84	3,905,612.15	31,244,217.81	0.00
Atlas Corporation	36,598,229.43	2,211,667.39	1,080,646.98	1,131,020.41	35,517,582.45	0.00
Cotter Corporation	724,355.91	1,657,332.25	353,928.90	1,303,403.35	370,427.01	932,976.34
Dawn Mining Company	7,054,009.00	1,325,546.55	647,677.80	677,868.75	6,406,331.20	0.00
Homestake Mining Company	56,493,741.94	9,261,515.07	4,525,286.35	4,736,228.72	51,968,455.59	0.00
Pathfinder Mines Corporation	16,464,420.37	1,203,627.21	588,106.56	615,520.65	15,876,313.81	0.00
Petrochemicals Company	3,702,757.49	453,060.73	221,370.86	231,689.87	3,481,386.63	0.00
Quivira Mining Company	60,497,343.97	3,502,500.67	1,711,363.46	1,791,137.21	58,785,980.51	0.00
Tennessee Valley Authority	3,360,149.19	17,319,911.08	1,641,808.84	15,678,102.24	1,718,340.35	13,959,761.89
Umetco Minerals Corporation-CO	11,788,437.26	12,049,518.01	5,759,970.57	6,289,547.44	6,028,466.69	261,080.75
Umetco Minerals Corporation-WY	7,865,396.22	2,978,865.83	1,455,509.25	1,523,356.58	6,409,886.97	0.00
Western Nuclear, Incorporated	10,771,635.30	7,565,667.33	3,696,674.99	3,868,992.34	7,074,960.31	0.00
Total Uranium	\$264,780,662.12	\$67,868,447.20	\$25,756,993.96	\$42,111,453.24	\$239,023,668.16	\$15,153,818.98
Thorium						
Kerr-McGee Chemical LLC	28,945,276.25	38,609,559.34	14,143,006.04	24,466,553.30	14,802,270.21	9,664,283.09
Total Thorium	\$28,945,276.25	\$38,609,559.34	\$14,143,006.04	\$24,466,553.30	\$14,802,270.21	\$9,664,283.09
Total Uranium and Thorium	\$293,725,938.37	\$106,478,006.54	\$39,900,000.00	\$66,578,006.54	\$253,825,938.37	\$24,818,102.07

* In FY 1998, DOE initiated a new Title X review and payment schedule. In FY 1998 the payments were made in two installments because the Administration had proposed that \$5 million of the \$40 million authorized for Title X be reallocated by Congress to other needs. Soon after the first payment was made, the \$5 million was released and was reimbursed to the licensees. Both FY 1998 payments were based on the prior year approved unpaid balances, and the FY 1998 approved claims were carried forward to FY 1999. This column includes the total of the two FY 1998 payments. Since the FY 1998 claims were not considered for reimbursement in FY 1998, they are not shown here. Both payments were based on the prior year unpaid balance or the maximum reimbursement ceiling, whichever was less for each licensee. In FY 1998 four licensees had a prior year unpaid claim that exceeded their maximum reimbursement ceiling, as shown in the column on the right side of the table.

Exhibit E-6. FY 1999 Individual Approved Claim Amounts and Payments

Licensee	*FY 99 Maximum Reimbursement Ceilings	Approved Claim Amounts	Approved Claims Plus Prior Years Unpaid Claim Balances	Total Unpaid Claims Within Ceilings	FY 99 Payments	Unpaid Claim Balances After Payments	Maximum Reimbursement Ceilings After Payments	Unpaid Claim Balances in Excess of Ceilings After Payments
Uranium								
American Nuclear Corp. Site	16,220,990.53						15,908,983.67	
<i>American Nuclear Corporation</i>		14,167.87	135,229.74	135,229.74	45,670.66	89,559.08		0.00
<i>State of Wyoming</i>		550,703.59	788,615.25	788,615.25	266,336.20	522,279.05		0.00
Atlantic Richfield Company	39,182,176.85	327,336.41	4,232,948.56	4,232,948.56	1,429,578.56	2,803,370.00	37,752,598.29	0.00
Atlas Corporation	41,090,577.43	504,120.21	1,635,140.62	1,635,140.62	552,230.18	1,082,910.44	40,538,347.25	0.00
Cotter Corporation	641,487.52	62,428.60	1,365,831.95	641,487.52	216,647.28	1,149,184.67	424,840.24	724,344.43
Dawn Mining Company	7,494,456.41	428,336.53	1,106,205.28	1,106,205.28	373,594.75	732,610.53	7,120,861.66	0.00
Homestake Mining Company	62,404,523.28	1,558,362.93	6,294,591.65	6,294,591.65	2,125,849.89	4,168,741.76	60,278,673.39	0.00
Pathfinder Mines Corporation	18,522,429.70	508,712.05	1,124,232.70	1,124,232.70	379,683.08	744,549.62	18,142,746.62	0.00
Petrotomics Company	4,147,317.10	321,603.42	553,293.29	553,293.29	186,861.76	366,431.53	3,960,455.34	0.00
Quivira Mining Company	68,157,806.89	1,096,539.35	2,887,676.56	2,887,676.56	975,244.66	1,912,431.90	67,182,562.23	0.00
Tennessee Valley Authority	3,113,586.84	0.00	15,678,102.24	3,113,586.84	1,051,540.53	14,626,561.71	2,062,046.31	12,564,515.40
Umetco Minerals Corporation-CO	10,923,420.74	2,719,375.49	9,008,922.93	9,008,922.93	3,042,551.28	5,966,371.65	7,880,869.46	0.00
Umetco Minerals Corporation-WY	8,282,528.02	1,731,495.48	3,254,852.06	3,254,852.06	1,099,249.53	2,155,602.53	7,183,278.49	0.00
Western Nuclear, Incorporated	10,240,142.80	4,235,879.20	8,104,871.54	8,104,871.54	2,737,229.23	5,367,642.31	7,502,913.57	0.00
Total Uranium		\$14,059,061.13	\$56,170,514.37	\$42,881,654.54	\$14,482,267.59	\$41,688,246.78		\$13,288,859.83
Thorium								
Kerr-McGee Chemical LLC	90,039,106.53	21,184,990.62	45,651,543.92	45,651,543.92	15,417,732.41	30,233,811.51	74,621,374.12	0.00
Total Thorium	\$90,039,106.53	\$21,184,990.62	\$45,651,543.92	\$45,651,543.92	\$15,417,732.41	\$30,233,811.51	\$74,621,374.12	\$0.00
Total Uranium and Thorium		\$35,244,051.75	\$101,822,058.29	\$88,533,198.46	\$29,900,000.00	\$71,922,058.29		\$13,288,859.83

*Ceilings adjusted for Public Law 105-388 increases and the resultant shift for uranium licensees from preliminary to statutory per dry short ton limit.

Exhibit E-7A. *First FY 2000 Individual Approved Claim Amounts and Payments (April 2000)

Licensor	FY 00 Maximum Reimbursement Ceilings	Approved Claim Amounts	Approved Claims Plus Prior Years Unpaid Claim Balances	Total Unpaid Claims Within Ceilings	1 st FY 00 Payments	Unpaid Claim Balances After Payments	Maximum Reimbursement Ceilings After Payments	Unpaid Claim Balances in Excess of Ceilings After Payments
Uranium								
American Nuclear Corp. Site	16,258,981.31						16,075,167.73	0.00
<i>American Nuclear Corporation</i>		17,820.78	107,379.86	107,379.86	30,997.53	76,382.33		
<i>State of Wyoming</i>		7,097.68	529,376.73	529,376.73	152,816.05	376,560.68		
Atlantic Richfield Company	38,583,155.45	0.00	2,803,370.00	2,803,370.00	809,253.40	1,994,116.60	37,773,902.05	0.00
Moab Mill Reclamation Trust	41,430,190.89	267,004.58	1,349,915.02	1,349,915.02	389,682.18	960,232.84	41,040,508.71	0.00
Cotter Corporation	434,186.73	0.00	1,149,184.67	434,186.73	125,337.39	1,023,847.28	308,849.34	714,997.94
Dawn Mining Company	7,277,520.62	177,184.58	909,795.11	909,795.11	262,632.04	647,163.07	7,014,888.58	0.00
Homestake Mining Company	61,604,804.20	1,092,967.96	5,261,709.72	5,261,709.72	1,518,906.35	3,742,803.37	60,085,897.85	0.00
Pathfinder Mines Corporation	18,541,887.05	1,413,964.84	2,158,514.46	2,158,514.46	623,101.90	1,535,412.56	17,918,785.15	0.00
Petrochemicals Company	4,047,585.36	228,416.78	594,848.31	594,848.31	171,715.83	423,132.48	3,875,869.53	0.00
Quivira Mining Company	68,660,578.60	675,453.20	2,587,885.10	2,587,885.10	747,049.02	1,840,836.08	67,913,529.58	0.00
Tennessee Valley Authority	2,107,411.33	483,400.48	15,109,962.19	2,107,411.33	608,349.87	14,501,612.32	1,499,061.46	13,002,550.86
Umetco Minerals Corporation-CO	8,054,248.59	6,115,477.77	12,081,849.42	8,054,248.59	2,325,033.11	9,756,816.31	5,729,215.48	4,027,600.83
Umetco Minerals Corporation-WY	7,341,310.62	1,202,087.53	3,357,690.06	3,357,690.06	969,269.88	2,388,420.18	6,372,040.74	0.00
Western Nuclear, Incorporated	7,667,977.67	2,180,338.00	7,547,980.31	7,547,980.31	2,178,887.82	5,369,092.49	5,489,089.85	0.00
Total Uranium		\$13,861,214.18	\$55,549,460.96	\$37,804,311.33	\$10,913,032.37	\$44,636,428.59		\$17,745,149.63
Thorium								
Kerr-McGee Chemical LLC	76,263,044.35	35,539,771.03	65,773,582.54	65,773,582.54	18,986,967.63	46,786,614.91	57,276,076.72	0.00
Total Thorium	\$76,263,044.35	\$35,539,771.03	\$65,773,582.54	\$65,773,582.54	\$18,986,967.63	\$46,786,614.91	\$57,276,076.72	\$0.00
Total Uranium and Thorium		\$49,400,985.21	\$121,323,043.50	\$103,577,893.87	\$29,900,000.00	\$91,423,043.50		\$17,745,149.63

*Congress provided two appropriations in FY 2000 to carry out the Title X reimbursement program: an initial appropriation of \$30 million and a supplemental appropriation of \$42 million for a total of \$72 million. Consequently, DOE issued two sets of payments in FY 2000. DOE allocated \$100,000 of the initial appropriations to DCAA for audit support costs.

Exhibit E-7B. *Second FY 2000 Individual Approved Claim Amounts and Payments (September 2000)

Licensee	Maximum Reimbursement Ceilings After 1 st FY 00 Payments	Unpaid Claims	Total Unpaid Claims Within Ceilings	2 nd FY 00 Payments	Unpaid Claim Balances After Payments	Maximum Reimbursement Ceilings After Payments	Unpaid Claim Balances in Excess of Ceilings After Payments
Uranium							
American Nuclear Corp. Site	16,075,167.73					15,816,968.08	0.00
<i>American Nuclear Corporation</i>		76,382.33	76,382.33	43,541.66	32,840.67		
<i>State of Wyoming</i>		376,560.68	376,560.68	214,657.99	161,902.69		
Atlantic Richfield Company	37,773,902.05	1,994,116.60	1,994,116.60	1,136,743.91	857,372.69	36,637,158.14	0.00
Moab Mill Reclamation Trust	41,040,508.71	960,232.84	960,232.84	547,379.64	412,853.20	40,493,129.07	0.00
Cotter Corporation	308,849.34	1,023,847.28	308,849.34	176,059.22	847,788.06	132,790.12	714,997.94
Dawn Mining Company	7,014,888.58	647,163.07	647,163.07	368,914.58	278,248.49	6,645,974.00	0.00
Homestake Mining Company	60,085,897.85	3,742,803.37	3,742,803.37	2,133,580.82	1,609,222.55	57,952,317.03	0.00
Pathfinder Mines Corporation	17,918,785.15	1,535,412.56	1,535,412.56	875,260.19	660,152.37	17,043,524.96	0.00
Petrotomics Company	3,875,869.53	423,132.48	423,132.48	241,206.19	181,926.29	3,634,663.34	0.00
Quivira Mining Company	67,913,529.58	1,840,836.08	1,840,836.08	1,049,366.52	791,469.56	66,864,163.06	0.00
Tennessee Valley Authority	1,499,061.46	14,501,612.32	1,499,061.46	854,538.29	13,647,074.03	644,523.17	13,002,550.86
Umetco Minerals Corporation-CO	5,729,215.48	9,756,816.31	5,729,215.48	3,265,932.80	6,490,883.51	2,463,282.68	4,027,600.83
Umetco Minerals Corporation-WY	6,372,040.74	2,388,420.18	2,388,420.18	1,361,516.22	1,026,903.96	5,010,524.52	0.00
Western Nuclear, Incorporated	5,489,089.85	5,369,092.49	5,369,092.49	3,060,645.10	2,308,447.39	2,428,444.75	0.00
Total Uranium		\$44,636,428.59	\$26,891,278.96	\$15,329,343.13	\$29,307,085.46		\$17,745,149.63
Thorium							
Kerr-McGee Chemical LLC	57,276,076.72	46,786,614.91	46,786,614.91	26,670,656.87	20,115,958.04	30,605,419.85	0.00
Total Thorium	\$57,276,076.72	\$46,786,614.91	\$46,786,614.91	\$26,670,656.87	\$20,115,958.04	\$30,605,419.85	\$0.00
Total Uranium and Thorium		\$91,423,043.50	\$73,677,893.87	\$42,000,000.00	\$49,423,043.50		\$17,745,149.63

*Congress provided two appropriations in FY 2000 to carry out the Title X reimbursement program: an initial appropriation of \$30 million and a supplemental appropriation of \$42 million for a total of \$72 million. Consequently, DOE issued two sets of payments in FY 2000. DOE allocated \$100,000 of the initial appropriations to DCAA for audit support costs.

Exhibit E-8A. First FY 2001 Individual Approved Claim Amounts and Payments (December 2000)

Licensee	FY 01 Individual Reimbursement Limits ²	Unpaid Claim Balances	Total Unpaid Claim Balances Within Limits	1 st FY 01 Payments	Unpaid Claim Balances After Payments	Individual Reimbursement Limits After Payments	Unpaid Claim Balances in Excess of Limits After Payments
Uranium							
American Nuclear Corp. Site	14,346,036.94					14,151,293.58	0.00
<i>American Nuclear Corporation</i>		32,840.67	32,840.67	32,840.67	0.00		
<i>State of Wyoming</i>		161,902.69	161,902.69	161,902.69	0.00		
Atlantic Richfield Company	33,418,043.57	857,372.69	857,372.69	857,372.69	0.00	32,560,670.88	0.00
Moab Mill Reclamation Trust	36,799,938.66	412,853.20	412,853.20	412,853.20	0.00	36,387,085.46	0.00
Cotter Corporation	77,808.19	847,788.06	77,808.19	77,808.19	769,979.87	0.00	769,979.87
Dawn Mining Company	5,944,076.23	278,248.49	278,248.49	278,248.49	0.00	5,665,827.74	0.00
Homestake Mining Company	52,397,803.66	1,609,222.55	1,609,222.55	1,609,222.55	0.00	50,788,581.11	0.00
Pathfinder Mines Corporation	15,412,693.64	660,152.37	660,152.37	660,152.37	0.00	14,752,541.27	0.00
Petrotomics Company	3,276,376.58	181,926.29	181,926.29	181,926.29	0.00	3,094,450.29	0.00
Quivira Mining Company	60,773,398.40	791,469.56	791,469.56	791,469.56	0.00	59,981,928.84	0.00
Tennessee Valley Authority	445,110.73	13,647,074.03	445,110.73	445,110.73	13,201,963.30	0.00	13,201,963.30
Umetco Minerals Corporation-CO	1,749,457.76	6,490,883.51	1,749,457.76	1,749,457.76	4,741,425.75	0.00	4,741,425.75
Umetco Minerals Corporation-WY	4,316,393.70	1,026,903.96	1,026,903.96	1,026,903.96	0.00	3,289,489.74	0.00
Western Nuclear, Incorporated	1,521,801.79	2,308,447.39	1,521,801.79	1,521,801.79	786,645.60	0.00	786,645.60
Total Uranium		\$29,307,085.46	\$9,807,070.94	\$9,807,070.94	\$19,500,014.52		\$19,500,014.52
Thorium							
Kerr-McGee Chemical LLC	30,605,419.85	20,115,958.04	20,115,958.04	20,115,958.04	0.00	10,489,461.81	0.00
Total Thorium	\$30,605,419.85	\$20,115,958.04	\$20,115,958.04	\$20,115,958.04	\$0.00	\$10,489,461.81	\$0.00
Total Uranium and Thorium		\$49,423,043.50	\$29,923,028.98	\$29,923,028.98	\$19,500,014.52		\$19,500,014.52

Notes:

- DOE made two payments in FY 2001: The first payments were issued in December 2000 and eliminated the backlog of unpaid approved claim balances that had accumulated through the FY 1999 claims. The second payments were issued in April 2001 and fully reimbursed licensees' approved FY 2000 claim amounts.
- Beginning in FY 2001, DOE adjusted the method for determining the individual per dry short ton limit to uranium licensees where: Individual Uranium Reimbursement Limit = (Individual Federal Related Dry Short Tons of Tailings x Inflation Adjusted Statutory Per Dry Short Ton Limit) – Cumulative Amount of Reimbursements Paid to Individual Uranium Licensee.

Exhibit E-8B. Second FY 2001 Individual Approved Claim Amounts and Payments (April 2001)

Licensee	FY 01 Individual Reimbursement Limits After 1st FY 01 Payments	Final Approved Claim Amounts	Final Approved Claims Plus Unpaid Claim Balances	Total Unpaid Claims Within Limits	2nd FY 01 Payments	Unpaid Claim Balances After Payments	Individual Reimbursement Limits After Payments	Unpaid Claim Balances in Excess of Limits After Payments
Uranium								
American Nuclear Corp. Site	14,700,850.05						14,687,331.33	0.00
<i>American Nuclear Corporation</i>		13,518.72	13,518.72	13,518.72	13,518.72	0.00		
<i>State of Wyoming</i>		0.00	0.00	0.00	0.00	0.00		
Atlantic Richfield Company	34,766,134.37	0.00	0.00	0.00	0.00	0.00	34,766,134.37	0.00
Moab Mill Reclamation Trust	37,871,037.70	1,644,529.72 ¹	1,644,529.72 ¹	1,644,529.72 ¹	1,644,529.72	0.00	36,266,507.98	0.00
Cotter Corporation	78,615.02	162,327.26	932,307.13	78,615.02	78,615.02	853,692.11	0.00	853,692.11
Dawn Mining Company	5,958,075.98	194,608.51	194,608.51	194,608.51	194,608.51	0.00	5,763,467.47	0.00
Homestake Mining Company	53,636,441.69	2,568,268.63	2,568,268.63	2,568,268.63	2,568,268.63	0.00	51,068,173.06	0.00
Pathfinder Mines Corporation	15,461,823.52	1,423,111.90	1,423,111.90	1,423,111.90	1,423,111.90	0.00	14,038,711.62	0.00
Petrotomics Company	3,275,389.64	164,239.87	164,239.87	164,239.87	164,239.87	0.00	3,111,149.77	0.00
Quivira Mining Company	62,481,886.72	702,589.11	702,589.11	702,589.11	702,589.11	0.00	61,779,297.61	0.00
Tennessee Valley Authority	405,553.71	0.00	13,201,963.30	405,553.71	405,553.71	12,796,409.59	0.00	12,796,409.59
Umetco Minerals Corporation-CO	1,422,807.21	2,961,852.69	7,703,278.44	1,422,807.21	1,422,807.21	6,280,471.23	0.00	6,280,471.23
Umetco Minerals Corporation-WY	3,814,338.64	1,420,370.42	1,420,370.42	1,420,370.42	1,420,370.42	0.00	2,393,968.22	0.00
Western Nuclear, Incorporated	904,946.32	749,675.85	1,536,321.45	904,946.32	904,946.32	631,375.13	0.00	631,375.13
Total Uranium		\$12,005,092.68	\$31,505,107.20	\$10,943,159.14	\$10,943,159.14	\$20,561,948.06		\$20,561,948.06
Thorium								
Kerr-McGee Chemical LLC	10,846,103.51	38,232,994.63	38,232,994.63	10,846,103.51	10,846,103.51	0.00 ²	0.00	0.00
Total Thorium	\$10,846,103.51	\$38,232,994.63	\$38,232,994.63	\$10,846,103.51	\$10,846,103.51	\$0.00 ²	\$0.00	\$0.00
Total Uranium and Thorium		\$50,238,087.31	\$69,738,101.83	\$21,789,262.65	\$21,789,262.65	\$20,561,948.06		\$20,561,948.06

Notes:

- Amount includes \$1,183,954.92 for the Moab Mill Reclamation Trust on its approved FY 2001 claim.
- The total amount authorized under Title X for the thorium licensee (Kerr-McGee) at the time of the payment date was exhausted with the 2nd FY 2001 payment. The amount of approved thorium claims that exceeded the total authority at that time was \$27,386,891.12.

Exhibit E-9. FY 2002 Individual Approved Claim Amounts Payments (April and September 2002)

Licensee	FY 02 Individual Reimbursement Limits	Final Approved Claim Amounts	Final Approved Claims Plus Unpaid Claim Balances	Total Unpaid Claims Within Limits	FY 02 Payments	Unpaid Claim Balances After Payments	Individual Reimbursement Limits After Payments	Unpaid Claim Balances in Excess of Limits After Payments
Uranium								
American Nuclear Corp. Site	15,155,294.84						15,136,688.47	0.00
<i>American Nuclear Corporation</i>		13,228.94	13,228.94	13,228.94	13,228.94	0.00		
<i>State of Wyoming</i>		5,377.43	5,377.43	5,377.43	5,377.43	0.00		
Atlantic Richfield Company	36,644,151.40	0.00	0.00	0.00	0.00	0.00	36,644,151.40	0.00
Utah/NRC Moab Escrow ²	37,490,136.95	791,091.74	791,091.74	791,091.74	791,091.74	0.00	36,699,045.21	0.00
Cotter Corporation	66,943.01	0.00	853,692.11	66,943.01	66,943.01	786,749.10	0.00	786,749.10
Dawn Mining Company	6,012,325.45	275,018.33	275,018.33	275,018.33	275,018.33	0.00	5,737,307.12	0.00
Homestake Mining Company	53,493,210.09	1,489,814.38	1,489,814.38	1,489,814.38	1,489,814.38	0.00	52,003,395.71	0.00
Pathfinder Mines Corporation	14,642,686.32	879,547.97	879,547.97	879,547.97	879,547.97	0.00	13,763,138.35	0.00
Petrotomics Company	3,265,224.95	244,921.43	244,921.43	244,921.43	244,921.43	0.00	3,020,303.52	0.00
Rio Algom Mining LLC ³	63,908,085.27	1,043,378.89	1,043,378.89	1,043,378.89	1,043,378.89	0.00	62,864,706.38	0.00
Tennessee Valley Authority	345,340.92	0.00	12,796,409.59	345,340.92	345,340.92	12,451,068.67	0.00	12,451,068.67
Umetco Minerals Corporation-CO	1,211,562.19	2,323,448.67	8,603,919.90	1,211,562.19	1,211,562.19	7,392,357.71	0.00	7,392,357.71
Umetco Minerals Corporation-WY	2,840,892.50	1,200,237.06	1,200,237.06	1,200,237.06	1,200,237.06	0.00	1,640,655.44	0.00
Western Nuclear, Incorporated	770,588.40	399,707.43	1,031,082.56	770,588.40	770,588.40	260,494.16	0.00	260,494.16
Total Uranium		\$8,665,772.27	\$29,227,720.33	\$8,337,050.69	\$8,337,050.69	\$20,890,669.64	\$227,509,391.60	\$20,890,669.64
Thorium								
Kerr-McGee Chemical LLC	225,000,000.00	0.00	27,386,891.12	27,386,891.12	9,592,656.31	17,794,234.81	215,407,343.69	0.00
Total Thorium	\$225,000,000.00	\$0.00	\$27,386,891.12	\$27,386,891.12	\$9,592,656.31	\$17,794,234.81	\$215,407,343.69	\$0.00
Total Uranium and Thorium		\$8,665,772.27	\$56,614,611.45	\$35,723,941.81	\$17,929,707.00	\$38,684,904.45	\$442,916,735.29	\$20,890,669.64

Notes:

1. Reimbursements to the uranium licensees were issued in April 2002, and the reimbursement to the thorium licensee was made in September 2002 following the enactment of P.L. 107-222.
2. The Moab Mill Reclamation Trust assigned its FY 2002 Title X payments to the Trust Beneficiaries (U.S. Nuclear Regulatory Commission and the State of Utah).
3. Formerly Quivira Mining Company.

Exhibit E-10. FY 2003 Individual Approved Claim Amounts and Payments (April 2003)

Licensee ¹	FY 03 Individual Reimbursement ² Limits	Approved Claim Amounts After FRR	Final Approved Claims Plus Unpaid Claim Balances	Total Unpaid Claims Within Limits	FY 03 Payments	Unpaid Claim Balances After Payments	Individual Reimbursement Limits After Payments	Unpaid Claim Balances in Excess of Limits After Payments	Total Payments Through FY 03
Uranium									
American Nuclear Corp. Site	15,411,583.60						15,411,583.60	0.00	
<i>American Nuclear Corporation</i>		0.00	0.00	0.00	0.00	0.00			820,406.91
<i>State of Wyoming</i>		0.00	0.00	0.00	0.00	0.00			1,223,850.46
Atlantic Richfield Company	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32,305,902.36
Utah/NRC Moab Escrow	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9,694,190.01
Cotter Corporation	39,324.24	59,668.53	846,417.63	39,324.24	4,918.66	841,498.97	34,405.58	807,093.39	2,462,683.39
Dawn Mining Company	5,883,493.41	452,061.54	452,061.54	452,061.54	56,543.62	395,517.92	5,826,949.79	0.00	3,455,879.36
Homestake Mining Company	53,427,931.76	1,633,212.13	1,633,212.13	1,633,212.13	204,281.32	1,428,930.81	53,223,650.44	0.00	37,234,388.32
Pathfinder Mines Corporation	14,117,930.34	1,411,749.53	1,411,749.53	1,411,749.53	176,580.89	1,235,168.64	13,941,349.45	0.00	8,587,942.12
Petrotomics Company	3,110,811.68	57,892.31	57,892.31	57,892.31	7,241.14	50,651.17	3,103,570.54	0.00	2,643,697.72
Rio Algom Mining LLC ³	64,115,217.08	1,040,803.44	1,040,803.44	1,040,803.44	130,183.15	910,620.29	63,985,033.93	0.00	15,422,395.24
Tennessee Valley Authority	202,863.12	0.00	12,451,068.67	202,863.12	25,374.01	12,425,694.66	177,489.11	12,248,205.55	12,704,319.06
Umetco Minerals Corp.-CO	711,706.25	3,016,035.40	10,408,393.11	711,706.25	89,019.84	10,319,373.27	622,686.41	9,696,686.86	44,570,660.27
Umetco Minerals Corp.-WY	1,903,191.52	2,993,693.50	2,993,693.50	1,903,191.52	238,050.20	2,755,643.30	1,665,141.32	1,090,501.98	15,005,900.26
Western Nuclear, Inc.	452,665.65	337,110.84	597,605.00	452,665.65	56,619.17	540,985.83	396,046.48	144,939.35	28,348,222.08
Total Uranium		\$11,002,227.22	\$31,892,896.86	\$7,905,469.73	\$988,812.00	\$30,904,084.86		\$23,987,427.13	\$214,480,437.56
Thorium									
Kerr-McGee Chemical LLC	218,853,861.19	68,652,750.92	86,446,985.73	86,446,985.73	14,832,188.00	71,614,797.73	204,021,673.19	0.00	170,538,361.05
Total Thorium	\$218,853,861.19	\$68,652,750.92	\$86,446,985.73	\$86,446,985.73	\$14,832,188.00	\$71,614,797.73	\$204,021,673.19	\$0.00	\$170,538,361.05
Total Uranium and Thorium		\$79,654,978.14	\$118,339,882.59	\$94,352,455.46	\$15,821,000.00	\$102,518,882.59		\$23,987,427.13	\$385,018,798.61

Notes:

- Reimbursements to the uranium licensees were issued in April 23, 2003, and the reimbursement to the thorium licensee was made in two installments consisting of \$14,001,518 on April 23, 2003, and \$830,670 on April 25, 2003.
- For uranium licensees, the Individual Uranium Reimbursement Limit = (Individual Federal Related Dry Short Tons of Tailings x Inflation Adjusted Statutory Per Dry Short Ton Limit) - Cumulative Amount of Reimbursements Paid to Individual Uranium Licensee. For 2003, the inflation-adjusted per dry short ton limit was \$7.9272665636 based on a calendar year CPI-U of 1.016 for 2002. For the thorium licensee, the Individual Thorium Reimbursement Limit is equal to the unpaid claim balance at the end of 2002 multiplied by the calendar year CPI-U for 2002.
- Formerly Quivira Mining Company.

Exhibit E-11. FY 2004 Individual Approved Claim Amounts and Payments (February 2004)

Licensee	FY 04 Individual Reimbursement Limits ²	Approved Claim Amounts After FRR	Final Approved Claims Plus Unpaid Claim Balances	Total Unpaid Claims Within Limits	FY 04 Payments	Unpaid Claim Balances After Payments	Individual Reimbursement Limits After Payments	Unpaid Claim Balances in Excess of Limits After Payments	Total Payments Through FY 04
Uranium									
American Nuclear Corp. Site	15,813,067.95						15,808,843.25	0.00	
<i>American Nuclear Corporation</i>		0.00	0.00	0.00	0.00	0.00			820,406.91
<i>State of Wyoming</i>		8,942.34	8,942.34	8,942.34	4,224.70	4,717.64			1,228,075.16
Atlantic Richfield Company	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32,305,902.36
Utah/NRC Moab Escrow	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9,694,190.01
Cotter Corporation	91,838.62	0.00	841,498.97	91,838.62	43,387.97	798,111.00	48,450.65	749,660.35	2,506,071.36
Dawn Mining Company	6,040,454.86	484,437.44	879,955.36	879,955.36	415,723.56	464,231.80	5,624,731.30	0.00	3,871,602.92
Homestake Mining Company	55,304,185.33	1,465,273.31	2,894,204.12	2,894,204.12	1,367,329.42	1,526,874.70	53,936,855.91	0.00	38,601,717.74
Pathfinder Mines Corporation	14,459,523.16	657,075.27	1,892,243.91	1,892,243.91	893,966.24	998,277.67	13,565,556.92	0.00	9,481,908.36
Petrotomics Company	3,235,757.71	0.00	50,651.17	50,651.17	23,929.49	26,721.68	3,211,828.22	0.00	2,667,627.21
Rio Algom Mining LLC ³	65,811,404.80	950,923.10	1,861,543.39	1,861,543.39	879,462.17	982,081.22	64,931,942.63	0.00	16,301,857.41
Tennessee Valley Authority	473,770.69	0.00	12,425,694.66	473,770.69	223,826.85	12,201,867.81	249,943.84	11,951,923.97	12,928,145.91
Umetco Minerals Corp.-CO	1,662,133.38	5,074,886.15	15,394,259.42	1,662,133.38	785,253.48	14,609,005.94	876,879.90	13,732,126.04	45,355,913.75
Umetco Minerals Corp.-WY	2,048,575.28	2,247,679.00	5,003,322.30	2,048,575.28	967,822.98	4,035,499.32	1,080,752.30	2,954,747.02	15,973,723.24
Western Nuclear, Inc.	1,057,164.66	399,959.00	940,944.83	940,944.83	444,537.25	496,407.58	612,627.41	0.00	28,792,759.33
Total Uranium		\$11,289,175.61	\$42,193,260.47	\$12,804,803.09	\$6,049,464.11	\$36,143,796.36		\$29,388,457.38	\$220,529,901.67
Thorium									
Kerr-McGee Chemical LLC	208,714,171.67	22,471,029.40	94,085,827.13	94,085,827.13	44,449,635.89	49,636,191.24	164,264,535.78	0.00	214,987,996.94
Total Thorium	\$208,714,171.67	\$22,471,029.40	\$94,085,827.13	\$94,085,827.13	\$44,449,635.89	\$49,636,191.24	\$164,264,535.78	\$0.00	\$214,987,996.94
Total Uranium and Thorium		\$33,760,205.01	\$136,279,087.60	\$106,890,630.22	\$50,499,100.00	\$85,779,987.60		\$29,388,457.38	\$435,517,898.61

Notes:

- Reimbursements to the licensees were issued on March 2004.
- For uranium licensees, the Individual Uranium Reimbursement Limit = (Individual Federal Related Dry Short Tons of Tailings x Inflation Adjusted Statutory Per Dry Short Ton Limit) - Cumulative Amount of Reimbursements Paid to Individual Uranium Licensee. For 2004, the inflation adjusted per dry short ton limit was \$8.1095936946 based on a calendar year CPI-U of 1.023 for 2003. For the thorium licensee, the Individual Thorium Reimbursement Limit is equal to the unpaid claim balance at the end of 2003 multiplied by the CPI-U for 2003.
- Formerly Quivira Mining Company.

Exhibit E-12A. First FY 2005 Payments (January 2005)

Licensor	Initial FY 2005 Individual Reimbursement Limits	Unpaid Claim Balances from Prior Years	Total Unpaid Claims Within Limits	First FY 2005 Payments	Unpaid Claim Balances After Payments	Individual Reimbursement Limits After Payments	Unpaid Claim Balances in Excess of Limits After Payments	Total Payments Through First FY 2005 Payment
Uranium								
American Nuclear Corp. Site	15,808,843.25					15,804,125.61	0.00	
<i>American Nuclear Corporation</i>		0.00	0.00	0.00	0.00			820,406.91
<i>State of Wyoming</i>		4,717.64	4,717.64	4,717.64	0.00			1,232,792.80
Atlantic Richfield Company	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32,305,902.36
Utah/NRC Moab Escrow	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9,694,190.01
Cotter Corporation	48,450.65	798,111.00	48,450.65	48,450.65	749,660.35	0.00	749,660.35	2,554,522.01
Dawn Mining Company	5,624,731.30	464,231.80	464,231.80	464,231.80	0.00	5,160,499.50	0.00	4,335,834.72
Homestake Mining Company	53,936,855.91	1,526,874.70	1,526,874.70	1,526,874.70	0.00	52,409,981.21	0.00	40,128,592.44
Pathfinder Mines Corporation	13,565,556.92	998,277.67	998,277.67	998,277.67	0.00	12,567,279.25	0.00	10,480,186.02
Petrotomics Company	3,211,828.22	26,721.68	26,721.68	26,721.68	0.00	3,185,106.54	0.00	2,694,348.85
Rio Algom Mining LLC ³	64,931,942.63	982,081.22	982,081.22	982,081.22	0.00	63,949,861.41	0.00	17,283,938.62
Tennessee Valley Authority	249,943.84	12,201,867.81	249,943.84	249,943.84	11,951,923.97	0.00	11,951,923.97	13,178,089.75
Umetco Minerals Corp.-CO	876,879.90	14,609,005.94	876,879.90	876,879.90	13,732,126.04	0.00	13,732,126.04	46,232,793.65
Umetco Minerals Corp.-WY	1,080,752.30	4,035,499.32	1,080,752.30	1,080,752.30	2,954,747.02	0.00	2,954,747.02	17,054,475.54
Western Nuclear, Inc.	612,627.41	496,407.58	496,407.58	496,407.58	0.00	116,219.83	0.00	29,289,166.91
Total Uranium		\$36,143,796.36	\$6,755,338.98	\$6,755,338.98	\$29,388,457.38		\$29,388,457.38	\$227,285,240.62
Thorium								
Kerr-McGee Chemical LLC ²	164,264,535.78	49,265,451.48	49,265,451.48	49,265,451.48	0.00	114,999,084.30	0.00	\$264,253,448.42
Total Thorium	\$164,264,535.78	\$49,265,451.48	\$49,265,451.48	\$49,265,451.48	0.00	\$114,999,084.30	0.00	\$264,253,448.42
Total Uranium and Thorium		\$85,409,247.84	\$56,020,790.46	\$56,020,790.46	\$29,388,457.38		\$29,388,457.38	\$491,538,689.04

Notes

- Reimbursements to the licensees were issued on January 24, 2005, for all outstanding approved prior year claims within the individual reimbursement limits for each licensee.
- The reimbursement to the thorium licensee was reduced by \$370,739.76 as a result of additional disallowed costs that were identified during a re-audit of overhead costs in their 2000 and 2001 claims.
- Formerly Quivira Mining Company.

Exhibit E-12B. FY 2005 Individual Approved Claim Amounts and Second FY 2005 Payments (March 2005¹)

Licensee	FY 2005 Individual Reimbursement Limits After 1st Payment	Approved Claim Amounts After FRR	Final Approved Claims Plus Unpaid Claim Balances	Total Unpaid Claims Within Limits	Second FY 2005 Payments	Unpaid Claim Balances After Payments	Individual Reimbursement Limits After Payments	Unpaid Claim Balances in Excess of Limits After Payments	Total Payments Through FY 2005
Uranium									
American Nuclear Corp. Site	16,286,273.39						16,286,273.39	0.00	
<i>American Nuclear Corporation</i>		0.00	0.00	0.00	0.00	0.00			820,406.91
<i>State of Wyoming</i>		0.00	0.00	0.00	0.00	0.00			1,232,792.80
Atlantic Richfield Company	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32,305,902.36
Utah/NRC Moab Escrow	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9,694,190.01
Cotter Corporation	68,972.10	21,727.87	771,388.22	68,972.10	67,637.53	703,750.69	1,334.57	702,416.12	2,622,159.54
Dawn Mining Company	5,416,900.52	960,248.31	960,248.31	960,248.31	941,668.10	18,580.21	4,475,232.42	0.00	5,277,502.82
Homestake Mining Company	54,908,522.70	1,150,341.66	1,150,341.66	1,150,341.66	1,128,083.26	22,258.40	53,780,439.44	0.00	41,256,675.70
Pathfinder Mines Corporation	13,189,560.81	52,180.37	52,180.37	52,180.37	51,170.72	1,009.65	13,138,390.09	0.00	10,531,356.75
Petrotomics Company	3,343,851.84	0.00	0.00	0.00	0.00	0.00	3,343,851.84	0.00	2,694,348.89
Rio Algom Mining LLC ³	66,143,174.01	1,886,295.62	1,886,295.62	1,886,295.62	1,849,796.97	36,498.65	64,293,377.04	0.00	19,133,735.60
Tennessee Valley Authority	355,808.43	0.00	11,951,923.97	355,808.43	348,923.76	11,603,000.21	6,884.67	11,596,115.54	13,527,013.51
Umetco Minerals Corp.-CO	1,248,285.43	2,086,977.60	15,819,103.64	1,248,285.43	1,224,131.88	14,594,971.76	24,153.55	14,570,818.21	47,456,925.53
Umetco Minerals Corp.-WY	460,470.84	863,064.22	3,817,811.24	460,470.84	451,561.01	3,366,250.23	8,909.83	3,357,340.40	17,506,036.55
Western Nuclear, Inc.	910,165.27	499,233.82	499,233.82	499,233.82	489,573.95	9,659.87	420,591.32	0.00	29,778,740.86
Total Uranium		\$7,520,069.47	\$36,908,526.85	\$6,681,836.58	\$6,552,547.18	\$30,355,979.67		\$30,226,690.27	\$233,837,787.83
Thorium									
Kerr-McGee Chemical LLC ²	118,104,059.58	16,709,990.36	16,709,990.36	² 16,709,990.36	16,386,662.36	323,328.00	101,717,397.22	0.00	280,640,110.78
Total Thorium	\$118,104,059.58	\$16,709,990.36	\$16,709,990.36	\$16,709,990.36	\$16,386,662.36	\$323,328.00	\$101,717,397.22	\$0.00	\$280,640,110.78
Total Uranium and Thorium		\$24,230,059.83	\$53,618,517.21	\$23,391,826.94	\$22,939,209.54	\$30,679,307.67		\$30,226,690.27	\$514,477,898.61

Notes:

- Partial reimbursement to the licensees were issued on March 29, 2005, for the claims submitted in 2004 within the individual reimbursement limits for each licensee. Partial reimbursements were made because the remaining FY 2005 funds were not sufficient to pay all eligible, approved costs.
- The approved claim amount for the thorium licensee was reduced by \$115,370.76 as a result of additional disallowed costs that were identified during a re-audit of overhead costs in their 1994 through 1999 claims.
- Formerly Quivira Mining Company.

Exhibit E-13. FY 2006 Individual Approved Claim Amounts and Payments (April 2006¹)

Licensee	FY 2006 Individual Reimbursement Limits	Approved Claim Amounts After FRR	Final Approved Claims Plus Unpaid Claim Balances	Total Unpaid Claims Within Limits	FY 2006 Payments	Unpaid Claim Balances After Payments	Individual Reimbursement Limits After Payments	Unpaid Claim Balances in Excess of Limits After Payments	Total Payments Through FY 2006
Uranium									
American Nuclear Corp. Site	16,909,815.47						16,909,815.47	0.00	
<i>American Nuclear Corporation</i>		0.00	0.00	0.00	0.00	0.00			820,406.91
<i>State of Wyoming</i>		0.00	0.00	0.00	0.00	0.00			1,232,792.80
Atlantic Richfield Company	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32,305,902.36
Utah/NRC Moab Escrow	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9,694,190.01
Cotter Corporation	90,533.37	0.00	703,750.69	90,533.37	79,426.35	624,324.34	11,107.02	613,217.32	2,701,585.89
Dawn Mining Company	4,806,825.42	631,640.65	650,220.86	650,220.86	570,449.02	79,771.84	4,236,376.40	0.00	5,847,951.84
Homestake Mining Company	57,011,701.35	1,290,439.84	1,312,698.24	1,312,698.24	1,151,650.87	161,047.37	55,860,050.48	0.00	42,408,326.57
Pathfinder Mines Corporation	13,943,161.49	101,147.57	102,157.22	102,157.22	89,624.14	12,533.08	13,853,537.35	0.00	10,620,980.89
Petrotomics Company	3,549,150.66	0.00	0.00	0.00	0.00	0.00	3,549,150.66	0.00	2,694,348.89
Rio Algom Mining LLC ²	67,129,898.87	3,328,432.90	3,364,931.55	3,364,931.55	2,952,107.52	412,824.03	64,177,791.35	0.00	22,085,843.12
Tennessee Valley Authority	467,037.21	0.00	11,603,000.21	467,037.21	409,739.11	11,193,261.10	57,298.10	11,135,963.00	13,936,752.62
Umetco Minerals Corp.-CO	1,638,510.24	1,592,119.44	16,187,091.20	1,638,510.24	1,437,490.88	14,749,600.32	201,019.36	14,548,580.96	48,894,416.41
Umetco Minerals Corp.-WY	604,418.01	532,260.72	3,898,510.95	604,418.01	530,265.45	3,368,245.50	74,152.56	3,294,092.94	18,036,302.00
Western Nuclear, Inc.	1,447,368.61	483,017.49	492,677.36	492,677.36	432,233.62	60,443.74	1,015,134.99	0.00	30,210,974.48
Total Uranium		\$7,959,058.61	\$38,315,038.28	\$8,723,184.06	\$7,652,986.96	\$30,662,051.32		\$29,591,854.22	\$241,490,774.79
Thorium									
Tronox LLC ³	105,175,788.73	13,408,344.73	13,731,672.73	13,731,672.73	12,047,013.04	1,684,659.69	93,128,775.69	0.00	292,687,123.82
Total Thorium	\$105,175,788.73	\$13,408,344.73	\$13,731,672.73	\$13,731,672.73	\$12,047,013.04	\$1,684,659.69	\$93,128,775.69	\$0.00	\$292,687,123.82
Total Uranium and Thorium		\$21,367,403.34	\$52,046,711.01	\$22,454,856.79	\$19,700,000.00	\$32,346,711.01		\$29,591,854.22	\$534,177,898.61

Notes:

1. Partial reimbursement to the licensees were issued on April 18, 2006, for prior year unpaid claim balances and the claims submitted in 2005 within the individual reimbursement limits for each licensee. Partial reimbursements were made because the FY 2006 funds were not sufficient to pay all eligible, approved costs.
2. Formerly Quivira Mining Company.
3. Formerly Kerr-McGee Chemical LLC.

Exhibit E-14. FY 2007 Individual Approved Claim Amounts and Payments (April 2007¹)

Licensee	FY 2007 Individual Reimbursement Limits	Approved Claim Amounts After FRR	Final Approved Claims Plus Unpaid Claim Balances	Total Unpaid Claims Within Limits	FY 2007 Payments	Unpaid Claim Balances After Payments	Individual Reimbursement Limits After Payments	Unpaid Claim Balances in Excess of Limits After Payments	Total Payments Through FY 2007
Uranium									
American Nuclear Corp. Site	17,516,613.96						17,507,237.27	0.00	
<i>American Nuclear Corporation</i>		0.00	0.00	0.00	0.00	0.00			820,406.91
<i>State of Wyoming</i>		12,182.91	12,182.91	12,182.91	9,394.69	2788.22			1,242,187.49
Atlantic Richfield Company	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32,305,902.36
Utah/NRC Moab Escrow	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9,694,190.01
Cotter Corporation	97,913.19	0.00	624,324.34	97,913.19	75,504.43	548,819.91	22,408.76	526,411.15	2,777,090.32
Dawn Mining Company	4,559,074.90	988,193.30	1,067,965.14	1,067,965.14	823,546.86	244,418.28	3,735,528.04	0.00	6,671,498.70
Homestake Mining Company	59,004,638.55	1,357,076.60	1,518,123.97	1,518,123.97	1,170,680.75	347,443.22	57,833,957.80	0.00	43,579,007.32
Pathfinder Mines Corporation	14,636,721.93	58,957.29	71,490.37	71,490.37	55,128.83	16,361.54	14,581,593.10	0.00	10,676,109.72
Petrotomics Company	3,748,942.65	156,079.32	156,079.32	156,079.32	120,358.45	35,720.87	3,628,584.20	0.00	2,814,707.34
Rio Algom Mining LLC ²	66,938,227.65	3,812,947.21	4,225,771.24	4,225,771.24	3,258,646.28	967,124.96	63,679,581.37	0.00	25,344,489.40
Tennessee Valley Authority	505,107.72	0.00	11,193,261.10	505,107.72	389,506.98	10,803,754.12	115,600.74	10,688,153.38	14,326,259.60
Umetco Minerals Corp.-CO	1,772,073.31	2,452,236.33	17,201,836.65	1,772,073.31	1,366,510.34	15,835,326.31	405,562.97	15,429,763.34	50,260,926.75
Umetco Minerals Corp.-WY	653,687.10	1,181,262.66	4,549,508.16	653,687.10	504,081.96	4,045,426.20	149,605.14	3,895,821.06	18,540,383.96
Western Nuclear, Inc.	2,014,370.50	398,215.78	458,659.52	458,659.52	353,689.08	104,970.44	1,660,681.42	0.00	30,564,663.56
Total Uranium		\$10,417,151.40	\$41,079,202.72	\$10,539,053.79	\$8,127,048.65	\$32,952,154.07		\$30,540,148.93	\$249,617,823.44
Thorium									
Tronox LLC ³	96,108,896.51	13,193,318.36	14,877,978.05	14,877,978.05	11,472,951.35	3,405,026.70	84,635,945.16	0.00	304,160,075.17
Total Thorium	\$ 96,108,896.51	\$13,193,318.36	\$14,877,978.05	\$14,877,978.05	\$11,472,951.35	\$3,405,026.70	\$84,635,945.16	\$0.00	\$304,160,075.17
Total Uranium and Thorium		\$23,610,469.76	\$55,957,180.77	\$25,417,031.84	\$19,600,000.00	\$36,357,180.77		\$30,540,148.93	\$553,777,898.61

Notes:

1. Partial reimbursement to the licensees were issued in two payments on April 13 and April 26, 2007, for prior year unpaid claim balances and the claims submitted in 2006 within the individual reimbursement limits for each licensee. Partial reimbursements were made because the FY 2007 funds were not sufficient to pay all eligible, approved costs.
2. Formerly Quivira Mining Company.
3. Formerly Kerr-McGee Chemical LLC.

Exhibit E-15. FY 2008 Individual Approved Claim Amounts and Payments (April 2008¹)

Licensee	FY 2008 Individual Reimbursement Limits	Approved Claim Amounts After FRR	Final Approved Claims Plus Unpaid Claim Balances	Total Unpaid Claims Within Limits	FY 2008 Payments	Unpaid Claim Balances After Payments	Individual Reimbursement Limits After Payments	Unpaid Claim Balances in Excess of Limits After Payments	Total Payments Through FY 2008
Uranium									
American Nuclear Corp. Site	18,055,192.56						18,053,254.98	0.00	
<i>American Nuclear Corporation</i>		0.00	0.00	0.00	0.00	0.00			\$820,406.91
<i>State of Wyoming</i>		0.00	2,788.22	2,788.22	1,937.58	850.64			\$1,244,125.07
Atlantic Richfield Company	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$32,305,902.36
Utah/NRC Moab Escrow	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$9,694,190.01
Cotter Corporation	100,794.74	84,635.72	633,455.63	100,794.74	70,043.87	563,411.76	30,750.87	532,660.89	\$2,847,134.19
Dawn Mining Company	4,026,924.79	558,790.61	803,208.89	803,208.89	558,162.69	245,046.20	3,468,762.10	0.00	\$7,229,661.39
Homestake Mining Company	60,673,520.82	1,795,255.18	2,142,698.40	2,142,698.40	1,488,995.34	653,703.06	59,184,525.48	0.00	\$45,068,002.66
Pathfinder Mines Corporation	15,288,808.78	29,832.76	46,194.30	46,194.30	32,101.16	14,093.14	15,256,707.62	0.00	\$10,708,210.88
Petrotomics Company	3,808,996.36	0.00	35,720.87	35,720.87	24,823.00	10,897.87	3,784,173.36	0.00	\$2,839,530.34
Rio Algom Mining LLC ²	66,172,255.35	4,447,211.53	5,414,336.49	5,414,336.49	3,762,508.91	1,651,827.58	62,409,746.44	0.00	\$29,106,998.31
Tennessee Valley Authority	519,972.83	0.00	10,803,754.12	519,972.83	361,337.42	10,442,416.70	158,635.41	10,283,781.29	\$14,687,597.02
Umetco Minerals Corp.-CO	1,824,224.68	3,874,067.71	19,709,394.02	1,824,224.68	1,267,682.87	18,441,711.15	556,541.81	17,885,169.34	\$51,528,609.62
Umetco Minerals Corp.-WY	672,924.84	941,971.06	4,987,397.26	672,924.84	467,626.22	4,519,771.04	205,298.62	4,314,472.42	\$19,008,010.18
Western Nuclear, Inc.	2,562,991.08	307,547.98	412,518.42	412,518.42	286,665.64	125,852.78	2,276,325.44	0.00	\$30,851,329.20
Total Uranium		\$12,039,312.55	\$44,991,466.62	\$11,975,382.68	\$8,321,884.70	\$36,669,581.92		\$33,016,083.94	\$257,939,708.14
Thorium									
Tronox LLC ³	87,005,751.62	12,850,341.93	16,255,368.63	16,255,368.63	11,296,115.30	4,959,253.33	75,709,636.32	0.00	315,456,190.47
Total Thorium	\$87,005,751.62	\$12,850,341.93	\$16,255,368.63	\$16,255,368.63	\$11,296,115.30	\$4,959,253.33	\$75,709,636.32	\$0.00	\$315,456,190.47
Total Uranium and Thorium		\$24,889,654.48	\$61,246,835.25	\$28,230,751.31	\$19,618,000.00	\$41,628,835.25		\$33,016,083.94	\$573,395,898.61

Exhibit E-16. FY 2009 Individual Approved Claim Amounts and Payments (April 2009¹)

Licensor	FY 2009 Individual Reimbursement Limits	Approved Claim Amounts After FRR	Final Approved Claims Plus Unpaid Claim Balances	Total Unpaid Claims Within Limits	FY 2009 Payments	Unpaid Claim Balances After Payments	Individual Reimbursement Limits After Payments	Unpaid Claim Balances in Excess of Limits After Payments	Total Payments Through FY 2009
Uranium									
American Nuclear Corp. Site	18,817,730.88						18,792,364.23	0.00	
<i>American Nuclear Corporation</i>		0.00	0.00	0.00	0.00	0.00			\$820,406.91
<i>State of Wyoming</i>		24,516.01	25,366.65	25,366.65	25,366.65	0.00			\$1,269,491.72
Atlantic Richfield Company	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$32,305,902.36
Utah/NRC Moab Escrow	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$9,694,190.01
Cotter Corporation	140,110.50	0.00	563,411.76	140,110.50	140,110.50	423,301.26	0.00	423,301.26	\$2,987,244.69
Dawn Mining Company	3,875,302.19	422,428.40	667,474.60	667,474.60	667,474.60	0.00	3,207,827.59	0.00	\$7,897,135.99
Homestake Mining Company	63,146,121.55	1,614,852.33	2,268,555.39	2,268,555.39	2,268,555.39	0.00	60,877,566.16	0.00	\$47,336,558.05
Pathfinder Mines Corporation	16,243,374.52	0.00	14,093.14	14,093.14	14,093.14	0.00	16,229,281.38	0.00	\$10,722,304.02
Petrochemicals Company	4,035,874.10	0.00	10,897.87	10,897.87	10,897.87	0.00	4,024,976.23	0.00	\$2,850,428.21
Rio Algom Mining LLC ²	65,887,382.75	4,485,842.77	6,137,670.35	6,137,670.35	6,137,670.35	0.00	59,749,712.40	0.00	\$35,244,668.66
Tennessee Valley Authority	722,792.24	0.00	10,442,416.70	722,792.24	722,792.24	9,719,624.46	0.00	9,719,624.46	\$15,410,389.26
Umetco Minerals Corp.-CO	2,535,777.56	3,238,784.86	21,680,496.01	2,535,777.56	2,535,777.56	19,144,718.45	0.00	19,144,718.45	\$54,064,387.18
Umetco Minerals Corp.-WY	935,404.35	151,133.48	4,670,904.52	935,404.35	935,404.35	3,735,500.17	0.00	3,735,500.17	\$19,943,414.53
Western Nuclear, Inc. ³	3,535,176.31	432,228.08	723,354.49	723,354.49	723,354.49	0.00	2,811,821.82	0.00	\$31,574,683.69
Total Uranium		\$10,369,785.93	\$47,204,641.48	\$14,181,497.14	\$14,181,497.14	\$33,023,144.34		\$33,023,144.34	\$272,121,205.28
Thorium									
Tronox LLC ⁴	78,586,602.50	12,729,804.13	17,689,057.46	17,689,057.46	17,689,057.46	0.00	60,897,545.04	0.00	333,145,247.93
Total Thorium	\$78,586,602.50	\$12,729,804.13	\$17,689,057.46	\$17,689,057.46	\$17,689,057.46	\$0.00	\$60,897,545.04	\$0.00	\$333,145,247.93
Total Uranium and Thorium		\$23,099,590.06	\$64,893,698.94	\$31,870,554.60	\$31,870,554.60	\$33,023,144.34		\$33,023,144.34	\$605,266,453.21

Notes:

1. Reimbursements to the uranium licensees were issued on April 29, 2009, for prior year unpaid claim balances and the claims submitted in 2008 within the individual reimbursement limits for each licensee. The thorium reimbursement was made on September 3, 2009.
2. Formerly Quivira Mining Company.
3. The payment for this licensee included \$165,273.63 for an underpayment in a previous year.
4. Formerly Kerr-McGee Chemical LLC.

Exhibit E-17. FY 2010 Individual Approved Claim Amounts and Payments (January 2010¹)

Licensee	FY 2010 Individual Reimbursement Limits	Approved Claim Amounts After FRR	Final Approved Claims Plus Unpaid Claim Balances	Total Unpaid Claims Within Limits	FY 2010 Payments	Unpaid Claim Balances After Payments	Individual Reimbursement Limits After Payments	Unpaid Claim Balances in Excess of Limits After Payments	Total Payments Through FY 2010
Uranium									
American Nuclear Corp. Site	18,792,364.23						18,788,819.76	0.00	
<i>American Nuclear Corporation</i>		0.00	0.00	0.00	0.00	0.00			\$820,406.91
<i>State of Wyoming</i>		3,544.47	3,544.47	3,544.47	3,544.47	0.00			\$1,273,036.19
Atlantic Richfield Company	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$32,305,902.36
Utah/NRC Moab Escrow	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$9,694,190.01
Cotter Corporation	0.00	0.00	423,301.26	0.00	0.00	423,301.26	0.00	423,301.26	\$2,987,244.69
Dawn Mining Company	3,207,827.59	662,624.57	662,624.57	662,624.57	662,624.57	0.00	2,545,203.02	0.00	\$8,559,760.56
Homestake Mining Company	60,877,566.16	1,958,701.52	1,958,701.52	1,958,701.52	1,958,701.52	0.00	58,918,864.64	0.00	\$49,295,259.57
Pathfinder Mines Corporation	16,229,281.38	0.00	0.00	0.00	0.00	0.00	16,229,281.38	0.00	\$10,722,304.02
Petrotomics Company	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$2,850,428.21
Rio Algom Mining LLC ²	59,749,712.40	3,698,459.31	3,698,459.31	3,698,459.31	3,698,459.31	0.00	56,051,253.09	0.00	\$38,943,127.97
Tennessee Valley Authority	0.00	0.00	9,719,624.46	0.00	0.00	9,719,624.46	0.00	9,719,624.46	\$15,410,389.26
Umetco Minerals Corp.-CO	0.00	904,699.36	20,049,417.81	0.00	0.00	20,049,417.81	0.00	20,049,417.81	\$54,064,387.18
Umetco Minerals Corp.-WY	0.00	307,048.03	4,042,548.20	0.00	0.00	4,042,548.20	0.00	4,042,548.20	\$19,943,414.53
Western Nuclear, Inc.	2,811,821.82	94,897.41	94,897.41	94,897.41	94,897.41	0.00	2,716,924.41	0.00	\$31,669,581.10
Total Uranium		\$7,629,974.67	\$40,653,119.01	\$6,418,227.28	\$6,418,227.28	\$34,234,891.73		\$34,234,891.73	\$278,539,432.56
Thorium									
Tronox LLC ³	60,897,545.04	7,335,561.84	7,335,561.84	7,335,561.84	7,335,561.84	0.00	53,561,983.20	0.00	340,480,809.77
Total Thorium	\$60,897,545.04	\$7,335,561.84	\$7,335,561.84	\$7,335,561.84	\$7,335,561.84	\$0.00	\$53,561,983.20	\$0.00	\$340,480,809.77
Total Uranium and Thorium		\$14,965,536.51	\$47,988,680.85	\$13,753,789.12	\$13,753,789.12	\$34,234,891.73		\$34,234,891.73	\$619,020,242.33

Notes:

1. Reimbursements to the licensees were issued on January 22, 2010, for the claims submitted in 2009 within the individual reimbursement limits for each licensee.
2. Formerly Quivira Mining Company.
3. Formerly Kerr-McGee Chemical LLC.

Exhibit E-18. FY 2011 Individual Approved Claim Amounts and Payments (January 2011¹)

Licensee	FY 2011 Individual Reimbursement Limits	Approved Claim Amounts After FRR	Final Approved Claims Plus Unpaid Claim Balances	Total Unpaid Claims Within Limits	FY 2011 Payments	Unpaid Claim Balances After Payments	Individual Reimbursement Limits After Payments	Unpaid Claim Balances in Excess of Limits After Payments	Total Payments Through FY 2011
Uranium									
American Nuclear Corp. Site	19,122,935.97						19,119,313.88		
<i>American Nuclear Corporation</i>		0.00	0.00	0.00	0.00	0.00		0.00	\$820,406.91
<i>State of Wyoming</i>		3,622.09	3,622.09	3,622.09	3,622.09	0.00		0.00	\$1,276,658.28
Atlantic Richfield Company	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$32,305,902.36
Utah/NRC Moab Escrow	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$9,694,190.01
Cotter Corporation	47,795.91	0.00	423,301.26	47,795.91	47,795.91	375,505.35	0.00	375,505.35	\$3,035,040.60
Dawn Mining Company	2,722,882.44	943,809.30	943,809.30	943,809.30	943,809.30	0.00	1,779,073.14	0.00	\$9,503,569.86
Homestake Mining Company	60,650,290.63	1,957,875.29	1,957,875.29	1,957,875.29	1,957,875.29	0.00	58,692,415.34	0.00	\$51,253,134.86
Pathfinder Mines Corporation	16,660,506.75	43,127.27	43,127.27	43,127.27	43,127.27	0.00	16,617,379.48	0.00	\$10,765,431.29
Petrotomics Company	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$2,850,428.21
Rio Algom Mining LLC ²	57,571,163.18	2,297,544.73	2,297,544.73	2,297,544.73	2,297,544.73	0.00	55,273,618.45	0.00	\$41,240,672.70
Tennessee Valley Authority	246,566.23	0.00	9,719,624.46	246,566.23	246,566.23	9,473,058.23	0.00	9,473,058.23	\$15,656,955.49
Umetco Minerals Corp.-CO	865,030.20	0.00	20,049,417.81	865,030.20	865,030.20	19,184,387.61	0.00	19,184,387.61	\$54,929,417.38
Umetco Minerals Corp.-WY	319,094.63	0.00	4,042,548.20	319,094.63	319,094.63	3,723,453.57	0.00	3,723,453.57	\$20,262,509.16
Western Nuclear, Inc.	3,267,108.50	231,824.39	231,824.39	231,824.39	231,824.39	0.00	3,035,284.11	0.00	\$31,901,405.49
Total Uranium		\$5,477,803.07	\$39,712,694.80	\$6,956,290.04	\$6,956,290.04	\$32,756,404.76		\$32,756,404.76	\$285,495,722.60
Thorium									
Tronox LLC ³	54,418,974.93	2,316,623.16	2,316,623.16	2,316,623.16	2,316,623.16	0.00	52,102,351.77	0.00	342,797,432.93
Total Thorium	\$54,418,974.93	\$2,316,623.16	\$2,316,623.16	\$2,316,623.16	\$2,316,623.16	\$0.00	\$52,102,531.77	\$0.00	\$342,797,432.93
Total Uranium and Thorium		\$7,794,426.23	\$42,029,317.96	\$9,272,913.20	\$9,272,913.20	\$32,756,404.76		\$32,756,404.76	\$628,293,155.53

Notes:

1. Reimbursements to the licensees were issued on January 26, 2011, for the claims submitted in 2010 within the individual reimbursement limits for each licensee.
2. Formerly Quivira Mining Company.
3. Formerly Kerr-McGee Chemical LLC

Exhibit E-19. FY 2012 Individual Approved Claim Amounts and Payments (March & May, 2012¹)

Licensee	FY 2012 Individual Reimbursement Limits	Approved Claim Amounts After FRR	Final Approved Claims Plus Unpaid Claim Balances	Total Unpaid Claims Within Limits	FY 2012 Payments	Unpaid Claim Balances After Payments	Individual Reimbursement Limits After Payments	Unpaid Claim Balances in Excess of Limits After Payments	Total Payments Through FY 2012
Uranium:									
American Nuclear Corp. Site	19,798,238.01						19,795,562.32		
<i>American Nuclear Corporation</i>		0.00	0.00	0.00	0.00	0.00		0.00	\$820,406.91
<i>State of Wyoming</i>		4,021.67	4,021.67	4,021.67	2,675.69	1,345.98		0.00	\$1,279,333.97
Atlantic Richfield Company	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$32,305,902.36
Utah/NRC Moab Escrow	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$9,694,190.01
Cotter Corporation	97,121.30	0.00	375,505.35	97,121.30	64,616.65	310,888.70	32,504.65	278,384.05	\$3,099,657.25
Dawn Mining Company	2,140,117.72	1,275,498.00	1,275,498.00	1,275,498.00	848,613.06	426,884.94	1,291,504.66	0.00	\$10,352,182.92
Homestake Mining Company	62,210,672.94	4,136,265.09	4,136,265.09	4,136,265.09	2,751,935.79	1,384,329.30	59,458,737.15	0.00	\$54,005,070.65
Pathfinder Mines Corporation	17,493,629.42	24,317.67	24,317.67	24,317.67	16,179.01	8,138.66	17,477,450.41	0.00	\$10,781,610.30
Petrotomics Company	0.00	0.00	0.00	0.00	0.00	0.00	4,358,515.85	0.00	\$2,850,428.21
Rio Algom Mining LLC ²	58,362,075.77	710,145.15	710,145.15	710,145.15	472,473.07	237,672.08	57,889,602.70	0.00	\$41,713,145.77
Tennessee Valley Authority	501,022.57	0.00	9,473,058.23	501,022.57	333,339.84	9,139,718.39	167,682.73	8,972,035.66	\$15,990,295.33
Umetco Minerals Corp.-CO	1,757,741.35	0.00	19,184,387.61	1,757,741.35	1,169,458.73	18,014,928.88	588,282.62	17,426,646.26	\$56,098,876.11
Umetco Minerals Corp.-WY	648,400.30	0.00	3,723,453.57	648,400.30	431,393.04	3,292,060.53	217,007.26	3,075,053.27	\$20,693,902.20
Western Nuclear, Inc.	4,153,258.18	240,726.90	240,726.90	240,726.90	160,160.18	80,566.72	3,993,098.00	0.00	\$32,061,565.67
Total Uranium		\$6,390,974.48	\$39,147,379.24	\$9,395,260.00	\$6,250,845.06	\$32,896,534.18		\$29,752,119.24	\$291,746,567.66
Thorium:									
West Chicago Env. Resp. Trust ³	53,769,627.03	13,154,437.94	13,154,437.94	13,154,437.94	8,751,897.62	4,402,540.32	45,017,729.41	0.00	\$351,549,330.55
Total Thorium	\$53,769,627.03	\$13,154,437.94	\$13,154,437.94	\$13,154,437.94	\$8,751,897.62	\$4,402,540.32	\$45,017,729.41	\$0.00	\$351,549,330.55
Total Uranium and Thorium		\$19,545,412.42	\$52,301,817.18	\$22,549,697.94	\$15,002,742.68	\$37,299,074.50		\$29,752,119.24	\$643,295,898.21

Notes:

1. Reimbursements to the licensees were authorized on March 8, 2012, and May 30, 2012, for the claims submitted in 2011 within the individual reimbursement limits for each licensee.
2. Formerly Quivira Mining Company.
3. Former licensees: Kerr-McGee Chemical LLC, and Tronox LLC. The West Chicago Environmental Response Trust was appointed as the new licensee and trustee for the West Chicago Site in February of 2011.

Exhibit E-20. FY 2013 Individual Approved Claim Amounts and Payments¹

Licensee	FY 2013 Individual Reimbursement Limits	Approved Claim Amounts After FRR	Final Approved Claims Plus Unpaid Claim Balances	Total Unpaid Claims Within Limits	FY 2013 Payments	Unpaid Claim Balances After Payments	Individual Reimbursement Limits After Payments	Unpaid Claim Balances in Excess of Limits After Payments	Total Payments Through FY 2013
Uranium:									
American Nuclear Corp. Site	20,255,363.68		0.00				20,255,363.68		
<i>American Nuclear Corporation</i>		0.00		0.00	0.00	0.00		0.00	\$820,406.91
<i>State of Wyoming</i>		0.00	1,345.98	1,345.98	0.00	1,345.98		0.00	\$1,279,333.97
Atlantic Richfield Company	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$32,305,902.36
Utah/NRC Moab Escrow	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$9,694,190.01
Cotter Corporation	98,280.05	0.00	310,888.70	98,280.05	0.00	310,888.70	98,280.05	212,608.65	\$3,099,657.25
Dawn Mining Company	1,536,022.10	559,917.21	986,802.15	986,802.15	0.00	986,802.15	1,536,022.10	0.00	\$10,352,182.92
Homestake Mining Company	61,841,477.12	3,475,576.83	4,859,906.13	4,859,906.13	0.00	4,859,906.13	61,841,477.12	0.00	\$54,005,070.65
Pathfinder Mines Corporation	18,070,890.69	0.00	8,138.66	8,138.66	0.00	8,138.66	18,070,890.69	0.00	\$10,781,610.30
Petrotomics Company	4,509,903.67	0.00	0.00	0.00	0.00	0.00	4,509,903.67	0.00	\$2,850,428.21
Rio Algom Mining LLC ²	59,981,260.42	408,369.53	646,041.61	646,041.61	0.00	646,041.61	59,981,260.42	0.00	\$41,713,145.77
Tennessee Valley Authority	507,000.27	0.00	9,139,718.39	507,000.27	0.00	9,139,718.39	507,000.27	8,632,718.12	\$15,990,295.33
Umetco Minerals Corp.-CO	1,778,712.96	847,985.18	18,862,914.06	1,778,712.96	0.00	18,862,914.06	1,778,712.96	17,084,201.10	\$56,098,876.11
Umetco Minerals Corp.-WY	656,136.36	949,417.90	4,241,478.43	656,136.36	0.00	4,241,478.43	656,136.36	3,585,342.07	\$20,693,902.20
Western Nuclear, Inc.	4,750,245.93	154,724.62	235,291.34	235,291.34	0.00	235,291.34	4,750,245.93	0.00	\$32,061,565.67
Total Uranium		\$6,395,991.27	\$39,292,525.45	\$9,777,655.51	\$0.00	\$39,292,525.45		\$29,514,869.94	\$291,746,567.66
Thorium:									
West Chicago Env. Resp. Trust ³	45,963,101.73	10,891,684.54	15,294,224.86	15,294,224.86	0.00	15,294,224.86	45,963,101.73	0.00	\$351,549,330.55
Total Thorium	\$45,963,101.73	\$10,891,684.54	\$15,294,224.86	\$15,294,224.86	\$0.00	\$15,294,224.86	\$45,963,101.73	\$0.00	\$351,549,330.55
Total Uranium and Thorium		\$17,287,675.81	\$54,586,750.31	\$25,071,880.37	\$0.00	\$54,586,750.31		\$29,514,869.94	\$643,295,898.21

Notes:

1. Due to funding shortages, DOE was unable to provide reimbursements to uranium and thorium licensees in FY 2013.
2. Formerly Quivira Mining Company.
3. Former licensees: Kerr-McGee Chemical LLC, and Tronox LLC. The West Chicago Environmental Response Trust was appointed as the new licensee and trustee for the West Chicago Site in February of 2011.

Exhibit E-21. FY 2014 Individual Approved Claim Amounts and Payments¹

Licensee	FY 2014 Individual Reimbursement Limits	Approved Claim Amounts After FRR	Final Approved Claims Plus Unpaid Claim Balances	Total Unpaid Claims Within Limits	FY 2014 Payments	Unpaid Claim Balances After Payments	Individual Reimbursement Limits After Payments	Unpaid Claim Balances in Excess of Limits After Payments	Total Payments Through FY 2014
Uranium:									
American Nuclear Corp. Site	20,590,690.25	0.00	0.00				20,590,690.25		
<i>American Nuclear Corporation</i>		0.00	0.00	0.00	0.00	0.00		0.00	\$820,406.91
<i>State of Wyoming</i>		0.00	1,345.98	1,345.98	0.00	1,345.98		0.00	\$1,279,333.97
Atlantic Richfield Company	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$32,305,902.36
Utah/NRC Moab Escrow	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$9,694,190.01
Cotter Corporation	146,249.11	0.00	310,888.70	146,249.11	0.00	310,888.70	146,249.11	164,639.59	\$3,099,657.25
Dawn Mining Company ⁴	1,714,345.17	775,305.97	1,762,108.12	1,714,345.17	0.00	1,762,108.12	1,714,345.17	47,762.95	\$10,352,182.92
Homestake Mining Company ⁴	63,579,175.33	3,372,101.13	8,232,007.26	8,232,007.26	0.00	8,232,007.26	63,579,175.33	0.00	\$54,005,070.65
Pathfinder Mines Corporation	18,503,678.20	0.00	8,138.66	8,138.66	0.00	8,138.66	18,503,678.20	0.00	\$10,781,610.30
Petrotomics Company	4,620,308.65	0.00	0.00	0.00	0.00	0.00	4,620,308.65	0.00	\$2,850,428.21
Rio Algom Mining LLC ²	61,506,676.51	0.00	646,041.61	646,041.61	0.00	646,041.61	61,506,676.51	0.00	\$41,713,145.77
Tennessee Valley Authority	754,459.71	0.00	9,139,718.39	754,459.71	0.00	9,139,718.39	754,459.71	8,385,258.68	\$15,990,295.33
Umetco Minerals Corp.-CO ⁴	2,646,876.79	505,096.48	19,368,010.54	2,646,876.79	0.00	19,368,010.54	2,646,876.79	16,721,133.75	\$56,098,876.11
Umetco Minerals Corp.-WY ⁴	976,386.93	123,376.46	4,364,854.89	976,386.93	0.00	4,364,854.89	976,386.93	3,388,467.96	\$20,693,902.20
Western Nuclear, Inc. ⁴	5,302,423.11	155,553.20	390,844.54	390,844.54	0.00	390,844.54	5,302,423.11	0.00	\$32,061,565.67
Total Uranium		\$4,931,433.24	\$44,223,958.69	\$15,516,695.76	\$0.00	\$44,223,958.69		\$28,707,262.93	\$291,746,567.66
Thorium:									
West Chicago Env. Resp. Trust ³⁴	46,652,548.26	12,560,975.91	27,855,200.77	27,855,200.77	0.00	27,855,200.77	46,652,548.26	0.00	\$351,549,330.55
Total Thorium	\$46,652,548.26	\$12,560,975.91	\$27,855,200.77	\$27,855,200.77	\$0.00	\$27,855,200.77	\$46,652,548.26	\$0.00	\$351,549,330.55
Total Uranium and Thorium		\$17,492,409.15	\$72,079,159.46	\$43,371,896.53	\$0.00	\$72,079,159.46		\$28,707,262.93	\$643,295,898.21

Notes:

1. Due to funding shortages, DOE was unable to provide reimbursements to uranium and thorium licensees in FY 2014.
2. Formerly Quivira Mining Company.
3. Former licensees: Kerr-McGee Chemical LLC, and Tronox LLC. The West Chicago Environmental Response Trust was appointed as the new licensee and trustee for the West Chicago Site in February of 2011.
4. Financial reviews were conducted, and amounts have been updated as appropriate.

Exhibit E-22. FY 2015a Individual Approved Claim Amounts and Payments

Licensee	FY 2015 Individual Reimbursement Limits	Approved Claim Amounts After FRR ³	Final Approved Claims Plus Unpaid Claim Balances	Total Unpaid Claims Within Limits	FY 2015 Payments	Unpaid Claim Balances After Payments	Individual Reimbursement Limits After Payments	Unpaid Claim Balances in Excess of Limits After Payments	Total Payments Through FY 2015
Uranium:									
American Nuclear Corp. Site	20,953,737.15		0.00				20,953,259.21	0.00	
<i>American Nuclear Corporation</i>		0.00	0.00	0.00	0.00	0.00		0.00	\$820,406.91
<i>State of Wyoming</i>		0.00	1,345.98	1,345.98	477.94	868.04		0.00	\$1,279,811.91
Atlantic Richfield Company	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$32,305,902.36
Utah/NRC Moab Escrow	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$9,694,190.01
Cotter Corporation	198,183.61	0.00	310,888.70	198,183.61	70,372.13	240,516.57	127,811.48	112,705.09	\$3,170,029.38
Dawn Mining Company	1,907,409.62	0.00	986,802.15	986,802.15	350,399.15	636,403.00	1,557,010.47	0.00	\$10,702,582.07
Homestake Mining Company	65,460,523.27	0.00	4,859,906.13	4,859,906.13	1,725,682.25	3,134,223.88	63,734,841.02	0.00	\$55,730,752.90
Pathfinder Mines Corporation	18,972,242.82	0.00	8,138.66	8,138.66	2,889.92	5,248.74	18,969,352.90	0.00	\$10,784,500.22
Petrotomics Company	4,739,840.44	0.00	0.00	0.00	0.00	0.00	4,739,840.44	0.00	\$2,850,428.21
Rio Algom Mining LLC ¹	63,158,193.67	0.00	646,041.61	646,041.61	229,400.00	416,641.61	62,928,793.67	0.00	\$41,942,545.77
Tennessee Valley Authority	1,022,375.79	0.00	9,139,718.39	1,022,375.79	363,030.83	8,776,687.56	659,344.96	8,117,342.60	\$16,353,326.16
Umetco Minerals Corp.-CO	3,586,808.84	0.00	18,862,914.06	3,586,808.84	1,273,623.85	17,589,290.21	2,313,184.99	15,276,105.22	\$57,372,499.96
Umetco Minerals Corp.-WY	1,323,111.56	0.00	4,241,478.43	1,323,111.56	469,817.74	3,771,660.69	853,293.82	2,918,366.87	\$21,163,719.94
Western Nuclear, Inc.	5,900,246.93	0.00	235,291.34	235,291.34	83,548.55	151,742.79	5,816,698.38	0.00	\$32,145,114.22
Total Uranium	\$187,222,673.70	\$0.00	\$39,292,525.45	\$12,868,005.67	\$4,569,242.36	\$34,723,283.09	\$182,653,431.34	\$26,424,519.78	\$296,315,810.02
Thorium:									
West Chicago Env. Resp Trust ²	47,398,989.03	0.00	15,294,224.86	15,294,224.86	5,430,757.64	9,863,467.22	41,968,231.39	0.00	\$356,980,088.19
Total Thorium	\$47,398,989.03	\$0.00	\$15,294,224.86	\$15,294,224.86	\$5,430,757.64	\$9,863,467.22	\$41,968,231.39	\$0.00	\$356,980,088.19
Total Uranium and Thorium		0.00	\$54,586,750.31	\$28,162,230.53	\$10,000,000.00	\$44,586,750.31	\$224,621,662.73	\$26,424,519.78	\$653,295,898.21

Notes:

- Formerly Quivira Mining Company.
- Former licensees: Kerr-McGee Chemical LLC, and Tronox LLC. The West Chicago Environmental Response Trust was appointed as the new licensee and trustee for the West Chicago Site in February of 2011.
- 2015a reimbursements were based on already approved claims from FY 2013 in Exhibit D-20 since at the time of available appropriations, DOE was in the process of conducting a financial review on claims shown in Exhibit E-21 (claims submitted to DOE in FY 2013 that were reported in the FY 2014 Title X Annual Report) and Exhibit D-23 (claims submitted to DOE in FY 2014 that are newly being reported in this year's Title X Annual Report).

Exhibit E-23. FY 2015b Individual Approved Claim Amounts and Payments

Licensee	FY 2015 Individual Reimbursement Limits	Approved Claim Amounts After FRR	Final Approved Claims Plus Unpaid Claim Balances	Total Unpaid Claims Within Limits	FY 2015 Payments ³	Unpaid Claim Balances After Payments	Individual Reimbursement Limits After Payments	Unpaid Claim Balances in Excess of Limits After Payments	Total Payments Through FY 2015
Uranium:									
American Nuclear Corp. Site	20,953,259.21		0.00				20,953,259.21	0.00	
<i>American Nuclear Corporation</i>		0.00	0.00	0.00	0.00	0.00			\$820,406.91
<i>State of Wyoming</i>		0.00	868.04	868.04	0.00	868.04			\$1,279,811.91
Atlantic Richfield Company	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$32,305,902.36
Utah/NRC Moab Escrow	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$9,694,190.01
Cotter Corporation	127,811.48	0.00	240,516.57	127,811.48	0.00	240,516.57	127,811.48	112,705.09	\$3,170,029.38
Dawn Mining Company	1,557,010.47	3,548,582.17	4,960,291.14	1,557,010.47	0.00	4,960,291.14	1,557,010.47	3,403,280.67	\$10,702,582.07
Homestake Mining Company	63,734,841.02	3,606,612.92	10,112,937.93	10,112,937.93	0.00	10,112,937.93	63,734,841.02	0.00	\$55,730,752.90
Pathfinder Mines Corporation	18,969,352.90	0.00	5,248.74	5,248.74	0.00	5,248.74	18,969,352.90	0.00	\$10,784,500.22
Petrotomics Company	4,739,840.44	0.00	0.00	0.00	0.00	0.00	4,739,840.44	0.00	\$2,850,428.21
Rio Algom Mining LLC ¹	62,928,793.67	3,165,542.31	3,582,183.92	3,582,183.92	0.00	3,582,183.92	62,928,793.67	0.00	\$41,942,545.77
Tennessee Valley Authority	659,344.96	0.00	8,776,687.56	659,344.96	0.00	8,776,687.56	659,344.96	8,117,342.60	\$16,353,326.16
Umetco Minerals Corp.-CO	2,313,184.99	0.00	18,094,386.69	2,313,184.99	0.00	18,094,386.69	2,313,184.99	15,781,201.70	\$57,372,499.96
Umetco Minerals Corp.-WY	853,293.82	0.00	3,895,037.15	853,293.82	0.00	3,895,037.15	853,293.82	3,041,743.33	\$21,163,719.94
Western Nuclear, Inc.	5,816,698.38	278,378.03	585,674.02	585,674.02	0.00	585,674.02	5,816,698.38	0.00	\$32,145,114.22
Total Uranium	\$182,653,431.34	\$10,599,115.43	\$50,253,831.76	\$19,797,558.37	\$0.00	\$50,253,831.76	\$182,653,431.34	\$30,456,273.39	\$296,315,810.02
Thorium:									
West Chicago Env. Resp Trust ²	41,968,231.39	5,483,930.15	27,908,373.28	27,908,373.28	0.00	27,908,373.28	41,968,231.39	0.00	\$356,980,088.19
Total Thorium	\$41,968,231.39	\$5,483,930.15	\$27,908,373.28	\$27,908,373.28	\$0.00	\$27,908,373.28	\$41,968,231.39	\$0.00	\$356,980,088.19
Total Uranium and Thorium		\$16,083,045.58	\$78,162,205.04	\$47,705,931.65	\$0.00	\$78,162,205.04	\$224,621,662.73	\$30,456,273.39	\$653,295,898.21

Notes:

- Formerly Quivira Mining Company.
- Former licensees: Kerr-McGee Chemical LLC, and Tronox LLC. The West Chicago Environmental Response Trust was appointed as the new licensee and trustee for the West Chicago Site in February of 2011.
- FY 2015 appropriations provided reimbursements that were applied to Exhibit E-22.

Exhibit E-24. FY 2016 Individual Approved Claim Amounts and Payments

Licensee	FY 2016 Individual Reimbursement Limits	Approved Claim Amounts After FRR	Final Approved Claims Plus Unpaid Claim Balances	Total Unpaid Claims Within Limits	FY 2016 Payments	Unpaid Claim Balances After Payments	Individual Reimbursement Limits After Payments	Unpaid Claim Balances in Excess of Limits After Payments	Total Payments Through FY 2016
Uranium:									
American Nuclear Corp. Site	20,976,312.69						20,966,282.29	0.00	
<i>American Nuclear Corporation</i>		0.00	0.00	0.00	0.00	0.00		0.00	\$820,406.91
<i>State of Wyoming</i>		18,563.73	19,431.77	19,431.77	10,030.40	9,401.37		0.00	\$1,289,842.31
Atlantic Richfield Company	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$32,305,902.36
Utah/NRC Moab Escrow	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$9,694,190.01
Cotter Corporation	131,109.32	0.00	240,516.57	131,109.32	67,676.78	172,839.79	63,432.54	109,407.25	\$3,237,706.16
Dawn Mining Company	1,569,270.06	3,487,709.98	8,448,001.12	1,569,270.06	810,035.04	7,637,966.08	759,235.02	6,878,731.06	\$11,512,617.11
Homestake Mining Company	63,854,306.61	7,235,108.43	17,348,046.36	17,348,046.36	8,954,816.52	8,393,229.84	54,899,490.09	0.00	\$64,685,569.42
Pathfinder Mines Corporation	18,999,106.75	0.00	5,248.74	5,248.74	2,709.33	2,539.41	18,996,397.42	0.00	\$10,787,209.55
Petrotomics Company	4,747,430.71	0.00	0.00	0.00	0.00	0.00	4,747,430.71	0.00	\$2,850,428.21
Rio Algom Mining LLC ¹	63,033,665.01	2,385,899.36	5,968,083.28	5,968,083.28	3,080,640.30	2,887,442.98	59,953,024.71	0.00	\$45,023,186.07
Tennessee Valley Authority	676,357.63	0.00	8,776,687.56	676,357.63	349,126.26	8,427,561.30	327,231.37	8,100,329.93	\$16,702,452.42
Umetco Minerals Corp.-CO	2,372,870.67	1,738,828.81	19,833,215.50	2,372,870.67	1,224,842.33	18,608,373.17	1,148,028.34	17,460,344.83	\$58,597,342.29
Umetco Minerals Corp.-WY	875,310.83	148,666.80	4,043,703.95	875,310.83	451,823.09	3,591,880.86	423,487.74	3,168,393.12	\$21,615,543.03
Western Nuclear, Inc.	5,854,660.19	199,981.54	785,655.56	785,655.56	405,544.30	380,111.26	5,449,115.89	0.00	\$32,550,658.52
Total Uranium	\$183,090,400.47	\$15,214,758.65	\$65,468,590.41	\$29,751,384.22	\$15,357,244.35	\$50,111,346.06	\$167,733,156.12	\$35,717,206.19	\$311,673,054.37
Thorium:									
West Chicago Env. Resp. Trust ²	42,010,199.62	6,191,272.68	34,099,645.96	34,099,645.96	17,601,755.65	16,497,890.31	24,408,443.97	0.00	\$374,581,843.84
Total Thorium	\$42,010,199.62	\$6,191,272.68	\$34,099,645.96	\$34,099,645.96	\$17,601,755.65	\$16,497,890.31	\$24,408,443.97	\$0.00	\$374,581,843.84
Total Uranium and Thorium		\$21,406,031.33	\$99,568,236.37	\$63,851,030.18	\$32,959,000.00	\$66,609,236.37	\$192,141,600.09	\$35,717,206.19	\$686,254,898.21

Notes:

- Formerly Quivira Mining Company.
- Former licensees: Kerr-McGee Chemical LLC, and Tronox LLC. The West Chicago Environmental Response Trust was appointed as the new licensee and trustee for the West Chicago Site in February of 2011.

Exhibit E-25. FY 2017 Individual Approved Claim Amounts and Payments

Licensee	FY 2017 Individual Reimbursement Limits	Approved Claim Amounts After FRR	Final Approved Claims Plus Unpaid Claim Balances	Total Unpaid Claims Within Limits	FY 2017 Payments	Unpaid Claim Balances After Payments	Individual Reimbursement Limits After Payments	Unpaid Claim Balances in Excess of Limits After Payments	Total Payments Through FY 2017
Uranium:									
American Nuclear Corp. Site	21,266,277.20						21,191,525.70		
<i>American Nuclear Corporation</i>		0.00	0.00	0.00	0.00	0.00		0.00	\$820,406.91
<i>State of Wyoming</i>		110,076.11	119,477.48	119,477.48	74,751.50	44,725.98		0.00	\$1,364,593.81
Atlantic Richfield Company	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$32,305,902.36
Utah/NRC Moab Escrow	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$9,694,190.01
Cotter Corporation	106,347.35	0.00	172,839.79	106,347.35	66,536.59	106,303.20	39,810.76	66,492.44	\$3,304,242.75
Dawn Mining Company	918,769.10	0.00	7,637,966.08	918,769.10	574,831.05	7,063,135.03	343,938.05	6,719,196.98	\$12,087,448.16
Homestake Mining Company	56,454,095.87	10,782,797.95	19,176,027.79	19,176,027.79	11,997,547.78	7,178,480.01	44,456,548.09	0.00	\$76,683,117.20
Pathfinder Mines Corporation	19,383,584.31	0.00	2,539.41	2,539.41	1,588.79	950.62	19,381,995.52	0.00	\$10,788,798.34
Petrotomics Company	4,846,202.88	0.00	0.00	0.00	0.00	0.00	4,846,202.88	0.00	\$2,850,428.21
Rio Algom Mining LLC	61,317,715.45	170,456.81	3,057,899.79	3,057,899.79	1,913,185.53	1,144,714.26	59,404,529.92	0.00	\$46,936,371.60
Tennessee Valley Authority	548,617.26	0.00	8,427,561.30	548,617.26	343,244.28	8,084,317.02	205,372.98	7,878,944.04	\$17,045,696.70
Umetco Minerals Corp.-CO	1,924,718.16	448,703.71	19,057,076.88	1,924,718.16	1,204,206.54	17,852,870.34	720,511.62	17,132,358.72	\$59,801,548.83
Umetco Minerals Corp.-WY	709,995.14	234,142.33	3,826,023.19	709,995.14	444,210.90	3,381,812.29	265,784.24	3,116,028.05	\$22,059,753.93
Western Nuclear, Inc.	5,943,112.96	302,768.21	682,879.47	682,879.47	427,245.88	255,633.59	5,515,867.08	0.00	\$32,977,904.40
Total Uranium	\$173,419,435.68	\$12,048,945.12	\$62,160,291.18	\$27,247,270.95	\$17,047,348.84	\$45,112,942.34	\$156,372,086.84	\$34,913,020.23	\$328,720,403.21
Thorium:									
West Chicago Env. Response Trust	24,725,753.74	4,204,706.85	20,702,597.16	20,702,597.16	12,952,651.16	7,749,946.00	11,773,102.58	0.00	\$387,534,495.00
Total Thorium	\$24,725,753.74	\$4,204,706.85	\$20,702,597.16	\$20,702,597.16	\$12,952,651.16	\$7,749,946.00	\$11,773,102.58	\$0.00	\$387,534,495.00
Total Uranium and Thorium		\$16,253,651.97	\$82,862,888.34	\$47,949,868.11	\$30,000,000.00	\$52,862,888.34	\$168,145,189.42	\$34,913,020.23	\$716,254,898.21

Exhibit E-26. FY 2018 Individual Approved Claim Amounts and Payments

Licensee	FY 2018 Individual Reimbursement Limits	Approved Claim Amounts After FRR	Final Approved Claims Plus Unpaid Claim Balances	Total Unpaid Claims Within Limits	FY 2018 Payments	Unpaid Claim Balances After Payments	Individual Reimbursement Limits After Payments	Unpaid Claim Balances in Excess of Limits After Payments	Total Payments Through FY 2018
Uranium:									
American Nuclear Corp. Site	21,682,432.75						21,561,541.20	0.00	
<i>American Nuclear Corporation</i>		0.00	0.00	0.00	0.00	0.00		0.00	\$820,406.91
<i>State of Wyoming</i>		76,165.57	120,891.55	120,891.55	120,891.55	0.00		0.00	\$1,485,485.36
Atlantic Richfield Company	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$32,305,902.36
Utah/NRC Moab Escrow	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$9,694,190.01
Cotter Corporation	110,035.88	0.00	106,303.20	106,303.20	106,303.20	0.00	3,732.68	0.00	\$3,410,545.95
Dawn Mining Company	604,997.16	0.00	7,063,135.03	604,997.16	2,343,009.55	4,720,125.48	0.00	4,720,125.48	\$14,430,457.71
Homestake Mining Company	47,000,481.06	6,200,297.58	13,378,777.59	13,378,777.59	13,378,777.59	0.00	33,621,703.47	0.00	\$90,061,894.79
Pathfinder Mines Corporation	20,015,582.19	0.00	950.62	950.62	950.62	0.00	20,014,631.57	0.00	\$10,789,748.96
Petrotomics Company	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$2,850,428.21
Rio Algom Mining LLC	61,637,688.85	0.00	1,144,714.26	1,144,714.26	1,144,714.26	0.00	60,492,974.59	0.00	\$48,081,085.86
Tennessee Valley Authority	567,645.44	0.00	8,084,317.02	567,645.44	2,305,657.83	5,778,659.19	0.00	5,778,659.19	\$19,351,354.53
Umetco Minerals Corp.-CO	1,991,474.89	521,361.45	18,374,231.79	1,991,474.89	3,729,487.28	14,644,744.51	0.00	14,644,744.51	\$63,531,036.11
Umetco Minerals Corp.-WY	734,620.55	68,541.48	3,450,353.77	734,620.55	2,472,632.94	977,720.83	0.00	977,720.83	\$24,532,386.87
Western Nuclear, Inc.	6,324,236.28	325,383.14	581,016.73	581,016.73	581,016.73	0.00	5,743,219.55	0.00	\$33,558,921.13
Total Uranium	\$160,669,195.05	\$7,191,749.22	\$52,304,691.56	\$19,231,391.99	\$26,183,441.55	\$26,121,250.01	\$141,537,803.06	\$26,121,250.01	\$354,903,844.76
Thorium:									
West Chicago Env. Response Trust	12,020,337.73	1,798,612.45	9,548,558.45	9,548,558.45	9,548,558.45	0.00	2,471,779.28	0.00	\$397,083,053.45
Total Thorium	\$12,020,337.73	\$1,798,612.45	\$9,548,558.45	\$9,548,558.45	\$12,952,651.16	\$0.00	\$2,471,779.28	\$0.00	\$397,083,053.45
Total Uranium and Thorium		\$8,990,361.67	\$61,853,250.01	\$28,779,950.44	\$35,732,000.00	\$26,121,250.01	\$143,909,582.34	\$26,121,250.01	\$751,986,898.21

Exhibit E-27. FY 2019 Individual Approved Claim Amounts and Payments

Licensee	FY 2019 Individual Reimbursement Limits	Approved Claim Amounts After FRR	Final Approved Claims Plus Unpaid Claim Balances	Total Unpaid Claims Within Limits	FY 2019 Payments	Unpaid Claim Balances After Payments	Individual Reimbursement Limits After Payments	Unpaid Claim Balances in Excess of Limits After Payments	Total Payments Through FY 2019
Uranium:									
American Nuclear Corp. Site	22,134,359.61						22,134,359.61	0.00	
<i>American Nuclear Corporation</i>		0.00	0.00	0.00	0.00	0.00		0.00	\$820,406.91
<i>State of Wyoming</i>		0.00	0.00	0.00	0.00	0.00		0.00	\$1,485,485.36
Atlantic Richfield Company	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$32,305,902.36
Utah/NRC Moab Escrow	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$9,694,190.01
Cotter Corporation	85,675.37	0.00	0.00	0.00	0.00	0.00	85,675.37	0.00	\$3,410,545.95
Dawn Mining Company	0.00	0.00	4,720,125.48	0.00	1,410,863.39	3,309,262.09	0.00	3,309,262.09	\$15,841,321.10
Homestake Mining Company	36,590,109.83	4,487,179.14	4,487,179.14	4,487,179.14	4,487,179.14	0.00	32,102,930.69	0.00	\$94,549,073.93
Orano (Pathfinder)	20,753,936.70	0.00	0.00	0.00	0.00	0.00	20,753,936.70	0.00	\$10,789,748.96
Petrotomics Company	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$2,850,428.21
Rio Algom Mining LLC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$48,081,085.86
Tennessee Valley Authority	0.00	0.00	5,778,659.19	0.00	1,410,863.39	4,367,795.80	0.00	4,367,795.80	\$20,762,217.92
Umetco Minerals Corp.-CO	0.00	73,581.93	14,718,326.44	0.00	1,410,863.38	13,307,463.06	0.00	13,307,463.06	\$64,941,899.49
Umetco Minerals Corp.-WY	0.00	3,976.82	981,697.65	0.00	981,697.65	0.00	0.00	0.00	\$25,514,084.52
Western Nuclear, Inc.	6,686,470.93	77,184.91	77,184.91	77,184.91	77,184.91	0.00	6,609,286.02	0.00	\$33,636,106.04
Total Uranium	\$86,250,552.44	\$4,641,922.80	\$30,763,172.81	\$4,564,364.05	\$9,778,651.86	\$20,984,520.95	\$81,686,188.39	\$20,984,520.95	\$364,682,496.62
Thorium:									
West Chicago Env. Response Trust	2,531,101.98	1,221,348.14	1,221,348.14	1,221,348.14	1,221,348.14	0.00	1,309,753.84	0.00	\$398,304,401.59
Total Thorium	\$2,531,101.98	\$1,221,348.14	\$1,221,348.14	\$1,221,348.14	\$1,221,348.14	\$0.00	\$1,309,753.84	\$0.00	\$398,304,401.59
Total Uranium and Thorium	\$88,781,654.42	\$5,863,270.94	\$31,984,520.95	\$5,785,712.19	\$11,000,000.00	\$20,984,520.95	\$79,192,517.81	\$20,984,520.95	\$762,986,898.21

Exhibit E-28. FY 2020 Individual Approved Claim Amounts and Payments

Licensee	FY 2020 Individual Reimbursement Limits	Approved Claim Amounts After FRR	Final Approved Claims Plus Unpaid Claim Balances	Total Unpaid Claims Within Limits	FY 2020 Payments	Unpaid Claim Balances After Payments	Individual Reimbursement Limits After Payments	Unpaid Claim Balances in Excess of Limits After Payments	Total Payments Through FY 2020
Uranium:									
American Nuclear Corp. Site	22,574,284.14						22,574,284.14		
<i>American Nuclear Corporation</i>								0.00	\$820,406.91
<i>State of Wyoming</i>		0.00	0.00	0.00	0.00	0.00		0.00	\$1,485,485.36
Atlantic Richfield Company	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$32,305,902.36
Utah/NRC Moab Escrow	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$9,694,190.01
Cotter Site/Canon City, CO	148,607.35						52,152.82		
<i>Cotter Corporation</i>								0.00	\$3,410,545.95
<i>Colorado Legacy Land</i>		342,377.61	342,377.61	148,607.35	96,454.53	245,923.08		193,770.26	\$96,454.53
Dawn Mining Company	0.00	0.00	3,309,262.09	0.00	0.00	3,309,262.09	0.00	3,309,262.09	\$15,841,321.10
Homestake Mining Company	34,382,666.77	6,606,730.65	6,606,730.65	6,606,730.65	4,288,139.71	2,318,590.94	30,094,527.06	0.00	\$98,837,213.64
Orano (Pathfinder)	21,321,723.05	0.00	0.00	0.00	0.00	0.00	21,321,723.05	0.00	\$10,789,748.96
Petrotomics Company	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$2,850,428.21
Rio Algom Mining LLC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$48,081,085.86
Tennessee Valley Authority	0.00	0.00	4,367,795.80	0.00	0.00	4,367,795.80	0.00	4,367,795.80	\$20,762,217.92
Umetco Minerals Corp.-CO	0.00	0.00	13,307,463.06	0.00	0.00	13,307,463.06	0.00	13,307,463.06	\$64,941,899.49
Umetco Minerals Corp.-WY	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$25,514,084.52
Western Nuclear, Inc.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$33,636,106.04
Total Uranium	\$78,427,281.31	\$6,949,108.26	\$27,933,629.21	\$6,755,338.00	\$4,384,594.24	\$23,549,034.97	\$74,042,687.07	\$21,178,291.21	\$369,067,090.86
Thorium:									
West Chicago Env. Response Trust	1,333,329.41	1,607,052.49	1,607,052.49	1,333,329.41	865,405.76	741,646.73	467,923.65	273,723.08	\$399,169,807.35
Total Thorium	\$1,333,329.41	\$1,607,052.49	\$1,607,052.49	\$1,333,329.41	\$865,405.76	\$741,646.73	\$467,923.65	\$273,723.08	\$399,169,807.35
Total Uranium and Thorium	\$79,760,610.72	\$8,556,160.75	\$29,540,681.70	\$8,088,667.41	\$5,250,000.00	\$24,290,681.70	\$74,510,610.72	\$21,452,014.29	\$768,236,898.21

Exhibit E-29. FY 2021 Individual Approved Claim Amounts and Payments

Licensee	FY 2021 Individual Reimbursement Limits	Approved Claim Amounts After FRR	Final Approved Claims Plus Unpaid Claim Balances	Total Unpaid Claims Within Limits	FY 2021 Payments	Unpaid Claim Balances After Payments	Individual Reimbursement Limits After Payments	Unpaid Claim Balances in Excess of Limits After Payments	Total Payments Through FY 2021
Uranium:									
American Nuclear Corp. Site <i>American Nuclear Corporation</i> <i>State of Wyoming</i>	22,872,846.26						22,872,846.26	0.00	\$820,406.91
Atlantic Richfield Company	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$1,485,485.36
Utah/NRC Moab Escrow	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$32,305,902.36
Cotter Site/Canon City, CO <i>Cotter Corporation</i> <i>Colorado Legacy Land</i>	94,862.66						35,894.53	0.00	\$9,694,190.01
Dawn Mining Company	0.00	680,996.46	926,919.54	94,862.66	58,968.13	867,951.41	0.00	832,056.88	\$3,410,545.95
Homestake Mining Company	31,641,707.95	4,910,455.37	7,229,046.31	7,229,046.31	4,493,689.28	2,735,357.03	27,148,018.67	3,309,262.09	\$155,422.66
Orano (Pathfinder)	21,707,060.71	0.00	0.00	0.00	0.00	0.00	21,707,060.71	0.00	\$15,841,321.10
Petrotomics Company	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$103,330,902.92
Rio Algom Mining LLC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$10,789,748.96
Tennessee Valley Authority	0.00	0.00	4,367,795.80	0.00	0.00	4,367,795.80	0.00	4,367,795.80	\$2,850,428.21
Umetco Minerals Corp.-CO	246,106.11	1,170,285.00	14,477,748.05	246,106.11	152,983.44	14,324,764.61	93,122.67	14,231,641.94	\$48,081,085.86
Umetco Minerals Corp.-WY	0.00	320,489.17	320,489.17	0.00	0.00	320,489.17	0.00	320,489.17	\$20,762,217.92
Western Nuclear, Inc.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$65,094,882.94
Total Uranium	\$76,562,583.69	\$7,082,226.00	\$30,631,260.97	\$7,570,015.08	\$4,705,640.85	\$25,925,620.12	\$71,856,942.84	\$23,061,245.89	\$373,772,731.71
Thorium:									
West Chicago Env. Response Trust	473,538.73	0.00	741,646.73	473,538.73	294,359.15	447,287.58	179,179.58	268,108.00	\$399,464,166.50
Total Thorium	\$473,538.73	\$0.00	\$741,646.73	\$473,538.73	\$294,359.15	\$447,287.58	\$179,179.58	\$268,108.00	\$399,464,166.50
Total Uranium and Thorium	77,036,122.42	\$7,082,226.00	\$31,372,907.70	\$8,043,553.81	\$5,000,000.00	\$26,372,907.70	\$72,036,122.42	\$23,329,353.89	\$773,236,898.21

Exhibit E-30. FY 2022 Individual Approved Claim Amounts and Payments

Licensee	FY 2022 Individual Reimbursement Limits	Approved Claim Amounts After FRR	Final Approved Claims Plus Unpaid Claim Balances	Total Unpaid Claims Within Limits	FY 2022 Payments	Unpaid Claim Balances After Payments	Individual Reimbursement Limits After Payments	Unpaid Claim Balances in Excess of Limits After Payments	Total Payments Through FY 2022
Uranium:									
American Nuclear Corp. Site <i>American Nuclear Corporation</i> <i>State of Wyoming</i>	24,056,246.97						24,056,246.97		\$820,406.91
Atlantic Richfield Company	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$1,485,485.36
Utah/NRC Moab Escrow	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$32,305,902.36
Cotter Site/Canon City, CO <i>Cotter Corporation</i> <i>Colorado Legacy Land</i>	205,182.10						0.00		\$9,694,190.01
Dawn Mining Company	0.00	449,224.06	1,317,175.47	205,182.10	1,317,175.47	0.00	0.00	0.00	\$3,410,545.95
Homestake Mining Company	33,280,527.98	4,063,568.13	6,798,925.16	6,798,925.16	6,798,925.16	1,851,312.01	0.00	1,851,312.01	\$1,472,598.13
Orano (Pathfinder)	23,234,410.77	0.00	0.00	0.00	0.00	0.00	26,481,602.82	0.00	\$17,299,271.18
Petrotomics Company	0.00	0.00	0.00	0.00	0.00	0.00	23,234,410.77	0.00	\$110,129,828.08
Rio Algom Mining LLC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$10,789,748.96
Tennessee Valley Authority	0.00	0.00	4,367,795.80	0.00	1,457,950.08	2,909,845.72	0.00	2,909,845.72	\$2,850,428.21
Umetco Minerals Corp.-CO	3,156,958.93	0.00	14,324,764.61	3,156,958.93	4,614,909.02	9,709,855.59	0.00	9,709,855.59	\$48,081,085.86
Umetco Minerals Corp.-WY	0.00	0.00	320,489.17	0.00	320,489.17	0.00	0.00	0.00	\$22,220,168.00
Western Nuclear, Inc.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$69,709,791.96
Total Uranium	\$83,933,326.75	\$4,512,792.19	\$30,438,412.30	\$10,161,066.19	\$15,967,398.98	414,471,013.32	\$73,772,260.56	\$14,471,013.32	\$389,740,130.70
Thorium:									
West Chicago Env. Resp. Trust ¹	187,601.02	0.00	447,287.58	187,601.02	187,601.02	0.00	0.00	0.00	\$399,651,767.52
Total Thorium	\$187,601.02	\$0.00	\$447,287.58	\$187,601.02	\$187,601.02	\$0.00	\$0.00	\$0.00	\$399,651,767.52
Total Uranium and Thorium	\$84,120,927.77	\$4,512,792.19	\$30,885,699.88	\$10,348,667.21	\$16,155,000.00	\$14,471,013.32	\$73,772,260.56	\$14,471,013.32	\$789,391,898.22

*West Chicago Environmental Response Trust claims have exceeded the Thorium statutory ceiling (as adjusted) – claims in excess of the ceiling cannot be paid.

Exhibit E-31. FY 2023 Individual Approved Claim Amounts and Payments

Licensee	FY 2023 Individual Reimbursement Limits	Approved Claim Amounts After FRR	Final Approved Claims Plus Unpaid Claim Balances	Total Unpaid Claims Within Limits	FY 2023 Payments	Unpaid Claim Balances After Payments	Individual Reimbursement Limits After Payments	Unpaid Claim Balances in Excess of Limits After Payments	Total Payments Through FY 2023
Uranium:									
American Nuclear Corp. Site <i>American Nuclear Corporation</i> <i>State of Wyoming</i>	26,165,218.11						26,165,218.11	0.00	\$820,406.91
Atlantic Richfield Company	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$1,485,485.36
Utah/NRC Moab Escrow	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$32,305,902.36
Cotter Site/Canon City, CO <i>Cotter Corporation</i> <i>Colorado Legacy Land</i>	0.00						0.00		\$9,694,190.01
Dawn Mining Company	0.00	423,342.49	423,342.49	0.00	423,342.49	0.00		0.00	\$3,410,545.95
Homestake Mining Company	37,410,517.30	3,531,667.94	3,531,667.94	3,531,667.94	3,531,667.94	0.00	33,878,849.36	0.00	\$1,895,940.62
Orano (Pathfinder)	25,956,343.54	0.00	0.00	0.00	0.00	0.00	25,956,343.54	0.00	\$19,150,583.19
Petrotomics Company	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$113,661,496.02
Rio Algom Mining LLC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$10,789,748.96
Tennessee Valley Authority	0.00	0.00	2,909,845.72	0.00	2,909,845.72	0.00	0.00	0.00	\$2,850,428.21
Umetco Minerals Corp.-CO	4,002,197.26	920,153.14	10,630,008.73	4,002,197.26	5,812,182.56	4,817,826.17	0.00	4,817,826.17	\$48,081,085.86
Umetco Minerals Corp.-WY	1,356,500.39	271,649.28	271,649.28	271,649.28	271,649.28	0.00	1,084,851.11	0.00	\$25,130,013.72
Western Nuclear, Inc.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$75,521,974.52
Total Uranium	\$94,890,776.60	\$5,146,812.85	\$19,617,826.17	\$7,805,514.48	\$14,800,000.00	\$4,817,826.17	\$87,085,262.11	\$4,817,826.17	\$404,540,130.70
Thorium:									
West Chicago Env. Response Trust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$399,651,767.52
Total Thorium	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$399,651,767.52
Total Uranium and Thorium	\$94,890,776.60	\$5,146,812.85	\$19,617,826.17	\$7,805,514.48	\$14,800,000.00	\$4,817,826.17	\$87,085,262.11	\$4,817,826.17	\$804,191,898.22

Exhibit E-32. FY 2024 Individual Approved Claim Amounts and Payments¹

Licensee	FY 2024 Individual Reimbursement Limits	Approved Claim Amounts After FRR	Final Approved Claims Plus Unpaid Claim Balances	Total Unpaid Claims Within Limits	FY 2024 Payments	Unpaid Claim Balances After Payments	Individual Reimbursement Limits After Payments	Unpaid Claim Balances in Excess of Limits After Payments	Total Payments Through FY 2024
Uranium:									
American Nuclear Corp. Site <i>American Nuclear Corporation</i> <i>State of Wyoming</i>	27,332,533.63						27,332,533.63		\$820,406.91
Atlantic Richfield Company	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$1,485,485.36
Utah/NRC Moab Escrow	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$32,305,902.36
Cotter Site/Canon City, CO <i>Cotter Corporation</i> <i>Colorado Legacy Land</i>	0.00						0.00		\$9,694,190.01
Dawn Mining Company	0.00	256,009.18	256,009.18	0.00	0.00	256,009.18		256,009.18	\$3,410,545.95
Homestake Mining Company	39,928,003.52	3,498,570.46	3,498,570.46	3,498,570.46	0.00	3,498,570.46	39,928,003.52	0.00	\$1,895,940.62
Orano (Pathfinder)	27,462,933.34	0.00	0.00	0.00	0.00	0.00	27,462,933.34	0.00	\$19,150,583.19
Petrotomics Company	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$113,661,496.02
Rio Algom Mining LLC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$10,789,748.96
Tennessee Valley Authority	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$2,850,428.21
Umetco Minerals Corp.-CO	1,212,206.26	269,512.62	5,087,338.79	1,212,206.26	0.00	5,087,338.79	1,212,206.26	3,875,132.53	\$48,081,085.86
Umetco Minerals Corp.-WY	2,199,685.15	130,636.83	130,636.83	130,636.83	0.00	130,636.83	2,199,685.15	0.00	\$25,130,013.72
Western Nuclear, Inc.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$75,521,974.52
Total Uranium	\$98,135,361.90	\$4,154,729.09	\$8,972,555.26	\$4,841,413.55	\$0.00	\$8,972,555.26	\$98,135,361.90	\$4,131,141.71	\$404,540,130.70
Thorium:									
West Chicago Env. Response Trust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	399,651,767.52
Total Thorium	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$399,651,767.52
Total Uranium and Thorium	\$98,135,361.90	\$4,154,729.09	\$8,972,555.26	\$4,841,413.55	\$0.00	\$8,972,555.26	\$98,135,361.90	\$4,131,141.71	\$804,191,898.22

*Due to DOE not receiving an appropriation in fiscal year (FY) 2024 for the Title X Uranium and Thorium Reimbursement Program, DOE was unable to provide reimbursements to the uranium licensees in FY 2024.

APPENDIX F. STATUS OF REMAINING COSTS ELIGIBLE FOR FUTURE CLAIMS

Licensee	Federal Share of Total Costs in Approved Plans for Subsequent Remedial Action¹	Maximum Federal Share of Potential Future Claims End of FY 2007²	Maximum Federal Share of Potential Future Claims End of FY 2008³	Maximum Federal Share of Potential Future Claims End of FY 2009⁴	Maximum Federal Share of Potential Future Claims End of FY 2010⁵	Maximum Federal Share of Potential Future Claims End of FY 2011⁶
Uranium						
State of Wyoming (ANC Site)	\$2,820,674.07	\$755,291.45	\$755,291.45	\$758,544.91	\$755,000.44	\$763,400.40
Cotter Corporation	\$6,220,297.23	\$2,894,387.00	\$2,809,751.28	\$2,916,521.83	\$2,916,521.83	\$2,963,186.18
Dawn Mining Company	\$18,056,205.96	\$11,140,288.98	\$10,581,498.37	\$10,545,114.63	\$9,882,490.06	\$9,081,699.65
Homestake Mining Company	\$132,143,076.35	\$88,216,625.81	\$86,421,370.63	\$88,029,166.00	\$86,070,464.48	\$85,458,390.61
Pathfinder Mines Corporation	\$11,037,356.70	\$344,885.44	\$315,052.68	\$327,024.68	\$327,024.68	\$288,439.77
Rio Algom Mining Company	\$47,107,063.51	\$20,795,449.15	\$16,348,237.62	\$12,313,165.85	\$8,614,706.54	\$6,418,236.40
Umetco Minerals Corporation-CO	\$87,924,859.06	\$21,828,606.00	\$17,954,538.29	\$15,274,952.06	\$14,370,252.70	\$14,600,176.74
Umetco Minerals Corporation-WY	\$26,518,489.35	\$3,932,679.19	\$2,990,708.13	\$2,947,478.49	\$2,640,430.46	\$2,682,677.34
Western Nuclear, Incorporated	\$33,430,218.28	\$2,760,584.28	\$2,453,036.30	\$1,926,044.90	\$1,831,147.49	\$1,624,912.27
Total Uranium	\$365,258,240.51	\$152,668,797.30	\$140,629,484.75	\$135,038,013.35	\$127,408,038.68	\$123,881,119.36
Thorium						
West Chicago	\$401,391,628.45	\$93,826,526.58	\$80,976,184.65	\$70,839,742.98	\$63,504,181.14	\$62,166,558.91
Total Thorium	\$401,391,628.45	\$93,826,526.58	\$80,976,184.65	\$70,839,742.98	\$63,504,181.14	\$62,166,558.91
Total Uranium and Thorium	\$766,649,868.96	\$246,495,323.88	\$221,605,669.40	\$205,877,756.33	\$190,912,219.82	\$186,047,678.27

Notes:

1. Federal share of total costs in Plans for Subsequent Remedial Action approved by DOE in 2007.
2. Total amount each licensee would be eligible to claim after FY 2007. It is the number in column to the left minus all amounts approved through FY 2007.
3. Total amount each licensee would be eligible to claim after FY 2008. It is the number in column to the left minus final amount approved in FY 2008.
4. Total amount each licensee would be eligible to claim after FY 2009. It is the number in column to the left minus final amount approved in FY 2009 multiplied by 1.038 (CPI-U increase for 2008).
5. Total amount each licensee would be eligible to claim after FY 2010. It is the number in column to the left minus final amount approved in FY 2010 multiplied by 1.000 (CPI-U increase for 2009).
6. Total amount each licensee would be eligible to claim after FY 2011. It is the number in column to the left minus final amount approved in FY 2011 multiplied by 1.016 (CPI-U increase for 2010).

Licensee	Maximum Federal Share of Potential Future Claims End of FY 2012 ⁷	Maximum Federal Share of Potential Future Claims End of FY 2013 ⁸	Maximum Federal Share of Potential Future Claims End of FY 2014 ⁹	Maximum Federal Share of Potential Future Claims End of FY 2015 ¹⁰	Maximum Federal Share of Potential Future Claims End of FY 2016 ¹¹	Maximum Federal Share of Potential Future Claims End of FY 2017 ¹²
Uranium						
State of Wyoming (ANC Site)	\$783,678.85	\$800,136.11	\$812,138.15	\$825,132.36	\$807,375.20	\$706,363.97
Cotter Corporation	\$3,058,008.14	\$3,122,226.31	\$3,169,059.70	\$3,219,764.66	\$3,222,984.42	\$3,264,883.22
Dawn Mining Company	\$8,056,000.10	\$7,653,500.63	\$7,468,941.69	\$3,487,709.98	\$0.00	\$0.00
Homestake Mining Company	\$83,924,433.54	\$82,138,282.70	\$79,933,027.11	\$77,562,518.35	\$70,397,737.33	\$60,389,933.59
Pathfinder Mines Corporation	\$272,574.01	\$278,298.06	\$282,472.53	\$286,992.09	\$287,279.08	\$291,013.71
Rio Algom Mining Company	\$5,890,750.17	\$5,597,510.63	\$5,681,473.29	\$2,556,185.88	\$170,456.81	\$0.00
Umetco Minerals Corporation-CO	\$15,067,382.40	\$14,518,004.56	\$14,208,891.03	\$14,450,671.33	\$12,724,554.36	\$12,435,436.71
Umetco Minerals Corporation-WY	\$2,768,523.01	\$1,857,306.32	\$1,759,938.81	\$1,788,097.83	\$1,641,070.46	\$1,425,218.20
Western Nuclear, Incorporated	\$1,428,479.30	\$1,300,503.53	\$1,162,124.59	\$897,886.50	\$698,602.86	\$400,980.51
Total Uranium	\$121,249,829.52	\$117,265,768.85	\$114,478,066.90	\$105,074,958.98	\$89,950,060.53	\$78,913,829.91
Thorium						
West Chicago	\$50,580,508.84	\$40,522,289.61	\$28,375,567.63	\$23,263,152.11	\$17,088,951.31	\$4,023,156.58
Total Thorium	\$50,580,508.84	\$40,522,289.61	\$28,375,567.63	\$23,263,152.11	\$17,088,951.31	\$4,023,156.58
Total Uranium and Thorium	\$171,830,338.36	\$157,788,058.46	\$142,853,634.53	\$128,338,111.09	\$107,039,011.84	\$82,936,986.49

Notes Cont.:

7. Total amount each licensee would be eligible to claim after FY 2012. It is the number in column to the left (previous page) minus final amount approved in FY 2012 multiplied by 1.032 (CPI-U increase for 2011).
8. Total amount each licensee would be eligible to claim after FY 2013. It is the number in column to the left minus final amount approved in FY 2013 multiplied by 1.021 (CPI-U increase for 2012).
9. Total amount each licensee would be eligible to claim after FY 2014. It is the number in column to the left minus final amount approved in FY 2014 multiplied by 1.015 (CPI-U increase for 2013).
10. Total amount each licensee would be eligible to claim after FY 2015. It is the number in column to the left minus final amount approved in FY 2015 multiplied by 1.016 (CPI-U increase for 2014).
11. Total amount each licensee would be eligible to claim after FY 2016. It is the number in column to the left minus final amount approved in FY 2016 multiplied by 1.001 (CPI-U increase for 2015).
12. Total amount each licensee would be eligible to claim after FY 2017. It is the number in column to the left minus final amount approved in FY 2017 multiplied by 1.013 (CPI-U increase for 2016).

Licensee	Maximum Federal Share of Potential Future Claims End of FY 2018 ¹³	Maximum Federal Share of Potential Future Claims End of FY 2019 ¹⁴	Maximum Federal Share of Potential Future Claims End of FY 2020 ¹⁵	Maximum Federal Share of Potential Future Claims End of FY 2021 ¹⁶	Maximum Federal Share of Potential Future Claims End of FY 2022 ¹⁷	Maximum Federal Share of Potential Future Claims End of FY 2023 ¹⁸
Uranium						
State of Wyoming (ANC Site)	\$643,432.57	\$658,874.95	\$670,734.70	\$678,783.52	\$710,686.34	\$767,541.25
Cotter Corporation	\$3,333,445.77	\$3,413,448.47				
Colorado Legacy Land			\$3,126,350.13	\$2,474,697.92	\$2,120,671.13	\$1,833,114.93
Dawn Mining Company	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Homestake Mining Company	\$55,327,618.37	\$52,060,609.77	\$46,272,048.95	\$41,857,932.70	\$39,570,699.70	\$38,922,154.31
Pathfinder Mines Corporation	\$297,125.00	\$304,256.00	\$309,732.61	\$313,449.40	\$328,181.52	\$354,436.04
Rio Algom Mining Company	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Umetco Minerals Corporation-CO	\$12,164,270.84	\$12,380,865.44	\$12,603,721.02	\$11,570,637.25	\$12,114,457.20	\$12,089,848.39
Umetco Minerals Corporation-WY	\$1,385,166.93	\$1,414,338.67	\$1,439,796.77	\$1,132,739.29	\$1,185,978.04	\$987,475.06
Western Nuclear, Incorporated	\$77,184.91	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total Uranium	\$73,228,244.39	\$70,232,393.30	\$64,422,384.18	\$58,028,240.08	\$56,030,673.93	\$54,954,569.98
Thorium						
West Chicago	\$2,471,779.28	\$1,309,753.84	\$0.00	\$0.00	\$0.00	\$0.00
Total Thorium	\$2,471,779.28	\$1,309,753.84	\$0.00	\$0.00	\$0.00	\$0.00
Total Uranium and Thorium	\$75,700,023.67	\$71,542,147.14	\$64,422,384.18	\$58,028,240.08	\$56,030,673.93	\$54,954,569.98

Notes Cont.:

13. Total amount each licensee would be eligible to claim after FY 2018. It is the number in the far-right column of the previous page minus final amount approved in FY 2018 multiplied by 1.021 (CPI-U increase for 2017).
14. Total amount each licensee would be eligible to claim after FY 2019. It is the number in column to the left minus final amount approved in FY 2019 multiplied by 1.024 (CPI-U increase for 2018).
15. Total amount each licensee would be eligible to claim after FY 2020. It is the number in column to the left minus final amount approved in FY 2020 multiplied by 1.018 (CPI-U increase for 2019).
16. Total amount each licensee would be eligible to claim after FY 2021. It is the number in column to the left minus final amount approved in FY 2021 multiplied by 1.012 (CPI-U increase for 2020).
17. Total amount each licensee would be eligible to claim after FY 2022. It is the number in column to the left minus final amount approved in FY 2022 multiplied by 1.047 (CPI-U increase for 2021).
18. Total amount each licensee would be eligible to claim after FY 2023. It is the number in column to the left minus final amount approved in FY 2023 multiplied by 1.080 (CPI-U increase for 2022).

Licensee	Maximum Federal Share of Potential Future Claims End of FY 2024¹⁹
Uranium	
State of Wyoming (ANC Site)	\$799,010.44
Cotter Corporation/Colorado Legacy Land	\$1,641,767.08
Dawn Mining Company	\$0.00
Homestake Mining Company	\$36,875,950.78
Pathfinder Mines Corporation	\$368,967.92
Rio Algom Mining Company	\$0.00
Umetco Minerals Corporation-CO	\$12,304,969.53
Umetco Minerals Corporation-WY	\$891,968.59
Western Nuclear, Incorporated	\$0.00
Total Uranium	\$52,882,634.36
Thorium	
West Chicago	\$0.00
Total Thorium	\$0.00
Total Uranium and Thorium	\$52,882,634.36

Notes Cont.:

19. Total amount each licensee would be eligible to claim after FY 2024. It is the number in the far-right column of the previous page minus final amount approved in FY 2024 multiplied by 1.041 (CPI-U increase for 2023).

APPENDIX G. TITLE X SITE REMEDIAL ACTION STATUS

FY 2024 Title X Site Remedial Action Status

SITE	LICENSE STATUS	ESTIMATED/ ACTUAL COMPLETION DATE	REFERENCE
<i>TITLE X LIABILITY COMPLETED</i>			
Atlantic Richfield Co. Bluewater Mill Site Grants, NM	Licensee completed reclamation of the site in 1995 and the disposal cells were transferred to DOE in 1997 for long-term stewardship	Completed 9/97	U.S. Nuclear Regulatory Commission, "2002 Annual Update - Status of Decommissioning Program," SECY-02-0169, September 18, 2002. http://www.doe.gpo.com/
Dawn Mining Co. Ford Mill Site Ford, WA	Evaluation and monitoring of contaminated groundwater beneath the unlined tailings facilities and the former ore stockpile area continue.	2028	Licensee
Petrotomics Co. Shirley Basin Mill Site Shirley Basin, WY	The license was terminated, and the disposal cell transferred to DOE in 2005 for long-term stewardship.	Completed 6/05	Licensee
Rio Algom Mining LLC Ambrosia Lake West Mill Site Grants, NM	Physical remediation of the site is complete. Groundwater monitoring continues.	2030	Licensee
Tennessee Valley Authority Edgemont Mill Site Edgemont, SD	Licensee completed remediation in 1989 and the disposal cell was transferred to DOE in 1996 for long-term stewardship.	Completed 6/96	Licensee
Western Nuclear, Inc. Split Rock Mill Site Jeffrey City, WY	Licensee completed reclamation of the site and the disposal cell was transferred to DOE in 2023 for long-term stewardship	Completed 12/23	Licensee
West Chicago Environmental Response Trust West Chicago Mill Site West Chicago, IL	All Rare Earth Facilities and Residential Sites D&D activities are complete. Groundwater cleanup and/or monitoring will continue until license termination.	2048	Licensee

SITE	LICENSE STATUS	ESTIMATED COMPLETION DATE	REFERENCE
<i>CLEANUP ONGOING/INCURRING COSTS ELIGIBLE FOR TITLE X REIMBURSEMENT</i>			
American Nuclear Corp. Gas Hills West Mill Site Gas Hills Uranium Mining District, WY	Licensee did not have assets to complete cleanup. State completing cleanup under NRC Confirmatory Order. The state conducted a groundwater plume study and NRC agreed to discontinue groundwater remediation. State is working with the NRC on how to prioritize remaining funds toward stabilizing tailings pond one.	2032	Licensee
Cotter Corp./Colorado Legacy Land Canon City Mill Site Canon City, CO	Cleanup and monitoring are continuing under the Radioactive Materials License with State and U.S. Environmental Protection Agency oversight. Cleanup planning to remove soils continues and a new Remedial Investigation Plan is being developed. Closure date is dependent upon the success of interim cleanup activities and achieving compliance with groundwater requirements.	2047	Licensee's Plan for Subsequent Remedial Action
Homestake Mining Co. Grants Mill Site Grants, NM	Continuing operations and maintenance of the extraction/injection well field, reverse osmosis treatment plant, and zeolite-based water treatment system in accordance with the site Groundwater Corrective Action Plan with the intent of pulling back the contaminated plume. A new groundwater model is being developed to support the Groundwater Corrective Action Plan. Initial results suggest groundwater standards may not be met and licensee is considering submitting Alternate Concentration Limits (ACLs).	2035	Licensee
Pathfinder Mines Corp. Gas Hills North Lucky Mc Mill Site, Riverton, WY	Remedial action construction is complete. Monitoring and surveillance activities are ongoing. Work continues toward site transfer to DOE.	2029	Licensee
Umetco Minerals Corp. Gas Hills East Mill Site Gas Hills Uranium Mining District, WY	Environmental monitoring of the disposal cell cover and rock quarry continue. The licensee is working with the State of Wyoming and NRC to resolve remaining items for transfer to DOE.	2029	Licensee
Umetco Minerals Corp. Uravan Mill Site Uravan, CO	Groundwater monitoring continues. Remaining compliance issues are being worked among the licensee, the State of Colorado, EPA, and DOE.	2030	Licensee

*Estimated/actual completion dates from DOE Office of Legacy Management Site Management Guide (Blue Book), Update #32, May 2024. Estimated completion dates are subject to change.