



BARRICK

BARRICK GOLD CORPORATION
Brookfield Place,
TD Canada Trust Tower
Suite 3700, 161 Bay Street
P.O. Box 212
Toronto, Canada M5J 2S1

Tel: (416) 861-9911
Fax: (416) 861-2492

March 20, 2018

U.S. Nuclear Regulatory Commission
Division of Waste Management
11555 Rockville Pike
Rockville, MD 20852-2738

ATTN: Mr. Jeffrey Whited
Project Manager
Materials Decommissioning Branch (Mail Stop: T-8F5)
Decommissioning, Uranium Recovery & Waste Programs
Office of Nuclear Materials Safety and Safeguards
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Re: Docket # 40-8903, License # SUA-1471
Financial Test to Demonstrate Financial Assurance

Dear Mr. Whited:

I am the Executive Vice President & Chief Financial Officer of Barrick Gold Corporation, an Ontario Corporation having a principal place of business at BCE Place, TD Canada Trust Tower, Suite 3700, 161 Bay Street, Toronto, ON, Canada M5J 2S1 ("Barrick" and "Guarantor"). This letter is in support of Barrick's use of the financial test set forth in 10 CFR Part 30, Appendix A to demonstrate financial assurance, as required by 10 CFR Part 40, Appendix A Criteria 9.

Homestake Mining Company of California ("Licensee") is a wholly owned subsidiary of Guarantor and holds the license SUA 1471 ("License") for the Grants Mill Uranium recovery facility ("Facility"). The Facility is a closed property at which the remaining activities are decommissioning, reclamation and long-term surveillance and control.

Homestake guarantees, through the parent company guarantee submitted for compliance under 10 CFR Part 40, Appendix A, the decommissioning reclamation and long-term surveillance and control of the Licensee's facilities. The cost estimate for reclamation, decommissioning and long-term surveillance and control so guaranteed for these facilities is \$83,455,824.

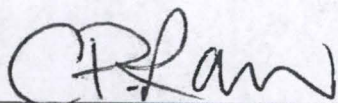
I further attest that the Licensee for which this parent company guarantee is being made has a positive tangible net worth.

Guarantor is required to file, and has filed, a Form 6-K with the Securities and Exchange Commission ("SEC") for the year 2017.

The fiscal year for Barrick ends December 31. The figures for the following items marked with an asterisk are contained in or derived from Barrick's independently audited, year-end financial statements and footnotes for the latest completed fiscal year ended in December 31, 2017. These financial statements can be found in our 2017 Year-end Report at:

<https://www.barrick.com/investors/quarterly-reports/default.aspx>

I hereby certify that the content of this letter is true and correct to the best of my knowledge.



Catherine Raw
Executive Vice President &
Chief Financial Officer

3/20/2018 .

Date

Copy To:

Document Control Desk, NRC, Washington, DC (w/encl.)
W. Pearson, NMED, Santa Fe, New Mexico (electronic copy)
S. Appaji, EPA, Region VI, Dallas, Texas (electronic copy)
M. McCarthy, Barrick, Salt Lake City, Utah (electronic copy)
C. Burton, Barrick, Henderson, Nevada (electronic copy)



BARRICK

HOMESTAKE MINING COMPANY OF CALIFORNIA
FINANCIAL TEST TO DEMONSTRATE FINANCIAL ASSURANCE
(In millions of US dollars)

1. Sum of decommissioning, reclamation and long-term Surveillance and control estimates for facilities SUA 1471.	\$ 83
2. Total liabilities (excluding Grants reclamation accrual).	\$ 14,158
3. Tangible Net Worth (excluding Grants reclamation accrual).	\$ 9,565
4. Total Net Worth (excluding Grants reclamation accrual).	\$ 11,150
5. Current Assets	\$ 4,684
6. Current Liabilities	\$ 1,747
7. Net Working Capital (line 5 minus 6)	\$ 2,937
8. The sum of net income (loss) plus depreciation ¹	\$ 3,163
9. *Total Assets in U.S.* (required only if less than 90 percent of firm's assets are located in the U.S.).	\$ 6,641

Denotes figures contained in or derived from Barrick Gold Corporation's December 31, 2017 consolidated financial statements.

¹ \$1,647 of depreciation was added back to net income

Financial test set forth in 10 CFR Part 30, Appendix A. To pass the financial test, the parent company must meet the criteria of either paragraph A.1 or A.2 of this section.

A.1	Yes	No
(i) Guarantor must pass two of the following three tests.		
Are total liabilities (line 2) divided by net worth (line 4) less than 2.0?	X	
Is net income plus depreciation (line 8) divided by total liabilities (line 2) greater than 0.1?	X	
Are current assets (line 5) divided by current liabilities (line 6) greater than 1.5?	X	
(ii) Is net working capital (line 7) at least 6 times the site cost estimate (line 1)? AND Is tangible net worth (line 3) at least 6 times the site cost estimate (line 1)?	X X	
(iii) Is tangible net worth (line 3) at least \$21 million?	X	
(iv) Are 90% of firms assets in US? If not, are the total assets in U.S. (line 9) at least 6 times the site cost estimate (line 1)?	X	X
A.2 SINCE BARRICK PASSED A.1, WE HAVE NOT PERFORMED A.2		
(i) A current rating for its most recent uninsured, uncollateralized, and unencumbered bond issuance of AAA, AA, A, or BBB (including adjustments of + and -) as issued by Standard and Poor's or Aaa, Aa, A, or Baa (including adjustment of 1, 2, or 3) as issued by Moody's;		
(ii) Is total net worth (line 4) at least 6 times the site cost estimate (line 1)?		
(iii) Is tangible net worth (line 3) at least \$21 million?		
(iv) Are 90% of firms assets in US? If not, are the total assets in U.S. (line 9) at least 6 times the site cost estimate (line 1)?		



Consolidated Statements of Income

Barrick Gold Corporation

For the years ended December 31 (in millions of United States dollars, except per share data)

	2017	2016
Revenue (notes 5 and 6)	\$8,374	\$8,558
Costs and expenses		
Cost of sales (notes 5 and 7)	5,300	5,405
General and administrative expenses (note 11)	248	256
Exploration, evaluation and project expenses (notes 5 and 8)	354	237
Impairment reversals (note 10)	(212)	(250)
Loss on currency translation (note 9b)	72	199
Closed mine rehabilitation (note 27b)	55	130
Income from equity investees (note 16)	(76)	(20)
Gain on non-hedge derivatives (note 25e)	(6)	(12)
Other expense (income) (note 9a)	(799)	60
Income before finance items and income taxes	3,438	2,553
Finance costs, net (note 14)	(691)	(775)
Income before income taxes	2,747	1,778
Income tax expense (note 12)	(1,231)	(917)
Net income	\$1,516	\$861
Attributable to:		
Equity holders of Barrick Gold Corporation	\$1,438	\$655
Non-controlling interests (note 32)	\$78	\$206
Earnings per share data attributable to the equity holders of Barrick Gold Corporation (note 13)		
Net income		
Basic	\$1.23	\$0.56
Diluted	\$1.23	\$0.56

The accompanying notes are an integral part of these consolidated financial statements



BARRICK



March 20, 2018

Ms. Catherine Raw
Executive Vice-President and Chief Financial Officer
Barrick Gold Corporation
Brookfield Place
TD Canada Trust Tower
161 Bay Street, Suite 3700
PO Box 212
Toronto ON M5J 2S1

Dear Ms. Raw:

As agreed with you, we have performed the procedures enumerated below with respect to Items 2 through 9 and A.1 (i) to (iv) in the schedule attached to the letter from Barrick Gold Corporation (Barrick) to the U.S. Nuclear Regulatory Commission (NRC), dated March 20, 2018, in support of Barrick's use of the financial test set forth in 10 CFR Part 30, Appendix A, to demonstrate financial assurance as required by 10 CFR Part 40, Appendix A Criteria 9 (the filing). This letter is furnished solely for filing with the NRC in accordance with these regulations and is not to be used for any other purpose. The procedures that we performed are summarized below:

1. We compared the amounts included in Items 5 and 6 in the schedule referred to above with the corresponding amounts included in the audited consolidated financial statements of Barrick for the year ended December 31, 2017, prepared in accordance with International Financial Reporting Standards as issued by the International Accounting Standards Board (the consolidated financial statements), and found them to be in agreement.
2. We recomputed from, or reconciled to, the consolidated financial statements, the information included in Items 2, 3, 4, 7, 8 and 9 in the schedule referred to above. The term "tangible net worth" as referred to in Item 3 is defined as "Total assets less goodwill, intangible assets and total liabilities excluding the Grants Reclamation Project accrual of \$83 million (Grants Reclamation accrual)". The term "total net worth" as referred to in Item 4 is defined as "Total equity excluding the Grants Reclamation Project accrual". The term "total assets in U.S." as referred to in Item 9 is defined as "Non-current assets in the United States" as disclosed in Note 5 of the 2017 consolidated financial statements. No exceptions were noted.
3. We checked the mathematical accuracy of the responses to Items A.1 (i) to (iv) inclusive in the schedule referred to above. No exceptions were noted.

PricewaterhouseCoopers LLP
PwC Tower, 18 York Street, Suite 2600, Toronto, Ontario, Canada M5J 0B2
T: +1 416 863 1133, F: +1 416 365 8215, www.pwc.com/ca

"PwC" refers to PricewaterhouseCoopers LLP, an Ontario limited liability partnership.



These procedures do not constitute an audit of the filing, and therefore we express no opinion on that filing. Had we performed additional procedures or had we made an examination of the information included in Items 2 through 9 and A.1, other matters might have come to our attention that would have been reported to you.

It is understood that this report is intended solely for the information of management and the other user, the NRC. Consequently, the report should not be distributed to other parties. Any use that a third party makes of this report, or any reliance or decisions made based on it, are the responsibility of such third party. We accept no responsibility for any loss or damages suffered by any third party as a result of decisions made or actions taken based on this report.

PricewaterhouseCoopers LLP

Chartered Professional Accountants, Licensed Public Accountants

HOMESTAKE MINING COMPANY OF CALIFORNIA
FINANCIAL TEST TO DEMONSTRATE FINANCIAL ASSURANCE
(In millions of US dollars)

1. Sum of decommissioning, reclamation and long-term Surveillance and control estimates for facilities SUA 1471.	\$ 83
2. Total liabilities (excluding Grants reclamation accrual).	\$ 14,158
3. Tangible Net Worth (excluding Grants reclamation accrual).	\$ 9,565
4. Total Net Worth (excluding Grants reclamation accrual).	\$ 11,150
5. Current Assets	\$ 4,684
6. Current Liabilities	\$ 1,747
7. Net Working Capital (line 5 minus 6)	\$ 2,937
8. The sum of net income (loss) plus depreciation ¹	\$ 3,163
9. *Total Assets in U.S.* (required only if less than 90 percent of firm's assets are located in the U.S.).	\$ 6,641

Denotes figures contained in or derived from Barrick Gold Corporation's December 31, 2017 consolidated financial statements.

¹ \$1,647 of depreciation was added back to net income

Financial test set forth in 10 CFR Part 30, Appendix A. To pass the financial test, the parent company must meet the criteria of either paragraph A.1 or A.2 of this section.

A.1

(i) Guarantor must pass two of the following three tests.

- Are total liabilities (line 2) divided by net worth (line 4) less than 2.0?
- Is net income plus depreciation (line 8) divided by total liabilities (line 2) greater than 0.1?
- Are current assets (line 5) divided by current liabilities (line 6) greater than 1.5?

- (ii) Is net working capital (line 7) at least 6 times the site cost estimate (line 1)? AND
Is tangible net worth (line 3) at least 6 times the site cost estimate (line 1)?

- (iii) Is tangible net worth (line 3) at least \$21 million?

- (iv) Are 90% of firms assets in US?
If not, are the total assets in U.S. (line 9) at least 6 times the site cost estimate (line 1)?

Yes No

X	X
X	X
X	X
X	X
X	X
X	X

A.2 SINCE BARRICK PASSED A.1, WE HAVE NOT PERFORMED A.2

- (i) A current rating for its most recent uninsured, uncollateralized, and unencumbered bond issuance of AAA, AA, A, or BBB (including adjustments of + and -) as issued by Standard and Poor's or Aaa, Aa, A, or Baa (including adjustment of 1, 2, or 3) as issued by Moody's;

- (ii) Is total net worth (line 4) at least 6 times the site cost estimate (line 1)?

- (iii) Is tangible net worth (line 3) at least \$21 million?

- (iv) Are 90% of firms assets in US?
If not, are the total assets in U.S. (line 9) at least 6 times the site cost estimate (line 1)?

THIRD AMENDMENT TO THE STANDBY TRUST AGREEMENT

THIRD AMENDMENT TO THE STANDBY TRUST AGREEMENT, dated as of April 12 2018 ("THIRD AMENDMENT") among Homestake Mining Company of California, a California corporation, Citibank, N.A., a national bank, and U.S. Nuclear Regulatory Commission.

1. Schedule A of the STANDBY TRUST AGREEMENT, dated November 13, 2013 is amended in its entirety as follows:

This Agreement demonstrates financial assurance for the following cost estimates or prescribed amounts for the following licensed activities:

U.S. NUCLEAR REGULATORY COMMISSION LICENSE	NAME AND ADDRESS OF LICENSEE	ADDRESS OF LICENSED ACTIVITY	COST ESTIMATES FOR REGULATORY ASSURANCES DEMONSTRATED BY THIS AGREEMENT
SUA-1471	Homestake Mining Company of California P.O. Box 98 Grants, New Mexico 87020	560 Anaconda Road, Route 605, Milan, New Mexico, 87021	\$83,455,824,

The cost estimates listed here, pending NRC approval in 2018, reflect an increase in costs for decommissioning the materials and activities identified in License Number SUA-1471 due to reclamation work completed by Homestake Mining Company of California, insofar as such costs were previously approved by the NRC on January 30, 2018 in the amount of \$69,976,178.

2. Except as set forth in this Third Amendment, the Standby Trust Agreement is unaffected and shall continue in full force and effect in accordance with its terms. If there is a conflict between this Third Amendment and the Standby Trust Agreement, the terms of this Third Amendment will prevail.
3. This Third Amendment shall be governed by and construed in accordance with the laws of the State of New York.

In WITNESS WHEREOF the parties have caused this THIRD AMENDMENT TO STANDBY TRUST AGREEMENT to be executed by the respective officers duly authorized and the incorporate seals to be hereunto affixed and attested as of the date first written above.

HOMESTAKE MINING COMPANY OF CALIFORNIA

By: Peter Webster
Peter Webster (Apr 11, 2018)

Name: Peter Webster

Title: Director

By: Paul D. Judd
Name: **Paul D. Judd**
Title: **CFO & Tax Director**

ATTEST: Jana Kay Stafford
[Title]
[Seal]



CITIBANK, N.A., Trustee

388 Greenwich Street

New York, New York 10013

Fax: (973) 461-7191

By: Nerlie Dely
Name: **Nerlie Dely**
Title: **Senior Trust Officer**

ATTEST: Miriam Molina
[Title]
[Seal] **Miriam Molina**
Senior Trust Officer

U.S. NUCLEAR REGULATORY COMMISSION

By: _____
Name:
Title:

ATTEST: _____
[Title]
[Seal]

Program Element	2019	2020	2021	2022	2023	2024
Tailings Water Management						
LTP Flushing						
Toe Drain Collection - treatment / evaporation						
LTP Dewatering / Draindown						
Aquifer Remediation						
General groundwater restoration Program						
Upper Chinle Injection						
Middle Chinle Injection						
Fresh water Injection						
Alluvial Collection / treatment						
Treatment & Evaporation						
<u>RO Operation:</u>						
Water Treatment Operation						
<u>Zeolite Treatment Operation:</u>						
Water Treatment Operation						
<u>Alternate Remediation Testing</u>						
Testing						
<u>Evaporation Pond #1:</u>						
Operation - treatment water input						
Evaporative dewatering						
Reclamation						
<u>Evaporation Pond #2 & Collection Ponds:</u>						
Operation - treatment water input						
Evaporative dewatering						
Reclamation						
<u>Evaporation Pond #3</u>						
Operation - treatment water input						
Evaporative dewatering						
Reclamation						
Physical Reclamation / Closure						
<u>Tailing Piles:</u>						
LTP						
Radon Barrier Placement on top						
Rock Cover Placement on top						
STP						
Pond Decommissioning / Regrading						
Radon Barrier Placement						
Rock Cover Placement						
<u>RO Plant:</u>						
Decommissioning / demolition						
<u>Office / Shop / Bldgs:</u>						
Decommissioning / demolition						
<u>Misc. & Ancillary Facilities:</u>						
Decommissioning / demolition						

Grants Project
Closure Cost Estimate
Grants Project Schedule

The 2018 closure cost estimate for years 2019 through 2024 was developed with the assumption that the restoration program is to generally follow the schedule outlined in the Corrective Action Program developed in 2011 through early 2012 with an extension to accommodate expected restoration progress. The restoration activities associated with the program schedule are as follows:

- The Tailings Flushing program continued through early 2015.
- The Collection for Reinjection program was discontinued in mid-2016.
- The Tailings Dewatering program is to continue through 2019 at diminishing rates.
- The Upper Chinle Injection program is to continue through 2022.
- The Middle Chinle Injection program is to continue through 2020.
- The Freshwater Injection program is to continue through 2022.
- The placement of the Radon Barrier and the Rock Cover for the Large Tailings Pile is to occur in 2023.
- Existing R.O. Plant to be operated at a feed rate of up to 600 gpm from 2015 through 2022.
- Expanded R.O. Treatment to be operated at a feed rate of up to 600 gpm from 2016 through 2022.
- The Zeolite water treatment is to be operated at a feed rate of 1200 to 1500 gpm from 2016 through 2022.
- The Ground-water restoration program is to continue through 2022.
- The Alluvial collection is to continue through 2022.
- The operation of Evaporation Pond No. 1 is to continue through 2023.
- The reclamation of Evaporation Pond No. 1 is to occur in 2024.
- The operation of Evaporation Ponds No. 2 and No. 3 and the East and West Collection ponds is to continue through 2023.
- The reclamation of Evaporation Ponds No. 2 and No. 3 and the East and West Collection ponds is to occur in 2024.
- The placement of the Radon Barrier and the Rock Cover for the Small Tailings Pile is to occur in 2024.
- The R.O. Plant demolition is to occur in 2024.
- The Office and other on-site demolition are to occur in 2024.

GRANTS PROJECT
Closure Cost Estimate
Costs for Life of Project
2018 Dollars

Physical Reclamation Costs

Tailings Facility Closure / Reclamation	XXXXX-810-23-3600	\$16,310,120
Other On-Site Demolition	XXXXX-810-23-3300	\$210,216
TOTAL PHYSICAL RECLAMATION COSTS		\$16,520,337

LONG-TERM CARE AND MAINTENANCE

WATER TREATMENT	XXXXX-810-23-5100		\$38,768,803
		General	\$1,850,649
		Tailings Water Management	\$1,414,781
		Groundwater Management	\$6,877,896
		R.O. Plant Operations	\$5,856,888
		Expanded R.O. Water Treatment	\$6,071,920
		Zeolite Water Treatment	\$3,457,560
		Alternate Remediation Testing	\$0
		Evaporation System Management	\$13,054,764
		Land Application Area Management	\$184,346
Monitoring / Regulatory	XXXXX-810-23-5200		\$5,071,344
		General	\$4,450,000
		Air / Weather Monitoring	\$98,040
		Radiation Monitoring	\$468,304
		Settlement Monument Monitoring	\$55,000
HOLDING	XXXXX-811-23-5300		\$276,000
		Land	\$276,000
SECURITY & MAINTENANCE	XXXXX-811-23-5400		\$24,000
		Land & Structures	\$24,000
SEVERANCE AND RELOCATION	XXXXX-XXX-XX-XXXX		\$0
		Severance and Relocation	\$0
GENERAL & ADMIN.	XXXXX-810-23-5500		\$11,110,330
		Salaries & Benefits	\$9,715,750
		General Office Costs	\$423,000
		Occupancy Costs	\$85,800
		Communication Costs	\$204,600
		Data Processing Costs	\$85,800
		Taxes, Licenses, and Fees	\$1,980
		Insurance	\$158,400
		Travel and Accommodation	\$156,000
		Professional Fees	\$90,000
		Outside Services	\$189,000
TOTAL LONG-TERM CARE AND MAINTENANCE COSTS			\$55,250,477
TOTAL INCOME			\$0
TOTAL EXPENSES LESS INCOME			\$71,770,814
15% Contingency fee per NUREG-1620 Appendix C			\$10,765,622
NRC Long-Term Maintenance / Surveillance Fee			\$919,388
TOTAL WITH CONTINGENCY AND LT SURVEILLANCE FEE			\$83,455,824

GRANTS PROJECT
Closure Cost Estimate
Costs for Life of Project
2018 Dollars

Physical Reclamation Costs

Tailings Facility Closure / Reclamation XXXXX-810-23-3600 \$16,310,120

711040-	Consulting	\$1,388,170
714090-	Outside Services	\$14,921,950
Total		\$16,310,120

Other On-Site Demolition XXXXX-810-23-3300 \$210,216

711040-	Consulting	\$39,015
714090-	Outside Services	\$171,201
Total		\$210,216

TOTAL PHYSICAL RECLAMATION COSTS \$16,520,337

LONG-TERM CARE AND MAINTENANCE

WATER TREATMENT XXXXX-810-23-5100 \$38,768,803

General \$1,850,649

717050 -	Fuel:	\$104,747
718010 -	Freight and Transportation:	\$30,000
717060 -	Equipment Expenses:	\$746,250
717075 -	Vehicle Expenses:	\$800,800
610020 -	Utilities:	\$168,852
Total		\$1,850,649

Tailings Water Management \$1,414,781

711030 -	Water Analysis:	\$11,040
714010 -	Driller costs:	\$1,329,370
610020 -	Utilities:	\$371
Total		\$1,340,781

Tailings Collection

714090 -	Outside Services:	\$0
711040 -	Consulting Services:	\$30,000
711020 -	Parts and Supplies:	\$27,000
712010 -	Pumps:	\$7,000
Total		\$64,000

GRANTS PROJECT
Closure Cost Estimate
Costs for Life of Project
2018 Dollars

Toe Drains and Sumps Collection

711040 -	Consulting Services:	\$10,000
714090 -	Outside Services:	\$0
711020 -	Parts and Supplies:	\$0
712010 -	Pumps:	\$0
Total		\$10,000

Tailings Flushing

711040 -	Consulting Services:	\$0
714090 -	Outside Services:	\$0
Injection System		
711020 -	Parts and Supplies:	\$0
Injection Supply System		
711020 -	Parts and Supplies:	\$0
712010 -	Pumps:	\$0
610020 -	Utilities:	\$0
Total		\$0

Groundwater Management

\$6,877,896

711030 -	Water Analysis:	\$721,385
714010 -	Driller costs:	\$3,969,560
Total		\$4,690,945

Groundwater Collection

714090 -	Outside Services:	\$92,000
711040 -	Consulting Services:	\$180,000
On-Site		
610020 -	Utilities:	\$309,540
North Off-Site		
610020 -	Utilities:	\$179,215
South Off-Site		
610020 -	Utilities:	\$581,558
C-Line		
711020 -	Parts and Supplies:	\$174,960
712010 -	Pumps:	\$157,500
K-Line		
711020 -	Parts and Supplies:	\$4,640
712010 -	Pumps:	\$4,200
610020 -	Utilities:	\$660
B-Line		
711020 -	Parts and Supplies:	\$9,280
712010 -	Pumps:	\$8,400
D-Line		
711020 -	Parts and Supplies:	\$0
712010 -	Pumps:	\$0
S-Line		
711020 -	Parts and Supplies:	\$0
712010 -	Pumps:	\$0
610020 -	Utilities:	\$0
P-Line		
711020 -	Parts and Supplies:	\$0
712010 -	Pumps:	\$0
610020 -	Utilities:	\$990
T-Line		
711020 -	Parts and Supplies:	\$12,420
712010 -	Pumps:	\$12,600
L-Line		
711020 -	Parts and Supplies:	\$0
712010 -	Pumps:	\$0
610020 -	Utilities:	\$0

521, 522, and 639

711020 -	Parts and Supplies:	\$2,320
712010 -	Pumps:	\$2,100
610020 -	Utilities:	\$8,800
Total		\$1,741,184

GRANTS PROJECT
Closure Cost Estimate
Costs for Life of Project
2018 Dollars

Groundwater Injection		
714090 -	Outside Services:	\$8,000
711040 -	Consulting Services:	\$80,000
Deep Wells		
711020 -	Parts and Supplies:	\$32,700
712010 -	Pumps:	\$30,000
610020 -	Utilities:	\$142,798
WR-Line		
711020 -	Parts and Supplies:	\$0
M-Line		
711020 -	Parts and Supplies:	\$0
B-Line		
711020 -	Parts and Supplies:	\$0
C-Line		
711020 -	Parts and Supplies:	\$134,210
K-Line		
711020 -	Parts and Supplies:	\$0
J-Line		
711020 -	Parts and Supplies:	\$0
X-Line		
711020 -	Parts and Supplies:	\$0
G-Line		
711020 -	Parts and Supplies:	\$0
D-Line		
711020 -	Parts and Supplies:	\$7,360
T-Line		
711020 -	Parts and Supplies:	\$6,020
S-Line		
711020 -	Parts and Supplies:	\$4,680
Upper Chinle		
711020 -	Parts and Supplies:	\$0
Middle Chinle		
711020 -	Parts and Supplies:	\$0
Total		\$445,768

R.O. Plant Operations

\$5,856,888

714090 -	Outside Services:	\$72,000
711040 -	Consulting Services:	\$220,000
610020 -	Utilities:	\$957,449
711020 -	Parts and Supplies:	\$4,428,383
712010 -	Pumps/Starters:	\$80,000
711030 -	Water Analysis:	\$99,056
Total		\$5,856,888

Expanded R.O. Water Treatment

\$6,071,920

714090 -	Outside Services:	\$20,000
711040 -	Consulting Services:	\$100,000
711020 -	Parts and Supplies:	\$4,372,683
711030 -	Water Analysis:	\$82,648
610020 -	Utilities:	\$1,496,589
Total		\$6,071,920

Zeolite Water Treatment

\$3,457,560

714090 -	Outside Services:	\$0
711040 -	Consulting Services:	\$260,000
711020 -	Parts and Supplies:	\$2,916,800
711030 -	Water Analysis:	\$236,760
610020 -	Utilities:	\$44,000
Total		\$3,457,560

GRANTS PROJECT
Closure Cost Estimate
Costs for Life of Project
2018 Dollars

Alternate Remediation Testing

\$0

714090 -	Outside Services:	\$0
711040 -	Consulting Services:	\$0
711020 -	Parts and Supplies:	\$0
712010 -	Pumps:	\$0
711030 -	Water Analysis:	\$0
Total		\$0

Evaporation System Management

\$13,054,764

714090 -	Outside Services:	\$8,744,000
711040 -	Consulting Services:	\$190,000
711030 -	Water Analysis:	\$68,520
610020 -	Utilities:	\$1,502,399
Total		\$10,504,919

East Collection Pond

711020 -	Parts and Supplies:	\$418,200
Total		\$418,200

West Collection Pond

711020 -	Parts and Supplies:	\$418,200
Total		\$418,200

No. 1 Evaporation Pond

711020 -	Parts and Supplies:	\$630,845
712010 -	Pumps:	\$360,000
Total		\$990,845

No. 2 & No. 3 Evaporation Ponds

711020 -	Parts and Supplies:	\$652,600
712010 -	Pumps:	\$70,000
Total		\$722,600

Irrigation System Management

\$184,346

714090 -	Outside Services:	\$88,000
711040 -	Consulting Services:	\$0
711020 -	Parts and Supplies:	\$30,832
718070 -	Vegetation Analysis:	\$2,820
718030 -	Soil Analysis:	\$44,100
711030 -	Water Analysis:	\$18,594
Total		\$184,346

Section 34 Land Application Area

714090 -	Outside Services:	\$0
Total		\$0

Section 28 Land Application Area

714090 -	Outside Services:	\$0
Total		\$0

Section 33 Land Application Area

714090 -	Outside Services:	\$0
Total		\$0

GRANTS PROJECT
Closure Cost Estimate
Costs for Life of Project
2018 Dollars

Monitoring / Regulatory XXXXX-810-23-5200

\$5,071,344

General

\$4,450,000

718900 -	NRC Fees:	\$900,000
718025 -	Permitting Fees:	\$30,000
711040 -	Consulting Services:	\$3,520,000
Total		\$4,450,000

Air / Weather Monitoring

\$98,040

714090 -	Outside Services:	\$66,000
711020 -	Parts and Supplies:	\$3,000
610020 -	Utilities:	\$29,040
Total		\$98,040

Radiation Monitoring

\$468,304

714090 -	Outside Services:	\$52,000
711020 -	Parts and Supplies:	\$145,464
718030 -	Lab Fees:	\$228,288
610020 -	Utilities:	\$24,552
711040 -	Radiation Training:	\$18,000
Total		\$468,304

Settlement Monument Monitoring

\$55,000

714090 -	Outside Services:	\$55,000
Total		\$55,000

HOLDING XXXXX-811-23-5300

\$276,000

Land

\$276,000

790060-	Land Purchase	\$0
790090-	Land Rental	\$0
790110-	Title commitment policy costs	\$0
790010-	Appraisal	\$0
790120-	Land improvements	\$36,000
623010-	Property tax	\$150,000
790120-	Surveying / Mapping	\$90,000
Total		\$276,000

SECURITY & MAINTENANCE XXXXX-811-23-5400

\$24,000

Land & Structures

\$24,000

717030-	Surveillance	\$24,000
Total		\$24,000

GRANTS PROJECT
Closure Cost Estimate
Costs for Life of Project
2018 Dollars

SEVERANCE AND RELOCATION XXXXX-XXX-XX-XXXX

\$0

Severance and Relocation			\$0
717030-	Severance and Relocation	\$0	
	Total	\$0	

GENERAL & ADMIN. XXXXX-810-23-5500

\$11,110,330

Salaries & Benefits			\$9,715,750
600000-	Salaries - General	\$3,201,000	
600040-	Benefits - General	\$1,440,450	
600001-	Salaries - Groundwater	\$2,442,000	
600040-	Benefits - Groundwater	\$1,098,900	
600001-	Employee Overtime	\$385,000	
600050-	Temporary labor	\$990,000	
601060-	Workman's compensation	\$0	
601130-	Memberships	\$98,400	
601140-	Seminars & training (employees)	\$30,000	
603000-	Employee relations	\$30,000	
	Total	\$9,715,750	

General Office Costs			\$423,000
622000-	Stationery & supplies	\$90,000	
622040-	Publications & subscriptions	\$0	
622050-	Miscellaneous	\$9,000	
622070-	Lunch / Dinners	\$0	
	Community Relations:	\$324,000	
	Total	\$423,000	

Occupancy Costs			\$85,800
610030-	Office - Other	\$85,800	
	Total	\$85,800	

Communication Costs			\$204,600
620010-	Telecommunications	\$92,400	
620060-	Postage	\$112,200	
	Total	\$204,600	

Data Processing Costs			\$85,800
621000-	Equipment rental / leases	\$85,800	
	Total	\$85,800	

Taxes, Licenses, and Fees			\$1,980
623000-	Office - Other	\$1,980	
	Total	\$1,980	

Insurance			\$158,400
624040-	Insurance	\$158,400	
	Total	\$158,400	

GRANTS PROJECT
Closure Cost Estimate
Costs for Life of Project
2018 Dollars

Travel and Accommodation			\$156,000
640000-	Travel - Air	\$30,000	
640020-	Travel - Accommodation	\$30,000	
640030-	Travel - Taxis	\$12,000	
640050-	Travel - Gas	\$48,000	
640060-	Travel - Meals	\$6,000	
	Meals and Entertainment	\$30,000	
	Total	\$156,000	
Professional Fees			\$90,000
670000-	Legal fees	\$90,000	
	Total	\$90,000	
Outside Services			\$189,000
714090-	W/C Admin.	\$189,000	
	Total	\$189,000	
TOTAL LONG-TERM CARE AND MAINTENANCE COSTS			\$55,250,477
INCOME			\$0
TOTAL EXPENSES LESS INCOME			\$71,770,814

GRANTS PROJECT
Closure Cost Estimate
Estimated Costs Per Year
2019 Through Completion

TAILINGS FACILITY CLOSURE / RECLAMATION
XXXXXX-810-23-3600

	2019	2020	2021	2022	2023	2024	Total
711040 - Consulting:	0	0	0	0	645,385	742,785	1,388,170
714090 - Outside Services:	50,000	50,000	50,000	50,000	7,962,088	6,759,862	14,921,950
<i>Total Closure/Reclamation</i>	50,000	50,000	50,000	50,000	8,607,473	7,502,648	16,310,120

ON-SITE DEMOLITION
XXXXXX-810-23-3300

711040 - Consulting:	0	0	0	0	0	39,015	39,015
714090 - Outside Services:	0	0	0	0	0	171,201	171,201
<i>Total Demolition</i>	0	0	0	0	0	210,216	210,216

WATER TREATMENT
XXXXXX-810-23-5100

--General--

717050 - Fuel:	17,458	17,458	17,458	17,458	17,458	17,458	104,747
718010 - Freight and Transportation:	5,000	5,000	5,000	5,000	5,000	5,000	30,000
717060 - Equipment Expenses:	124,375	124,375	124,375	124,375	124,375	124,375	746,250
717075 - Vehicle Expenses:	143,000	143,000	143,000	143,000	143,000	85,800	800,800
610020 - Utilities:	28,142	28,142	28,142	28,142	28,142	28,142	168,852
<i>Total</i>	317,975	317,975	317,975	317,975	317,975	260,775	1,850,649

--Tailings Water Management--

711030 - Water Analysis:	2,760	2,760	2,760	2,760	0	0	11,040
714010 - Driller costs:	770,000	521,560	0	18,460	0	19,350	1,329,370
610020 - Utilities:	371	0	0	0	0	0	371
<i>Subtotal</i>	773,131	524,320	2,760	21,220	0	19,350	1,340,781

Tailings Collection

714090 - Outside Services:	0	0	0	0	0	0	0
711040 - Consulting Services:	15000	15000	0	0	0	0	30000
711020 - Parts and Supplies:	27000	0	0	0	0	0	27000
712010 - Pumps:	7000	0	0	0	0	0	7000
<i>Subtotal</i>	49,000	15,000	0	0	0	0	64,000

GRANTS PROJECT
Closure Cost Estimate
Estimated Costs Per Year
2019 Through Completion

WATER TREATMENT (Cont.)
XXXXXX-810-23-5100

	2019	2020	2021	2022	2023	2024	Total
Toe Drains and Sumps Collection							
711040 - Consulting Services:	5,000	5,000	0	0	0	0	10,000
714090 - Outside Services:	0	0	0	0	0	0	0
711020 - Parts and Supplies:	0	0	0	0	0	0	0
712010 - Pumps:	0	0	0	0	0	0	0
Subtotal	5,000	5,000	0	0	0	0	10,000
Tailings Flushing System							
711040 - Consulting Services:	0	0	0	0	0	0	0
714090 - Outside Services:	0	0	0	0	0	0	0
Injection System							
711020 - Parts and Supplies:	0	0	0	0	0	0	0
Injection Supply System							
711020 - Parts and Supplies:	0	0	0	0	0	0	0
712010 - Pumps:	0	0	0	0	0	0	0
610020 - Utilities:	0	0	0	0	0	0	0
Subtotal	0	0	0	0	0	0	0
Total	827,131	544,320	2,760	21,220	0	19,350	1,414,781
--Groundwater Management--							
711030 - Water Analysis:	176,458	176,458	155,358	134,258	52,940	25,913	721,385
714010 - Driller costs:	1,676,000	12,420	12,420	12,420	895,600	1,360,700	3,969,560
Subtotal	1,852,458	188,878	167,778	146,678	948,540	1,386,613	4,690,945
Groundwater Collection							
714090 - Outside Services:	23,000	23,000	23,000	23,000	0	0	92,000
711040 - Consulting Services:	60,000	60,000	30,000	30,000	0	0	180,000
General On-Site							
610020 - Utilities:	77,385	77,385	77,385	77,385	0	0	309,540
General North Off-Site							
610020 - Utilities:	64,367	74,876	26,272	13,699	0	0	179,215
General South Off-Site							
610020 - Utilities:	188,974	178,465	165,704	48,416	0	0	581,558
C-Line							
711020 - Parts and Supplies:	96,240	26,240	26,240	26,240	0	0	174,960
712010 - Pumps:	63,000	31,500	31,500	31,500	0	0	157,500
K-Line							
711020 - Parts and Supplies:	2,320	2,320	0	0	0	0	4,640
712010 - Pumps:	2,100	2,100	0	0	0	0	4,200
610020 - Utilities:	330	330	0	0	0	0	660
B-Line							
711020 - Parts and Supplies:	2,320	2,320	2,320	2,320	0	0	9,280
712010 - Pumps:	2,100	2,100	2,100	2,100	0	0	8,400
D-Line							
711020 - Parts and Supplies:	0	0	0	0	0	0	0
712010 - Pumps:	0	0	0	0	0	0	0

GRANTS PROJECT
Closure Cost Estimate
Estimated Costs Per Year
2019 Through Completion

WATER TREATMENT (Cont.)
XXXXXX-810-23-5100

	2019	2020	2021	2022	2023	2024	Total
<u>S-Line</u>							
711020 - Parts and Supplies:	0	0	0	0	0	0	0
712010 - Pumps:	0	0	0	0	0	0	0
610020 - Utilities:	0	0	0	0	0	0	0
<u>P-Line</u>							
711020 - Parts and Supplies:	0	0	0	0	0	0	0
712010 - Pumps:	0	0	0	0	0	0	0
610020 - Utilities:	330	330	330	0	0	0	990
<u>T-Line</u>							
711020 - Parts and Supplies:	4,140	4,140	4,140	0	0	0	12,420
712010 - Pumps:	4,200	4,200	4,200	0	0	0	12,600
<u>L-Line</u>							
711020 - Parts and Supplies:	0	0	0	0	0	0	0
712010 - Pumps:	0	0	0	0	0	0	0
610020 - Utilities:	0	0	0	0	0	0	0
<u>521, 522, and 639</u>							
711020 - Parts and Supplies:	2,320	0	0	0	0	0	2,320
712010 - Pumps:	2,100	0	0	0	0	0	2,100
610020 - Utilities:	2,200	2,200	2,200	2,200	0	0	8,800
Subtotal	597,426	491,506	395,391	256,860	0	0	1,741,184
Groundwater Injection							
714090 - Outside Services:	2,000	2,000	2,000	2,000	0	0	8,000
711040 - Consulting Services:	20,000	20,000	20,000	20,000	0	0	80,000
<u>Deep Wells</u>							
711020 - Parts and Supplies:	5,450	5,450	5,450	5,450	5,450	5,450	32,700
712010 - Pumps:	5,000	5,000	5,000	5,000	5,000	5,000	30,000
610020 - Utilities:	29,990	29,990	29,990	29,990	11,418	11,418	142,798
<u>WR-Line</u>							
711020 - Parts and Supplies:	0	0	0	0	0	0	0
<u>M-Line</u>							
711020 - Parts and Supplies:	0	0	0	0	0	0	0
<u>B-Line</u>							
711020 - Parts and Supplies:	0	0	0	0	0	0	0
<u>C-Line</u>							
711020 - Parts and Supplies:	86,240	15,990	15,990	15,990	0	0	134,210
<u>K-Line</u>							
711020 - Parts and Supplies:	0	0	0	0	0	0	0
<u>J-Line</u>							
711020 - Parts and Supplies:	0	0	0	0	0	0	0
<u>X-Line</u>							
711020 - Parts and Supplies:	0	0	0	0	0	0	0
<u>G-Line</u>							
711020 - Parts and Supplies:	0	0	0	0	0	0	0
<u>D-Line</u>							
711020 - Parts and Supplies:	1,840	1,840	1,840	1,840	0	0	7,360
<u>T-Line</u>							
711020 - Parts and Supplies:	2,510	1,170	1,170	1,170	0	0	6,020
<u>S-Line</u>							
711020 - Parts and Supplies:	1,170	1,170	1,170	1,170	0	0	4,680
<u>Upper Chinle</u>							
711020 - Parts and Supplies:	0	0	0	0	0	0	0

GRANTS PROJECT
Closure Cost Estimate
Estimated Costs Per Year
2019 Through Completion

WATER TREATMENT (Cont.)
XXXXXX-810-23-5100

	2019	2020	2021	2022	2023	2024	Total
Middle Chinle							
711020 - Parts and Supplies:	0	0	0	0	0	0	0
<i>Subtotal</i>	154,200	82,610	82,610	82,610	21,868	21,868	445,768
<i>Total</i>	2,604,084	762,994	645,780	486,149	970,408	1,408,481	6,877,896
R.O. Plant Operations							
714090 - Outside Services:	18,000	18,000	18,000	18,000	0	0	72,000
711040 - Consulting Services:	55,000	55,000	55,000	55,000	0	0	220,000
610020 - Utilities:	256,572	256,572	256,572	182,797	3,836	1,100	957,449
711020 - Parts and Supplies:	1,208,404	1,208,404	1,208,404	803,172	0	0	4,428,383
712010 - Pumps/Starters:	20,000	20,000	20,000	20,000	0	0	80,000
711030 - Water Analysis:	32,782	32,782	16,746	16,746	0	0	99,056
<i>Total</i>	1,590,758	1,590,758	1,574,722	1,095,715	3,836	1,100	5,856,888
Expanded R.O. Water Treatment							
714090 - Outside Services:	5,000	5,000	5,000	5,000	0	0	20,000
711040 - Consulting Services:	25,000	25,000	25,000	25,000	0	0	100,000
711020 - Parts and Supplies:	1,194,479	1,194,479	1,194,479	789,247	0	0	4,372,683
711030 - Water Analysis:	20,662	20,662	20,662	20,662	0	0	82,648
610020 - Utilities:	398,142	398,142	398,142	292,291	4,936	4,936	1,496,589
<i>Total</i>	1,643,283	1,643,283	1,643,283	1,132,200	4,936	4,936	6,071,920
Zeolite Water Treatment							
714090 - Outside Services:	0	0	0	0	0	0	0
711040 - Consulting Services:	70,000	70,000	70,000	50,000	0	0	260,000
711020 - Parts and Supplies:	729,200	729,200	729,200	729,200	0	0	2,916,800
711030 - Water Analysis:	59,190	59,190	59,190	59,190	0	0	236,760
610020 - Utilities:	11,000	11,000	11,000	11,000	0	0	44,000
<i>Total</i>	869,390	869,390	869,390	849,390	0	0	3,457,560
Alternate Remediation Testing							
714090 - Outside Services:	0	0	0	0	0	0	0
711040 - Consulting Services:	0	0	0	0	0	0	0
711020 - Parts and Supplies:	0	0	0	0	0	0	0
712010 - Pumps:	0	0	0	0	0	0	0
711030 - Water Analysis:	0	0	0	0	0	0	0
<i>Total</i>	0	0	0	0	0	0	0
--Evaporation System Management--							
714090 - Outside Services:	8,550,000	50,000	50,000	50,000	30,000	14,000	8,744,000
711040 - Consulting Services:	40,000	40,000	40,000	40,000	30,000	0	190,000
711030 - Water Analysis:	21,350	21,350	12,910	12,910	0	0	68,520
610020 - Utilities:	300,480	300,480	300,480	300,480	300,480	0	1,502,399
<i>Subtotal</i>	8,911,830	411,830	403,390	403,390	360,480	14,000	10,504,919
East Collection Pond							
711020 - Parts and Supplies:	83,640	83,640	83,640	83,640	83,640	0	418,200
<i>Subtotal</i>	83,640	83,640	83,640	83,640	83,640	0	418,200
West Collection Pond							
711020 - Parts and Supplies:	83,640	83,640	83,640	83,640	83,640	0	418,200
<i>Subtotal</i>	83,640	83,640	83,640	83,640	83,640	0	418,200

GRANTS PROJECT
Closure Cost Estimate
Estimated Costs Per Year
2019 Through Completion

WATER TREATMENT (Cont.)
XXXXXX-810-23-5100

	2019	2020	2021	2022	2023	2024	Total
No. 1 Evaporation Pond							
711020 - Parts and Supplies:	126,169	126,169	126,169	126,169	126,169	0	630,845
712010 - Pumps:	162,000	162,000	12,000	12,000	12,000	0	360,000
Subtotal	288,169	288,169	138,169	138,169	138,169	0	990,845
No. 2 & No. 3 Evaporation Ponds							
711020 - Parts and Supplies:	130,520	130,520	130,520	130,520	130,520	0	652,600
712010 - Pumps:	14,000	14,000	14,000	14,000	14,000	0	70,000
Subtotal	144,520	144,520	144,520	144,520	144,520	0	722,600
Total	9,511,799	1,011,799	853,359	853,359	810,449	14,000	13,054,764
--Land Application Area Management and Closure--							
714090 - Outside Services:	24,000	24,000	20,000	20,000	0	0	88,000
711040 - Consulting Services:	0	0	0	0	0	0	0
711020 - Parts and Supplies:	7,708	7,708	7,708	7,708	0	0	30,832
718030 - Vegetation Analysis:	705	705	705	705	0	0	2,820
718030 - Soil Analysis:	11,025	11,025	11,025	11,025	0	0	44,100
711030 - Water Analysis:	4,649	4,649	4,649	4,649	0	0	18,594
Subtotal	48,087	48,087	44,087	44,087	0	0	184,346
Section 34 Land Application Area							
Section 34 Land Application Closure							
714090 - Outside Services:	0	0	0	0	0	0	0
Subtotal	0	0	0	0	0	0	0
Section 28 Land Application Area							
Section 28 Land Application Closure							
714090 - Outside Services:	0	0	0	0	0	0	0
Subtotal	0	0	0	0	0	0	0
Section 33 Land Application Area							
Section 33 Land Application Closure							
714090 - Outside Services:	0	0	0	0	0	0	0
Subtotal	0	0	0	0	0	0	0
Total	48,087	48,087	44,087	44,087	0	0	184,346
Total Water Treatment	17,412,506	6,788,604	5,951,354	4,800,094	2,107,604	1,708,641	38,768,803

GRANTS PROJECT
Closure Cost Estimate
Estimated Costs Per Year
2019 Through Completion

MONITORING/REGULATORY
XXXXXX-810-23-5200

	2019	2020	2021	2022	2023	2024	Total
--General--							
718900 - NRC Fees:	150,000	150,000	150,000	150,000	150,000	150,000	900,000
718025 - Permitting Fees:	5,000	5,000	5,000	5,000	5,000	5,000	30,000
711040 - Consulting Services:	1,030,000	630,000	550,000	550,000	490,000	270,000	3,520,000
Total	1,185,000	785,000	705,000	705,000	645,000	425,000	4,450,000
--Air / Weather Monitoring--							
714090 - Outside Services:	11,000	11,000	11,000	11,000	11,000	11,000	66,000
711020 - Parts and Supplies:	500	500	500	500	500	500	3,000
610020 - Utilities:	4,840	4,840	4,840	4,840	4,840	4,840	29,040
Total	16,340	16,340	16,340	16,340	16,340	16,340	98,040
--Radiation Monitoring--							
714090 - Outside Services:	10,000	10,000	10,000	10,000	6,000	6,000	52,000
711020 - Parts and Supplies:	24,244	24,244	24,244	24,244	24,244	24,244	145,464
718030 - Lab Fees:	38,048	38,048	38,048	38,048	38,048	38,048	228,288
610020 - Utilities:	4,092	4,092	4,092	4,092	4,092	4,092	24,552
711040 - Radiation Training:	3,000	3,000	3,000	3,000	3,000	3,000	18,000
Total	79,384	79,384	79,384	79,384	75,384	75,384	468,304
--Settlement Monument Monitoring--							
714090 - Outside Services:	10,000	10,000	10,000	10,000	10,000	5,000	55,000
Total	10,000	10,000	10,000	10,000	10,000	5,000	55,000
Total Monitoring/Regulatory	1,290,724	890,724	810,724	810,724	746,724	521,724	5,071,344

GRANTS PROJECT
Closure Cost Estimate
Estimated Costs Per Year
2019 Through Completion

HOLDING
XXXXXX-811-23-5300

-Land-

	2019	2020	2021	2022	2023	2024	Total
790060 - Land Purchase:	0	0	0	0	0	0	0
790090 - Land Rental:	0	0	0	0	0	0	0
790110 - Title Commitment Policy:	0	0	0	0	0	0	0
790010 - Appraisal :	0	0	0	0	0	0	0
790120 - Land Improvements:	6,000	6,000	6,000	6,000	6,000	6,000	36,000
623010 - Property Tax:	25,000	25,000	25,000	25,000	25,000	25,000	150,000
790120 - Surveying / Mapping:	15,000	15,000	15,000	15,000	15,000	15,000	90,000
<i>Total Holding</i>	46,000	46,000	46,000	46,000	46,000	46,000	276,000

SECURITY AND MAINTENANCE
XXXXXX-811-23-5400

-Land and Structures--

	2019	2020	2021	2022	2023	2024	Total
717030 - Surveillance:	4,000	4,000	4,000	4,000	4,000	4,000	24,000
<i>Total Security/Maintenance</i>	4,000	4,000	4,000	4,000	4,000	4,000	24,000

SEVERANCE AND RELOCATION
XXXXXX-XXX-XX-XXXX

-Severance and Relocation--

	2019	2020	2021	2022	2023	2024	Total
xxxxxx - Severance and Relocation:	0	0	0	0	0	0	0
<i>Total Severance/Relocation</i>	0	0	0	0	0	0	0

GRANTS PROJECT
Closure Cost Estimate
Estimated Costs Per Year
2019 Through Completion

GENERAL AND ADMIN.
XXXXXX-811-23-5500

	2019	2020	2021	2022	2023	2024	Total
--Salaries and Benefits--							
<u>Managerial</u>							
600000 - Salaries - General:	533,500	533,500	533,500	533,500	533,500	533,500	3,201,000
600040 - Benefits - General:	240,075	240,075	240,075	240,075	240,075	240,075	1,440,450
<u>Foreman and Technical</u>							
600001 - Salaries - Groundwater:	462,000	462,000	462,000	462,000	352,000	242,000	2,442,000
600040 - Benefits - Groundwater:	207,900	207,900	207,900	207,900	158,400	108,900	1,098,900
<u>Overtime</u>							
600001 - Employee Overtime	88,000	77,000	77,000	66,000	55,000	22,000	385,000
<u>Other</u>							
600050 - Temporary Labor:	247,500	247,500	247,500	247,500	0	0	990,000
601060 - Workman's Compensation:	0	0	0	0	0	0	0
601130 - Memberships:	16,400	16,400	16,400	16,400	16,400	16,400	98,400
601140 - Seminars and Training:	5,000	5,000	5,000	5,000	5,000	5,000	30,000
603000 - Employee Relations:	5,000	5,000	5,000	5,000	5,000	5,000	30,000
Total	1,805,375	1,794,375	1,794,375	1,783,375	1,365,375	1,172,875	9,715,750
--General Office Costs--							
622000 - Stationary & Supplies:	15,000	15,000	15,000	15,000	15,000	15,000	90,000
622040 - Publications & Subscriptions:	0	0	0	0	0	0	0
622050 - Miscellaneous:	1,500	1,500	1,500	1,500	1,500	1,500	9,000
622070 - Lunch / Dinners:	0	0	0	0	0	0	0
Community Relations:	54,000	54,000	54,000	54,000	54,000	54,000	324,000
Total	70,500	70,500	70,500	70,500	70,500	70,500	423,000
--Occupancy Costs--							
610030 - Office - Other:	14,300	14,300	14,300	14,300	14,300	14,300	85,800
Total	14,300	14,300	14,300	14,300	14,300	14,300	85,800
--Communication Costs--							
620010 - Telecommunications:	15,400	15,400	15,400	15,400	15,400	15,400	92,400
620060 - Postage:	18,700	18,700	18,700	18,700	18,700	18,700	112,200
Total	34,100	34,100	34,100	34,100	34,100	34,100	204,600
--Data Processing Costs--							
621000 - Equipment Rental / Leases:	14,300	14,300	14,300	14,300	14,300	14,300	85,800
Total	14,300	14,300	14,300	14,300	14,300	14,300	85,800
--Taxes, Licenses, and Fees--							
623000 - Office - Other:	330	330	330	330	330	330	1,980
Total	330	330	330	330	330	330	1,980
--Insurance--							
624040 - Insurance:	26,400	26,400	26,400	26,400	26,400	26,400	158,400
Total	26,400	26,400	26,400	26,400	26,400	26,400	158,400

GRANTS PROJECT
Closure Cost Estimate
Estimated Costs Per Year
2019 Through Completion

GENERAL AND ADMIN. (Cont.)
XXXXXX-811-23-5500

2019	2020	2021	2022	2023	2024	Total
------	------	------	------	------	------	-------

--Travel and Accommodation--

640000 - Travel - Air:	5,000	5,000	5,000	5,000	5,000	5,000	30,000
640020 - Travel - Accommodation:	5,000	5,000	5,000	5,000	5,000	5,000	30,000
640030 - Travel - Taxis:	2,000	2,000	2,000	2,000	2,000	2,000	12,000
640050 - Travel - Gas:	8,000	8,000	8,000	8,000	8,000	8,000	48,000
640060 - Travel - Meals:	1,000	1,000	1,000	1,000	1,000	1,000	6,000
Meals and Entertainment	5,000	5,000	5,000	5,000	5,000	5,000	30,000
Total	26,000	26,000	26,000	26,000	26,000	26,000	156,000

--Professional Fees--

670000 - Legal Fees:	15,000	15,000	15,000	15,000	15,000	15,000	90,000
Total	15,000	15,000	15,000	15,000	15,000	15,000	90,000

--Outside Services--

714090 - General Outside Services	41,000	41,000	41,000	41,000	20,000	5,000	189,000
Total	41,000	41,000	41,000	41,000	20,000	5,000	189,000

Total General/Admin.	2,047,305	2,036,305	2,036,305	2,025,305	1,586,305	1,378,805	11,110,330
-----------------------------	------------------	------------------	------------------	------------------	------------------	------------------	-------------------

Grand Total	20,850,535	9,815,633	8,898,383	7,736,123	13,098,105	11,372,034	71,770,814
--------------------	-------------------	------------------	------------------	------------------	-------------------	-------------------	-------------------

MISCELLANEOUS INCOME
XXXXXX-XXX-XX-XXXX

2019	2020	2021	2022	2023	2024	Total
------	------	------	------	------	------	-------

--Misc. Income--

499000 - Misc. Income:	0	0	0	0	0	0	0
Total Misc. Income.	0	0	0	0	0	0	0

TAILINGS FACILITY CLOSURE / RECLAMATION
XXXXXX-810-23-3600

	2019	2020	2021	2022	2023	2024	Total
711040 - Consulting:	0	0	0	0	645,385	742,785	1,388,170
Large Tailings Pile Closure -	0	0	0	0	461,084	0	461,084
Final Closure and Demolition (R.O. Plant, Small Tailings Piles, E. and	0	0	0	0	184,300	742,785	927,085
W. Collection ponds and No. 1, No. 2 and No. 3 Evap. Ponds) -							0
Review of Physical Reclamation -	0	0	0	0	0	0	0
714090 - Outside Services:	50,000	50,000	50,000	50,000	7,962,088	6,759,862	14,921,950
Large Tailings Pile Closure -	0	0	0	0	6,367,467	0	6,367,467
Current Reclamation Repairs -	50,000	50,000	50,000	50,000	750,000	0	950,000
Pond Closure -	0	0	0	0	791,419	2,752,247	3,543,666
Small Tailings Pile Closure -	0	0	0	0	0	3,610,646	3,610,646
R.O. Plant Demolition -	0	0	0	0	0	396,969	396,969
Radiological Survey and Environmental Monitoring -	0	0	0	0	53,202	0	53,202
Total Closure/Reclamation	50,000	50,000	50,000	50,000	8,607,473	7,502,648	16,310,120

ON-SITE DEMOLITION
XXXXXX-810-23-3300

	2019	2020	2021	2022	2023	2024	Total
711040 - Consulting:	0	0	0	0	0	39,015	39,015
Engineering Design / QAQC -	0	0	0	0	0	39,015	39,015
714090 - Outside Services:	0	0	0	0	0	171,201	171,201
Demolition / Cleanup -	0	0	0	0	0	171,201	171,201
Total Demolition	0	0	0	0	0	210,216	210,216

WATER TREATMENT
XXXXXX-810-23-5100

	2019	2020	2021	2022	2023	2024	Total
--General--							
717050 - Fuel:	17,458	17,458	17,458	17,458	17,458	17,458	104,747
Diesel -	5,885	5,885	5,885	5,885	5,885	5,885	35,312
Gas -	11,573	11,573	11,573	11,573	11,573	11,573	69,435
718010 - Freight and Transportation:	5,000	5,000	5,000	5,000	5,000	5,000	30,000
717060 - Equipment Expenses:	124,375	124,375	124,375	124,375	124,375	124,375	746,250
Crane -	4,000	4,000	4,000	4,000	4,000	4,000	24,000
Loader -	8,000	8,000	8,000	8,000	8,000	8,000	48,000
Backhoe -	5,000	5,000	5,000	5,000	5,000	5,000	30,000
Cat Dozer -	14,375	14,375	14,375	14,375	14,375	14,375	86,250
Forklift -	2,000	2,000	2,000	2,000	2,000	2,000	12,000
Large Equipment Replacement	75,000	75,000	75,000	75,000	75,000	75,000	450,000
Compressor -	500	500	500	500	500	500	3,000
Onan Small Generator -	500	500	500	500	500	500	3,000
New Generator -	500	500	500	500	500	500	3,000
HDPE Fusion Machines -	1,500	1,500	1,500	1,500	1,500	1,500	9,000
Pump Unit -	4,000	4,000	4,000	4,000	4,000	4,000	24,000
Misc. Equipment Rental -	7,000	7,000	7,000	7,000	7,000	7,000	42,000
All Other Equipment -	2,000	2,000	2,000	2,000	2,000	2,000	12,000
717075 - Vehicle Expenses:	143,000	143,000	143,000	143,000	143,000	85,800	800,800
Vehicle Maintenance and Repair	23,000	23,000	23,000	23,000	23,000	13,800	128,800
Truck Leasing -	108,000	108,000	108,000	108,000	108,000	60,000	600,000
Support Vehicle Leasing -	12,000	12,000	12,000	12,000	12,000	12,000	72,000
610020 - Utilities:	28,142	28,142	28,142	28,142	28,142	28,142	168,852
Electrical Meter 453097200 -	12,650	12,650	12,650	12,650	12,650	12,650	75,900
Electrical Meter 453283402 -	0	0	0	0	0	0	0
Electrical Meter 453283302 -	0	0	0	0	0	0	0
Electrical Meter 606480500 -	132	132	132	132	132	132	792
Natural Gas Meter 0812933 -	15,360	15,360	15,360	15,360	15,360	15,360	92,160
Natural Gas Meter 0814134 -	0	0	0	0	0	0	0
Total	317,975	317,975	317,975	317,975	317,975	260,775	1,850,649
--Tailings Water Management--							
711030 - Water Analysis:	2,760	2,760	2,760	2,760	0	0	11,040
A-list	0	0	0	0	0	0	0
B-list	0	0	0	0	0	0	0
C-list	0	0	0	0	0	0	0
D-list	0	0	0	0	0	0	0
E-list	0	0	0	0	0	0	0
F-list	0	0	0	0	0	0	0
G-list	0	0	0	0	0	0	0
H-list	2,160	2,160	2,160	2,160	0	0	8,640
I-list	0	0	0	0	0	0	0
J-list	0	0	0	0	0	0	0
KPA Samples	600	600	600	600	0	0	2,400

WATER TREATMENT (Cont.)
XXXXXX-810-23-5100

	2019	2020	2021	2022	2023	2024	Total
714010 - Driller costs:	770,000	521,560	0	18,460	0	19,350	1,329,370
New Tailings and Perched Alluvial Wells (5") -	0	0	0	0	0	0	0
New Tailings Wells (2") -	0	0	0	0	0	0	0
Tailings Well Development -	0	0	0	0	0	0	0
5" Tailings Well/Sump Abandonment -	0	374,400	0	15,600	0	0	390,000
2" Tailings Well Abandonment -	0	74,360	0	2,860	0	0	77,220
Perched Alluvial Well Abandonment -	0	72,800	0	0	0	0	72,800
U. Chinle Well Development -	0	0	0	0	0	0	0
U. Chinle Well Abandonment -	0	0	0	0	0	19,350	19,350
Horizontal Drilling costs:							
Blind Horizontal Well Installation -	750,000	0	0	0	0	0	750,000
Continuous Horizontal Well Installation -	0	0	0	0	0	0	0
Horizontal Well Pumping Equipment -	20,000	0	0	0	0	0	20,000
610020 - Utilities:	371	0	0	0	0	0	371
Electrical Meter 453180401 -	371	0	0	0	0	0	371
Electrical Meter 453088900 -	0	0	0	0	0	0	0
Subtotal	773,131	524,320	2,760	21,220	0	19,350	1,340,781
Tailings Collection							
714090 - Outside Services:	0	0	0	0	0	0	0
Electrician -	0	0	0	0	0	0	0
Northwest Geophysical -	0	0	0	0	0	0	0
Surveyor -	0	0	0	0	0	0	0
Pump/motor repair -	0	0	0	0	0	0	0
711040 - Consulting Services:	15,000	15,000	0	0	0	0	30,000
Hydrologist/Engineer -	15,000	15,000	0	0	0	0	30,000
711020 - Parts and Supplies:	27,000	0	0	0	0	0	27,000
Collection Wellhead Materials -	5,000	0	0	0	0	0	5,000
Piping and Fittings -	10,000	0	0	0	0	0	10,000
Valves -	2,000	0	0	0	0	0	2,000
Meters -	5,000	0	0	0	0	0	5,000
Electrical System Parts -	5,000	0	0	0	0	0	5,000
712010 - Pumps:	7,000	0	0	0	0	0	7,000
Submersible Pumps -	7,000	0	0	0	0	0	7,000
Subtotal	49,000	15,000	0	0	0	0	64,000
Toe Drains and Sumps Collection							
711040 - Consulting Services:	5,000	5,000	0	0	0	0	10,000
Hydrologist/Engineer -	5,000	5,000	0	0	0	0	10,000
714090 - Outside Services:	0	0	0	0	0	0	0
Pump/motor repair -	0	0	0	0	0	0	0
Electrician -	0	0	0	0	0	0	0
711020 - Parts and Supplies:	0	0	0	0	0	0	0
Sump Collection Materials -	0	0	0	0	0	0	0
Piping and Fittings -	0	0	0	0	0	0	0
Valves -	0	0	0	0	0	0	0
Meters -	0	0	0	0	0	0	0
Electrical System Parts -	0	0	0	0	0	0	0
712010 - Pumps:	0	0	0	0	0	0	0
Submersible Pumps -	0	0	0	0	0	0	0
Subtotal	5,000	5,000	0	0	0	0	10,000

WATER TREATMENT (Cont.)
XXXXXX-810-23-5100

	2019	2020	2021	2022	2023	2024	Total
Tailings Flushing System							
711040 - Consulting Services:	0	0	0	0	0	0	0
Hydrologist/Engineer -	0	0	0	0	0	0	0
714090 - Outside Services:	0	0	0	0	0	0	0
Electrician -	0	0	0	0	0	0	0
Pump/motor repair -	0	0	0	0	0	0	0
Injection System							
711020 - Parts and Supplies:	0	0	0	0	0	0	0
Injection Wellhead Materials -	0	0	0	0	0	0	0
Piping and Fittings -	0	0	0	0	0	0	0
Valves -	0	0	0	0	0	0	0
Meters -	0	0	0	0	0	0	0
Injection Supply System							
711020 - Parts and Supplies:	0	0	0	0	0	0	0
Collection Wellhead Materials -	0	0	0	0	0	0	0
Piping and Fittings -	0	0	0	0	0	0	0
Valves -	0	0	0	0	0	0	0
Meters -	0	0	0	0	0	0	0
Electrical System Parts -	0	0	0	0	0	0	0
712010 - Pumps:	0	0	0	0	0	0	0
Submersible Pumps -	0	0	0	0	0	0	0
610020 - Utilities:	0	0	0	0	0	0	0
Electrical Meter 453086700 -	0	0	0	0	0	0	0
Electrical Meter 453086800 -	0	0	0	0	0	0	0
Electrical Meter 453096100 -	0	0	0	0	0	0	0
Electrical Meter 453097500 -	0	0	0	0	0	0	0
Electrical Meter 453194300 -	0	0	0	0	0	0	0
Electrical Meter 453181501 -	0	0	0	0	0	0	0
Subtotal	0	0	0	0	0	0	0
Total	827,131	544,320	2,760	21,220	0	19,350	1,414,781
--Groundwater Management--							
711030 - Water Analysis:	176,458	176,458	155,358	134,258	52,940	25,913	721,385
A-list	450	450	450	450	360	360	2,520
B-list	45,000	45,000	33,750	22,500	9,000	6,750	162,000
C-list	0	0	0	0	0	0	0
D-list	0	0	0	0	345	345	690
E-list	0	0	0	0	0	0	0
F-list	39,400	39,400	29,550	19,700	7,880	5,910	141,840
G-list	6,336	6,336	6,336	6,336	1,980	1,485	28,809
H-list	54,000	54,000	54,000	54,000	21,600	6,480	244,080
I-list	8,438	8,438	8,438	8,438	2,250	1,125	37,125
J-list	16,835	16,835	16,835	16,835	6,525	1,958	75,821
Column Tests	0	0	0	0	0	0	0
KPA Samples	6,000	6,000	6,000	6,000	3,000	1,500	28,500
714010 - Driller costs:	1,676,000	12,420	12,420	12,420	895,600	1,360,700	3,969,560
New Alluvial Wells -	357,500	0	0	0	0	0	357,500
Alluvial Well Development -	0	0	0	0	0	0	0
Alluvial Well Abandonment -	0	0	0	0	880,000	880,000	1,760,000
New U. Chinle Wells -	0	0	0	0	0	0	0
U. Chinle Well Development -	1,540	1,540	1,540	1,540	0	0	6,160
U. Chinle Well Abandonment -	0	0	0	0	0	68,800	68,800
New M. Chinle Wells -	11,000	0	0	0	0	0	11,000

WATER TREATMENT (Cont.)
XXXXXX-810-23-5100

	2019	2020	2021	2022	2023	2024	Total
714010 - Driller costs (Cont.):							
M. Chinle Well Development -	3,080	1,540	1,540	1,540	0	0	7,700
M. Chinle Well Abandonment -	0	0	0	0	0	129,000	129,000
New L. Chinle Wells -	22,000	0	0	0	0	0	22,000
L. Chinle Well Development -	3,080	1,540	1,540	1,540	0	0	7,700
L. Chinle Well Abandonment -	0	0	0	0	0	64,500	64,500
San Andres Well Rehab/Replacement -	0	0	0	0	0	0	0
San Andres Well Abandonment -	0	0	0	0	0	195,000	195,000
Drilling Mobilization/Demobilization -	7,800	7,800	7,800	7,800	15,600	23,400	70,200
Horizontal Drilling costs:							
Blind Horizontal Well Installation -	0	0	0	0	0	0	0
Continuous Horizontal Well Installation -	1,250,000	0	0	0	0	0	1,250,000
Horizontal Well Pumping Equipment -	20,000	0	0	0	0	0	20,000
Subtotal	1,852,458	188,878	167,778	146,678	948,540	1,386,613	4,690,945
Groundwater Collection							
714090 - Outside Services:	23,000	23,000	23,000	23,000	0	0	92,000
Electrician -	10,000	10,000	10,000	10,000	0	0	40,000
Continental Divide -	5,000	5,000	5,000	5,000	0	0	20,000
Surveyor -	8,000	8,000	8,000	8,000	0	0	32,000
Northwest Geophysical -	0	0	0	0	0	0	0
711040 - Consulting Services:	60,000	60,000	30,000	30,000	0	0	180,000
Hydrologist/Engineer -	60,000	60,000	30,000	30,000	0	0	180,000
General On-Site							
610020 - Utilities:	77,385	77,385	77,385	77,385	0	0	309,540
Electrical Meter 453180401 -	77,385	77,385	77,385	77,385	0	0	309,540

WATER TREATMENT (Cont.)
XXXXXX-810-23-5100

		2019	2020	2021	2022	2023	2024	Total
General North Off-Site								
610020 - Utilities:		64,367	74,876	26,272	13,699	0	0	179,215
Electrical Meter 453164800 -		0	0	0	0	0	0	0
Electrical Meter 153164900 -		0	0	0	0	0	0	0
Electrical Meter 453171200 -		0	0	0	0	0	0	0
Electrical Meter 453079400 -		0	0	0	0	0	0	0
Electrical Meter 453171500 -		0	0	0	0	0	0	0
Electrical Meter 453165000 -		0	0	0	0	0	0	0
Electrical Meter Composite -		64,367	74,876	26,272	13,699	0	0	179,215
General South Off-Site								
610020 - Utilities:		188,974	178,465	165,704	48,416	0	0	581,558
Electrical Meter 453372500 -		0	0	0	0	0	0	0
Electrical Meter 453370700 -		0	0	0	0	0	0	0
Electrical Meter 453289200 -		0	0	0	0	0	0	0
Electrical Meter 453287400 -		0	0	0	0	0	0	0
Electrical Meter 453287900 -		0	0	0	0	0	0	0
Electrical Meter 453777777 -		0	0	0	0	0	0	0
Electrical Meter Composite -		188,974	178,465	165,704	48,416	0	0	581,558
New Collection Wells - 2012 Permit								
711020 - Parts and Supplies:		96,240	26,240	26,240	26,240	0	0	174,960
Collection Wellhead Materials -		30,000	15,000	15,000	15,000	0	0	75,000
Piping and Fittings -		50,000	2,500	2,500	2,500	0	0	57,500
Valves -		1,000	1,000	1,000	1,000	0	0	4,000
Meters -		240	240	240	240	0	0	960
Electrical System Parts -		15,000	7,500	7,500	7,500	0	0	37,500
712010 - Pumps:		63,000	31,500	31,500	31,500	0	0	157,500
Submersible Pumps -		63,000	31,500	31,500	31,500	0	0	157,500
K-Line								
711020 - Parts and Supplies:		2,320	2,320	0	0	0	0	4,640
Collection Wellhead Materials -		1,000	1,000	0	0	0	0	2,000
Piping and Fittings -		500	500	0	0	0	0	1,000
Valves -		200	200	0	0	0	0	400
Meters -		120	120	0	0	0	0	240
Electrical System Parts -		500	500	0	0	0	0	1,000
712010 - Pumps:		2,100	2,100	0	0	0	0	4,200
Submersible Pumps -		2,100	2,100	0	0	0	0	4,200
610020 - Utilities:		330	330	0	0	0	0	660
Electrical Meter 453183000 -		330	330	0	0	0	0	660
B-Line								
711020 - Parts and Supplies:		2,320	2,320	2,320	2,320	0	0	9,280
Collection Wellhead Materials -		1,000	1,000	1,000	1,000	0	0	4,000
Piping and Fittings -		500	500	500	500	0	0	2,000
Valves -		200	200	200	200	0	0	800
Meters -		120	120	120	120	0	0	480
Electrical System Parts -		500	500	500	500	0	0	2,000
712010 - Pumps:		2,100	2,100	2,100	2,100	0	0	8,400
Submersible Pumps -		2,100	2,100	2,100	2,100	0	0	8,400
D-Line								
711020 - Parts and Supplies:		0	0	0	0	0	0	0
Collection Wellhead Materials -		0	0	0	0	0	0	0
Piping and Fittings -		0	0	0	0	0	0	0
Valves -		0	0	0	0	0	0	0
Meters -		0	0	0	0	0	0	0
Electrical System Parts -		0	0	0	0	0	0	0

WATER TREATMENT (Cont.) XXXXXX-810-23-5100		2019	2020	2021	2022	2023	2024	Total
712010 - Pumps:		0	0	0	0	0	0	0
	Submersible Pumps -	0	0	0	0	0	0	0
<u>S-Line</u>								
711020 - Parts and Supplies:		0	0	0	0	0	0	0
	Collection Wellhead Materials -	0	0	0	0	0	0	0
	Piping and Fittings -	0	0	0	0	0	0	0
	Valves -	0	0	0	0	0	0	0
	Meters -	0	0	0	0	0	0	0
	Electrical System Parts -	0	0	0	0	0	0	0
712010 - Pumps:		0	0	0	0	0	0	0
	Submersible Pumps -	0	0	0	0	0	0	0
610020 - Utilities:		0	0	0	0	0	0	0
	Electrical Meter 453088300 -	0	0	0	0	0	0	0
<u>P-Line</u>								
711020 - Parts and Supplies:		0	0	0	0	0	0	0
	Collection Wellhead Materials -	0	0	0	0	0	0	0
	Piping and Fittings -	0	0	0	0	0	0	0
	Valves -	0	0	0	0	0	0	0
	Meters -	0	0	0	0	0	0	0
	Electrical System Parts -	0	0	0	0	0	0	0
712010 - Pumps:		0	0	0	0	0	0	0
	Submersible Pumps -	0	0	0	0	0	0	0
610020 - Utilities:		330	330	330	0	0	0	990
	Electrical Meter 433985700 -	330	330	330	0	0	0	990
<u>T-Line</u>								
711020 - Parts and Supplies:		4,140	4,140	4,140	0	0	0	12,420
	Collection Wellhead Materials -	2,000	2,000	2,000	0	0	0	6,000
	Piping and Fittings -	500	500	500	0	0	0	1,500
	Valves -	400	400	400	0	0	0	1,200
	Meters -	240	240	240	0	0	0	720
	Electrical System Parts -	1,000	1,000	1,000	0	0	0	3,000
712010 - Pumps:		4,200	4,200	4,200	0	0	0	12,600
	Submersible Pumps -	4,200	4,200	4,200	0	0	0	12,600
<u>L-Line</u>								
711020 - Parts and Supplies:		0	0	0	0	0	0	0
	Collection Wellhead Materials -	0	0	0	0	0	0	0
	Piping and Fittings -	0	0	0	0	0	0	0
	Valves -	0	0	0	0	0	0	0
	Meters -	0	0	0	0	0	0	0
	Electrical System Parts -	0	0	0	0	0	0	0
712010 - Pumps:		0	0	0	0	0	0	0
	Submersible Pumps -	0	0	0	0	0	0	0
610020 - Utilities:		0	0	0	0	0	0	0
	Electrical Meter 453195100 -	0	0	0	0	0	0	0
<u>521, 522, and 639</u>								
711020 - Parts and Supplies:		2,320	0	0	0	0	0	2,320
	Collection Wellhead Materials -	1,000	0	0	0	0	0	1,000
	Piping and Fittings -	500	0	0	0	0	0	500
	Valves -	200	0	0	0	0	0	200
	Meters -	120	0	0	0	0	0	120
	Electrical System Parts -	500	0	0	0	0	0	500
712010 - Pumps:		2,100	0	0	0	0	0	2,100
	Submersible Pumps -	2,100	0	0	0	0	0	2,100
610020 - Utilities:		2,200	2,200	2,200	2,200	0	0	8,800
	Electrical Meter 453196200 -	2,200	2,200	2,200	2,200	0	0	8,800
Subtotal		597,426	491,506	395,391	256,860	0	0	1,741,184

WATER TREATMENT (Cont.) XXXXXX-810-23-5100		2019	2020	2021	2022	2023	2024	Total
Groundwater Injection								
714090 - Outside Services:		2,000	2,000	2,000	2,000	0	0	8,000
Surveyor -		2,000	2,000	2,000	2,000	0	0	8,000
711040 - Consulting Services:		20,000	20,000	20,000	20,000	0	0	80,000
Hydrologist/Engineer -		20,000	20,000	20,000	20,000	0	0	80,000
Deep Wells								
711020 - Parts and Supplies:		5,450	5,450	5,450	5,450	5,450	5,450	32,700
Collection Wellhead Materials -		1,500	1,500	1,500	1,500	1,500	1,500	9,000
Piping and Fittings -		500	500	500	500	500	500	3,000
Valves -		450	450	450	450	450	450	2,700
Meters -		2,000	2,000	2,000	2,000	2,000	2,000	12,000
Electrical System Parts -		1,000	1,000	1,000	1,000	1,000	1,000	6,000
712010 - Pumps:		5,000	5,000	5,000	5,000	5,000	5,000	30,000
Submersible Pumps -		5,000	5,000	5,000	5,000	5,000	5,000	30,000
610020 - Utilities:		29,990	29,990	29,990	29,990	11,418	11,418	142,798
Electrical Meter 453180401 -		28,890	28,890	28,890	28,890	10,318	10,318	136,198
Electrical Meter 453190200 -		1,100	1,100	1,100	1,100	1,100	1,100	6,600
WR-Line								
711020 - Parts and Supplies:		0	0	0	0	0	0	0
Injection Wellhead Materials -		0	0	0	0	0	0	0
Piping and Fittings -		0	0	0	0	0	0	0
Valves -		0	0	0	0	0	0	0
Meters -		0	0	0	0	0	0	0
M-Line								
711020 - Parts and Supplies:		0	0	0	0	0	0	0
Injection Wellhead Materials -		0	0	0	0	0	0	0
Piping and Fittings -		0	0	0	0	0	0	0
Valves -		0	0	0	0	0	0	0
Meters -		0	0	0	0	0	0	0
B-Line								
711020 - Parts and Supplies:		0	0	0	0	0	0	0
Injection Wellhead Materials -		0	0	0	0	0	0	0
Piping and Fittings -		0	0	0	0	0	0	0
Valves -		0	0	0	0	0	0	0
Meters -		0	0	0	0	0	0	0
New Injection Wells - 2012 Permit								
711020 - Parts and Supplies:		86,240	15,990	15,990	15,990	0	0	134,210
Injection Wellhead Materials -		35,000	12,250	12,250	12,250	0	0	71,750
Piping and Fittings -		50,000	2,500	2,500	2,500	0	0	57,500
Valves -		1,000	1,000	1,000	1,000	0	0	4,000
Meters -		240	240	240	240	0	0	960
K-Line								
711020 - Parts and Supplies:		0	0	0	0	0	0	0
Injection Wellhead Materials -		0	0	0	0	0	0	0
Piping and Fittings -		0	0	0	0	0	0	0
Valves -		0	0	0	0	0	0	0
Meters -		0	0	0	0	0	0	0
J-Line								
711020 - Parts and Supplies:		0	0	0	0	0	0	0
Injection Wellhead Materials -		0	0	0	0	0	0	0
Piping and Fittings -		0	0	0	0	0	0	0
Valves -		0	0	0	0	0	0	0
Meters -		0	0	0	0	0	0	0

WATER TREATMENT (Cont.)
XXXXXX-810-23-5100

		2019	2020	2021	2022	2023	2024	Total
<u>X-Line</u>								
	711020 - Parts and Supplies:	0	0	0	0	0	0	0
	Injection Wellhead Materials -	0	0	0	0	0	0	0
	Piping and Fittings -	0	0	0	0	0	0	0
	Valves -	0	0	0	0	0	0	0
	Meters -	0	0	0	0	0	0	0
<u>G-Line</u>								
	711020 - Parts and Supplies:	0	0	0	0	0	0	0
	Injection Wellhead Materials -	0	0	0	0	0	0	0
	Piping and Fittings -	0	0	0	0	0	0	0
	Valves -	0	0	0	0	0	0	0
	Meters -	0	0	0	0	0	0	0
<u>D-Line</u>								
	711020 - Parts and Supplies:	1,840	1,840	1,840	1,840	0	0	7,360
	Injection Wellhead Materials -	700	700	700	700	0	0	2,800
	Piping and Fittings -	500	500	500	500	0	0	2,000
	Valves -	400	400	400	400	0	0	1,600
	Meters -	240	240	240	240	0	0	960
<u>T-Line</u>								
	711020 - Parts and Supplies:	2,510	1,170	1,170	1,170	0	0	6,020
	Injection Wellhead Materials -	1,050	350	350	350	0	0	2,100
	Piping and Fittings -	500	500	500	500	0	0	2,000
	Valves -	600	200	200	200	0	0	1,200
	Meters -	360	120	120	120	0	0	720
<u>S-Line</u>								
	711020 - Parts and Supplies:	1,170	1,170	1,170	1,170	0	0	4,680
	Injection Wellhead Materials -	350	350	350	350	0	0	1,400
	Piping and Fittings -	500	500	500	500	0	0	2,000
	Valves -	200	200	200	200	0	0	800
	Meters -	120	120	120	120	0	0	480
<u>Upper Chinle</u>								
	711020 - Parts and Supplies:	0	0	0	0	0	0	0
	Injection Wellhead Materials -	0	0	0	0	0	0	0
	Piping and Fittings -	0	0	0	0	0	0	0
	Valves -	0	0	0	0	0	0	0
	Meters -	0	0	0	0	0	0	0
<u>Middle Chinle</u>								
	711020 - Parts and Supplies:	0	0	0	0	0	0	0
	Injection Wellhead Materials -	0	0	0	0	0	0	0
	Piping and Fittings -	0	0	0	0	0	0	0
	Valves -	0	0	0	0	0	0	0
	Meters -	0	0	0	0	0	0	0
	Subtotal	154,200	82,610	82,610	82,610	21,868	21,868	445,768
	Total	2,604,084	762,994	645,780	486,149	970,408	1,408,481	6,877,896

WATER TREATMENT (Cont.)
XXXXXX-810-23-5100

	2019	2020	2021	2022	2023	2024	Total
R.O. Plant Operations							
714090 - Outside Services:	18,000	18,000	18,000	18,000	0	0	72,000
Electrician -	8,000	8,000	8,000	8,000	0	0	32,000
Pump/motor repair -	10,000	10,000	10,000	10,000	0	0	40,000
711040 - Consulting Services:	55,000	55,000	55,000	55,000	0	0	220,000
Hydrologist/Engineer -	20,000	20,000	20,000	20,000	0	0	80,000
R.O. Engineer -	20,000	20,000	20,000	20,000	0	0	80,000
Electronics -	15,000	15,000	15,000	15,000	0	0	60,000
610020 - Utilities:	256,572	256,572	256,572	182,797	3,836	1,100	957,449
Electrical Meter 453180503 -	253,836	253,836	253,836	180,061	1,100	1,100	943,769
Natural Gas Meter 0807957 -	2,736	2,736	2,736	2,736	2,736	0	13,680
711020 - Parts and Supplies:	1,208,404	1,208,404	1,208,404	803,172	0	0	4,428,383
Piping and Fittings -	1,000	1,000	1,000	1,000	0	0	4,000
Valves -	4,000	4,000	4,000	4,000	0	0	16,000
Meters -	4,000	4,000	4,000	4,000	0	0	16,000
Computer -	0	0	0	0	0	0	0
Equipment Maintenance/Upgrade -	10,000	10,000	10,000	10,000	0	0	40,000
Instruments -	15,000	15,000	15,000	15,000	0	0	60,000
Filters -	14,700	14,700	14,700	9,065	0	0	53,165
Membranes (LPRO) -	78,048	78,048	78,048	78,048	0	0	312,192
Membranes (HPRO) -	24,990	24,990	24,990	24,990	0	0	99,960
Citric Acid -	524	524	524	524	0	0	2,096
Air Diffusers -	2,000	2,000	2,000	2,000	0	0	8,000
Caustic Soda -	504,000	504,000	504,000	310,800	0	0	1,822,800
Sulfuric Acid -	300,000	300,000	300,000	185,000	0	0	1,085,000
Anti-Scalent -	16,848	16,848	16,848	10,390	0	0	60,934
Lime (Bulk) -	218,400	218,400	218,400	134,680	0	0	789,880
Muriatic Acid -	3,178	3,178	3,178	1,959	0	0	11,492
Membrane Cleaner -	5,716	5,716	5,716	5,716	0	0	22,864
Building / Facility -	2,000	2,000	2,000	2,000	0	0	8,000
Heating / AC -	2,000	2,000	2,000	2,000	0	0	8,000
Electrical -	20,000	20,000	20,000	20,000	0	0	80,000
712010 - Pumps/Starters:	20,000	20,000	20,000	20,000	0	0	80,000
Pumps -	20,000	20,000	20,000	20,000	0	0	80,000
711030 - Water Analysis:	32,782	32,782	16,746	16,746	0	0	99,056
A-list	0	0	0	0	0	0	0
B-list	11,250	11,250	2,700	2,700	0	0	27,900
C-list	0	0	0	0	0	0	0
D-list	0	0	0	0	0	0	0
E-list	0	0	0	0	0	0	0
F-list	9,850	9,850	2,364	2,364	0	0	24,428
G-list	2,772	2,772	2,772	2,772	0	0	11,088
H-list	5,400	5,400	5,400	5,400	0	0	21,600
I-list	0	0	0	0	0	0	0
J-list	2,610	2,610	2,610	2,610	0	0	10,440
KPA Samples	900	900	900	900	0	0	3,600
Total	1,590,758	1,590,758	1,574,722	1,095,715	3,836	1,100	5,856,888

WATER TREATMENT (Cont.) XXXXXX-810-23-5100		2019	2020	2021	2022	2023	2024	Total
Expanded R.O. Water Treatment								
714090 - Outside Services:		5,000	5,000	5,000	5,000	0	0	20,000
R.O. System Upgrade Placeholder -		0	0	0	0	0	0	0
Pump/motor repair -		5,000	5,000	5,000	5,000	0	0	20,000
Power Supply Upgrade Placeholder -		0	0	0	0	0	0	0
711040 - Consulting Services:		25,000	25,000	25,000	25,000	0	0	100,000
Hydrologist/Engineer -		5,000	5,000	5,000	5,000	0	0	20,000
R.O. Engineer -		5,000	5,000	5,000	5,000	0	0	20,000
Electronics -		15,000	15,000	15,000	15,000	0	0	60,000
711020 - Parts and Supplies:		1,194,479	1,194,479	1,194,479	789,247	0	0	4,372,683
Piping and Fittings -		1,000	1,000	1,000	1,000	0	0	4,000
Valves -		4,000	4,000	4,000	4,000	0	0	16,000
Meters -		4,000	4,000	4,000	4,000	0	0	16,000
Computer -		0	0	0	0	0	0	0
Equipment Maintenance/Upgrade -		10,000	10,000	10,000	10,000	0	0	40,000
Instruments -		15,000	15,000	15,000	15,000	0	0	60,000
Filters -		14,700	14,700	14,700	9,065	0	0	53,165
Membranes (LPRO) -		50,406	50,406	50,406	50,406	0	0	201,624
Membranes (HPRO) -		16,660	16,660	16,660	16,660	0	0	66,640
Citric Acid -		0	0	0	0	0	0	0
Air Diffusers -		2,000	2,000	2,000	2,000	0	0	8,000
Caustic Soda -		504,000	504,000	504,000	310,800	0	0	1,822,800
Sulfuric Acid -		300,000	300,000	300,000	185,000	0	0	1,085,000
Anti-Scalent -		16,848	16,848	16,848	10,390	0	0	60,934
Lime (Bulk) -		218,400	218,400	218,400	134,680	0	0	789,880
Muratic Acid -		3,178	3,178	3,178	1,959	0	0	11,492
Liquid Citric Acid or Other Cleaner -		24,000	24,000	24,000	24,000	0	0	96,000
Membrane Cleaner -		4,287	4,287	4,287	4,287	0	0	17,148
Building / Facility -		2,000	2,000	2,000	2,000	0	0	8,000
Heating / AC -		2,000	2,000	2,000	2,000	0	0	8,000
Electrical -		2,000	2,000	2,000	2,000	0	0	8,000
711030 - Water Analysis:		20,662	20,662	20,662	20,662	0	0	82,648
A-list		0	0	0	0	0	0	0
B-list		4,500	4,500	4,500	4,500	0	0	18,000
C-list		0	0	0	0	0	0	0
D-list		0	0	0	0	0	0	0
E-list		0	0	0	0	0	0	0
F-list		3,940	3,940	3,940	3,940	0	0	15,760
G-list		4,950	4,950	4,950	4,950	0	0	19,800
H-list		3,240	3,240	3,240	3,240	0	0	12,960
I-list		0	0	0	0	0	0	0
J-list		3,132	3,132	3,132	3,132	0	0	12,528
KPA Samples		900	900	900	900	0	0	3,600
610020 - Utilities:		398,142	398,142	398,142	292,291	4,936	4,936	1,496,589
Electrical Meter -		253,836	253,836	253,836	180,061	1,100	1,100	943,769
High Pressure RO Electrical Consumption -		141,570	141,570	141,570	109,494	1,100	1,100	536,404
Natural Gas		2,736	2,736	2,736	2,736	2,736	2,736	16,416
Total		1,643,283	1,643,283	1,643,283	1,132,200	4,936	4,936	6,071,920

WATER TREATMENT (Cont.)
XXXXXX-810-23-5100

	2019	2020	2021	2022	2023	2024	Total
Zeolite Water Treatment							
714090 - Outside Services:	0	0	0	0	0	0	0
Electrician -	0	0	0	0	0	0	0
711040 - Consulting Services:	70,000	70,000	70,000	50,000	0	0	260,000
Water Treatment Specialist -	50,000	50,000	50,000	30,000	0	0	180,000
Engineer -	20,000	20,000	20,000	20,000	0	0	80,000
711020 - Parts and Supplies:	729,200	729,200	729,200	729,200	0	0	2,916,800
Piping and Fittings -	5,000	5,000	5,000	5,000	0	0	20,000
Valves -	0	0	0	0	0	0	0
Meters -	1,000	1,000	1,000	1,000	0	0	4,000
Instruments -	2,000	2,000	2,000	2,000	0	0	8,000
Data Control Equipment -	0	0	0	0	0	0	0
Sulfuric Acid -	720,000	720,000	720,000	720,000	0	0	2,880,000
Placeholder Consumable -	0	0	0	0	0	0	0
Acid Metering Pumps -	1,200	1,200	1,200	1,200	0	0	4,800
711030 - Water Analysis:	59,190	59,190	59,190	59,190	0	0	236,760
A-list	0	0	0	0	0	0	0
B-list	13,500	13,500	13,500	13,500	0	0	54,000
C-list	0	0	0	0	0	0	0
D-list	0	0	0	0	0	0	0
E-list	0	0	0	0	0	0	0
F-list	11,820	11,820	11,820	11,820	0	0	47,280
G-list	14,850	14,850	14,850	14,850	0	0	59,400
H-list	10,800	10,800	10,800	10,800	0	0	43,200
I-list	0	0	0	0	0	0	0
J-list	5,220	5,220	5,220	5,220	0	0	20,880
KPA Samples	3,000	3,000	3,000	3,000	0	0	12,000
610020 - Utilities:	11,000	11,000	11,000	11,000	0	0	44,000
Electrical Meter -	11,000	11,000	11,000	11,000	0	0	44,000
Natural Gas	0	0	0	0	0	0	0
Total	869,390	869,390	869,390	849,390	0	0	3,457,560

Alternate Remediation Testing

714090 - Outside Services:	0	0	0	0	0	0	0
Electrician -	0	0	0	0	0	0	0
711040 - Consulting Services:	0	0	0	0	0	0	0
Water Treatment Specialist -	0	0	0	0	0	0	0
Engineer -	0	0	0	0	0	0	0
711020 - Parts and Supplies:	0	0	0	0	0	0	0
Piping and Fittings -	0	0	0	0	0	0	0
Valves -	0	0	0	0	0	0	0
Meters -	0	0	0	0	0	0	0

WATER TREATMENT (Cont.)
XXXXXX-810-23-5100

	2019	2020	2021	2022	2023	2024	Total
711020 - Parts and Supplies (Cont.):							
Instruments -	0	0	0	0	0	0	0
Data Control Equipment -	0	0	0	0	0	0	0
Placeholder Consumable -	0	0	0	0	0	0	0
Placeholder Consumable -	0	0	0	0	0	0	0
712010 - Pumps:	0	0	0	0	0	0	0
Pumps -	0	0	0	0	0	0	0
711030 - Water Analysis:	0	0	0	0	0	0	0
A-list	0	0	0	0	0	0	0
B-list	0	0	0	0	0	0	0
C-list	0	0	0	0	0	0	0
D-list	0	0	0	0	0	0	0
E-list	0	0	0	0	0	0	0
F-list	0	0	0	0	0	0	0
G-list	0	0	0	0	0	0	0
H-list	0	0	0	0	0	0	0
I-list	0	0	0	0	0	0	0
J-list	0	0	0	0	0	0	0
KPA Samples	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

--Evaporation System Management--

714090 - Outside Services:	8,550,000	50,000	50,000	50,000	30,000	14,000	8,744,000
Electrician -	10,000	10,000	10,000	10,000	10,000	4,000	54,000
Pump/motor Repair -	20,000	20,000	20,000	20,000	20,000	10,000	110,000
Liner Repair -	8,520,000	20,000	20,000	20,000	0	0	8,580,000
Electrical Power Repair	0	0	0	0	0	0	0
711040 - Consulting Services:	40,000	40,000	40,000	40,000	30,000	0	190,000
Hydrologist/Engineer -	20,000	20,000	20,000	20,000	10,000	0	90,000
Odor Control -	20,000	20,000	20,000	20,000	20,000	0	100,000
711030 - Water Analysis:	21,350	21,350	12,910	12,910	0	0	68,520
A-list	0	0	0	0	0	0	0
B-list	9,000	9,000	4,500	4,500	0	0	27,000
C-list	0	0	0	0	0	0	0
D-list	0	0	0	0	0	0	0
E-list	0	0	0	0	0	0	0
F-list	7,880	7,880	3,940	3,940	0	0	23,640
G-list	0	0	0	0	0	0	0
H-list	4,320	4,320	4,320	4,320	0	0	17,280
I-list	0	0	0	0	0	0	0
J-list	0	0	0	0	0	0	0
KPA Samples	150	150	150	150	0	0	600
610020 - Utilities:	300,480	300,480	300,480	300,480	300,480	0	1,502,399
Electrical Meter 453180401 -	300,480	300,480	300,480	300,480	300,480	0	1,502,399
Subtotal	8,911,830	411,830	403,390	403,390	360,480	14,000	10,504,919

East Collection Pond

711020 - Parts and Supplies:	83,640	83,640	83,640	83,640	83,640	0	418,200
Piping and Fittings -	2,000	2,000	2,000	2,000	2,000	0	10,000
Copper Sulfate (East Pond) -	73,400	73,400	73,400	73,400	73,400	0	367,000
Citric Acid (East Pond) -	5,240	5,240	5,240	5,240	5,240	0	26,200
Valves -	1,000	1,000	1,000	1,000	1,000	0	5,000
Meters -	2,000	2,000	2,000	2,000	2,000	0	10,000
Subtotal	83,640	83,640	83,640	83,640	83,640	0	418,200

West Collection Pond

711020 - Parts and Supplies:	83,640	83,640	83,640	83,640	83,640	0	418,200
Piping and Fittings -	2,000	2,000	2,000	2,000	2,000	0	10,000
Copper Sulfate (West Pond) -	73,400	73,400	73,400	73,400	73,400	0	367,000
Citric Acid (West Pond) -	5,240	5,240	5,240	5,240	5,240	0	26,200
Sludge Transfer Materials-	0	0	0	0	0	0	0
Valves -	1,000	1,000	1,000	1,000	1,000	0	5,000
Meters -	2,000	2,000	2,000	2,000	2,000	0	10,000
Subtotal	83,640	83,640	83,640	83,640	83,640	0	418,200

WATER TREATMENT (Cont.)
XXXXXX-810-23-5100

No. 1 Evaporation Pond

	2019	2020	2021	2022	2023	2024	Total
711020 - Parts and Supplies:	126,169	126,169	126,169	126,169	126,169	0	630,845
Piping and Fittings -	2,000	2,000	2,000	2,000	2,000	0	10,000
Spray Nozzles -	1,280	1,280	1,280	1,280	1,280	0	6,400
Valves -	1,000	1,000	1,000	1,000	1,000	0	5,000
Meters -	2,000	2,000	2,000	2,000	2,000	0	10,000
Citric Acid -	7,860	7,860	7,860	7,860	7,860	0	39,300
Copper Sulfate -	110,100	110,100	110,100	110,100	110,100	0	550,500
Nozzle for Turbo-Mist Unit -	1,929	1,929	1,929	1,929	1,929	0	9,645
712100 - Pumps:	162,000	162,000	12,000	12,000	12,000	0	360,000
Turbo-Mist Unit -	150,000	150,000	0	0	0	0	300,000
Centrifugal Pumps -	5,000	5,000	5,000	5,000	5,000	0	25,000
Centrifugal Pump Parts -	2,000	2,000	2,000	2,000	2,000	0	10,000
Pump and Motor Repair for Turbo-Mist -	5,000	5,000	5,000	5,000	5,000	0	25,000
Subtotal	288,169	288,169	138,169	138,169	138,169	0	990,845

No. 2 & No. 3 Evaporation Ponds

711020 - Parts and Supplies:	130,520	130,520	130,520	130,520	130,520	0	652,600
Piping and Fittings (Pond 2) -	2,000	2,000	2,000	2,000	2,000	0	10,000
Spray Nozzles (Pond 2) -	1,280	1,280	1,280	1,280	1,280	0	6,400
Valves (Pond 2) -	1,000	1,000	1,000	1,000	1,000	0	5,000
Meters (Pond 2) -	2,000	2,000	2,000	2,000	2,000	0	10,000
Citric Acid (Pond 2) -	7,860	7,860	7,860	7,860	7,860	0	39,300
Copper Sulfate (Pond 2) -	110,100	110,100	110,100	110,100	110,100	0	550,500
Piping and Fittings (Pond 3) -	2,000	2,000	2,000	2,000	2,000	0	10,000
Spray Nozzles (Pond 3) -	1,280	1,280	1,280	1,280	1,280	0	6,400
Valves (Pond 3) -	1,000	1,000	1,000	1,000	1,000	0	5,000
Meters (Pond 3) -	2,000	2,000	2,000	2,000	2,000	0	10,000
Citric Acid (Pond 3) -	0	0	0	0	0	0	0
Copper Sulfate (Pond 3) -	0	0	0	0	0	0	0
712100 - Pumps:	14,000	14,000	14,000	14,000	14,000	0	70,000
Centrifugal Pumps (Pond 2) -	5,000	5,000	5,000	5,000	5,000	0	25,000
Centrifugal Pump Parts (Pond 2) -	2,000	2,000	2,000	2,000	2,000	0	10,000
Centrifugal Pumps (Pond 3) -	5,000	5,000	5,000	5,000	5,000	0	25,000
Centrifugal Pump Parts (Pond 3) -	2,000	2,000	2,000	2,000	2,000	0	10,000
Subtotal	144,520	144,520	144,520	144,520	144,520	0	722,600
Total	9,511,799	1,011,799	853,359	853,359	810,449	14,000	13,054,764

--Land Application Area Management and Closure--

714090 - Outside Services:	24,000	24,000	20,000	20,000	0	0	88,000
Electrician -	4,000	4,000	0	0	0	0	8,000
Continental Divide -	0	0	0	0	0	0	0
Surveying -	0	0	0	0	0	0	0
Vegetation and Field Maintenance -	20,000	20,000	20,000	20,000	0	0	80,000
Pump/motor Repair -	0	0	0	0	0	0	0
711040 - Consulting Services:	0	0	0	0	0	0	0
Hydrologist/Engineer -	0	0	0	0	0	0	0
Other -	0	0	0	0	0	0	0
711020 - Parts and Supplies:	7,708	7,708	7,708	7,708	0	0	30,832
Agricultural Equipment Maintenance -	5,000	5,000	5,000	5,000	0	0	20,000
Agricultural Equipment Fuel -	458	458	458	458	0	0	1,832
Lubricants -	250	250	250	250	0	0	1,000
Permanent Vegetation Seed -	0	0	0	0	0	0	0
Cereal Grains -	0	0	0	0	0	0	0
Fertilizer -	0	0	0	0	0	0	0
Fencing -	2,000	2,000	2,000	2,000	0	0	8,000
718030 - Vegetation Analysis:	705	705	705	705	0	0	2,820
718030 - Soil Analysis:	11,025	11,025	11,025	11,025	0	0	44,100
711030 - Water Analysis:	4,649	4,649	4,649	4,649	0	0	18,594
A-list	0	0	0	0	0	0	0
B-list	675	675	675	675	0	0	2,700
C-list	0	0	0	0	0	0	0

WATER TREATMENT (Cont.)
 XXXXXX-810-23-5100

711030 - Water Analysis (Cont.):

	2019	2020	2021	2022	2023	2024	Total
D-list	0	0	0	0	0	0	0
E-list	0	0	0	0	0	0	0
F-list	591	591	591	591	0	0	2,364
G-list	396	396	396	396	0	0	1,584
H-list	1,080	1,080	1,080	1,080	0	0	4,320
I-list	563	563	563	563	0	0	2,250
J-list	1,044	1,044	1,044	1,044	0	0	4,176
KPA Samples	300	300	300	300	0	0	1,200
Subtotal	48,087	48,087	44,087	44,087	0	0	184,346

Section 34 Land Application Area

Section 34 Land Application Closure

714090 - Outside Services:	0	0	0	0	0	0	0
Irrigation Systems and Equipment Removal -	0	0	0	0	0	0	0
Soil Grading and Stabilization	0	0	0	0	0	0	0
Equipment Disposal -	0	0	0	0	0	0	0

WATER TREATMENT (Cont.)
 XXXXXX-810-23-5100

2019	2020	2021	2022	2023	2024	Total
------	------	------	------	------	------	-------

Section 28 Land Application Area

Section 28 Land Application Closure

714090 - Outside Services:	0	0	0	0	0	0	0
Irrigation Systems and Equipment Removal -	0	0	0	0	0	0	0
Soil Grading and Stabilization	0	0	0	0	0	0	0
Equipment Disposal -	0	0	0	0	0	0	0

Section 33 Land Application Area

Section 33 Land Application Closure

714090 - Outside Services:	0	0	0	0	0	0	0
Irrigation Systems and Equipment Removal -	0	0	0	0	0	0	0
Soil Grading and Stabilization	0	0	0	0	0	0	0
Equipment Disposal -	0	0	0	0	0	0	0

Subtotal	0	0	0	0	0	0	0
----------	---	---	---	---	---	---	---

Total	48,087	48,087	44,087	44,087	0	0	184,346
-------	--------	--------	--------	--------	---	---	---------

Total Water Treatment	17,412,506	6,788,604	5,951,354	4,800,094	2,107,604	1,708,641	38,768,803
-----------------------	------------	-----------	-----------	-----------	-----------	-----------	------------

MONITORING/REGULATORY
XXXXXX-810-23-5200

	2019	2020	2021	2022	2023	2024	Total
--General--							
718900 - NRC Fees:	150,000	150,000	150,000	150,000	150,000	150,000	900,000
718025 - Permitting Fees:	5,000	5,000	5,000	5,000	5,000	5,000	30,000
711040 - Consulting Services:	1,030,000	630,000	550,000	550,000	490,000	270,000	3,520,000
Annual Report-	60,000	60,000	60,000	60,000	20,000	20,000	280,000
CAP-	600,000	200,000	0	0	0	0	800,000
ACL-	0	0	200,000	200,000	100,000	0	500,000
Numerical Modeling-	80,000	80,000	0	0	0	0	160,000
ALARA Consulting -	20,000	20,000	20,000	20,000	20,000	20,000	120,000
General Consulting -	10,000	10,000	10,000	10,000	10,000	10,000	60,000
DOE Reporting -	20,000	20,000	20,000	20,000	20,000	20,000	120,000
DIP Renewal -	0	0	0	0	0	0	0
EPA Oversight-	80,000	80,000	80,000	80,000	160,000	40,000	520,000
Radiological Consulting and RSO services-	160,000	160,000	160,000	160,000	160,000	160,000	960,000
Placeholder Consulting -	0	0	0	0	0	0	0
Total	1,185,000	785,000	705,000	705,000	645,000	425,000	4,450,000
--Air / Weather Monitoring--							
714090 - Outside Services:	11,000	11,000	11,000	11,000	11,000	11,000	66,000
711020 - Parts and Supplies:	500	500	500	500	500	500	3,000
610020 - Utilities:	4,840	4,840	4,840	4,840	4,840	4,840	29,040
Electrical Meter 453184000 -	4,840	4,840	4,840	4,840	4,840	4,840	29,040
Total	16,340	16,340	16,340	16,340	16,340	16,340	98,040
--Radiation Monitoring--							
714090 - Outside Services:	10,000	10,000	10,000	10,000	6,000	6,000	52,000
711020 - Parts and Supplies:	24,244	24,244	24,244	24,244	24,244	24,244	145,464
Bioassay Sample Bottles -	236	236	236	236	236	236	1,416
High Vol Filters -	1,388	1,388	1,388	1,388	1,388	1,388	8,328
High Vol Parts -	6,000	6,000	6,000	6,000	6,000	6,000	36,000
Lab Instrument Parts -	1,000	1,000	1,000	1,000	1,000	1,000	6,000
OSL Badges -	12,000	12,000	12,000	12,000	12,000	12,000	72,000
Radon Cup -	3,120	3,120	3,120	3,120	3,120	3,120	18,720
Miscellaneous Parts -	500	500	500	500	500	500	3,000
718030 - Lab Fees:	38,048	38,048	38,048	38,048	38,048	38,048	228,288
Bioassay Samples -	16,000	16,000	16,000	16,000	16,000	16,000	96,000
High Vol Samples -	8,320	8,320	8,320	8,320	8,320	8,320	49,920
Radon Cup Analysis -	13,728	13,728	13,728	13,728	13,728	13,728	82,368
610020 - Utilities:	4,092	4,092	4,092	4,092	4,092	4,092	24,552
Electrical Meter 433983700 -	682	682	682	682	682	682	4,092
Electrical Meter 453094400 -	682	682	682	682	682	682	4,092
Electrical Meter 600986000 -	682	682	682	682	682	682	4,092
Electrical Meter 453280400 -	682	682	682	682	682	682	4,092
Electrical Meter 600095200 -	682	682	682	682	682	682	4,092
Electrical Meter 453191600 -	682	682	682	682	682	682	4,092
711040 - Radiation Training:	3,000	3,000	3,000	3,000	3,000	3,000	18,000
Annual Radiation Refresher -	2,000	2,000	2,000	2,000	2,000	2,000	12,000
Employee Radiation Training -	1,000	1,000	1,000	1,000	1,000	1,000	6,000
Total	79,384	79,384	79,384	79,384	75,384	75,384	468,304

GRAND PROJECT
 Closure Cost Estimate
 Estimated Costs Per Year
 2019 Through Completion

MONITORING/REGULATORY (Cont.)
 XXXXXX-810-23-5200

—Settlement Monument Monitoring—

	2019	2020	2021	2022	2023	2024	Total
714090 - Outside Services:							
Surveying -	10,000	10,000	10,000	10,000	10,000	5,000	55,000
Report Development -	0	0	0	0	0	0	0
Total	10,000	10,000	10,000	10,000	10,000	5,000	55,000
Total Monitoring/Regulatory	1,290,724	890,724	810,724	810,724	746,724	521,724	5,071,344

HOLDING XXXXXX-811-23-5300		2019	2020	2021	2022	2023	2024	Total
--Land--								
790060 - Land Purchase:		0	0	0	0	0	0	0
790090 - Land Rental:		0	0	0	0	0	0	0
790110 - Title Commitment Policy:		0	0	0	0	0	0	0
790010 - Appraisal :		0	0	0	0	0	0	0
790120 - Land Improvements:		6,000	6,000	6,000	6,000	6,000	6,000	36,000
Fencing -		2,000	2,000	2,000	2,000	2,000	2,000	12,000
Water Development -		2,000	2,000	2,000	2,000	2,000	2,000	12,000
Clean-up -		2,000	2,000	2,000	2,000	2,000	2,000	12,000
623010 - Property Tax:		25,000	25,000	25,000	25,000	25,000	25,000	150,000
790120 - Surveying / Mapping:		15,000	15,000	15,000	15,000	15,000	15,000	90,000
Total Holding		46,000	46,000	46,000	46,000	46,000	46,000	276,000
SECURITY AND MAINTENANCE XXXXXX-811-23-5400		2019	2020	2021	2022	2023	2024	Total
--Land and Structures--								
717030 - Surveillance:		4,000	4,000	4,000	4,000	4,000	4,000	24,000
Total Security/Maintenance		4,000	4,000	4,000	4,000	4,000	4,000	24,000
SEVERANCE AND RELOCATION XXXXXX-XXX-XX-XXXX		2019	2020	2021	2022	2023	2024	Total
--Severance and Relocation--								
xxxxxx - Severance and Relocation:		0	0	0	0	0	0	0
Total Severance/Relocation		0	0	0	0	0	0	0

GENERAL AND ADMIN.
XXXXXX-811-23-5500

	2019	2020	2021	2022	2023	2024	Total
--Salaries and Benefits--							
Managerial							
600000 - General Salaries - Closure Manager	121,000	121,000	121,000	121,000	121,000	121,000	726,000
600040 - Benefits - Closure Manager	54,450	54,450	54,450	54,450	54,450	54,450	326,700
600000 - General Salaries - Proj. Hydrogeologist	110,000	110,000	110,000	110,000	110,000	110,000	660,000
600040 - Benefits - Proj. Hydrogeologist	49,500	49,500	49,500	49,500	49,500	49,500	297,000
600000 - General Salaries - Engineer	110,000	110,000	110,000	110,000	110,000	110,000	660,000
600040 - Benefits - Engineer	49,500	49,500	49,500	49,500	49,500	49,500	297,000
600000 - General Salaries - Compliance	110,000	110,000	110,000	110,000	110,000	110,000	660,000
600040 - Benefits - Compliance	49,500	49,500	49,500	49,500	49,500	49,500	297,000
600000 - General Salaries - Community Relations	82,500	82,500	82,500	82,500	82,500	82,500	495,000
600040 - Benefits - Community Relations	37,125	37,125	37,125	37,125	37,125	37,125	222,750
Foreman and Technical							
600001 - GW Salaries - Project Foreman	88,000	88,000	88,000	88,000	88,000	88,000	528,000
600040 - Benefits - Project Foreman	39,600	39,600	39,600	39,600	39,600	39,600	237,600
600001 - GW Salaries - Env. Technicians	330,000	330,000	330,000	330,000	220,000	110,000	1,650,000
600040 - Benefits - Env. Technicians	148,500	148,500	148,500	148,500	99,000	49,500	742,500
600001 - GW Salaries - Admin. Asst.	44,000	44,000	44,000	44,000	44,000	44,000	264,000
600040 - Benefits - Admin. Asst.	19,800	19,800	19,800	19,800	19,800	19,800	118,800
Overtime							
600001 - Employee Overtime	88,000	77,000	77,000	66,000	55,000	22,000	385,000
Other							
600050 - Temporary Labor:	247,500	247,500	247,500	247,500	0	0	990,000
601060 - Workman's Compensation:	0	0	0	0	0	0	0
601130 - Memberships:	16,400	16,400	16,400	16,400	16,400	16,400	98,400
601140 - Seminars and Training:	5,000	5,000	5,000	5,000	5,000	5,000	30,000
603000 - Employee Relations:	5,000	5,000	5,000	5,000	5,000	5,000	30,000
Total	1,805,375	1,794,375	1,794,375	1,783,375	1,365,375	1,172,875	9,715,750
--General Office Costs--							
622000 - Stationary & Supplies:	15,000	15,000	15,000	15,000	15,000	15,000	90,000
622040 - Publications & Subscriptions:	0	0	0	0	0	0	0
622050 - Miscellaneous:	1,500	1,500	1,500	1,500	1,500	1,500	9,000
622070 - Lunch / Dinners:	0	0	0	0	0	0	0
Community Relations:	54,000	54,000	54,000	54,000	54,000	54,000	324,000
Total	70,500	70,500	70,500	70,500	70,500	70,500	423,000
--Occupancy Costs--							
610030 - Office - Other:	14,300	14,300	14,300	14,300	14,300	14,300	85,800
Total	14,300	14,300	14,300	14,300	14,300	14,300	85,800
--Communication Costs--							
620010 - Telecommunications:	15,400	15,400	15,400	15,400	15,400	15,400	92,400
620060 - Postage:	18,700	18,700	18,700	18,700	18,700	18,700	112,200
Total	34,100	34,100	34,100	34,100	34,100	34,100	204,600
--Data Processing Costs--							
621000 - Equipment Rental / Leases:	14,300	14,300	14,300	14,300	14,300	14,300	85,800
Total	14,300	14,300	14,300	14,300	14,300	14,300	85,800
--Taxes, Licenses, and Fees--							
623000 - Office - Other:	330	330	330	330	330	330	1,980
Total	330	330	330	330	330	330	1,980
--Insurance--							
624040 - Insurance:	26,400	26,400	26,400	26,400	26,400	26,400	158,400
Total	26,400	26,400	26,400	26,400	26,400	26,400	158,400

GENERAL AND ADMIN. (Cont.)
XXXXXX-811-23-5500

	2019	2020	2021	2022	2023	2024	Total
--Travel and Accommodation--							
640000 - Travel - Air:	5,000	5,000	5,000	5,000	5,000	5,000	30,000
640020 - Travel - Accommodation:	5,000	5,000	5,000	5,000	5,000	5,000	30,000
640030 - Travel - Taxis:	2,000	2,000	2,000	2,000	2,000	2,000	12,000
640050 - Travel - Gas:	8,000	8,000	8,000	8,000	8,000	8,000	48,000
640060 - Travel - Meals:	1,000	1,000	1,000	1,000	1,000	1,000	6,000
Meals and Entertainment	5,000	5,000	5,000	5,000	5,000	5,000	30,000
Total	26,000	26,000	26,000	26,000	26,000	26,000	156,000
--Professional Fees--							
670000 - Legal Fees:	15,000	15,000	15,000	15,000	15,000	15,000	90,000
Total	15,000	15,000	15,000	15,000	15,000	15,000	90,000
--Outside Services--							
714090 - General Outside Services	41,000	41,000	41,000	41,000	20,000	5,000	189,000
Worker's Comp. Admin.	0	0	0	0	0	0	0
IT Consulting Services	36,000	36,000	36,000	36,000	15,000	0	159,000
Misc. (Grants Clinic)	5,000	5,000	5,000	5,000	5,000	5,000	30,000
Total	41,000	41,000	41,000	41,000	20,000	5,000	189,000
Total General/Admin.	2,047,305	2,036,305	2,036,305	2,025,305	1,586,305	1,378,805	11,110,330
Grand Total	20,850,535	9,815,633	8,898,383	7,736,123	13,098,105	11,372,034	71,770,814

MISCELLANEOUS INCOME
XXXXXX-XXX-XX-XXXX

	2019	2020	2021	2022	2023	2024	Total
--Misc. Income--							
499000 - Misc. Income:	0	0	0	0	0	0	0
Total Misc. Income.	0	0	0	0	0	0	0

TAILINGS FACILITY CLOSURE / RECLAMATION
XXXXXX-810-23-3600

	COST ADJUSTMENT PERCENTAGE						
		2019	2020	2021	2022	2023	2024
711040 - Consulting:							
Large Tailings Pile Closure -	NA	These services are provided by third party contractors and include all costs to be paid to contractor. Any profit or additional costs for management of the contractors is included in the salaries and administrative section.					
Final Closure and Demolition (R.O. Plant, Small Tailings Piles, E. and W. Collection ponds and No. 1, No. 2 and No. 3 Evap.	NA						
Review of Physical Reclamation	NA						
714090 - Outside Services:							
Large Tailings Pile Closure -	NA	These services are provided by third party contractors and include all cost to be paid to contractor. Any profit or additional costs for management of the contractors is included in the salaries and administrative section.					
Current Reclamation Repairs	NA						
Pond Closure-	NA						
Small Tailings Pile Closure -	NA						
R.O. Plant Demolition -	NA						
Radiological Survey and Environmental Monitoring -	NA						

ON-SITE DEMOLITION
XXXXXX-810-23-3300

	COST ADJUSTMENT PERCENTAGE						
		2019	2020	2021	2022	2023	2024
711040 - Consulting:							
Engineering Design / QAQC -	NA	Consulting and demolition services are provided by third party contractors and include all costs to be paid to contractor.					
714090 - Outside Services:							
Demolition / Cleanup -	NA						

GRANT PROJECT
Closure Cost Estimate
Comments and Profit
2019 Through Completion

WATER TREATMENT XXXXXX-810-23-5100		COST ADJUSTMENT PERCENTAGE	2019	2020	2021	2022	2023	2024
--General--								
717050 - Fuel:								
	Diesel -	NA	Diesel costs paid directly to supplier - no additional costs involved.					
	Gas -	NA	Gasoline costs paid directly to supplier - no additional costs involved.					
718010 - Freight and Transportation:		NA	Freight and Transportation - no additional costs involved.					
717060 - Equipment Expenses:								
	Crane -	NA	Contract crane service - estimated use two days per year.					
	Loader -	NA	Loader maintained on site for occasional usage. Estimated usage less than 500 hours/year.					
	Backhoe -	NA	Backhoe maintained on site for occasional usage. Estimated usage less than 500 hours/year.					
	Cat Dozer -	NA	Dozer leased for one month per year.					
	Forklift -	NA	Forklift used for loading and unloading equipment. Estimated usage less than 500 hours/year.					
	Large Equipment Replacement	NA	Includes costs for replacing or possibly refurbishing/overhauling loader, backhoe or forklift.					
	Compressor -	NA	General usage air compressor - prorated maintenance and/or replacement.					
	Onan Small Generator -	NA	General usage generator - prorated maintenance and/or replacement.					
	New Generator -	NA	General usage generator - prorated maintenance and/or replacement.					
	HDPE Fusion Machines -	NA	HDPE fusion machines - prorated maintenance and/or replacement.					
	Pump Unit -	NA	Pump unit for sampling or testing - prorated rental or lease.					
	Misc. Equipment Rental -	NA	Estimated additional equipment rental.					
	All Other Equipment -	NA	Miscellaneous equipment costs.					
717075 - Vehicle Expenses:								
	Vehicle Maintenance and Repair	NA	General vehicle maintenance costs.					
	Truck Leasing -	NA	Site pickup leasing costs.					
	Support Vehicle Leasing -	NA	Support vehicle leasing costs.					
610020 - Utilities:								
	Electrical Meter 453097200 -	NA	Direct electrical power costs.					
	Electrical Meter 453283402 -	NA						
	Electrical Meter 453283302 -	NA						
	Electrical Meter 606480500 -	NA						
	Natural Gas Meter 0812933 -	NA						
	Natural Gas Meter 0814134 -	NA						
--Tailings Water Management--								
711030 - Water Analysis:								
	A-list	NA	Direct laboratory costs					
	B-list	NA	Direct laboratory costs					
	C-list	NA	Direct laboratory costs					

WATER TREATMENT (Cont.)		COST						
XXXXXX-810-23-5100		ADJUSTMENT						
		PERCENTAGE	2019	2020	2021	2022	2023	2024
711030 - Water Analysis (Cont.):								
	D-list	NA			Direct laboratory costs			
	E-list	NA			Direct laboratory costs			
	F-list	NA			Direct laboratory costs			
	G-list	NA			Direct laboratory costs			
	H-list	NA			Direct laboratory costs			
	I-list	NA			Direct laboratory costs			
	J-list	NA			Direct laboratory costs			
	KPA Samples	NA			Estimated sample processing costs			
714010 - Driller costs:								
	New Tailings and Perched Alluvial Wells (5")	NA			Contract drilling services - no additional cost.			
	New Tailings Wells (2")	NA			Contract drilling services - no additional cost.			
	Tailings Well Development	NA			Contract drilling services - no additional cost.			
	5 "Tailings Well/Sump Abandonment	NA			Contract drilling services - no additional cost.			
	2" Tailings Well Abandonment	NA			Contract drilling services - no additional cost.			
	Perched Alluvial Well Abandonment	NA			Contract drilling services - no additional cost.			
	U. Chinle Well Development	NA			Contract drilling services - no additional cost.			
	U. Chinle Well Abandonment	NA			Contract drilling services - no additional cost.			
714010 - Horizontal Drilling costs:								
	Blind Horizontal Well Installation	NA			Contract drilling services - no additional cost.			
	Continuous Horizontal Well Installation	NA			Contract drilling services - no additional cost.			
	Horizontal Well Pumping Equipment	NA			Contract drilling services - no additional cost.			
610020 - Utilities:								
	Electrical Meter 453180401	NA			Direct electrical power costs.			
	Electrical Meter 453086900	NA						
Tailings Collection								
714090 - Outside Services:								
	Electrician	NA			Payments to electrical contractor.			
	Northwest Geophysical	NA			Anticipated costs for contract geophysical logging services.			
	Surveyor	NA			Anticipated costs for contract surveying services.			
	Pump/motor repair	NA			Estimated pump repair costs at pump service firm.			
711040 - Consulting Services:								
	Hydrologist/Engineer	NA			Payments to consultant for services - no additional profit or costs.			
711020 - Parts and Supplies:								
	Collection Wellhead Materials	NA			Parts and supplies from hardware, piping or plumbing supplier.			
	Piping and Fittings	NA			Parts and supplies from hardware, piping or plumbing supplier.			
	Valves	NA			Parts and supplies from hardware, piping or plumbing supplier.			
	Meters	NA			Parts and supplies from hardware, piping or plumbing supplier.			
	Electrical System Parts	NA			Parts and supplies from electrical equipment supplier.			
712010 - Pumps:								
	Submersible Pumps	NA			Parts and supplies from pump, piping or plumbing supplier.			

GRANTS PROJECT
Closure Cost Estimate
Comments and Profit
2019 Through Completion

WATER TREATMENT (Cont.) XXXXXX-810-23-5100		COST ADJUSTMENT PERCENTAGE	2019	2020	2021	2022	2023	2024
Toe Drains and Sumps Collection								
711040 - Consulting Services:								
Hydrologist/Engineer -	NA	Payments to consultant for services - no additional profit or costs.						
714090 - Outside Services:								
Pump/motor repair -	NA	Estimated pump repair costs at pump service firm.						
Electrician -	NA	Payments to electrical contractor.						
711020 - Parts and Supplies:								
Sump Collection Materials -	NA	Parts and supplies from hardware, piping or plumbing supplier.						
Piping and Fittings -	NA	Parts and supplies from hardware, piping or plumbing supplier.						
Valves -	NA	Parts and supplies from hardware, piping or plumbing supplier.						
Meters -	NA	Parts and supplies from hardware, piping or plumbing supplier.						
Electrical System Parts -	NA	Parts and supplies from electrical equipment supplier.						
712010 - Pumps:								
Submersible Pumps -	NA	Parts and supplies from pump, piping or plumbing supplier.						
Tailings Flushing System								
711040 - Consulting Services:								
Hydrologist/Engineer -	NA	Payments to consultant for services - no additional profit or costs.						
714090 - Outside Services:								
Electrician -	NA	Payments to electrical contractor.						
Pump/motor repair -	NA	Estimated pump repair costs at pump service firm.						
Injection System								
711020 - Parts and Supplies:								
Injection Wellhead Materials -	NA	Parts and supplies from hardware, piping or plumbing supplier.						
Piping and Fittings -	NA	Parts and supplies from hardware, piping or plumbing supplier.						
Valves -	NA	Parts and supplies from hardware, piping or plumbing supplier.						
Meters -	NA	Parts and supplies from hardware, piping or plumbing supplier.						
Injection Supply System								
711020 - Parts and Supplies:								
Collection Wellhead Materials -	NA	Parts and supplies from hardware, piping or plumbing supplier.						
Piping and Fittings -	NA	Parts and supplies from hardware, piping or plumbing supplier.						
Valves -	NA	Parts and supplies from hardware, piping or plumbing supplier.						
Meters -	NA	Parts and supplies from hardware, piping or plumbing supplier.						
Electrical System Parts -	NA	Parts and supplies from electrical equipment supplier.						
712010 - Pumps:								
Submersible Pumps -	NA	Parts and supplies from pump, piping or plumbing supplier.						
610020 - Utilities:								
Electrical Meter 453086700 -	NA							
Electrical Meter 453086800 -	NA	Direct electrical power costs.						
Electrical Meter 453096100 -	NA							
Electrical Meter 453097500 -	NA	Direct electrical power costs.						
Electrical Meter 453194300 -	NA							
Electrical Meter 453181501 -	NA	Direct electrical power costs.						

WATER TREATMENT (Cont.)		COST						
XXXXXX-810-23-5100		ADJUSTMENT	2019	2020	2021	2022	2023	2024
Groundwater Management		PERCENTAGE						
711030 - Water Analysis:								
	A-list	NA			Direct laboratory costs			
	B-list	NA			Direct laboratory costs			
	C-list	NA			Direct laboratory costs			
	D-list	NA			Direct laboratory costs			
	E-list	NA			Direct laboratory costs			
	F-list	NA			Direct laboratory costs			
	G-list	NA			Direct laboratory costs			
	H-list	NA			Direct laboratory costs			
	I-list	NA			Direct laboratory costs			
	J-list	NA			Direct laboratory costs			
	Column Tests	NA			Direct laboratory costs			
	KPA Samples	NA			Estimated sample processing costs			
714010 - Driller costs:								
	New Alluvial Wells -	NA			Contract drilling services - no additional cost.			
	Alluvial Well Development -	NA			Contract drilling services - no additional cost.			
	Alluvial Well Abandonment -	NA			Contract drilling services - no additional cost.			
	New U. Chinle Wells -	NA			Contract drilling services - no additional cost.			
	U. Chinle Well Development -	NA			Contract drilling services - no additional cost.			
	U. Chinle Well Abandonment -	NA			Contract drilling services - no additional cost.			
	New M. Chinle Wells -	NA			Contract drilling services - no additional cost.			
	M. Chinle Well Development -	NA			Contract drilling services - no additional cost.			
	M. Chinle Well Abandonment -	NA			Contract drilling services - no additional cost.			
	New L. Chinle Wells -	NA			Contract drilling services - no additional cost.			
	L. Chinle Well Development -	NA			Contract drilling services - no additional cost.			
	L. Chinle Well Abandonment -	NA			Contract drilling services - no additional cost.			
	San Andres Well Rehab/Replacement -	NA			Contract drilling services - no additional cost.			
	San Andres Well Abandonment -	NA			Contract drilling services - no additional cost.			
	Drilling Mobilization/Demobilization -	NA			Contract drilling services - no additional cost.			
714010 - Horizontal Drilling costs:								
	Blind Horizontal Well Installation -	NA			Contract drilling services - no additional cost.			
	Continuous Horizontal Well Installation -	NA			Contract drilling services - no additional cost.			
	Horizontal Well Pumping Equipment -	NA			Contract drilling services - no additional cost.			
Groundwater Collection								
714090 - Outside Services:								
	Electrician -	NA			Payments to electrical contractor.			
	Continental Divide -	NA			Payments to electrical contractor.			
	Surveyor -	NA			Anticipated costs for contract surveying services.			
	Northwest Geophysical -	NA			Anticipated costs for contract geophysical logging services.			
711040 - Consulting Services:								
	Hydrologist/Engineer -	NA			Payments to consultant for services - no additional profit or costs.			
<u>General On-Site</u>								
610020 - Utilities:								
	Electrical Meter 453180401 -	NA			Direct electrical power costs			

GRANT PROJECT
Closure Cost Estimate
Comments and Profit
2019 Through Completion

WATER TREATMENT (Cont.)		COST						
XXXXXX-810-23-5100		ADJUSTMENT PERCENTAGE	2019	2020	2021	2022	2023	2024
<u>General North Off-Site</u>								
610020 - Utilities:								
Electrical Meter 453164800 -	NA				North Off-Site electrical composited below			
Electrical Meter 453164900 -	NA				North Off-Site electrical composited below			
Electrical Meter 453171200 -	NA				North Off-Site electrical composited below			
Electrical Meter 453079400 -	NA				North Off-Site electrical composited below			
Electrical Meter 453171500 -	NA				North Off-Site electrical composited below			
Electrical Meter 453165000 -	NA				North Off-Site electrical composited below			
Electrical Meter Composite -	NA				Composited direct electrical power costs			
<u>General South Off-Site</u>								
610020 - Utilities:								
Electrical Meter 453372500 -	NA				South Off-Site electrical composited below			
Electrical Meter 453370700 -	NA				South Off-Site electrical composited below			
Electrical Meter 453289200 -	NA				South Off-Site electrical composited below			
Electrical Meter 453287400 -	NA				South Off-Site electrical composited below			
Electrical Meter 453287900 -	NA				South Off-Site electrical composited below			
Electrical Meter 453777777 -	NA				South Off-Site electrical composited below			
Electrical Meter Composite -	NA				Composited direct electrical power costs			
<u>New Collection Wells - 2012 Permit</u>								
711020 - Parts and Supplies:								
Collection Wellhead Materials -	NA				Parts and supplies from hardware, piping or plumbing supplier.			
Piping and Fittings -	NA				Parts and supplies from hardware, piping or plumbing supplier.			
Valves -	NA				Parts and supplies from hardware, piping or plumbing supplier.			
Meters -	NA				Parts and supplies from hardware, piping or plumbing supplier.			
Electrical System Parts -	NA				Parts and supplies from electrical equipment supplier.			

GRANTS PROJECT
Closure Cost Estimate
Comments and Profit
2019 Through Completion

WATER TREATMENT (Cont.)		COST						
XXXXXX-810-23-5100		ADJUSTMENT	2019	2020	2021	2022	2023	2024
		PERCENTAGE						
712010 - Pumps:								
	Submersible Pumps -	NA		Parts and supplies from pump, piping or plumbing supplier.				
<u>K-Line</u>								
711020 - Parts and Supplies:								
	Collection Wellhead Materials -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Piping and Fittings -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Valves -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Meters -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Electrical System Parts -	NA		Parts and supplies from electrical equipment supplier.				
712010 - Pumps:								
	Submersible Pumps -	NA		Parts and supplies from pump, piping or plumbing supplier.				
610020 - Utilities:								
	Electrical Meter 453183000 -	NA		Direct electrical power costs				
<u>B-Line</u>								
711020 - Parts and Supplies:								
	Collection Wellhead Materials -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Piping and Fittings -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Valves -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Meters -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Electrical System Parts -	NA		Parts and supplies from electrical equipment supplier.				
712010 - Pumps:								
	Submersible Pumps -	NA		Parts and supplies from pump, piping or plumbing supplier.				
<u>D-Line</u>								
711020 - Parts and Supplies:								
	Collection Wellhead Materials -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Piping and Fittings -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Valves -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Meters -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Electrical System Parts -	NA		Parts and supplies from electrical equipment supplier.				
712010 - Pumps:								
	Submersible Pumps -	NA		Parts and supplies from pump, piping or plumbing supplier.				
<u>S-Line</u>								
711020 - Parts and Supplies:								
	Collection Wellhead Materials -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Piping and Fittings -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Valves -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Meters -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Electrical System Parts -	NA		Parts and supplies from electrical equipment supplier.				
712010 - Pumps:								
	Submersible Pumps -	NA		Parts and supplies from pump, piping or plumbing supplier.				
610020 - Utilities:								
	Electrical Meter 453088300 -	NA		Direct electrical power costs				
<u>P-Line</u>								
711020 - Parts and Supplies:								
	Collection Wellhead Materials -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Piping and Fittings -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Valves -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Meters -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Electrical System Parts -	NA		Parts and supplies from electrical equipment supplier.				

GRANT PROJECT
Closure Cost Estimate
Comments and Profit
2019 Through Completion

WATER TREATMENT (Cont.)		COST ADJUSTMENT PERCENTAGE	2019	2020	2021	2022	2023	2024
XXXXXX-810-23-5100								
712010 - Pumps:	Submersible Pumps -	NA		Parts and supplies from pump, piping or plumbing supplier.				
610020 - Utilities:	Electrical Meter 433985700 -	NA		Direct electrical power costs				
<u>T-Line</u>								
711020 - Parts and Supplies:	Collection Wellhead Materials -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Piping and Fittings -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Valves -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Meters -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Electrical System Parts -	NA		Parts and supplies from electrical equipment supplier.				
712010 - Pumps:	Submersible Pumps -	NA		Parts and supplies from pump, piping or plumbing supplier.				
<u>L-Line</u>								
711020 - Parts and Supplies:	Collection Wellhead Materials -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Piping and Fittings -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Valves -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Meters -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Electrical System Parts -	NA		Parts and supplies from electrical equipment supplier.				
712010 - Pumps:	Submersible Pumps -	NA		Parts and supplies from pump, piping or plumbing supplier.				
610020 - Utilities:	Electrical Meter 453195100 -	NA		Direct electrical power costs				
<u>521, 522, and 639</u>								
711020 - Parts and Supplies:	Collection Wellhead Materials -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Piping and Fittings -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Valves -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Meters -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Electrical System Parts -	NA		Parts and supplies from electrical equipment supplier.				
712010 - Pumps:	Submersible Pumps -	NA		Parts and supplies from pump, piping or plumbing supplier.				
610020 - Utilities:	Electrical Meter 453196200 -	NA		Direct electrical power costs				
<u>Groundwater Injection</u>								
714090 - Outside Services:	Surveyor -	NA		Anticipated costs for contract surveying services.				
711040 - Consulting Services:	Hydrologist/Engineer -	NA		Payments to consultant for services - no additional profit or costs.				
<u>Deep Wells</u>								
711020 - Parts and Supplies:	Collection Wellhead Materials -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Piping and Fittings -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Valves -	NA		Parts and supplies from hardware, piping or plumbing supplier.				

WATER TREATMENT (Cont.)		COST						
XXXXXX-810-23-5100		ADJUSTMENT						
		PERCENTAGE	2019	2020	2021	2022	2023	2024
711020 - Parts and Supplies (Cont.):								
	Meters -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Electrical System Parts -	NA		Parts and supplies from electrical equipment supplier.				
712010 - Pumps:								
	Submersible Pumps -	NA		Parts and supplies from pump, piping or plumbing supplier.				
610020 - Utilities:								
	Electrical Meter 453180401 -	NA		Direct electrical power costs.				
	Electrical Meter 453190200 -	NA						
WR-Line								
711020 - Parts and Supplies:								
	Injection Wellhead Materials -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Piping and Fittings -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Valves -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Meters -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
M-Line								
711020 - Parts and Supplies:								
	Injection Wellhead Materials -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Piping and Fittings -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Valves -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Meters -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
B-Line								
711020 - Parts and Supplies:								
	Injection Wellhead Materials -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Piping and Fittings -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Valves -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Meters -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
New Collection Wells - 2012 Permit								
711020 - Parts and Supplies:								
	Injection Wellhead Materials -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Piping and Fittings -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Valves -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Meters -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
K-Line								
711020 - Parts and Supplies:								
	Injection Wellhead Materials -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Piping and Fittings -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Valves -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Meters -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
J-Line								
711020 - Parts and Supplies:								
	Injection Wellhead Materials -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Piping and Fittings -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Valves -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Meters -	NA		Parts and supplies from hardware, piping or plumbing supplier.				

GRANT'S PROJECT
Closure Cost Estimate
Comments and Profit
2019 Through Completion

WATER TREATMENT (Cont.)		COST					
XXXXXX-810-23-5100		ADJUSTMENT	2019	2020	2021	2022	2023
		PERCENTAGE					2024
<u>X-Line</u>							
711020 - Parts and Supplies:							
Injection Wellhead Materials -	NA			Parts and supplies from hardware, piping or plumbing supplier.			
Piping and Fittings -	NA			Parts and supplies from hardware, piping or plumbing supplier.			
Valves -	NA			Parts and supplies from hardware, piping or plumbing supplier.			
Meters -	NA			Parts and supplies from hardware, piping or plumbing supplier.			
<u>G-Line</u>							
711020 - Parts and Supplies:							
Injection Wellhead Materials -	NA			Parts and supplies from hardware, piping or plumbing supplier.			
Piping and Fittings -	NA			Parts and supplies from hardware, piping or plumbing supplier.			
Valves -	NA			Parts and supplies from hardware, piping or plumbing supplier.			
Meters -	NA			Parts and supplies from hardware, piping or plumbing supplier.			
<u>D-Line</u>							
711020 - Parts and Supplies:							
Injection Wellhead Materials -	NA			Parts and supplies from hardware, piping or plumbing supplier.			
Piping and Fittings -	NA			Parts and supplies from hardware, piping or plumbing supplier.			
Valves -	NA			Parts and supplies from hardware, piping or plumbing supplier.			
Meters -	NA			Parts and supplies from hardware, piping or plumbing supplier.			
<u>T-Line</u>							
711020 - Parts and Supplies:							
Injection Wellhead Materials -	NA			Parts and supplies from hardware, piping or plumbing supplier.			
Piping and Fittings -	NA			Parts and supplies from hardware, piping or plumbing supplier.			
Valves -	NA			Parts and supplies from hardware, piping or plumbing supplier.			
Meters -	NA			Parts and supplies from hardware, piping or plumbing supplier.			
<u>S-Line</u>							
711020 - Parts and Supplies:							
Injection Wellhead Materials -	NA			Parts and supplies from hardware, piping or plumbing supplier.			
Piping and Fittings -	NA			Parts and supplies from hardware, piping or plumbing supplier.			
Valves -	NA			Parts and supplies from hardware, piping or plumbing supplier.			
Meters -	NA			Parts and supplies from hardware, piping or plumbing supplier.			
<u>Upper Chinle</u>							
711020 - Parts and Supplies:							
Injection Wellhead Materials -	NA			Parts and supplies from hardware, piping or plumbing supplier.			
Piping and Fittings -	NA			Parts and supplies from hardware, piping or plumbing supplier.			
Valves -	NA			Parts and supplies from hardware, piping or plumbing supplier.			
Meters -	NA			Parts and supplies from hardware, piping or plumbing supplier.			
<u>Middle Chinle</u>							
711020 - Parts and Supplies:							
Injection Wellhead Materials -	NA			Parts and supplies from hardware, piping or plumbing supplier.			
Piping and Fittings -	NA			Parts and supplies from hardware, piping or plumbing supplier.			
Valves -	NA			Parts and supplies from hardware, piping or plumbing supplier.			
Meters -	NA			Parts and supplies from hardware, piping or plumbing supplier.			

GRANTS PROJECT
Closure Cost Estimate
Comments and Profit
2019 Through Completion

WATER TREATMENT (Cont.) XXXXXX-810-23-5100		COST ADJUSTMENT PERCENTAGE	2019	2020	2021	2022	2023	2024
R.O. Plant Operations								
714090 - Outside Services:								
Electrician -	NA	Payments to electrical contractor.						
Pump/motor repair -	NA	Estimated pump repair costs at pump service firm.						
711040 - Consulting Services:								
Hydrologist/Engineer -	NA	Payments to consultant for services - no additional profit or costs.						
R.O. Engineer -	NA	Payments to consultant for services - no additional profit or costs.						
Electronics -	NA	Payments to consultant for services - no additional profit or costs.						
610020 - Utilities:								
Electrical Meter 453180503 -	NA	Direct electrical power costs						
Natural Gas Meter 0807957 -	NA	Direct natural gas costs						
711020 - Parts and Supplies:								
Piping and Fittings -	NA	Parts and supplies from hardware, piping or plumbing supplier.						
Valves -	NA	Parts and supplies from hardware, piping or plumbing supplier.						
Meters -	NA	Parts and supplies from hardware, piping or plumbing supplier.						
Computer -	NA	Parts and supplies from electronics/computer supplier.						
Equipment Maintenance/Upgrade -	NA	Unspecified equipment - direct equipment purchase - no additional costs or profit.						
Instruments -	NA	Parts and supplies from electronics/computer supplier.						
Filters -	NA	Consumables purchased for operation of R.O.						
Membranes (LPRO) -	NA	Consumables purchased for operation of R.O.						
Membranes (HPRO) -	NA	Consumables purchased for operation of R.O.						
Sand Filter Media -	NA	Sand filter media requiring regular replacement.						
Air Diffusers -	NA	Air diffusers requiring regular replacement.						
Caustic Soda -	NA	Consumables purchased for operation of R.O.						
Sulfuric Acid -	NA	Consumables purchased for operation of R.O.						
Anti- Scalant -	NA	Consumables purchased for operation of R.O.						
Lime (Bulk) -	NA	Consumables purchased for operation of R.O.						
Muriatic Acid -	NA	Consumables purchased for operation of R.O.						
Membrane Cleaner -	NA	Consumables purchased for operation of R.O.						
Building / Facility -	NA	General building maintenance costs - no additional profit or costs.						
Heating / AC -	NA	Building heating/AC maintenance costs - likely done by contract service.						
Electrical -	NA	Building electrical system maintenance costs - likely done by contract service.						
712010 - Pumps:								
Pumps/Starters -	NA	Parts and supplies from pump, piping or plumbing supplier.						
711030 - Water Analysis:								
A-list	NA	Direct laboratory costs						
B-list	NA	Direct laboratory costs						
C-list	NA	Direct laboratory costs						
D-list	NA	Direct laboratory costs						
E-list	NA	Direct laboratory costs						
F-list	NA	Direct laboratory costs						
G-list	NA	Direct laboratory costs						
H-list	NA	Direct laboratory costs						
I-list	NA	Direct laboratory costs						
J-list	NA	Direct laboratory costs						
KPA Samples	NA	Estimated sample processing costs						

WATER TREATMENT (Cont.)		COST					
XXXXXX-810-23-5100		ADJUSTMENT	2019	2020	2021	2022	2023
		PERCENTAGE					2024
Expanded R.O. Water Treatment							
714090 - Outside Services:							
R.O. System Upgrade Placeholder -	NA						
Pump/motor repair -	NA						
Power Supply Upgrade Placeholder -	NA						
711040 - Consulting Services:							
Hydrologist/Engineer -	NA						
R.O. Engineer -	NA						
Electronics -	NA						
711020 - Parts and Supplies:							
Piping and Fittings -	NA						
Valves -	NA						
Meters -	NA						
Computer -	NA						
Equipment Maintenance/Upgrade -	NA						
Instruments -	NA						
Filters -	NA						
Membranes (LPRO) -	NA						
Membranes (HPRO) -	NA						
Citric Acid -	NA						
Air Diffusers -	NA						
Caustic Soda -	NA						
Sulfuric Acid -	NA						
Anti-Scalant -	NA						
Lime (Bulk) -	NA						
Muriatic Acid -	NA						
Liquid Citric Acid or Other Cleaner -	NA						
Membrane Cleaner -	NA						
Building / Facility -	NA						
Heating / AC -	NA						
Electrical -	NA						
711030 - Water Analysis:							
A-list	NA						
B-list	NA						
C-list	NA						
D-list	NA						
E-list	NA						
F-list	NA						
G-list	NA						
H-list	NA						
I-list	NA						
J-list	NA						
KPA Samples	NA						
610020 - Utilities:							
Electrical Meter	NA						
High Pressure RO Electrical Consumption	NA						
Natural Gas	NA						

GRANTS PROJECT
Closure Cost Estimate
Comments and Profit
2019 Through Completion

WATER TREATMENT (Cont.)		COST						
XXXXXX-810-23-5100		ADJUSTMENT	2019	2020	2021	2022	2023	2024
Zeolite Water Treatment		PERCENTAGE						
714090 - Outside Services:								
	Electrician -	NA		Payments to electrical contractor.				
711040 - Consulting Services:								
	Water Treatment Consultant	NA		Payments to consultant for services - no additional profit or costs.				
	Hydrology Consultant	NA		Payments to consultant for services - no additional profit or costs.				
711020 - Parts and Supplies:								
	Piping, Tankage and Fittings -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Valves -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Meters -	NA		Parts and supplies from hardware, piping or plumbing supplier.				
	Instruments	NA		Parts and supplies from electronics/computer supplier.				
	Data Control Equipment	NA		Parts and supplies from electronics/computer supplier.				
	Sulfuric Acid	NA		Sulfuric acid purchased for zeolite water treatment.				
	Placeholder Consumable \$(gal treated) -	NA		Additional consumables purchased for zeolite water treatment				
	Acid Metering Pumps	NA		Parts and supplies from pump, piping or plumbing supplier.				
711030 - Water Analysis:								
	A-list	NA		Direct laboratory costs				
	B-list	NA		Direct laboratory costs				
	C-list	NA		Direct laboratory costs				
	D-list	NA		Direct laboratory costs				
	E-list	NA		Direct laboratory costs				
	F-list	NA		Direct laboratory costs				
	G-list	NA		Direct laboratory costs				
	H-list	NA		Direct laboratory costs				
	I-list	NA		Direct laboratory costs				
	J-list	NA		Direct laboratory costs				
	KPA Samples	NA		Estimated sample processing costs				
610020 - Utilities:								
	Electrical Meter	NA		Direct electrical power costs				
	Natural Gas Meter -	NA		Direct natural gas costs				

WATER TREATMENT (Cont.)		COST ADJUSTMENT PERCENTAGE	2019	2020	2021	2022	2023	2024
XXXXXX-810-23-5100								
Alternate Remediation Testing								
714090 - Outside Services:								
Electrician -	NA				Payments to electrical contractor.			
711040 - Consulting Services:								
Water Treatment Specialist -	NA				Payments to consultant for services - no additional profit or costs.			
Engineer -	NA				Payments to consultant for services - no additional profit or costs.			
711020 - Parts and Supplies:								
Piping and Fittings -	NA				Parts and supplies from hardware, piping or plumbing supplier.			
Valves -	NA				Parts and supplies from hardware, piping or plumbing supplier.			
Meters -	NA				Parts and supplies from hardware, piping or plumbing supplier.			
Instruments -	NA				Parts and supplies from electronics/computer supplier.			
Data Control Equipment -	NA				Parts and supplies from electronics/computer supplier.			
Placeholder Consumable (lbs) -	NA				Consumables purchased for alternate remediation testing.			
Placeholder Consumable \$/gal treated) -	NA				Consumables purchased for alternate remediation testing.			
712010 - Pumps:								
Pumps -	NA				Parts and supplies from pump, piping or plumbing supplier.			
711030 - Water Analysis:								
A-list	NA				Direct laboratory costs			
B-list	NA				Direct laboratory costs			
C-list	NA				Direct laboratory costs			
D-list	NA				Direct laboratory costs			
E-list	NA				Direct laboratory costs			
F-list	NA				Direct laboratory costs			
G-list	NA				Direct laboratory costs			
H-list	NA				Direct laboratory costs			
I-list	NA				Direct laboratory costs			
J-list	NA				Direct laboratory costs			
KPA Samples	NA				Estimated sample processing costs			
--Evaporation System Management--								
714090 - Outside Services:								
Electrician -	NA				Payments to electrical contractor.			
Pump/motor Repair -	NA				Estimated pump repair costs at pump service firm.			
Liner Repair -	NA				Payments to liner repair contractor - no additional profit or costs.			
Electrical Power Repair	NA				Payments to utility company to upgrade electrical power system.			
711040 - Consulting Services:								
Hydrologist/Engineer -	NA				Payments to consultant for services - no additional profit or costs.			
Odor Control -	NA				Payments to consultant for services - no additional profit or costs.			
711030 - Water Analysis:								
A-list	NA				Direct laboratory costs			
B-list	NA				Direct laboratory costs			
C-list	NA				Direct laboratory costs			
D-list	NA				Direct laboratory costs			
E-list	NA				Direct laboratory costs			
F-list	NA				Direct laboratory costs			
G-list	NA				Direct laboratory costs			
H-list	NA				Direct laboratory costs			
I-list	NA				Direct laboratory costs			
J-list	NA				Direct laboratory costs			
KPA Samples	NA				Estimated sample processing costs			

WATER TREATMENT (Cont.)		COST							
XXXXXX-810-23-5100		ADJUSTMENT	PERCENTAGE	2019	2020	2021	2022	2023	2024
610020 - Utilities:									
	Electrical Meter 453180401 -	NA			Direct electrical power costs				
East Collection Pond									
711020 - Parts and Supplies:									
	Piping and Fittings -	NA			Parts and supplies from hardware, piping or plumbing supplier.				
	Copper Sulfate (East Pond) -	NA			Consumables for algae control on ponds.				
	Citric Acid (East Pond) -	NA			Consumables for algae control on ponds.				
	Valves -	NA			Parts and supplies from hardware, piping or plumbing supplier.				
	Meters -	NA			Parts and supplies from hardware, piping or plumbing supplier.				
West Collection Pond									
711020 - Parts and Supplies:									
	Piping and Fittings -	NA			Parts and supplies from hardware, piping or plumbing supplier.				
	Copper Sulfate (West Pond) -	NA			Consumables for algae control on ponds.				
	Citric Acid (West Pond) -	NA			Consumables for algae control on ponds.				
	Sludge Transfer Materials -	NA			Specialty sludge pumps or other equipment from hardware, piping or plumbing supplier.				
	Valves -	NA			Parts and supplies from hardware, piping or plumbing supplier.				
	Meters -	NA			Parts and supplies from hardware, piping or plumbing supplier.				
No. 1 Evaporation Pond									
711020 - Parts and Supplies:									
	Piping and Fittings -	NA			Parts and supplies from hardware, piping or plumbing supplier.				
	General Spray Nozzles -	NA			Parts and supplies from hardware, piping or plumbing supplier.				
	Valves -	NA			Parts and supplies from hardware, piping or plumbing supplier.				
	Meters -	NA			Parts and supplies from hardware, piping or plumbing supplier.				
	Citric Acid -	NA			Consumables for algae control on ponds.				
	Copper Sulfate -	NA			Consumables for algae control on ponds.				
	Nozzle for Turbo-Mist Unit -	NA			Parts and supplies from Turbo-Mist equipment supplier.				
712010 - Pumps:									
	Turbo-Mist Unit -	NA			Purchase of Turbo-Mist evaporator.				
	Centrifugal Pumps -	NA			Purchase of evaporator supply pumps.				
	Centrifugal Pump Parts -	NA			Purchase of evaporator supply pump parts.				
	Pump and Motor Repair for Turbo-Mist Unit -	NA			Parts and supplies from Turbo-Mist equipment supplier.				
No. 2 and No. 3 Evaporation Ponds									
711020 - Parts and Supplies:									
	Piping and Fittings (Pond 2) -	NA			Parts and supplies from hardware, piping or plumbing supplier.				
	Spray Nozzles (Pond 2) -	NA			Parts and supplies from hardware, piping or plumbing supplier.				
	Valves (Pond 2) -	NA			Parts and supplies from hardware, piping or plumbing supplier.				
	Meters (Pond 2) -	NA			Parts and supplies from hardware, piping or plumbing supplier.				
	Citric Acid (Pond 2) -	NA			Consumables for algae control on ponds.				
	Copper Sulfate (Pond 2) -	NA			Consumables for algae control on ponds.				
	Piping and Fittings (Pond 3) -	NA			Parts and supplies from hardware, piping or plumbing supplier.				
	Spray Nozzles (Pond 3) -	NA			Parts and supplies from hardware, piping or plumbing supplier.				
	Valves (Pond 3) -	NA			Parts and supplies from hardware, piping or plumbing supplier.				
	Meters (Pond 3) -	NA			Parts and supplies from hardware, piping or plumbing supplier.				
	Citric Acid (Pond 3) -	NA			Consumables for algae control on ponds.				
	Copper Sulfate (Pond 3) -	NA			Consumables for algae control on ponds.				
712010 - Pumps:									
	Centrifugal Pumps (Pond 2) -	NA			Purchase of spray system supply pumps.				
	Centrifugal Pump Parts(Pond 2) -	NA			Purchase of spray system supply pump parts.				
	Centrifugal Pumps (Pond 3) -	NA			Purchase of spray system supply pumps.				
	Centrifugal Pump Parts(Pond 3) -	NA			Purchase of spray system supply pump parts.				

WATER TREATMENT (Cont.)		COST						
XXXXXX-810-23-5100		ADJUSTMENT	2019	2020	2021	2022	2023	2024
		PERCENTAGE						
--Land Application Area Management and Closure--								
714090 - Outside Services:								
Electrician -	NA	Payments to electrical contractor.						
Continental Divide -	NA	Payments to electrical contractor.						
Surveying -	NA	Payments to contract surveyor for services - no additional profit or costs.						
Vegetation and Field Maintenance -	NA	Payment for agricultural fieldwork services.						
Pump/motor Repair -	NA	Estimated pump repair costs at pump service firm.						
711040 - Consulting Services:								
Hydrologist/Engineer -	NA	Payments to consultant for services - no additional profit or costs.						
Other -	NA	Payment for unspecified services - no additional profit or costs.						
711020 - Parts and Supplies:								
Agricultural Equipment Maintenance -	NA	Agricultural equipment repair and maintenance.						
Agricultural Equipment Fuel -	NA	Payment for unspecified services - no additional profit or costs.						
Lubricants -	NA	Purchase of lubricants for equipment.						
Permanent Vegetation Seed -	NA	Native and other perennial seed						
Cereal Grains -	NA	Grain seed (barley, wheat, oats etc.)						
Fertilizer -	NA	Fertilizer for fields						
Fencing -	NA	Fencing of agricultural fields						
718070 - Vegetation Analysis:	NA	Direct laboratory costs						
718030 - Soil Analysis:	NA	Direct laboratory costs						
711030 - Water Analysis:								
A-list	NA	Direct laboratory costs						
B-list	NA	Direct laboratory costs						
C-list	NA	Direct laboratory costs						
D-list	NA	Direct laboratory costs						
E-list	NA	Direct laboratory costs						
F-list	NA	Direct laboratory costs						
G-list	NA	Direct laboratory costs						
H-list	NA	Direct laboratory costs						
I-list	NA	Direct laboratory costs						
J-List	NA	Direct laboratory costs						
KPA Samples	NA	Estimated sample processing costs						
Section 34 Land Application Area								
Section 34 Land Application Closure								
714090 - Outside Services:								
Irrigation Systems and Equipment Removal -	NA	Removal of irrigation systems.						
Soil Grading and Stabilization	NA	Grading and stabilization.						
Equipment Disposal -	NA	Disposal of irrigation equipment.						

WATER TREATMENT (Cont.)

XXXXXX-810-23-5100

WATER TREATMENT (Cont.)		COST ADJUSTMENT PERCENTAGE	2019	2020	2021	2022	2023	2024
XXXXXX-810-23-5100								
Section 28 Land Application Area								
Section 28 Land Application Closure								
714090 - Outside Services:								
Irrigation Systems and Equipment Removal -	NA	Removal of irrigation systems.						
Soil Grading and Stabilization	NA	Grading and stabilization.						
Equipment Disposal -	NA	Disposal of irrigation equipment.						
Section 33 Land Application Area								
Section 33 Land Application Closure								
714090 - Outside Services:								
Irrigation Systems and Equipment Removal -	NA	Removal of irrigation systems.						
Soil Grading and Stabilization	NA	Grading and stabilization.						
Equipment Disposal -	NA	Disposal of irrigation equipment.						

MONITORING/REGULATORY XXXXXX-810-23-5200		COST ADJUSTMENT PERCENTAGE	2019	2020	2021	2022	2023	2024
--General--								
718900 - NRC Fees:	NA	Fees paid to NRC						
718025 - Permitting Fees:	NA	Other permitting fees.						
711040 - Consulting Services:								
Hydrologist/Engineer -								
Annual Report-	NA	Payments to consultant for services - no additional profit or costs.						
CAP-	NA	Payments to consultant for services - no additional profit or costs.						
ACL-	NA	Payments to consultant for services - no additional profit or costs.						
Numerical Modeling-	NA	Payments to consultant for services - no additional profit or costs.						
ALARA Consulting-	NA	Payments to consultant for services - no additional profit or costs.						
General Consulting-	NA	Payments to consultant for services - no additional profit or costs.						
DOE Reporting-	NA	Payments to consultant for services - no additional profit or costs.						
DP Renewal-	NA	Payments to consultant for services - no additional profit or costs.						
EPA Oversight-	NA	Payments to consultant for services - no additional profit or costs.						
Radiological Consulting and RSO services-	NA	Payments to consultant for services - no additional profit or costs.						
Placeholder Consulting-	NA	Payments to consultant for services - no additional profit or costs.						
--Air / Weather Monitoring--								
714090 - Outside Services:	NA	Contract services for weather station maintenance/calibration etc. - no additional profit or costs.						
711020 - Parts and Supplies:	NA	Parts for weather and air monitoring equipment.						
610020 - Utilities:								
Electrical Meter 453181900 -	NA	Direct electrical power costs						
--Radiation Monitoring--								
714090 - Outside Services:	NA	Contract services for equipment calibration etc. - no additional profit or costs.						
711020 - Parts and Supplies:								
Bioassay Sample Bottles -	NA	Radiation sampling supplies						
High Vol Filters -	NA	Radiation sampling supplies						
High Vol Parts -	NA	Radiation sampling supplies						
Lab Instrument Parts -	NA	Radiation sampling supplies						
OSL Badges -	NA	Radiation sampling supplies						
Radon Cups -	NA	Radiation sampling supplies						
Miscellaneous Parts -	NA	Radiation sampling supplies						
718030 - Lab Fees:								
Bioassay Samples -	NA	Direct laboratory costs						
High Vol Samples -	NA	Direct laboratory costs						
Radon Cup Analysis -	NA	Direct laboratory costs						
610020 - Utilities:								
Electrical Meter 433983700 -	NA	Direct electrical power costs						
Electrical Meter 453094400 -	NA	Direct electrical power costs						
Electrical Meter 600986000 -	NA	Direct electrical power costs						
Electrical Meter 453280400 -	NA	Direct electrical power costs						
Electrical Meter 600095200 -	NA	Direct electrical power costs						
Electrical Meter 453191600 -	NA	Direct electrical power costs						
711040 - Radiation Training:								
Annual Radiation Refresher -	NA	Fees paid to contract training service.						
Employee Radiation Training -	NA	Fees paid to contract training service.						

GRANTS PROJECT
Closure Cost Estimate
Comments and Profit
2019 Through Completion

MONITORING/REGULATORY (Cont.)

XXXXXX-810-23-5200

MONITORING/REGULATORY (Cont.)		COST ADJUSTMENT PERCENTAGE						
XXXXXX-810-23-5200			2019	2020	2021	2022	2023	2024
Settlement Monument Monitoring								
714090 - Outside Services:								
	Surveying -	NA	Payments to contract surveyor for services - no additional profit or costs.					
	Report Development -	NA	Payments to contract surveyor for services - no additional profit or costs.					

HOLDING

XXXXXX-811-23-5300

HOLDING		COST						
XXXXXX-811-23-5300		ADJUSTMENT	2019	2020	2021	2022	2023	2024
PERCENTAGE								
--Land--								
790060 - Land Purchase:		NA						
790090 - Land Rental:		NA						
790110 - Title Commitment Policy:		NA						
790010 - Appraisal :		NA						
790120 - Land Improvements:								
Fencing -		NA						
Water Development -		NA						
Clean-up -		NA						
623010 - Property Tax:		NA						
790120 - Surveying / Mapping:		NA						

SECURITY AND MAINTENANCE

XXXXXX-811-23-5400

SECURITY AND MAINTENANCE XXXXXX-811-23-5400	COST ADJUSTMENT PERCENTAGE						
		2019	2020	2021	2022	2023	2024
--Land and Structures--							
717030 - Surveillance:	NA	Payments to contract security service - no additional profit or costs.					

SEVERANCE AND RELOCATION

XXXXXX-XXX-XX-XXXX

SEVERANCE AND RELOCATION XXXXXX-XXX-XX-XXXX	COST ADJUSTMENT PERCENTAGE						
		2019	2020	2021	2022	2023	2024
--Severance and Relocation--							
xxxxxx - Severance and Relocation:	NA	No severance or relocation costs anticipated					

GRANTS PROJECT
Closure Cost Estimate
Comments and Profit
2019 Through Completion

GENERAL AND ADMIN. XXXXXX-811-23-5500		COST ADJUSTMENT PERCENTAGE	2019	2020	2021	2022	2023	2024
--Salaries and Benefits--								
<u>Managerial</u>								
600000 - General Salaries - Closure Manager	10	1.1	1.1	1.1	1.1	1.1	1.1	1.1
600040 - Benefits - Closure Manager	10	1.1	1.1	1.1	1.1	1.1	1.1	1.1
600000 - General Salaries - Proj. Hydrogeologist	10	1.1	1.1	1.1	1.1	1.1	1.1	1.1
600040 - Benefits - Proj. Hydrogeologist	10	1.1	1.1	1.1	1.1	1.1	1.1	1.1
600000 - General Salaries - Engineer	10	1.1	1.1	1.1	1.1	1.1	1.1	1.1
600040 - Benefits - Engineer	10	1.1	1.1	1.1	1.1	1.1	1.1	1.1
600000 - General Salaries - Compliance	10	1.1	1.1	1.1	1.1	1.1	1.1	1.1
600040 - Benefits - Compliance	10	1.1	1.1	1.1	1.1	1.1	1.1	1.1
600000 - General Salaries - Community Relations	10	1.1	1.1	1.1	1.1	1.1	1.1	1.1
600040 - Benefits - Community Relations	10	1.1	1.1	1.1	1.1	1.1	1.1	1.1
<u>Foreman and Technical</u>								
600001 - GW Salaries - Project Foreman	10	1.1	1.1	1.1	1.1	1.1	1.1	1.1
600040 - Benefits - Project Foreman	10	1.1	1.1	1.1	1.1	1.1	1.1	1.1
600001 - GW Salaries - Env. Technicians	10	1.1	1.1	1.1	1.1	1.1	1.1	1.1
600040 - Benefits - Env. Technicians	10	1.1	1.1	1.1	1.1	1.1	1.1	1.1
600001 - GW Salaries - Admin. Asst.	10	1.1	1.1	1.1	1.1	1.1	1.1	1.1
600040 - Benefits - Admin. Asst.	10	1.1	1.1	1.1	1.1	1.1	1.1	1.1
<u>Overtime</u>								
600001 - Employee Overtime	10	1.1	1.1	1.1	1.1	1.1	1.1	1.1
<u>Other</u>								
600050 - Temporary Labor:	10	1.1	1.1	1.1	1.1	1.1	1.1	1.1
601060 - Workman's Compensation:	NA							
601130 - Memberships:	NA							
601140 - Seminars and Training:	NA							
603000 - Employee Relations:	NA							
--General Office Costs--								
622000 - Stationary & Supplies:	NA							
622040 - Publications & Subscriptions:	NA							
622050 - Miscellaneous:	NA							
622070 - Lunch / Dinners:	NA							
Community Relations:	NA							
--Occupancy Costs--								
610030 - Office - Other:	10	1.1	1.1	1.1	1.1	1.1	1.1	1.1
--Communication Costs--								
620010 - Telecommunications:	10	1.1	1.1	1.1	1.1	1.1	1.1	1.1
620060 - Postage:	10	1.1	1.1	1.1	1.1	1.1	1.1	1.1
--Data Processing Costs--								
621000 - Equipment Rental / Leases:	10	1.1	1.1	1.1	1.1	1.1	1.1	1.1
--Taxes, Licenses, and Fees--								
623000 - Office - Other:	10	1.1	1.1	1.1	1.1	1.1	1.1	1.1
--Insurance--								
624040 - Insurance:	10	1.1	1.1	1.1	1.1	1.1	1.1	1.1

GENERAL AND ADMIN. (Cont.) XXXXXX-811-23-5500		COST ADJUSTMENT PERCENTAGE					
		2019	2020	2021	2022	2023	2024
--Travel and Accommodation--							
640000 - Travel - Air:	NA			Direct Costs			
640020 - Travel - Accommodation:	NA			Direct Costs			
640030 - Travel - Taxis:	NA			Direct Costs			
640050 - Travel - Gas:	NA			Direct Costs			
640060 - Travel - Meals:	NA			Direct Costs			
Meals and Entertainment	NA			Direct Costs			
--Professional Fees--							
670000 - Legal Fees:	NA			Legal fees paid to contract law firm.			
--Outside Services--							
714090 - Worker's Comp. Admin:	NA			No cost assigned			
IT Consulting Services	NA			Payments to consultant for services - no additional profit or costs.			
Misc.(Grants Clinic)	NA			Payments to Grants Medical Clinic for services - no additional profit or costs.			
MISCELLANEOUS INCOME XXXXXX-XXX-XX-XXXX		COST ADJUSTMENT PERCENTAGE					
		2019	2020	2021	2022	2023	2024
--Misc. Income--							
499000 - Misc. Income:							
	NA			No income anticipated			

GRANTS PROJECT
Closure Cost Estimate
Unit Costs/Quantities
2019 Through Completion

TAILINGS FACILITY CLOSURE / RECLAMATION
XXXXXX-810-23-3600

	UNIT COST						
		2019	2020	2021	2022	2023	2024
711040 - Consulting:							
Large Tailings Pile Closure -	461,084.46	0	0	0	0	1	0
Final Closure and Demolition (R.O. Plant, Small Tailings Piles, E. and W. Collection ponds and No. 1, No. 2 and No. 3 Evap.	558,485.14	0	0	0	0	0.33	1.33
Review of Physical Reclamation	30,000.00	0	0	0	0	0	0
714090 - Outside Services:							
Large Tailings Pile Closure -	6,367,467.23	0	0	0	0	1	0
Current Reclamation Repairs	25,000.00	2	2	2	2	30	0
Pond Closure-	1,181,221.99	0	0	0	0	0.67	2.33
Small Tailings Pile Closure -	3,610,645.99	0	0	0	0	0	1
R.O. Plant Demolition -	198,484.58	0	0	0	0	0	2
Radiological Survey and Environmental Monitoring -	53,202.05	0	0	0	0	1	0

ON-SITE DEMOLITION
XXXXXX-810-23-3300

	UNIT COST						
		2019	2020	2021	2022	2023	2024
711040 - Consulting:							
Engineering Design / QAQC -	39,014.84	0	0	0	0	0	1
714090 - Outside Services:							
Demolition / Cleanup -	171,201.48	0	0	0	0	0	1

GRANTS PROJECT
Closure Cost Estimate
Unit Costs/Quantities
2019 Through Completion

WATER TREATMENT XXXXXX-810-23-5100		UNIT COST	2019	2020	2021	2022	2023	2024
--General--								
717050 - Fuel:								
	Diesel -	2.29	2570	2570	2570	2570	2570	2570
	Gas -	2.50	4629	4629	4629	4629	4629	4629
718010 - Freight and Transportation:		5,000.00	1	1	1	1	1	1
717060 - Equipment Expenses:								
	Crane -	4,000.00	1	1	1	1	1	1
	Loader -	8,000.00	1	1	1	1	1	1
	Backhoe -	5,000.00	1	1	1	1	1	1
	Cat Dozer -	14,375.00	1	1	1	1	1	1
	Forklift -	2,000.00	1	1	1	1	1	1
	Large Equipment Replacement	75,000.00	1	1	1	1	1	1
	Compressor -	500.00	1	1	1	1	1	1
	Onan Small Generator -	500.00	1	1	1	1	1	1
	New Generator -	500.00	1	1	1	1	1	1
	HDPE Fusion Machines -	1,500.00	1	1	1	1	1	1
	Pump Unit -	4,000.00	1	1	1	1	1	1
	Misc. Equipment Rental -	7,000.00	1	1	1	1	1	1
	All Other Equipment -	2,000.00	1	1	1	1	1	1
717075 - Vehicle Expenses:								
	Vehicle Maintenance and Repair	2,300.00	10	10	10	10	10	6
	Truck Leasing -	12,000.00	9	9	9	9	9	5
	Admin. Vehicle Leasing -	12,000.00	1	1	1	1	1	1
610020 - Utilities:								
	Electrical Meter 453097200 -	0.1100	115000	115000	115000	115000	115000	115000
	Electrical Meter 453283402 -	0.1100	0	0	0	0	0	0
	Electrical Meter 453283302 -	0.1100	0	0	0	0	0	0
	Electrical Meter 606480500 -	0.1100	1200	1200	1200	1200	1200	1200
	Natural Gas Meter 0812933 -	0.4800	32000	32000	32000	32000	32000	32000
	Natural Gas Meter 0814134 -	0.4800	0	0	0	0	0	0
--Tailings Water Management--								
711030 - Water Analysis:								
	A-list	90.00	0	0	0	0	0	0
	B-list	225.00	0	0	0	0	0	0
	C-list	72.00	0	0	0	0	0	0

GRANTS PROJECT
Closure Cost Estimate
Unit Costs/Quantities
2019 Through Completion

WATER TREATMENT (Cont.)
XXXXXX-810-23-5100

UNIT COST		2019	2020	2021	2022	2023	2024
711030 - Water Analysis (Cont.):							
D-list	345.00	0	0	0	0	0	0
E-list	90.00	0	0	0	0	0	0
F-list	197.00	0	0	0	0	0	0
G-list	99.00	0	0	0	0	0	0
H-list	108.00	20	20	20	20	0	0
I-list	112.50	0	0	0	0	0	0
J-list	130.50	0	0	0	0	0	0
KPA Samples	15.00	40	40	40	40	0	0
714010 - Driller costs:							
New Tailings and Perched Alluvial Wells (5") -	7,150.00	0	0	0	0	0	0
New Tailings Wells (2") -	3,520.00	0	0	0	0	0	0
Tailings Well Development -	1,650.00	0	0	0	0	0	0
5" Tailings Well/Sump Abandonment -	1,560.00	0	240	0	10	0	0
2" Tailings Well Abandonment -	286.00	0	260	0	10	0	0
Perched Alluvial Well Abandonment -	1,300.00	0	56	0	0	0	0
U. Chinle Well Development -	1,540.00	0	0	0	0	0	0
U. Chinle Well Abandonment -	2,150.00	0	0	0	0	0	9
714010 - Horizontal Drilling costs:							
Blind Horizontal Well Installation -	750,000.00	1	0	0	0	0	0
Continuous Horizontal Well Installation -	1,250,000.00	0	0	0	0	0	0
Horizontal Well Pumping Equipment -	20,000.00	1	0	0	0	0	0
610020 - Utilities:							
Electrical Meter 453180401 -	0.1100	3377	0	0	0	0	0
Electrical Meter 453086900 -	0.1100	0	0	0	0	0	0
Tailings Collection							
714090 - Outside Services:							
Electrician -	2,000.00	0	0	0	0	0	0
Northwest Geophysical -	7,000.00	0	0	0	0	0	0
Surveyor -	5,000.00	0	0	0	0	0	0
Pump/motor repair -	8,000.00	0	0	0	0	0	0
711040 - Consulting Services:							
Hydrologist/Engineer -	15,000.00	1	1	0	0	0	0
711020 - Parts and Supplies:							
Collection Wellhead Materials -	500.00	10	0	0	0	0	0
Piping and Fittings -	1,000.00	10	0	0	0	0	0
Valves -	200.00	10	0	0	0	0	0
Meters -	500.00	10	0	0	0	0	0
Electrical System Parts -	500.00	10	0	0	0	0	0
712010 - Pumps:							
Submersible Pumps -	700.00	10	0	0	0	0	0

GRANTS PROJECT
Closure Cost Estimate
Unit Costs/Quantities
2019 Through Completion

WATER TREATMENT (Cont.) XXXXXX-810-23-5100		UNIT COST	2019	2020	2021	2022	2023	2024
Toe Drains and Sumps Collection								
711040 - Consulting Services:								
Hydrologist/Engineer -	5,000.00	1	1	0	0	0	0	0
714090 - Outside Services:								
Pump/motor repair -	1,000.00	0	0	0	0	0	0	0
Electrician -	500.00	0	0	0	0	0	0	0
711020 - Parts and Supplies:								
Sump Collection Materials -	500.00	0	0	0	0	0	0	0
Piping and Fittings -	100.00	0	0	0	0	0	0	0
Valves -	200.00	0	0	0	0	0	0	0
Meters -	120.00	0	0	0	0	0	0	0
Electrical System Parts -	500.00	0	0	0	0	0	0	0
712010 - Pumps:								
Submersible Pumps -	310.00	0	0	0	0	0	0	0
Tailings Flushing System								
711040 - Consulting Services:								
Hydrologist/Engineer -	15,000.00	0	0	0	0	0	0	0
714090 - Outside Services:								
Electrician -	2,000.00	0	0	0	0	0	0	0
Pump/motor repair -	1,000.00	0	0	0	0	0	0	0
<u>Injection System</u>								
711020 - Parts and Supplies:								
Injection Wellhead Materials -	300.00	0	0	0	0	0	0	0
Piping and Fittings -	1,000.00	0	0	0	0	0	0	0
Valves -	200.00	0	0	0	0	0	0	0
Meters -	120.00	0	0	0	0	0	0	0
<u>Injection Supply System</u>								
711020 - Parts and Supplies:								
Collection Wellhead Materials -	1,000.00	0	0	0	0	0	0	0
Piping and Fittings -	2,000.00	0	0	0	0	0	0	0
Valves -	200.00	0	0	0	0	0	0	0
Meters -	120.00	0	0	0	0	0	0	0
Electrical System Parts -	1,000.00	0	0	0	0	0	0	0
712010 - Pumps:								
Submersible Pumps -	2,100.00	0	0	0	0	0	0	0
610020 - Utilities:								
Electrical Meter 453086700 -	0.1100	0	0	0	0	0	0	0
Electrical Meter 453086800 -	0.1100	0	0	0	0	0	0	0
Electrical Meter 453096100 -	0.1100	0	0	0	0	0	0	0
Electrical Meter 453097500 -	0.1100	0	0	0	0	0	0	0
Electrical Meter 453194300 -	0.1100	0	0	0	0	0	0	0
Electrical Meter 453181501 -	0.1100	0	0	0	0	0	0	0

GRANTS PROJECT
Closure Cost Estimate
Unit Costs/Quantities
2019 Through Completion

WATER TREATMENT (Cont.)
XXXXXX-810-23-5100

		UNIT COST	2019	2020	2021	2022	2023	2024
--Groundwater Management--								
711030 - Water Analysis:								
	A-list	90.00	5	5	5	5	4	4
	B-list	225.00	200	200	150	100	40	30
	C-list	72.00	0	0	0	0	0	0
	D-list	345.00	0	0	0	0	1	1
	E-list	90.00	0	0	0	0	0	0
	F-list	197.00	200	200	150	100	40	30
	G-list	99.00	64	64	64	64	20	15
	H-list	108.00	500	500	500	500	200	60
	I-list	112.50	75	75	75	75	20	10
	J-list	130.50	129	129	129	129	50	15
	Column Tests	153.00	0	0	0	0	0	0
	KPA Samples	15.00	400	400	400	400	200	100
714010 - Driller costs:								
	New Alluvial Wells	7,150.00	50	0	0	0	0	0
	Alluvial Well Development	1,540.00	0	0	0	0	0	0
	Alluvial Well Abandonment	1,760.00	0	0	0	0	500	500
	New U. Chinle Wells	8,250.00	0	0	0	0	0	0
	U. Chinle Well Development	1,540.00	1	1	1	1	0	0
	U. Chinle Well Abandonment	2,150.00	0	0	0	0	0	32
	New M. Chinle Wells	11,000.00	1	0	0	0	0	0
	M. Chinle Well Development	1,540.00	2	1	1	1	0	0
	M. Chinle Well Abandonment	2,150.00	0	0	0	0	0	60
	New L. Chinle Wells	11,000.00	2	0	0	0	0	0
	L. Chinle Well Development	1,540.00	2	1	1	1	0	0
	L. Chinle Well Abandonment	2,150.00	0	0	0	0	0	30
	San Andres Well Rehab/Replacement	44,000.00	0	0	0	0	0	0
	San Andres Well Abandonment	32,500.00	0	0	0	0	0	6
	Drilling Mobilization/Demobilization	7,800.00	1	1	1	1	2	3
714010 - Horizontal Drilling costs:								
	Blind Horizontal Well Installation	750,000.00	0	0	0	0	0	0
	Continuous Horizontal Well Installation	1,250,000.00	1	0	0	0	0	0
	Horizontal Well Pumping Equipment	20,000.00	1	0	0	0	0	0
Groundwater Collection								
714090 - Outside Services:								
	Electrician	10,000.00	1	1	1	1	0	0
	Continental Divide	5,000.00	1	1	1	1	0	0
	Surveyor	2,000.00	4	4	4	4	0	0
	Northwest Geophysical	2,000.00	0	0	0	0	0	0
711040 - Consulting Services:								
	Hydrologist/Engineer	30,000.00	2	2	1	1	0	0
General On-Site								
610020 - Utilities:								
	Electrical Meter 453180401	0.1100	703500	703500	703500	703500	0	0

GRANTS PROJECT
Closure Cost Estimate
Unit Costs/Quantities
2019 Through Completion

WATER TREATMENT (Cont.)
XXXXXX-810-23-5100

WATER TREATMENT (Cont.) XXXXXX-810-23-5100		UNIT COST	2019	2020	2021	2022	2023	2024
<u>General North Off-Site</u>								
610020 - Utilities:								
Electrical Meter 453164800 -	0.1100	0	0	0	0	0	0	0
Electrical Meter 453164900 -	0.1100	0	0	0	0	0	0	0
Electrical Meter 453171200 -	0.1100	0	0	0	0	0	0	0
Electrical Meter 453079400 -	0.1100	0	0	0	0	0	0	0
Electrical Meter 453171500 -	0.1100	0	0	0	0	0	0	0
Electrical Meter 453165000 -	0.1100	0	0	0	0	0	0	0
Electrical Meter Composite -	0.1100	585158	680694	238840	124538	0	0	0
<u>General South Off-Site</u>								
610020 - Utilities:								
Electrical Meter 453372500 -	0.1100	0	0	0	0	0	0	0
Electrical Meter 453370700 -	0.1100	0	0	0	0	0	0	0
Electrical Meter 453289200 -	0.1100	0	0	0	0	0	0	0
Electrical Meter 453287400 -	0.1100	0	0	0	0	0	0	0
Electrical Meter 453287900 -	0.1100	0	0	0	0	0	0	0
Electrical Meter 453?????? -	0.1100	0	0	0	0	0	0	0
Electrical Meter Composite -	0.1100	1717942	1622406	1506398	440148	0	0	0
<u>New Collection Wells - 2012 Permit</u>								
711020 - Parts and Supplies:								
Collection Wellhead Materials -	1,000.00	30	15	15	15	0	0	0
Piping and Fittings -	500.00	100	5	5	5	0	0	0
Valves -	200.00	5	5	5	5	0	0	0
Meters -	120.00	2	2	2	2	0	0	0
Electrical System Parts -	500.00	30	15	15	15	0	0	0

GRANTS PROJECT
Closure Cost Estimate
Unit Costs/Quantities
2019 Through Completion

WATER TREATMENT (Cont.) XXXXXX-810-23-5100		UNIT COST	2019	2020	2021	2022	2023	2024
712010 - Pumps:								
	Submersible Pumps -	2,100.00	30	15	15	15	0	0
K-Line								
711020 - Parts and Supplies:								
	Collection Wellhead Materials -	1,000.00	1	1	0	0	0	0
	Piping and Fittings -	500.00	1	1	0	0	0	0
	Valves -	200.00	1	1	0	0	0	0
	Meters -	120.00	1	1	0	0	0	0
	Electrical System Parts -	500.00	1	1	0	0	0	0
712010 - Pumps:								
	Submersible Pumps -	2,100.00	1	1	0	0	0	0
610020 - Utilities:								
	Electrical Meter 453183000 -	0.1100	3000	3000	0	0	0	0
B-Line								
711020 - Parts and Supplies:								
	Collection Wellhead Materials -	1,000.00	1	1	1	1	0	0
	Piping and Fittings -	500.00	1	1	1	1	0	0
	Valves -	200.00	1	1	1	1	0	0
	Meters -	120.00	1	1	1	1	0	0
	Electrical System Parts -	500.00	1	1	1	1	0	0
712010 - Pumps:								
	Submersible Pumps -	2,100.00	1	1	1	1	0	0
D-Line								
711020 - Parts and Supplies:								
	Collection Wellhead Materials -	1,000.00	0	0	0	0	0	0
	Piping and Fittings -	500.00	0	0	0	0	0	0
	Valves -	200.00	0	0	0	0	0	0
	Meters -	120.00	0	0	0	0	0	0
	Electrical System Parts -	500.00	0	0	0	0	0	0
712010 - Pumps:								
	Submersible Pumps -	2,100.00	0	0	0	0	0	0
S-Line								
711020 - Parts and Supplies:								
	Collection Wellhead Materials -	1,000.00	0	0	0	0	0	0
	Piping and Fittings -	500.00	0	0	0	0	0	0
	Valves -	200.00	0	0	0	0	0	0
	Meters -	120.00	0	0	0	0	0	0
	Electrical System Parts -	500.00	0	0	0	0	0	0
712010 - Pumps:								
	Submersible Pumps -	2,100.00	0	0	0	0	0	0
610020 - Utilities:								
	Electrical Meter 453088300 -	0.1100	0	0	0	0	0	0
P-Line								
711020 - Parts and Supplies:								
	Collection Wellhead Materials -	1,000.00	0	0	0	0	0	0
	Piping and Fittings -	500.00	0	0	0	0	0	0
	Valves -	200.00	0	0	0	0	0	0
	Meters -	120.00	0	0	0	0	0	0
	Electrical System Parts -	500.00	0	0	0	0	0	0

GRANTS PROJECT
Closure Cost Estimate
Unit Costs/Quantities
2019 Through Completion

WATER TREATMENT (Cont.) XXXXXX-810-23-5100		UNIT COST	2019	2020	2021	2022	2023	2024
712010 - Pumps:								
	Submersible Pumps -	2,100.00	0	0	0	0	0	0
610020 - Utilities:								
	Electrical Meter 433985700 -	0.1100	3000	3000	3000	0	0	0
<u>T-Line</u>								
711020 - Parts and Supplies:								
	Collection Wellhead Materials -	1,000.00	2	2	2	0	0	0
	Piping and Fittings -	500.00	1	1	1	0	0	0
	Valves -	200.00	2	2	2	0	0	0
	Meters -	120.00	2	2	2	0	0	0
	Electrical System Parts -	500.00	2	2	2	0	0	0
712010 - Pumps:								
	Submersible Pumps -	2,100.00	2	2	2	0	0	0
<u>L-Line</u>								
711020 - Parts and Supplies:								
	Collection Wellhead Materials -	1,000.00	0	0	0	0	0	0
	Piping and Fittings -	500.00	0	0	0	0	0	0
	Valves -	200.00	0	0	0	0	0	0
	Meters -	120.00	0	0	0	0	0	0
	Electrical System Parts -	500.00	0	0	0	0	0	0
712010 - Pumps:								
	Submersible Pumps -	2,100.00	0	0	0	0	0	0
610020 - Utilities:								
	Electrical Meter 453195100 -	0.1100	0	0	0	0	0	0
<u>521, 522, and 639</u>								
711020 - Parts and Supplies:								
	Collection Wellhead Materials -	1,000.00	1	0	0	0	0	0
	Piping and Fittings -	500.00	1	0	0	0	0	0
	Valves -	200.00	1	0	0	0	0	0
	Meters -	120.00	1	0	0	0	0	0
	Electrical System Parts -	500.00	1	0	0	0	0	0
712010 - Pumps:								
	Submersible Pumps -	2,100.00	1	0	0	0	0	0
610020 - Utilities:								
	Electrical Meter 453196200 -	0.1100	20000	20000	20000	20000	0	0
Groundwater Injection								
714090 - Outside Services:								
	Surveyor -	2,000.00	1	1	1	1	0	0
711040 - Consulting Services:								
	Hydrologist/Engineer -	20,000.00	1	1	1	1	0	0
<u>Deep Wells</u>								
711020 - Parts and Supplies:								
	Collection Wellhead Materials -	1,500.00	1	1	1	1	1	1
	Piping and Fittings -	500.00	1	1	1	1	1	1
	Valves -	450.00	1	1	1	1	1	1

GRANTS PROJECT
Closure Cost Estimate
Unit Costs/Quantities
2019 Through Completion

WATER TREATMENT (Cont.) XXXXXX-810-23-5100		UNIT COST	2019	2020	2021	2022	2023	2024
711020 - Parts and Supplies (Cont.):								
	Meters -	2,000.00	1	1	1	1	1	1
	Electrical System Parts -	1,000.00	1	1	1	1	1	1
712010 - Pumps:								
	Submersible Pumps -	5,000.00	1	1	1	1	1	1
610020 - Utilities:								
	Electrical Meter 453180401 -	0.1100	262640	262640	262640	262640	93800	93800
	Electrical Meter 453190200 -	0.1100	10000	10000	10000	10000	10000	10000
WR-Line								
711020 - Parts and Supplies:								
	Injection Wellhead Materials -	350.00	0	0	0	0	0	0
	Piping and Fittings -	500.00	0	0	0	0	0	0
	Valves -	200.00	0	0	0	0	0	0
	Meters -	120.00	0	0	0	0	0	0
M-Line								
711020 - Parts and Supplies:								
	Injection Wellhead Materials -	350.00	0	0	0	0	0	0
	Piping and Fittings -	500.00	0	0	0	0	0	0
	Valves -	200.00	0	0	0	0	0	0
	Meters -	120.00	0	0	0	0	0	0
B-Line								
711020 - Parts and Supplies:								
	Injection Wellhead Materials -	350.00	0	0	0	0	0	0
	Piping and Fittings -	500.00	0	0	0	0	0	0
	Valves -	200.00	0	0	0	0	0	0
	Meters -	120.00	0	0	0	0	0	0
New Collection Wells - 2012 Permit								
711020 - Parts and Supplies:								
	Injection Wellhead Materials -	350.00	100	35	35	35	0	0
	Piping and Fittings -	500.00	100	5	5	5	0	0
	Valves -	200.00	5	5	5	5	0	0
	Meters -	120.00	2	2	2	2	0	0
K-Line								
711020 - Parts and Supplies:								
	Injection Wellhead Materials -	350.00	0	0	0	0	0	0
	Piping and Fittings -	500.00	0	0	0	0	0	0
	Valves -	200.00	0	0	0	0	0	0
	Meters -	120.00	0	0	0	0	0	0
J-Line								
711020 - Parts and Supplies:								
	Injection Wellhead Materials -	350.00	0	0	0	0	0	0
	Piping and Fittings -	500.00	0	0	0	0	0	0
	Valves -	200.00	0	0	0	0	0	0
	Meters -	120.00	0	0	0	0	0	0

GRANTS PROJECT
Closure Cost Estimate
Unit Costs/Quantities
2019 Through Completion

WATER TREATMENT (Cont.) XXXXXX-810-23-5100		UNIT COST	2019	2020	2021	2022	2023	2024
<u>X-Line</u>								
711020 - Parts and Supplies:								
	Injection Wellhead Materials -	350.00	0	0	0	0	0	0
	Piping and Fittings -	500.00	0	0	0	0	0	0
	Valves -	200.00	0	0	0	0	0	0
	Meters -	120.00	0	0	0	0	0	0
<u>G-Line</u>								
711020 - Parts and Supplies:								
	Injection Wellhead Materials -	350.00	0	0	0	0	0	0
	Piping and Fittings -	500.00	0	0	0	0	0	0
	Valves -	200.00	0	0	0	0	0	0
	Meters -	120.00	0	0	0	0	0	0
<u>D-Line</u>								
711020 - Parts and Supplies:								
	Injection Wellhead Materials -	350.00	2	2	2	2	0	0
	Piping and Fittings -	500.00	1	1	1	1	0	0
	Valves -	200.00	2	2	2	2	0	0
	Meters -	120.00	2	2	2	2	0	0
<u>T-Line</u>								
711020 - Parts and Supplies:								
	Injection Wellhead Materials -	350.00	3	1	1	1	0	0
	Piping and Fittings -	500.00	1	1	1	1	0	0
	Valves -	200.00	3	1	1	1	0	0
	Meters -	120.00	3	1	1	1	0	0
<u>S-Line</u>								
711020 - Parts and Supplies:								
	Injection Wellhead Materials -	350.00	1	1	1	1	0	0
	Piping and Fittings -	500.00	1	1	1	1	0	0
	Valves -	200.00	1	1	1	1	0	0
	Meters -	120.00	1	1	1	1	0	0
<u>Upper Chinle</u>								
711020 - Parts and Supplies:								
	Injection Wellhead Materials -	350.00	0	0	0	0	0	0
	Piping and Fittings -	500.00	0	0	0	0	0	0
	Valves -	200.00	0	0	0	0	0	0
	Meters -	120.00	0	0	0	0	0	0
<u>Middle Chinle</u>								
711020 - Parts and Supplies:								
	Injection Wellhead Materials -	350.00	0	0	0	0	0	0
	Piping and Fittings -	500.00	0	0	0	0	0	0
	Valves -	200.00	0	0	0	0	0	0
	Meters -	120.00	0	0	0	0	0	0

WATER TREATMENT (Cont.)
XXXXXX-810-23-5100

714090 - Outside Services:

UNIT COST	2024					
	2019	2020	2021	2022	2023	2024
8,000.00	1	1	1	1	0	0
10,000.00	1	1	1	1	0	0
10,000.00	2	2	2	2	0	0
5,000.00	4	4	4	4	0	0
15,000.00	1	1	1	1	0	0
0.1100	2307600	2307600	2307600	1636920	10000	10000
0.4800	5700	5700	5700	5700	5700	0
1,000.00	1	1	1	1	0	0
4,000.00	1	1	1	1	0	0
4,000.00	1	1	1	1	0	0
3,000.00	0	0	0	0	0	0
10,000.00	1	1	1	1	0	0
15,000.00	1	1	1	1	0	0
10.50	1,400.00	1,400.00	1,400.00	863.33	0	0
542.00	144.00	144.00	144.00	144.00	0	0
595.00	42.00	42.00	42.00	42.00	0	0
2.62	200	200	200	200	0	0
2,000.00	1	1	1	1	0	0
0.42	1,200,000	1,200,000	1,200,000	740,000	0	0
0.30	1,000,000	1,000,000	1,000,000	616,667	0	0
1,053.00	16.00	16.00	16.00	9.87	0	0
0.18	1,200,000	1,200,000	1,200,000	740,000	0	0
10.25	310.00	310.00	310.00	191.17	0	0
1,429.00	4.00	4.00	4.00	4.00	0	0
2,000.00	1	1	1	1	0	0
2,000.00	1	1	1	1	0	0
2,000.00	1	1	1	1	0	0
20,000.00	1	1	1	1	0	0
90.00	0	0	0	0	0	0
225.00	50	50	12	12	0	0
72.00	0	0	0	0	0	0
345.00	0	0	0	0	0	0
90.00	0	0	0	0	0	0
197.00	50	50	12	12	0	0
99.00	28	28	28	28	0	0
108.00	50	50	50	50	0	0
112.50	0	0	0	0	0	0
130.50	20	20	20	20	0	0
15.00	60	60	60	60	0	0

712010 - Pumps:

711030 - Water Analysis:

GRANTS PROJECT
Closure Cost Estimate
Unit Costs/Quantities
2019 Through Completion

WATER TREATMENT (Cont.)
XXXXXX-810-23-5100

UNIT COST		2019	2020	2021	2022	2023	2024
Expanded R.O. Water Treatment							
714090 - Outside Services:							
R.O. System Upgrade Placeholder -	500,000.00	0	0	0	0	0	0
Pump/motor repair -	5,000.00	1	1	1	1	0	0
Power Supply Upgrade Placeholder -	75,000.00	0	0	0	0	0	0
711040 - Consulting Services:							
Hydrologist/Engineer -	5,000.00	1	1	1	1	0	0
R.O. Engineer -	5,000.00	1	1	1	1	0	0
Electronics -	15,000.00	1	1	1	1	0	0
711020 - Parts and Supplies:							
Piping and Fittings -	1,000.00	1	1	1	1	0	0
Valves -	4,000.00	1	1	1	1	0	0
Meters -	4,000.00	1	1	1	1	0	0
Computer -	3,000.00	0	0	0	0	0	0
Equipment Maintenance/Upgrade -	10,000.00	1	1	1	1	0	0
Instruments -	15,000.00	1	1	1	1	0	0
Filters -	10.50	1,400	1,400	1,400	863	0	0
Membranes (LPRO) -	542.00	93.00	93.00	93.00	93.00	0	0
Membranes (HPRO) -	595.00	28.00	28.00	28.00	28.00	0	0
Citric Acid -	2.62	0	0	0	0	0	0
Air Diffusers -	2,000.00	1	1	1	1	0	0
Caustic Soda -	0.42	1,200,000	1,200,000	1,200,000	740,000	0	0
Sulfuric Acid -	0.30	1,000,000	1,000,000	1,000,000	616,667	0	0
Anti-Scalant -	1,053.00	16	16	16	10	0	0
Lime (Bulk) -	0.18	1,200,000	1,200,000	1,200,000	740,000	0	0
Muriatic Acid -	10.25	310	310	310	191	0	0
Liquid Citric Acid or Other Cleaner -	2,000.00	12	12	12	12	0	0
Membrane Cleaner -	1,429.00	3	3	3	3	0	0
Building / Facility -	2,000.00	1	1	1	1	0	0
Heating / AC -	2,000.00	1	1	1	1	0	0
Electrical -	2,000.00	1	1	1	1	0	0
711030 - Water Analysis:							
A-list	90.00	0	0	0	0	0	0
B-list	225.00	20	20	20	20	0	0
C-list	72.00	0	0	0	0	0	0
D-list	345.00	0	0	0	0	0	0
E-list	90.00	0	0	0	0	0	0
F-list	197.00	20	20	20	20	0	0
G-list	99.00	50	50	50	50	0	0
H-list	108.00	30	30	30	30	0	0
I-list	112.50	0	0	0	0	0	0
J-list	130.50	24	24	24	24	0	0
KPA Samples	15.00	60	60	60	60	0	0
610020 - Utilities:							
Electrical Meter	0.1100	2307600	2307600	2307600	1636920	10000	10000
High Pressure RO Electrical Consumption -	0.1100	1287000	1287000	1287000	995400	10000	10000
Natural Gas Meter -	0.4800	5700	5700	5700	5700	5700	5700

GRANTS PROJECT
Closure Cost Estimate
Unit Costs/Quantities
2019 Through Completion

WATER TREATMENT (Cont.)

XXXXXX-810-23-5100

Zeolite Water Treatment

714090 - Outside Services:

Electrician -

1,000.00

0

0

0

0

0

0

711040 - Consulting Services:

Water Treatment Consultant

10,000.00

5

5

5

3

0

0

Engineer -

10,000.00

2

2

2

2

0

0

711020 - Parts and Supplies:

Piping, Tankage and Fittings -

5,000.00

1

1

1

1

0

0

Valves -

200.00

0

0

0

0

0

0

Meters -

500.00

2

2

2

2

0

0

Instruments -

1,000.00

2

2

2

2

0

0

Data Control Equipment -

12,000.00

0

0

0

0

0

0

Sulfuric Acid -

0.30

Placeholder Consumable \$(gal treated) -

0.00300

0

0

0

0

0

0

Acid Metering Pumps -

1,200.00

1

1

1

1

0

0

711030 - Water Analysis:

A-list

90.00

0

0

0

0

0

0

B-list

225.00

60

60

60

60

0

0

C-list

72.00

0

0

0

0

0

0

D-list

345.00

0

0

0

0

0

0

E-list

90.00

0

0

0

0

0

0

F-list

197.00

60

60

60

60

0

0

G-list

99.00

150

150

150

150

0

0

H-list

108.00

100

100

100

100

0

0

I-list

112.50

0

0

0

0

0

0

J-list

130.50

40

40

40

40

0

0

KPA Samples

15.00

200

200

200

200

0

0

610020 - Utilities:

Electrical Meter

0.1100

100000

100000

100000

100000

0

0

Natural Gas Meter -

0.4800

0

0

0

0

0

0

GRANTS PROJECT
Closure Cost Estimate
Unit Costs/Quantities
2019 Through Completion

WATER TREATMENT (Cont.) XXXXXX-810-23-5100		UNIT COST	2019	2020	2021	2022	2023	2024
Alternate Remediation Testing								
714090 - Outside Services:								
Electrician -	1,000.00	0	0	0	0	0	0	0
711040 - Consulting Services:								
Water Treatment Consultant	10,000.00	0	0	0	0	0	0	0
Engineer -	10,000.00	0	0	0	0	0	0	0
711020 - Parts and Supplies:								
Piping, Tankage and Fittings -	5,000.00	0	0	0	0	0	0	0
Valves -	200.00	0	0	0	0	0	0	0
Meters -	500.00	0	0	0	0	0	0	0
Instruments -	1,000.00	0	0	0	0	0	0	0
Data Control Equipment -	12,000.00	0	0	0	0	0	0	0
Placeholder Consumable (lbs) -	1.00	0	0	0	0	0	0	0
Placeholder Consumable \$/gal treated -	0.00300	0	0	0	0	0	0	0
712010 - Pumps:								
Pumps -	2,100.00	0	0	0	0	0	0	0
711030 - Water Analysis:								
A-list	90.00	0	0	0	0	0	0	0
B-list	225.00	0	0	0	0	0	0	0
C-list	72.00	0	0	0	0	0	0	0
D-list	345.00	0	0	0	0	0	0	0
E-list	90.00	0	0	0	0	0	0	0
F-list	197.00	0	0	0	0	0	0	0
G-list	99.00	0	0	0	0	0	0	0
H-list	108.00	0	0	0	0	0	0	0
I-list	112.50	0	0	0	0	0	0	0
J-list	130.50	0	0	0	0	0	0	0
KPA Samples	15.00	0	0	0	0	0	0	0
--Evaporation System Management--								
714090 - Outside Services:								
Electrician -	2,000.00	5	5	5	5	5	2	
Pump/motor Repair -	5,000.00	4	4	4	4	4	2	
Liner Repair -	20,000.00	426	1	1	1	0	0	
Electrical Power Repair	175,000.00	0	0	0	0	0	0	
711040 - Consulting Services:								
Hydrologist/Engineer -	10,000.00	2	2	2	2	1	0	
Odor Control -	20,000.00	1	1	1	1	1	0	
711030 - Water Analysis:								
A-list	90.00	0	0	0	0	0	0	
B-list	225.00	40	40	20	20	0	0	
C-list	72.00	0	0	0	0	0	0	
D-list	345.00	0	0	0	0	0	0	
E-list	90.00	0	0	0	0	0	0	
F-list	197.00	40	40	20	20	0	0	
G-list	99.00	0	0	0	0	0	0	
H-list	108.00	40	40	40	40	0	0	
I-list	112.50	0	0	0	0	0	0	
J-list	130.50	0	0	0	0	0	0	
KPA Samples	15.00	10	10	10	10	0	0	

GRANTS PROJECT
Closure Cost Estimate
Unit Costs/Quantities
2019 Through Completion

WATER TREATMENT (Cont.) XXXXXX-810-23-5100		UNIT COST	2019	2020	2021	2022	2023	2024
610020 - Utilities:								
Electrical Meter 453180401 -	0.1100	2731634	2731634	2731634	2731634	2731634	0	
East Collection Pond								
711020 - Parts and Supplies:								
Piping and Fittings -	2,000.00	1	1	1	1	1	0	
Copper Sulfate -	3.67	20000	20000	20000	20000	20000	0	
Citric Acid -	2.62	2000	2000	2000	2000	2000	0	
Valves -	1,000.00	1	1	1	1	1	0	
Meters -	2,000.00	1	1	1	1	1	0	
West Collection Pond								
711020 - Parts and Supplies:								
Piping and Fittings -	2,000.00	1	1	1	1	1	0	
Copper Sulfate -	3.67	20000	20000	20000	20000	20000	0	
Citric Acid -	2.62	2000	2000	2000	2000	2000	0	
Sludge Transfer Materials -	45,000.00	0	0	0	0	0	0	
Valves -	1,000.00	1	1	1	1	1	0	
Meters -	2,000.00	1	1	1	1	1	0	
No. 1 Evaporation Pond								
711020 - Parts and Supplies:								
Piping and Fittings -	2,000.00	1	1	1	1	1	0	
General Spray Nozzles -	64.00	20	20	20	20	20	0	
Valves -	1,000.00	1	1	1	1	1	0	
Meters -	2,000.00	1	1	1	1	1	0	
Citric Acid -	2.62	3000	3000	3000	3000	3000	0	
Copper Sulfate -	3.67	30000	30000	30000	30000	30000	0	
Nozzle for Turbo-Mist Unit -	32.15	60	60	60	60	60	0	
712010 - Pumps:								
Turbo-Mist Unit -	75,000.00	2	2	0	0	0	0	
Centrifugal Pumps -	5,000.00	1	1	1	1	1	0	
Centrifugal Pump Parts -	2,000.00	1	1	1	1	1	0	
Pump and Motor Repair for Turbo-Mist Unit -	5,000.00	1	1	1	1	1	0	
No. 2 and No. 3 Evaporation Ponds								
711020 - Parts and Supplies:								
Piping and Fittings (Pond 2)-	2,000.00	1	1	1	1	1	0	
Spray Nozzles (Pond 2)-	64.00	20	20	20	20	20	0	
Valves (Pond 2)-	1,000.00	1	1	1	1	1	0	
Meters (Pond 2)-	2,000.00	1	1	1	1	1	0	
Citric Acid (Pond 2)-	2.62	3000	3000	3000	3000	3000	0	
Copper Sulfate (Pond 2)-	3.67	30000	30000	30000	30000	30000	0	
Piping and Fittings (Pond 3)-	2,000.00	1	1	1	1	1	0	
Spray Nozzles (Pond 3)-	64.00	20	20	20	20	20	0	
Valves (Pond 3)-	1,000.00	1	1	1	1	1	0	
Meters (Pond 3)-	2,000.00	1	1	1	1	1	0	
Citric Acid (Pond 3)-	2.62	0	0	0	0	0	0	
Copper Sulfate (Pond 3)-	3.67	0	0	0	0	0	0	
712010 - Pumps:								
Centrifugal Pumps (Pond 2)-	5,000.00	1	1	1	1	1	0	
Centrifugal Pump Parts(Pond 2)-	2,000.00	1	1	1	1	1	0	
Centrifugal Pumps (Pond 3)-	5,000.00	1	1	1	1	1	0	
Centrifugal Pump Parts(Pond 3)-	2,000.00	1	1	1	1	1	0	

GRANTS PROJECT
Closure Cost Estimate
Unit Costs/Quantities
2019 Through Completion

WATER TREATMENT (Cont.)
XXXXXX-810-23-5100

UNIT COST		2019	2020	2021	2022	2023	2024
--Land Application Area Management and Closure--							
714090 - Outside Services:							
Electrician -	2,000.00	2	2	0	0	0	0
Continental Divide -	5,000.00	0	0	0	0	0	0
Surveying -	2,000.00	0	0	0	0	0	0
Vegetation and Field Maintenance -	5,000.00	4	4	4	4	0	0
Pump/motor Repair -	2,000.00	0	0	0	0	0	0
711040 - Consulting Services:							
Hydrologist/Engineer -	15,000.00	0	0	0	0	0	0
Other -	5,000.00	0	0	0	0	0	0
711020 - Parts and Supplies:							
Agricultural Equipment Maintenance -	5,000.00	1	1	1	1	0	0
Agricultural Equipment Fuel -	2.29	200	200	200	200	0	0
Lubricants -	250.00	1	1	1	1	0	0
Permanent Vegetation Seed -	2,000.00	0	0	0	0	0	0
Cereal Grains -	0.90	0	0	0	0	0	0
Fertilizer -	0.15	0	0	0	0	0	0
Fencing -	2,000.00	1	1	1	1	0	0
718070 - Vegetation Analysis:	70.50	10	10	10	10	0	0
718030 - Soil Analysis:	367.50	30	30	30	30	0	0
711030 - Water Analysis:							
A-list	90.00	0	0	0	0	0	0
B-list	225.00	3	3	3	3	0	0
C-list	72.00	0	0	0	0	0	0
D-list	345.00	0	0	0	0	0	0
E-list	90.00	0	0	0	0	0	0
F-list	197.00	3	3	3	3	0	0
G-list	99.00	4	4	4	4	0	0
H-list	108.00	10	10	10	10	0	0
I-list	112.50	5	5	5	5	0	0
J-List	130.50	8	8	8	8	0	0
KPA Samples	15.00	20	20	20	20	0	0
Section 34 Land Application Area							
Section 34 Land Application Closure							
714090 - Outside Services:							
Irrigation Systems and Equipment Removal -	10,000.00	0	0	0	0	0	0
Soil Grading and Stabilization	10,000.00	0	0	0	0	0	0
Equipment Disposal -	10,000.00	0	0	0	0	0	0

GRANTS PROJECT
 Closure Cost Estimate
 Unit Costs/Quantities
 2019 Through Completion

WATER TREATMENT (Cont.)
 XXXXXX-810-23-5100

WATER TREATMENT (Cont.) XXXXXX-810-23-5100		UNIT COST					
		2019	2020	2021	2022	2023	2024
Section 28 Land Application Area							
Section 28 Land Application Closure							
714090 - Outside Services:							
Center Pivot and Equipment Removal -	10,000.00	0	0	0	0	0	0
Soil Grading and Stabilization	10,000.00	0	0	0	0	0	0
Equipment Disposal -	10,000.00	0	0	0	0	0	0

Section 33 Land Application Area

Section 33 Land Application Closure							
714090 - Outside Services:							
Center Pivot and Equipment Removal -	10,000.00	0	0	0	0	0	0
Soil Grading and Stabilization	10,000.00	0	0	0	0	0	0
Equipment Disposal -	10,000.00	0	0	0	0	0	0

GRANTS PROJECT
Closure Cost Estimate
Unit Costs/Quantities
2019 Through Completion

MONITORING/REGULATORY XXXXXX-810-23-5200		UNIT COST	2019	2020	2021	2022	2023	2024
--General--								
718900 - NRC Fees:	150,000.00	1	1	1	1	1	1	1
718025 - Permitting Fees:	5,000.00	1	1	1	1	1	1	1
711040 - Consulting Services:								
Hydrologist/Engineer -								
Annual Report-	20,000.00	3	3	3	3	1	1	1
CAP-	20,000.00	30	10	0	0	0	0	0
ACL-	20,000.00	0	0	10	10	5	0	0
Numerical Modeling-	40,000.00	2	2	0	0	0	0	0
ALARA Consulting -	20,000.00	1	1	1	1	1	1	1
General Consulting -	10,000.00	1	1	1	1	1	1	1
DOE Reporting -	20,000.00	1	1	1	1	1	1	1
DP Renewal -	20,000.00	0	0	0	0	0	0	0
EPA Oversight -	20,000.00	4	4	4	4	8	2	2
Radiological Consulting and RSO services -	20,000.00	8	8	8	8	8	8	8
Placeholder Consulting -	20,000.00	0	0	0	0	0	0	0
--Air / Weather Monitoring--								
714090 - Outside Services:	5,500.00	2	2	2	2	2	2	2
711020 - Parts and Supplies:	500.00	1	1	1	1	1	1	1
610020 - Utilities:								
Electrical Meter 453181900 -	0.1100	44000	44000	44000	44000	44000	44000	44000
--Radiation Monitoring--								
714090 - Outside Services:	2,000.00	5	5	5	5	3	3	3
711020 - Parts and Supplies:								
Bioassay Sample Bottles -	0.59	400	400	400	400	400	400	400
High Vol Filters -	347.00	4	4	4	4	4	4	4
High Vol Parts -	2,000.00	3	3	3	3	3	3	3
Lab Instrument Parts -	1,000.00	1	1	1	1	1	1	1
OSL Badges -	30.00	400	400	400	400	400	400	400
Radon Cups -	20.00	156	156	156	156	156	156	156
Miscellaneous Parts -	500.00	1	1	1	1	1	1	1
718030 - Lab Fees:								
Bioassay Samples -	40.00	400	400	400	400	400	400	400
High Vol Samples -	260.00	32	32	32	32	32	32	32
Radon Cup Analysis -	88.00	156	156	156	156	156	156	156
610020 - Utilities:								
Electrical Meter 433983700 -	0.1100	6200	6200	6200	6200	6200	6200	6200
Electrical Meter 453094400 -	0.1100	6200	6200	6200	6200	6200	6200	6200
Electrical Meter 600986000 -	0.1100	6200	6200	6200	6200	6200	6200	6200
Electrical Meter 453280400 -	0.1100	6200	6200	6200	6200	6200	6200	6200
Electrical Meter 600095200 -	0.1100	6200	6200	6200	6200	6200	6200	6200
Electrical Meter 453191600 -	0.1100	6200	6200	6200	6200	6200	6200	6200
711040 - Radiation Training:								
Annual Radiation Refresher -	2,000.00	1	1	1	1	1	1	1
Employee Radiation Training -	1,000.00	1	1	1	1	1	1	1

GRANTS PROJECT
Closure Cost Estimate
Unit Costs/Quantities
2019 Through Completion

MONITORING/REGULATORY (Cont.)
XXXXXX-810-23-5200

MONITORING/REGULATORY (Cont.) XXXXXX-810-23-5200		UNIT COST						
			2019	2020	2021	2022	2023	2024
--Settlement Monument Monitoring--								
714090 - Outside Services:								
Surveying -	5,000.00	2	2	2	2	2	1	
Report Development -	2,000.00	0	0	0	0	0	0	

HOLDING
XXXXXX-811-23-5300

HOLDING XXXXXX-811-23-5300		UNIT COST						
			2019	2020	2021	2022	2023	2024
--Land--								
790060 - Land Purchase:		0.00	0	0	0	0	0	0
790090 - Land Rental:		0.00	0	0	0	0	0	0
790110 - Title Commitment Policy:		0.00	0	0	0	0	0	0
790010 - Appraisal :		0.00	0	0	0	0	0	0
790120 - Land Improvements:								
	Fencing -	2,000.00	1	1	1	1	1	1
	Water Development -	2,000.00	1	1	1	1	1	1
	Clean-up -	2,000.00	1	1	1	1	1	1
623010 - Property Tax:		25,000.00	1	1	1	1	1	1
790120 - Surveying / Mapping:		15,000.00	1	1	1	1	1	1

SECURITY AND MAINTENANCE
XXXXXX-811-23-5400

SECURITY AND MAINTENANCE XXXXXX-811-23-5400		UNIT COST						
			2019	2020	2021	2022	2023	2024
--Land and Structures--								
717030 - Surveillance:		4,000.00	1	1	1	1	1	1

SEVERANCE AND RELOCATION
XXXXXX-XXX-XX-XXXX

SEVERANCE AND RELOCATION XXXXXX-XXX-XX-XXXX		UNIT COST						
			2019	2020	2021	2022	2023	2024
--Severance and Relocation--								
xxxxxx - Severance and Relocation:	0.00	0	0	0	0	0	0	0

GRANTS PROJECT
Closure Cost Estimate
Unit Costs/Quantities
2019 Through Completion

GENERAL AND ADMIN. XXXXXX-811-23-5500		UNIT COST	2019	2020	2021	2022	2023	2024
--Salaries and Benefits--								
<u>Managerial</u>								
600000 - General Salaries - Closure Manager	110,000.00	1	1	1	1	1	1	1
600040 - Benefits - Closure Manager	49,500.00	1	1	1	1	1	1	1
600000 - General Salaries - Proj. Hydrogeologist	100,000.00	1	1	1	1	1	1	1
600040 - Benefits - Proj. Hydrogeologist	45,000.00	1	1	1	1	1	1	1
600000 - General Salaries - Engineering	100,000.00	1	1	1	1	1	1	1
600040 - Benefits - Engineering	45,000.00	1	1	1	1	1	1	1
600000 - General Salaries - Compliance	100,000.00	1	1	1	1	1	1	1
600040 - Benefits - Compliance	45,000.00	1	1	1	1	1	1	1
600000 - General Salaries - Community Relations	75,000.00	1	1	1	1	1	1	1
600040 - Benefits - Community Relations	33,750.00	1	1	1	1	1	1	1
<u>Foreman and Technical</u>								
600001 - GW Salaries - Project Foreman	80,000.00	1	1	1	1	1	1	1
600040 - Benefits - Project Foreman	36,000.00	1	1	1	1	1	1	1
600001 - GW Salaries - Env. Technicians	50,000.00	6	6	6	6	4	2	2
600040 - Benefits - Env. Technicians	22,500.00	6	6	6	6	4	2	2
600001 - GW Salaries - Admin. Asst.	40,000.00	1	1	1	1	1	1	1
600040 - Benefits - Admin. Asst.	18,000.00	1	1	1	1	1	1	1
<u>Overtime</u>								
600001 - Employee Overtime	10,000.00	8	7	7	6	5	2	2
<u>Other</u>								
600050 - Temporary Labor:	15,000.00	15	15	15	15	0	0	0
601060 - Workman's Compensation:	60,000.00	0	0	0	0	0	0	0
601130 - Memberships:	16,400.00	1	1	1	1	1	1	1
601140 - Seminars and Training:	5,000.00	1	1	1	1	1	1	1
603000 - Employee Relations:	5,000.00	1	1	1	1	1	1	1
--General Office Costs--								
622000 - Stationary & Supplies:	15,000.00	1	1	1	1	1	1	1
622040 - Publications & Subscriptions:	1,000.00	0	0	0	0	0	0	0
622050 - Miscellaneous:	1,500.00	1	1	1	1	1	1	1
622070 - Lunch / Dinners:	500.00	0	0	0	0	0	0	0
Community Relations:	1,000.00	54	54	54	54	54	54	54
--Occupancy Costs--								
610030 - Office - Other:	13,000.00	1	1	1	1	1	1	1
--Communication Costs--								
620010 - Telephone/Fax/Data Line:	14,000.00	1	1	1	1	1	1	1
620060 - Postage / Courier:	17,000.00	1	1	1	1	1	1	1
--Data Processing Costs--								
621000 - Equipment Rental / Leases:	13,000.00	1	1	1	1	1	1	1
--Taxes, Licenses, and Fees--								
623000 - Office - Other:	300.00	1	1	1	1	1	1	1
--Insurance--								
624040 - Insurance:	24,000.00	1	1	1	1	1	1	1

GRANTS PROJECT
Closure Cost Estimate
Unit Costs/Quantities
2019 Through Completion

GENERAL AND ADMIN. (Cont.)
XXXXXX-811-23-5500

GENERAL AND ADMIN. (Cont.) XXXXXX-811-23-5500		UNIT COST						
			2019	2020	2021	2022	2023	2024
--Travel and Accommodation--								
640000 - Travel - Air:		5,000.00	1	1	1	1	1	1
640020 - Travel - Accommodation:		5,000.00	1	1	1	1	1	1
640030 - Travel - Taxis:		2,000.00	1	1	1	1	1	1
640050 - Travel - Gas:		8,000.00	1	1	1	1	1	1
640060 - Travel - Meals:		1,000.00	1	1	1	1	1	1
Meals and Entertainment		5,000.00	1	1	1	1	1	1
--Professional Fees--								
670000 - Legal Fees:		15,000.00	1	1	1	1	1	1
--Outside Services--								
714090 - Worker's Comp. Admin:		8,000.00	0	0	0	0	0	0
IT Consulting Services		20,000.00	1.8	1.8	1.8	1.8	0.75	0
Misc.(Grants Clinic)		5,000.00	1	1	1	1	1	1

MISCELLANEOUS INCOME
XXXXXX-XXX-XX-XXXX

MISCELLANEOUS INCOME XXXXXX-XXX-XX-XXXX	UNIT COST	2019	2020	2021	2022	2023	2024
--Misc. Income--							
499000 - Misc. Income:							
	-25,000.00	0	0	0	0	0	0

GRANTS PROJECT
Unit Costs

	A	B	C	D	E	F	G	H	I	J	K	L
1	UNIT COSTS											
2												
3												
4												
5	--Fuel--											
6												
7		unit cost	units									
8	Diesel	2.29	\$/gal		Updt. 2018							
9	Gasoline	2.50	\$/gal		Updt. 2018							
10												
11												
12	--Water Analysis--											
13												
14	Analytical Constituent Lists	unit cost	units							Supplies/shipping		
15	A-LIST	90	\$/sample		Updt. 2017 by comparing with 2016 billing for selected samples					2015 Price /filtering cost est.		
16	B-LIST	225	\$/sample		Updt. 2017 by comparing with 2016 billing for selected samples					45	45	
17	C-LIST	72	\$/sample		Updt. 2017 by comparing with 2016 billing for selected samples					180	45	
18	D-LIST	345	\$/sample		Updt. 2017 by comparing with 2016 billing for selected samples					27	45	
19	E-LIST	90	\$/sample		Updt. 2017 by comparing with 2016 billing for selected samples					300	45	
20	F-LIST	197	\$/sample		Updt. 2017 by comparing with 2016 billing for selected samples					45	45	
21	G-LIST	99	\$/sample		Updt. 2017 by comparing with 2016 billing for selected samples					152	45	
22	H-LIST	108	\$/sample		Updt. 2017 by comparing with 2016 billing for selected samples					54	45	
23	I-LIST	112.5	\$/sample		Updt. 2017 by comparing with 2016 billing for selected samples					63	45	
24	COLUMN TESTS	153	\$/sample		Updt. 2017 by comparing with 2016 billing for selected samples					67.5	45	
25	J-LIST	130.5	\$/sample		Updt. 2017 by comparing with 2016 billing for selected samples					108	45	
26	KPA Sample	15	\$/sample		Updt. 2017 by comparing with 2016 billing for selected samples					85.5	45	
27												
28	--Vegetation Analysis--											
29												
30		unit cost	units							Shipping/		
31		70.5	\$/sample		Updt. 2016 by increasing shipping/supplies/misc.					Supplies/misc.		
32												
33												
34	--Soil Analysis--											
35												
36		unit cost	units							Shipping/		
37		367.5	\$/sample		Updt. 2016 by increasing shipping/supplies/misc.					Supplies/misc.		
38												
39												
40	--Utilities--											
41												
42		unit cost	units									
43	Electric	0.1100	\$/KWH		Updt. 2017	Conservatively large electrical cost based on average \$0.105/kwh from Jan 2017 Bill						
44	Natural Gas	0.480	\$/CCF		Updt. 2017	Used early 2015 costs from Dan with a conversion of 1.193 therm/CCF - no change in						
45												
46												
47	--Driller Costs--											
48												
49		unit cost	units							2012 Cost	2012 Cost + 10%	
50	New Tailings Well -5"	7,150.00	\$/well		Updt. 2016					6,500.00	7150.00	
51	New Tailings Well -2"	3,520.00	\$/well		Updt. 2016					3,200.00	3520.00	
52	New Alluvial Well	7,150.00	\$/well		Updt. 2016					6,500.00	7150.00	
53	New U. Chinle Well	8,250.00	\$/well		Updt. 2016					7,500.00	8250.00	
54	New M. Chinle Well	11,000.00	\$/well		Updt. 2016					10,000.00	11000.00	
55	New L. Chinle Well	11,000.00	\$/well		Updt. 2016					10,000.00	11000.00	
56	Develop Tailings Well	1,650.00	\$/well		Updt. 2016					1,500.00	1650.00	
57	Develop Alluvial Well	1,540.00	\$/well		Updt. 2016					1,400.00	1540.00	
58	Develop U. Chinle Well	1,540.00	\$/well		Updt. 2016					1,400.00	1540.00	
59	Develop M. Chinle Well	1,540.00	\$/well		Updt. 2016					1,400.00	1540.00	
60	Develop L. Chinle Well	1,540.00	\$/well		Updt. 2016					1,400.00	1540.00	
61	Rehab/Replace San Andres Well	44,000.00	\$/well		Updt. 2016					40,000.00	44000.00	
62	Abandon 5" Tailings Well	1,560.00	\$/well		Updt. 2018					1,200.00	1320.00	
63	Abandon 2" Tailings Well	286.00	\$/well		Updt. 2018					220.00	242.00	
64	Abandon Alluvial Well	1,760.00	\$/well		Updt. 2018 and \$200/well site closure					1,200.00	1320.00	
65	Abandon Perched Alluvial Well	1,300.00	\$/well		Updt. 2018					1,000.00	1100.00	
66	Abandon U. Chinle Well	2,150.00	\$/well		Updt. 2018 and \$200/well site closure					1,500.00	1650.00	
67	Abandon M. Chinle Well	2,150.00	\$/well		Updt. 2018 and \$200/well site closure					1,500.00	1650.00	
68	Abandon L. Chinle Well	2,150.00	\$/well		Updt. 2018 and \$200/well site closure					1,500.00	1650.00	
69	Abandon San Andres Well	32,500.00	\$/well		Updt. 2018					25,000.00	27500.00	
70	Abandon Sumps	650.00	\$/sump		Updt. 2018					500.00	550.00	
71	Drilling Mob/Demob	7,800.00	\$/rig		Updt. 2018					6,000.00	6600.00	
72												
73	--Horizontal Wells --											
74												
75		unit cost	units									
76	Blind Horizontal Well	800,000.00	\$/well		Created 2018							
77	Continuous Horizontal Well	2,000,000.00	\$/well		Created 2018							
78												
79	Horiz. Well Pumping System	20,000.00	\$/well		Created 2018							
80												
81												
82												
83	-- Tailings Collection Parts and Supplies--											
84												
85		unit cost	units									

GRANTS PROJECT
Unit Costs

	A	B	C	D	E	F	G	H	I	J	K	L
86	Collection Wellheads	500.00	\$/wellhead									
87	2" Valves	200.00	\$/valve									
88	3/4", 5/8", 1" Meters	120.00	\$/meter									
89	Submersible Pumps	700.00	\$/pump		Updt. 2017	Increased from \$550 to \$700						
90	Vacuum Pumps	500.00	\$/pump									
91												
92												
93	-- Tailings Sumps Parts and Supplies--											
94												
95		unit cost	units									
96	Collection Plumbing	500.00	\$/wellhead									
97	2", 3" Valves	200.00	\$/valve									
98	3/4", 5/8", 1" Meters	120.00	\$/meter									
99	Submersible Pumps	310.00	\$/pump									
100												
101												
102	-- Tailings Injection Parts and Supplies--											
103												
104		unit cost	units									
105	Injection Wellheads	300.00	\$/wellhead									
106	2" Valves	200.00	\$/valve									
107	3/4", 5/8", 1" Meters	120.00	\$/meter									
108												
109												
110	-- Alluvial/Chinle Collection Parts and Supplies--											
111												
112		unit cost	units									
113	Collection Wellheads	1,000.00	\$/wellhead									
114	2" Valves	200.00	\$/valve									
115	3/4", 5/8", 1" Meters	120.00	\$/meter									
116	Submersible Pumps	2,100.00	\$/pump									
117												
118												
119	-- San Andres Collection Parts and Supplies--											
120												
121		unit cost	units									
122	Collection Wellheads	1,500.00	\$/wellhead									
123	6" Valves	450.00	\$/valve									
124	6" Meters	2,000.00	\$/meter									
125	Submersible Pumps	5,000.00	\$/pump									
126												
127												
128	-- Alluvial/Chinle Injection Parts and Supplies--											
129												
130		unit cost	units									
131	Injection Wellheads	350.00	\$/wellhead									
132	2" Valves	200.00	\$/valve									
133	3/4", 5/8", 1" Meters	120.00	\$/meter									
134												
135												
136	-- Irrigation Parts and Supplies--											
137												
138		unit cost	units									
139	Collection Wellheads	1,000.00	\$/wellhead									
140	2", 3" Valves	200.00	\$/valve									
141	6", 10", 12" Valves	600.00	\$/valve									
142	2", 3" Meters	500.00	\$/meter									
143	6", 10", 12" Meters	3,000.00	\$/meter									
144	Submersible Pumps	3,500.00	\$/pump									
145	Alfalfa	2.55	\$/lb									
146	Millet	0.40	\$/lb									
147	Cereal Grains	0.90	\$/lb									
148	Fertilizer	0.15	\$/lb									
149												
150												
151	-- R.O. Plant Parts and Supplies--											
152												
153		unit cost	units									
154	Pumps	5,000.00	\$/pump									
155	Valves	4,000.00	\$/valve									
156	Meters	4,000.00	\$/meter									
157	Filters	10.50	\$/filter									
158	Membranes (LPRO)	542.00	\$/membrane		2013 Cost from inventory							
159	Membranes (HPRO)	595.00	\$/membrane		2013 Cost from inventory							
160	Sand Filter Media	8,000.00	L.S.		No longer used							
161	Air Diffuser	2,000.00	L.S.									
162	Caustic Soda	0.4200	\$/lb		Updt. 2018 - increased from 0.40 to 0.42							
163	Sulfuric Acid	0.3000	\$/lb		Updt. 2018 - 0.293 rounded up to 0.30							
164	Anti-Scalent	1,053.00	\$/barrel		Updt. 2015							
165	Citric Acid	2.62	\$/lb		Updt. 2018 from 2.36 to 2.62							
166	Test Reagents	0.00	\$/?									
167	Lime	0.1820	\$/lb		Updt. 2017 from 0.182 to 0.18 from Supplier							
168	Muriatic Acid	10.25	\$/gal		Updt. 2015							
169	Membrane Cleaner	1,429.00	\$/drum		Updt. 2012 - None purchased in 2014							
170	Liquid Citric Acid or Other Cleaner	2,000.00	\$/container		Placeholder included in 2016 for New RO/microfiltration consumable							

GRANTS PROJECT
Unit Costs

	A	B	C	D	E	F	G	H	I	J	K	L
171												
172		unit cost	units									
173	R.O. Plant Refurbishment	1,000,000.00	lump sum									
174	R.O. Plant Upgrades	5,000.00	\$/upgrade									
175	Miscellaneous R.O. Plant Equipment	1,000.00	\$/unit									
176												
177												
178	-- Evaporation Parts and Supplies--											
179		unit cost	units									
180		5,000.00	\$/pump									
181	Pumps	1,000.00	\$/valve									
182	Valves	2,000.00	\$/meter									
183	Meters	3.67	\$/lb									
184	Copper Sulfate	2.62	\$/lb									
185	Citric Acid	64.00	\$/nozzle									
186	Spray Nozzles	6,000.00	\$/pump									
187	Pump & Motor for Turbo-Mist	32.15	\$/nozzle									
188	Nozzles for Turbo-Mist Unit											
189												
190												
191	-- Alternative Restoration Parts and Supplies--											
192		unit cost	units									
193		2,100.00	\$/pump									
194	Pumps	200.00	\$/valve									
195	Valves	500.00	\$/meter									
196	Meters	1200.00	\$/pump									
197	Zeolite Cell Metering Pump	1.00	\$/lb									
198	Placeholder	0.00300	\$/gal treated									
199	Placeholder											
200												
201												
202	-- Monitoring Parts and Supplies--											
203		unit cost	units									
204		0.59	\$/bottle							2015		Shipping/
205	Bioassay Sample Bottles	6.50	\$/badge							Cost		Handling/
206	OSL Badges	40.00	\$/sample									Inflation
207	Bioassay Samples	30.00	\$/badge							22.50		17.5
208	OSL Badges Analysis	260.00	\$/sample							20.00		10
209	High Vol Samples	20.00	\$/cup							235.00		25
210	Radon Cups	88.00	\$/sample									
211	Radon Cup Analysis	347.00	\$/pack							63.00		25
212	High Vol Filters											

!!!!!!!!!!!!!!DO NOT CHANGE RED VALUES IN THIS SHEET. CHANGE ONLY THE YEARLY GPM VALUES!!!!!!!!!!!!!!

For the purposes of costing, the maximum R.O. feed rate for the main plant was assumed to be 600 gpm.
The maximum practical rate is estimated at 540 gpm.

Electrical Meter 453180401 KWH Breakout

Unit Cost	Pressure Factor	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Alluvial Collector	459	1	580	580	580	580	285	285	1500	1500	1500	1500	1500	1500	1500	0	0	0	0
Toe Drains / Sumps	459	0.36	25	25	25	25	25	25	25	0	0	0	0	0	0	0	0	0	0
Tailings Collector	459	0.36	120	110	100	80	120	120	100	40	20	30	20	0	0	0	0	0	0
Spray Evaporation System	459	1	4700	4700	4700	4700	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	0	0	0
Turbo-Mist	459	12.07	156	156	156	156	234	234	234	234	234	234	234	234	234	234	0	0	0
No. 2 Well	459	2	300	300	300	100	550	500	500	280	280	280	280	280	280	100	100	0	0

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Alluvial Collector	272020	272020	272020	272020	133985	133985	133985	133985	133985	133985	133985	133985	133985	133985	0	0	0
Toe Drains / Sumps	4221	4221	4221	4221	4221	4221	4221	4221	0	0	0	0	0	0	0	0	0
Tailings Collector	20280.8	18572.4	16884	13507.2	20280.8	20280.8	16884	6753.6	3376.8	5085.2	3376.8	0	0	0	0	0	0
Spray Evaporation System	2204300	2204300	2204300	2204300	1407000	1407000	1407000	1407000	1407000	1407000	1407000	1407000	1407000	1407000	0	0	0
Turbo-Mist	863089	863089	863089	863089	863089	1324634	1324634	1324634	1324634	1324634	1324634	1324634	1324634	1324634	0	0	0
No. 2 Well	281400	281400	281400	93600	615900	469000	469000	262640	262640	262640	262640	262640	262640	93600	93600	0	0
Total	3085291	3085303	3081914	3470938	2964136	3358781	3925239	3708749	3701151	3702339	3701151	3697774	3697774	2825434	89900	0	0

R.O. Plant Electrical Meter 453180501

Unit Cost	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
R.O. Plant Rate	Formula	600	600	600	600	600	600	600	600	600	600	600	600	370	0	0	0	0

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
R.O. Plant	2307600	2307600	2307600	2307600	2307600	2307600	2307600	2307600	2307600	2307600	2307600	2307600	2307600	1630520	10000	10000	0	0

R.O. Plant Expansion

Unit Cost	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
R.O. Plant Rate	Formula	0	0	0	0	0	0	300	600	600	600	600	600	370	0	0	0	0

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
R.O. Plant						1432600	2307600	2307600	2307600	2307600	2307600	2307600	1630520	10000	10000	0	0

New R.O. High Pressure Unit

Unit Cost	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
R.O. Plant Rate	Formula	0	0	0	0	0	0	0	250	250	250	250	250	150	0	0	0	0

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
R.O. HPRO Unit								1287000	1287000	1287000	1287000	1287000	895400	10000	10000	0	0

North Off-Site Electrical usage

Unit Cost	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
North Off-Site Rate	Formula	0	0	0	0	0	0	0	520	423	343	399	140	73	0	0	0	0

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
North Off-Site								887128	721835	595158	680694	236840	124593	0	0	0	0

South Off-Site Electrical usage

Unit Cost	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
South Off-Site Rate	Formula	0	0	0	0	0	0	0	830	927	1007	951	883	258	0	0	0	0

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
South Offsite								1415590	1591492	1717942	1622408	1506358	449148	0	0	0	0

LONG-TERM MAINTENANCE & SURVEILLANCE FEE

NRC Long Term Maintenance and Surveillance Fee

\$250,000 Fee in 1978 Dollars

Most current CPI for Current Year = 247.867
CPI for November, 1978 = 67.4

CPI Factor = 3.677552

Fee in March, Current year dollars = \$919,388

Reclamation cost estimate was developed by a consulting engineering firm (MFG) in 2003. This reclamation cost estimate was reviewed by the NRC using NUREG-1620 Rev. 1 and was found to be acceptable. The letter indicating acceptance of the reclamation cost estimates was issued by the NRC on October 29, 2003. The estimated reclamation cost is adjusted annually based on the CPI.

SUMMARY ESTIMATE

HOMESTAKE MINING COMPANY OF CALIFORNIA
GRANTS PROJECT MILLING COMPLEX
CIBOLA COUNTY NEAR MILAN, NM

CPI Calculations to convert the 2003 unit cost \$ to current year \$

Most Current CPI Value 247.867

Jan 2003 CPI Value 181.7

1.364155201

Item No.	Description	Unit	Quantity	Unit Cost (Current Year \$)	Total Cost (\$)
1.0	FACILITY DECOMMISSIONING Mill Decommissioning & Demolition		Complete		\$0
2.0	GROUND WATER RESTORATION				
2.1	Groundwater Restoration (Operations & Monitoring)	YR			\$0
2.2	RO Treatment Plant Operation	YR			\$0
2.3	Well Abandonment	EA			\$0
	Groundwater Restoration Subtotal				\$0
3.0	INTERIM STABILIZATION OF TAILINGS Interim Cover Maintenance				
		(Included in ongoing gw restoration operations costs)			
4.0	TAILING IMPOUNDMENT AREA RESTORATION				
4.1	Large Tailings Pile Closure				
4.1.1	Settlement Monitoring				
4.1.2	Borrow Area Investigation	Acre	400	172.57	\$69,026
4.1.3	Clear & Grub Borrow Areas	Acre	240	1,636.99	\$392,877
4.1.4	Radon Barrier material: haul & placement	CY	770,000	5.73	\$4,411,678
4.1.5	Rock Cover material: haul & placement	CY	87,000	5.87	\$510,330
4.1.6	Construction QA/QC	Month	7	75,028.54	\$525,200
4.1.7	Revegetation of Borrow Areas	Acre	240	1,909.82	\$458,356
	Large Tailings Pile Closure Subtotal				\$6,367,467
4.2	Pond Closure				
4.2.1	Dewatering and/or Water Treatment (allowance)	LS	1	68,207.76	\$68,208
4.2.2	Removal of sediment - placement in EP1	CY	80,000	5.18	\$414,703
4.2.3	Removal of liners, & piping - placement in EP1	SY	86,000	1.23	\$105,586
4.2.4	Excavate underlying impacted soil	CY	37,500	4.09	\$153,467
4.2.5	Remove/regrade earthen berms	CY	122,000	1.36	\$166,427
4.2.6	Confirmation Sampling	Acre	25	1,091.32	\$27,283
4.2.7	Import Fill placement & grading	CY	50,000	3.96	\$197,803
4.2.8	Revegetation	Acre	25	1,909.82	\$47,745
	Pond Closure Subtotal				\$1,181,222
4.3	Small Tailing Pile Closure				
4.3.1	Clear & Grub Borrow Areas	Acre	105	1,636.99	\$171,884
4.3.2	Prep and grade of tailings pile surface	CY	170,000	2.66	\$452,217
4.3.3	Radon Barrier material: haul & placement	CY	340,000	5.93	\$2,017,586
4.3.4	Rock Cover material: haul & placement				
	Top of Impoundment	CY	32,000	6.00	\$192,073
	Impoundment side slopes	CY	28,000	8.53	\$238,727
4.3.5	Construction QA/QC	Month	4.5	75,028.54	\$337,628
4.3.6	Revegetation of Borrow Areas	Acre	105	1,909.82	\$200,531
	Small Tailing Pile Closure				\$3,610,646
5.0	RADIOLOGICAL SURVEY AND ENVIRONMENTAL MONITORING				
	Radon Flux Measurements on Tailing Piles (post-closure)	LS	1	53,202.05	\$53,202

GRANTS PROJECT
Physical Reclamation Costs
2018 Dollars

Reclamation cost estimate was developed by a consulting engineering firm (MFG) in 2003. This reclamation cost estimate was reviewed by the NRC using NUREG-1620 Rev. 1 and was found to be acceptable. The letter indicating acceptance of the reclamation cost estimates was issued by the NRC on October 29, 2003. The estimated reclamation cost is adjusted annually based on the CPI.

SUMMARY ESTIMATE

HOMESTAKE MINING COMPANY OF CALIFORNIA
GRANTS PROJECT MILLING COMPLEX
CIBOLA COUNTY NEAR MILAN, NM

CPI Calculations to convert the 2003 unit cost \$ to current year \$

Most Current CPI Value 247.867

Jan 2003 CPI Value 181.7

1.364155201

Item No.	Description	Unit	Quantity	Unit Cost (Current Year \$)	Total Cost (\$)
6.0	DEMOLITION OF REMAINING FACILITIES				
6.1	RO Plant Demolition				
6.1.1	Demolition of plant - placement in EP1	LS	1	187,571.34	\$187,571
6.1.2	Backfill/regrade demolition area	CY	1,500	4.09	\$6,139
6.1.3	Revegetation	Acre	2.5	1,909.82	\$4,775
	RO Plant Demolition Subtotal				\$198,485
6.2	Office/Shop Area Demolition				
	(office-truck shop, warehouse bldg. & rel. bldg in admin compound)				
6.2.1	Demolition of buildings	LS	1	95,490.86	\$95,491
6.2.2	Demolition of Water Tanks	EA	2	20,462.33	\$40,925
6.2.3	Removal of yard gravel - placement in EP1	CY	4,000	4.77	\$19,098
6.2.4	Backfill/regrade demolition area	CY	1,500	4.09	\$6,139
6.2.5	Revegetation	Acre	5	1,909.82	\$9,549
	Office/Shop Area Demolition Subtotal				\$171,201
7.0	PROJECT MGMNT - CONSULTING/ENGINEERING SUPPORT				
7.1	Large Tailings Pile Closure				
7.1.1	Final Design & Contract Document Prep	LS	1	49,109.59	\$49,110
7.1.2	Proj Management & Construction Oversight	Month	7	51,837.90	\$362,865
7.1.3	Prepare Completion Report	LS	1	49,109.59	\$49,110
	LTP Project Management Subtotal				\$461,084
7.2	Final Closure & Demolition (RO plant, ponds, STP)				
7.2.1	Final Design & Contract Document Prep	LS	1	58,931.50	\$58,932
7.2.2	Proj Management & Construction Oversight	Month	8.5	51,837.90	\$440,622
7.2.3	Prepare Completion Report	LS	1	58,931.50	\$58,932
	STP Project Management Subtotal				\$558,485
7.3	Shop Area Demolition				
7.3.1	Final Design & Contract Document Prep	LS	1	6,547.94	\$6,548
7.3.2	Proj Management & Construction Oversight	Month	0.5	51,837.90	\$25,919
7.3.3	Prepare Completion Report	LS	1	6,547.94	\$6,548
	Shop Area Project Management Subtotal				\$39,015
TOTAL					\$12,640,808