



Homestake Mining Company of California

Jesse R. Toepfer
Closure Manager

30 March 2016

ATTN: Document Control Desk

Director, Office of Federal and State Materials and Environmental Management Programs
U.S. Nuclear Regulatory Commission,
Washington, DC 20555-0001

ATTN: Mr. Jack Parrott, Sr. Project Manager

Reactor Decommissioning Branch (Mailstop T-8F5)
Division of Waste Management and Environmental Protection
Office of Federal and State Materials and Environmental Management Program
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

RE: 2016 Financial Surety, IAW NRC License SUA-1471, Condition 28, submitted for compliance under 10 CFR 40, Appendix A

Mr. Parrott:

Pursuant to US Nuclear Regulatory Commission License SUA-1471, Docket 40-8903, License Condition 28, please find the enclosed financial surety package regarding the estimated closure guarantee for 2016 for Homestake Mining Company of California.

The enclosed package includes:

- (1) An attestation from Shuan Usmar, Executive Vice President and Chief Financial Officer for Barrick Gold Corporation ("Barrick") (the Parent Company of Homestake Mining Company of California)
- (2) Supporting documentation from Price Waterhouse Coopers verifying the accuracy of Barrick's financial strength
- (3) A revised Parent Company Guarantee
- (4) A DRAFT version of the renewed Standby Trust Agreement between Barrick and Citibank; (Note: This will be executed in final form upon approval from NRC).
- (5) Homestake's Closure Cost Estimate

As per our phone conversation on 15 January 2016, it was agreed that the submittal of these documents will suffice to resolve NRC's Requests for Additional Information (RAIs) dated 15 December 2015.

NM5520

Thank you for your time and attention on this matter. If you or anyone on your staff has any questions, please contact me at the Grants office at 505.287.4456, extension 34, or call me directly on my cell phone at 505.290.3067.

Respectfully,



Jesse R. Toepfer, PE, PMP, REP, RSO
Closure Manager
Homestake Mining Company of California
Office: 505.287.4456 x34 | Cell: 505.290.3067

Copy To:

K. Vollbrecht, NMED, Santa Fe, New Mexico (w/encl.)
S. Appaji, Region VI EPA, Dallas, Texas (w/encl.)
D. Barr, DOE, Grand Junction, Colorado (w/encl.)
P. Webster, Barrick, Salt Lake City, Utah (electronic copy)
B. Ferdinand, Barrick, Salt Lake City, Utah (electronic copy)
C. Cadwell, Barrick, Elko, Nevada (electronic copy)

**BARRICK GOLD CORPORATION
GRANTS OPERATION
AMENDED AND RESTATED
PARENT COMPANY GUARANTY**

AMENDED AND RESTATED PARENT COMPANY GUARANTY made and effective as of **March 31, 2016** (the "**Effective Date**") by BARRICK GOLD CORPORATION, an Ontario corporation having its principal place of business at BCE Place, Canada Trust Tower, Suite 3700, 161 Bay Street, Toronto, Ontario, Canada M5J 2S1 ("**Guarantor**") on behalf of its subsidiary, HOMESTAKE MINING COMPANY OF CALIFORNIA, whose mailing address is P.O. Box 98, Grants, New Mexico 87020, and whose street address is State Road 605, Milan, NM 87021, to the UNITED STATES NUCLEAR REGULATORY COMMISSION, an agency of the United States Government ("**NRC**").

Recitals

This Amended and Restated Guaranty is made by Guarantor to NRC to comply with regulations issued by NRC pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974, and the Uranium Milling Tailings Radiation Control Act of 1978.

NRC has promulgated regulations in Title 10, Chapter 1 of the Code of Federal Regulations, Part 40, Appendix A, Criteria 9 and 10 requiring that a licensee of a uranium recovery facility provide assurance that funds will be available when needed in accordance with the approved Reclamation and Decommissioning Plan and also for any long-term surveillance and control of the uranium recovery facility.

Homestake Mining Company of California ("**Licensee**") is a wholly-owned subsidiary of Guarantor and holds the license SUA 1471 ("**License**") for the Milan Mill uranium recovery facilities ("**Facilities**").

Guarantor entered into a Parent Company Guaranty for the Facilities, on behalf of Licensee, effective March 31, 2003. Guarantor and Licensee desire to amend and restate the Parent Company Guaranty, dated March 31, 2003 and to have this Amended and Restated Parent Company Guaranty supersede and replace the Parent Company Guaranty, dated March 31, 2003.

Representations and Warranties

THEREFORE, Guarantor hereby agrees, represents, and warrants to NRC and its successors and assigns knowing that they will rely and continue to rely thereon:

1. Guarantor has full authority and capacity to enter into this Guaranty under its bylaws, articles of incorporation, and the laws of Ontario. Guarantor has been authorized by the Executive Committee of its Board of Directors to enter into this Guaranty.
2. Based on its audited balance sheet, Guarantor meets or exceeds the following financial criteria:

(i) Guarantor's tangible net worth and net working capital are each equal to or greater than six times the sum of the current cost estimates for decommissioning, decontamination, reclamation, stabilization, and long-term surveillance and control required by the License; and

(ii) Guarantor's assets located in the United States amount to at least 90 percent of its total assets or at least six times the amount of the current NRC-approved cost estimates for decommissioning, reclamation, and any long-term surveillance and control required by the License; and

(iii) Guarantor meets two of the following ratios: a ratio of total liabilities to net worth less than 2.0; a ratio of the sum of net income plus depreciation, depletion, and amortization to total liabilities greater than 0.1; and a ratio of current assets to current liabilities greater than 1.5; and

(iv) Guarantor's tangible net worth is at least \$20 million dollars.

3. Guarantor, through subsidiaries, owns 100% of the voting stock of the Licensee Homestake Mining Company of California, a California corporation having its principal place of business, c/o Barrick Gold of North America Inc., 460 West 50 North, Suite 500, Salt Lake City, UT 84101, owner and operator of the Milan Mill, License SUA 1471.

4. **"Reclamation and Decommissioning Plans"** as used below refers to the plans maintained as required by 10 CFR Part 40, Appendix A, for the decommissioning, reclamation, and long-term surveillance and control of facilities identified above.

Covenants

5. Pursuant to the authority conferred upon Guarantor by a unanimous resolution of the Executive Committee of its Board of Directors dated June 18, 2002, a certified copy of which is attached as *Schedule A*, Guarantor guarantees to NRC that in the event the Licensee fails to perform the activities required in the NRC approved Reclamation and Decommissioning Plan, as required by the License, Guarantor shall:

(a) Carry out the required activities; or

(b) Set up a trust fund in favor of NRC, its successors, or assigns in the amount of these current NRC-approved cost estimates for these activities; and

(c) In addition, Guarantor shall cover the eventual payment of the amount for long-term surveillance and control, if any, as required by 10 CFR Part 40, Appendix A.

6. Guarantor agrees to submit audited financial statements within 90 days of the close of each of Guarantor's fiscal years in such form and with such content consistent with generally accepted accounting principles then in effect as NRC may reasonably request.

7. Guarantor agrees that if, at the end of any fiscal year before termination of this Guaranty, based on generally accepted accounting principles, Guarantor fails to meet the financial test criteria,

Guarantor shall send within 60 days, by certified mail, notice to the NRC and to Licensee that it intends to provide alternate financial assurance as specified in Appendix A of 10 CFR Part 40, in the name of Licensee. Within 90 days after the end of the fiscal year, Guarantor shall establish such financial assurance unless Licensee has done so.

8. Guarantor also agrees to notify NRC promptly if the ownership of Licensee or Guarantor is transferred and to maintain this Guaranty until the new parent firm of Licensee provides alternate financial assurance acceptable to NRC.

9. Guarantor agrees to notify NRC, by certified mail of a voluntary or involuntary proceeding under Title 11 (Bankruptcy), U.S. Code naming Guarantor as debtor, within 10 days after commencement of the proceeding.

10. Guarantor agrees that within 30 days after being notified by NRC of a determination that Guarantor no longer meets the financial test criteria or that it is disallowed from continuing as a Guarantor for the Facilities under the License, it shall establish an alternate financial assurance, as specified in 10 CFR Part 40, Appendix A, as applicable in the name of Licensee, unless Licensee has done so.

11. Guarantor as well as its successors and assigns agrees to remain bound jointly and severally under this Guaranty notwithstanding any or all of the following: amendment or modification of license or NRC-approved Reclamation and Decommissioning Plan for that facility, the extension or reduction of the time of performance of reclamation, decommissioning, and or for long-term surveillance and control or any other modification or alteration of an obligation of the Licensee pursuant to 10 CFR Part 40.

12. Guarantor agrees to remain bound under this Guaranty for so long as Licensee must comply with the applicable financial assurance requirements of 10 CFR Part 40, Appendix A, for the Facilities, except that Guarantor may cancel this Guaranty by sending notice by certified mail to the NRC and to Licensee, such cancellation to become effective no earlier than 120 days after receipt of such notice by both NRC and Licensee, as evidenced by the return receipts.

13. Guarantor agrees that if Licensee fails to provide alternate financial assurance as specified in 10 CFR Part 40, Appendix A as applicable, and to obtain written approval of such assurance from the NRC within 90 days after a notice of cancellation by the Guarantor is received by the NRC from the Guarantor, Guarantor shall provide such alternate financial assurance in the name of Licensee or make full payment under the Guaranty.

14. Guarantor and Licensee agree that all bound parties shall be jointly and severally liable for all reasonable litigation costs incurred by NRC in any successful effort to enforce the agreement against Guarantor or Licensee or any of them.

15. Guarantor expressly waives notice of acceptance of this Guaranty by the NRC or by Licensee. Guarantor also expressly waives notice of amendments or modifications by the Reclamation and Decommissioning Plan and of amendments or modifications of the license.


16. If Guarantor files financial reports with the U.S. Securities and Exchange Commission, then it shall promptly submit them to NRC during each year in which this Guaranty is in effect.

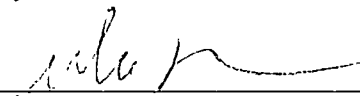
EFFECTIVE DATE: March 31, 2016

I hereby certify on behalf of the Guarantor and not in my personal capacity that the representations and warranties contained in this guarantee are true and correct to the best of my knowledge.

GUARANTOR: Barrick Gold Corporation
 BCE Place, Canada Trust Tower
 161 Bay Street, Suite 3700
 Toronto, Ontario, Canada M5J 2S1

BARRICK GOLD CORPORATION

By: 
Name: SHAUN USMAN
Title: SEVP + CFO

By: 
Name: Julie Robertson
Title: VP Controller

PROVINCE OF ONTARIO)
: ss.
CITY OF TORONTO)

On this 28th day of March, 2016, before me, Andrew Hastings, the undersigned officer, personally appeared Shawn Usman, who acknowledged [her/him]self to be EvP + CFO of **Barrick Gold Corporation**, an Ontario corporation, and [she/he], as such officer being authorized to do so, executed the foregoing instrument for the purposes therein contained, by signing the name of the corporation by [her/him]self as such officer.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

My Commission does not Expire:

Andrew Hastings
Notary Public
Residing At: Oakville

PROVINCE OF ONTARIO)
: ss.
CITY OF TORONTO)

On this 28th day of March, 2016, before me, Andrew Hastings, the undersigned officer, personally appeared Julie Robertson, who acknowledged [her/him]self to be VP + Controller of **Barrick Gold Corporation**, an Ontario corporation, and [she/he], as such officer being authorized to do so, executed the foregoing instrument for the purposes therein contained, by signing the name of the corporation by [her/him]self as such officer.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

My Commission does not Expire:

Andrew Hastings
Notary Public
Residing At: Oakville

I hereby certify on behalf of the Licensee and not in my personal capacity that the representations and warranties contained in this guarantee are true and correct to the best of my knowledge.

LICENSEE: HOMESTAKE MINING COMPANY OF CALIFORNIA
Grants Operation
P. O. Box 98
Grants, New Mexico 87020

LICENSE #: SUA 1471

HOMESTAKE MINING COMPANY OF CALIFORNIA

By: 
Name: **Peter Webster**
Title: **Director**

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

STATE OF Utah)

: ss.

COUNTY OF Salt Lake)

On this 28th day of March, 2016, before me, LeAnn Singleton-Wood, the undersigned officer, personally appeared Peter Webster, who acknowledged [her/him]self to be Director of Homestake Mining Company of California, a Delaware corporation, and she/he as such officer being authorized to do so, executed the foregoing instrument for the purposes therein contained, by signing the name of the corporation by [her/him]self as such officer.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

My Commission Expires:

Sep 2, 2019

LeAnn Singleton-Wood

Notary Public

Residing At:

Salt Lake City, UT



STATE OF Utah)

: ss.

COUNTY OF Salt Lake)

On this 28th day of March, 2016, before me, LeAnn Singleton-Wood the undersigned officer, personally appeared Paul D. Judd, who acknowledged [her(him)self] to be CFO & Tax Director of **Homestake Mining Company of California**, a Delaware corporation, and she/he, as such officer being authorized to do so, executed the foregoing instrument for the purposes therein contained, by signing the name of the corporation by [her(him)self] as such officer.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

My Commission Expires:

Sep 2, 2019

LeAnn Singleton-Wood
Notary Public

Residing At:

Salt Lake City UT



Schedule A

**Resolution dated June 18, 2002
Executive Committee, Board of Directors, Barrick Gold Corporation,**

BARRICK GOLD CORPORATION

Resolutions of the Executive Committee of the Board of Directors

Grants Guarantee

WHEREAS Homestake Mining Company of California ("HMCOC"), an indirect wholly-owned subsidiary of Barrick Gold Corporation (the "Corporation"), holds license SUA 1471 (the "License") for the Milan Mill and uranium recovery facilities (the "Facilities") located at Grants, New Mexico;

AND WHEREAS the United States Nuclear Regulatory Commission (the "NRC") has promulgated regulations in Title 10, Chapter 1 of the Code of Federal Regulations, Part 40, Appendix A, Criteria 9 and 10, requiring that a licensee of a uranium recovery facility provide assurance that funds will be available when needed in accordance with the approved Reclamation and Decommissioning Plan and for any long-term surveillance and control at the uranium recovery facility;

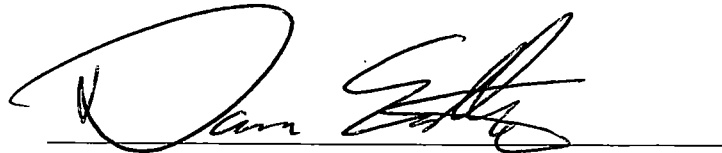
AND WHEREAS, in order to provide the necessary financial assurance, the Corporation proposes to guarantee the obligations of HMCOC pursuant to the Reclamation and Decommissioning Plan for the Facilities (the "Plan");

NOW THEREFORE BE IT RESOLVED THAT:

1. the Corporation is hereby authorized to enter into a guarantee in favour of the NRC, pursuant to which the Corporation guarantees to the NRC that in the event HMCOC fails to perform the activities required in the Plan, as required by the License, the Corporation will:
 - (a) carry out the required activities, or
 - (b) set up a trust fund in favour of the NRC, its successors and assigns, in the amount of the NRC approved cost estimates for the activities, and
 - (c) cover the eventual payment of the amount required for long-term surveillance and control, if any, as required by 10 CFR Part 40, Appendix A.
2. Any officer of the Corporation is hereby authorized to take all actions and to execute and deliver all documents and instruments, including without limitation the required form of guarantee, which such officer may determine necessary or desirable to give effect and purpose to the foregoing resolutions, such determination being conclusively evidenced by the performance of such acts or the execution of such documents or instruments by such officer.

I, Dana Easthope, the Vice-President & Corporate Secretary of Barrick Gold Corporation (the "Corporation"), hereby certify that the foregoing is a true and correct copy of a resolution passed by the Executive Committee of the Board of Directors of the Corporation on June 18, 2002, which as at the date hereof remains in full force and effect, unamended and unrevoked.

DATED this 18th day of March, 2016.

A handwritten signature in black ink, appearing to read 'Dana Easthope', is written over a horizontal line.

Dana Easthope
Vice-President & Corporate Secretary



BARRICK

March 31, 2016

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

BARRICK GOLD CORPORATION Tel: (416) 861-9911
Brookfield Place, Fax: (416) 861-2492
TD Canada Trust Tower
Suite 3700, 161 Bay Street
P.O. Box 212
Toronto, Canada M5J 2S1

Attn: Mr. Jack Parrott, Sr. Project Manager
Reactor Decommissioning Branch (Mailstop T-8F5)
Division of Waste Management and Environmental Protection
Office of Federal and State Materials and Environmental
Management Program
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555-00015

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

Dear Mr. Parrott:

I am the Senior 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.

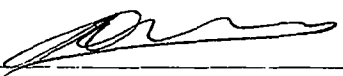
Homestake guarantees, through the parent company guarantee submitted for compliance under 10 CFR Part 40, Appendix A, the decommissioning reclamation and long-term surveillance and control of the Licensee's facilities. The cost estimate for reclamation, decommissioning and long-term surveillance and control so guaranteed for these facilities is \$62,490,490.

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 10-K with the Securities and Exchange Commission ("SEC") for the year 2015.

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, 2015. These financial statements can be found in our 2015 Annual Report at:
<http://www.barrick.com/investors/annual-report/default.aspx>

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



Shaun Usmar
Senior Executive Vice President & Chief Financial Officer

March 31, 2016

Date

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.	\$ 62
2. Total liabilities (excluding Grants reclamation accrual).	\$ 16,791
3. Tangible Net Worth (excluding Grants reclamation accrual).	\$ 7,875
4. Total Net Worth (excluding Grants reclamation accrual).	\$ 9,517
5. Current Assets	\$ 5,468
6. Current Liabilities	\$ 1,847
7. Net Working Capital (line 5 minus 6)	\$ 3,621
8. The sum of net income (loss) plus depreciation ¹	\$ (1,342)
9. *Total Assets in U.S.* (required only if less than 90 percent of firm's assets are located in the U.S.).	\$ 7,375

Denotes figures contained in or derived from Barrick Gold Corporation's December 31, 2015 consolidated financial statements.

¹ \$1,771 of depreciation was added back to net loss

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.

	Yes	No
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?	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)

	2015	2014
Revenue (notes 5 and 6)	\$ 10,915	\$ 10,229
Costs and expenses		
Cost of sales (notes 5 and 7)	5,907	5,830
General and administrative expenses (note 12)	123	385
Exploration, evaluation and project expenses (notes 5 and 3)	355	392
Impairment charges (note 9a)	1,102	4,106
Loss on currency translation	1	132
Closed mine rehabilitation		83
Loss from equity investments (note 11)	7	-
Loss on non-hedge derivatives (note 10)	50	193
Other expense (income) (note 14)	1	(12)
Loss before finance items and income taxes	(2,422)	(11,205)
Finance items		
Finance income	1	11
Finance costs (note 12)		(706)
Loss before income taxes	(2,421)	(11,890)
Income tax recovery (expense) (note 13)		(360)
Net loss		\$ (12,250)
Attributable to:		
Equity holders of Barrick Gold Corporation		\$ (12,250)
Non-controlling interests (note 11)		\$ (57)

Earnings per share data attributable to the equity holders of Barrick Gold Corporation (note 12)

Net loss		
Basic	11	\$ (2.92)
Diluted	12	\$ (2.70)

For the years ended December 31, 2015 and 2014, the weighted average number of shares outstanding was 4,195 million and 4,190 million, respectively. The weighted average number of shares outstanding for diluted earnings per share was 4,200 million and 4,190 million, respectively.



BARRICK GOLD CORPORATION Tel: (416) 861-9911
Brookfield Place, Fax: (416) 861-2492
TD Canada Trust Tower
Suite 3700, 161 Bay Street
P.O. Box 212
Toronto, Canada M5J 2S1

March 31, 2016

PricewaterhouseCoopers LLP
PwC Tower
18 York Street, Suite 2600
Toronto ON M5J 0B2

Attention: Mr. James Lusby

Dear Sirs:

We are providing this letter in connection with the specified procedures applied to the financial information of Barrick Gold Corporation (the company) as at December 31, 2015 with respect to the U.S. Nuclear Regulatory Commission (NRC) March 31, 2016 filing in accordance with 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. We confirm that we are responsible for the preparation and fair presentation of the financial information of the company's financial position and results of operations in accordance with International Financial Reporting Standards as issued by the International Accounting Standards Board (IFRS).

Certain representations in this letter are described as being limited to those matters that are material. Items are considered material, regardless of size, if they involve an omission or misstatement of accounting information that, in the light of surrounding circumstances, makes it probable that the judgment of a reasonable person relying on the information would have been changed or influenced by the omission or misstatement.

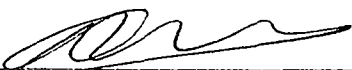
We confirm, to the best of our knowledge and belief, as of March 31, 2016, the date of your report, the following representations made to you during your engagement:

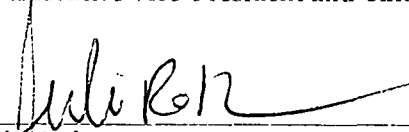
1. Under the date of February 17, 2016, we confirmed by letter certain information and opinions expressed to you during your audit of the consolidated financial statements of the company as at December 31, 2015. We confirm by letter that to the best of our knowledge and belief, the statements made in said letters are correct as of this date and there have been no developments since February 17, 2016 which would materially affect the consolidated financial position or consolidated statements of income as at December 31, 2015.
2. We acknowledge responsibility to perform the financial test to demonstrate financial assurance prepared for the filing.
3. We acknowledge that we are responsible for establishing and maintaining effective internal control over compliance procedures in relation to the filing.
4. We are unaware of any known or probable instances of non-compliance with the requirements of regulatory authorities, including the financial reporting requirements in relation to the filing.
5. We have no knowledge of any violations or possible violations of laws or regulations the effects of which should be considered for recognition in the financial information or as the basis for recording a contingent loss in relation to the filing.
6. We have no knowledge of any fraud or suspected fraud affecting the company involving:
 - a. Management;
 - b. Employees who have significant roles in internal control over financial reporting; or
 - c. Others where the fraud could have a non-trivial effect on the financial information of the filing.

7. We have no knowledge of any allegations of fraud or suspected fraud affecting the company received in communications from employees, former employees, analysts, regulators, short sellers, or others.
8. Management is not aware of any illegal or possibly illegal acts committed by the directors, officers or employees of the company acting on its behalf.
9. We are responsible to disclose to you all known instances of noncompliance with 10 CFR Part 40, Appendix A Criteria 9.
10. The "Sum of decommissioning, reclamation and long-term surveillance and control estimates for facilities SUA 1471" of \$62 million as presented in Item 1 of the Financial Test represents our best estimate of the costs associated with these elements.

To the best of our knowledge and belief, no events have occurred subsequent to the balance sheet date and through the date of this letter that would require adjustment to the aforementioned financial information.

Yours Sincerely,



Mr. Shaun Usmar
Senior Executive Vice-President and Chief Financial Officer

Ms. Julie Robertson
Vice President and Controller



March 31, 2016

Mr. Shaun Usmar
Senior 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 Mr. Usmar:

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 31, 2016, 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, 2015, 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 \$62 million (Grants Reclamation accrual)". The term "total net worth" as referred to in Item 4 is defined as "Total equity excluding the Grants Reclamation 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 2015 consolidated financial statements. No exceptions were noted.
3. We confirmed the mathematical accuracy of the responses to Items A.1 (i) to (iv) inclusive in the schedule referred to above. No exceptions were noted.

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.

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

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.	\$ 62
2. Total liabilities (excluding Grants reclamation accrual).	\$ 16,791
3. Tangible Net Worth (excluding Grants reclamation accrual).	\$ 7,875
4. Total Net Worth (excluding Grants reclamation accrual).	\$ 9,517
5. Current Assets	\$ 5,468
6. Current Liabilities	\$ 1,847
7. Net Working Capital (line 5 minus 6)	\$ 3,621
8. The sum of net income (loss) plus depreciation ¹	\$ (1,342)
9. *Total Assets in U.S.* (required only if less than 90 percent of firm's assets are located in the U.S.).	\$ 7,375

Denotes figures contained in or derived from Barrick Gold Corporation's December 31, 2015 consolidated financial statements.

¹ \$1,771 of depreciation was added back to net loss

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.

	Yes	No
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?	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	X	
Is tangible net worth (line 3) at least 6 times the site cost estimate (line 1)?	X	
(iii) Is tangible net worth (line 3) at least \$21 million?	X	
(iv) Are 90% of firms assets in US?		X
If not, are the total assets in U.S. (line 9) at least 6 times the site cost estimate (line 1)?	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)?		



March 31, 2016

Mr. Shaun Usmar
Senior Executive Vice President and Chief Financial Officer

and

Ms. Julie Robertson
Vice President and Controller
Barrick Gold Corporation
Brookfield Place
TD Canada Trust Tower
161 Bay Street, Suite 3700
PO Box 212
Toronto ON M5J 2S1

Dear Mr. Usmar and Ms. Robertson:

PricewaterhouseCoopers LLP (we, us or our), a limited liability partnership organized under the laws of the Province of Ontario, is pleased to provide services to Barrick Gold Corporation (you or your). James Lusby will be responsible for the services we perform. This engagement letter confirms our mutual understanding of the specific terms of our engagement, which are supplemented by the standard terms of business attached to this engagement letter. Our fee estimate and billing schedule are outlined in Schedule A. If there is any difference between our standard terms of business and the specific terms included in this letter, specific terms shall apply.

Services and related report

We will provide the following services (the services):

Procedures

We will perform the following specified procedures relating to your financial test set forth in 10 CFR Part 30, Appendix A to demonstrate financial assurance prepared for the U.S. Nuclear Regulatory Commission (NRC) (the filing), as required by 10 CFR Part 40, Appendix A Criteria 9 (the procedures):

- Compare the amounts included in items 5 and 6 in the schedule attached to the letter from you to the NRC (the schedule) with the corresponding amounts included in the audited consolidated financial statements of Barrick Gold Corporation for the year ended December 31, 2015, prepared in accordance with International Financial Reporting Standards as adopted by the International Accounting Standards Board (IFRS) (the consolidated financial statements).
- Recompute from, or reconcile to, your consolidated financial statements, the information included in items 2, 3, 4, 7, 8, and 9 in the schedule.

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



Mr. Usmar and Ms. Robertson
Barrick Gold Corporation
March 31, 2016

**Providing
information on
a timely basis**

You are responsible for making available to us, on a timely basis, all of your original accounting records and related information relevant to the performance of the procedures and additional information that we may request from you for the purposes of the procedures.

As part of our process of assessing the quality of our services, you may receive questionnaires from us and visits from senior partners not directly involved in providing services to you. We appreciate the attention given to these questionnaires and visits and value your feedback.

If the services outlined herein are in accordance with your requirements and, if the above terms are acceptable, please have one copy of this engagement letter executed in the spaces provided below and return it to us.

Yours very truly,

PricewaterhouseCoopers LLP

Chartered Professional Accountants, Licensed Public Accountants

The services and terms as set forth in this engagement letter, including the provisions of the attached schedule and our standard terms of business, are agreed to.

By signing below, I acknowledge and agree to my obligation to ensure that the responsibilities of **Barrick Gold Corporation** and its management as set forth herein are properly discharged:

By:

Mr. Shaun Usmar, Senior Executive Vice President and Chief Financial Officer

SM
~~4 APRIL 2016~~ 31 MARCH 2016

Date

By:

Ms. Julie Robertson, Vice President and Controller

31 Mar 2016

Date

Terms of business

1	Introduction
2	PwC Firms, service providers and subcontractors
3	Your responsibilities
4	Confidentiality
5	Professional and regulatory oversight
6	Personal information
7	Working papers
8	Liability
9	Termination
10	Governing law
11	General

1 Introduction

- 1.1 **Interpretation** – In this agreement, the following words and expressions have the meaning given to them below:
services – the services set out in the engagement letter
the agreement – these terms and the engagement letter to which they relate (including any schedules)
we, us or our – refer to PricewaterhouseCoopers LLP, a limited liability partnership organized under the laws of the Province of Ontario
you, your – the party or parties, including their management, to the agreement (excluding us)
- 1.2 **Changes** – Either we or you may request a change to the services, deliverables or this agreement. Any change will be effective only when agreed in writing.
- 1.3 **Purpose** – You acknowledge that our report is intended for the purpose of the oversight of management and the affairs of the legal entity that is the subject of the services.

2 PwC Firms, service providers and subcontractors

- 2.1 **Our relationship with you** – We are a member of the global network of PricewaterhouseCoopers firms (PwC Firms), each of which is a separate and distinct legal entity.
- 2.2 **Subcontractors and service providers** – We may use other PwC Firms, service providers and subcontractors to provide the services and support service delivery. We remain solely responsible for the services and deliverables.
- 2.3 **Restriction on claims** – You agree not to bring any claim or action against another PwC Firm (or its partners, members, directors or employees) or our subcontractors in respect of any liability relating to the services, deliverables or the agreement.

3 Your responsibilities

- 3.1 **Your obligations** – The performance of our services and provision of the deliverables depends on your performing your obligations under the agreement. We are not responsible for any consequences arising from you not fulfilling your obligations.
- 3.2 **Solicitation and hiring of PwC personnel** – Our independence related to assurance engagements may be impaired if you solicit or hire certain PwC personnel. This may either delay the provision of the services or cause us to resign from the engagement. You agree not to offer or permit your related parties to offer employment to or hire the lead engagement partner, the quality review partner or any other PwC partner, employee and/or independent contractor who has provided more than ten (10) hours of audit or review services until a period of twelve (12) months has passed from the date the applicable financial statements were filed with the relevant securities regulator or stock exchange, without first consulting with and obtaining the approval of the lead engagement partner on any proposed offer of employment.
- 3.3 **Oral advice and draft deliverables** – You may rely on our final written deliverables, but should not rely on oral advice or draft deliverables provided during the term of this agreement. If you wish to rely on something we have said to you, please let us know and, if possible, we will prepare a written deliverable on which you may rely.

4 Confidentiality

- 4.1 **Confidential information** – We and you agree to use the other party's confidential information, if any, only in relation to the services or internal and administrative purposes and to take reasonable steps to prevent disclosure, recognizing that disclosure will be permitted where required by law or professional obligation. You agree that we may give confidential information to third party service providers, subcontractors and other PwC Firms as long as they are bound by reasonable confidentiality obligations.
- 4.2 **Benchmarking** – From time to time we may offer our clients, like you, the service of benchmarking your business against other businesses in your industry, and providing you with the result of such comparison. Your information, together with the information from other businesses in your industry, may be used in such benchmarking studies, but will always be pooled with information from other such businesses, so that no one will be able to identify or reverse engineer any of your confidential information. You consent to our use and disclosure of your information, in aggregate form, for benchmarking purposes.

11 General

- 11.1 **Matters beyond reasonable control** – No party will be liable (other than payment obligations) to the other if it fails to meet its obligations due to matters beyond its reasonable control.
- 11.2 **Entire agreement** – The agreement, once executed by both parties, forms the entire agreement between the parties in relation to the services and deliverables. It replaces any earlier agreements, representations or discussions.
- 11.3 **Your actions** – Where you consist of more than one party, an act or omission of one party will be regarded as an act or omission of all.
- 11.4 **Assignment** – Without written consent, neither of us may assign any of our rights, obligations or claims under this agreement.
- 11.5 **Survival** – Any clause that is meant to continue to apply after termination of this agreement will do so.
- 11.6 **Severability** – If a court or regulator with proper jurisdiction determines that a provision of this agreement is invalid, then that provision will be interpreted in a way that is valid under applicable law or regulation. If any provision is invalid, the rest of this agreement will remain effective.

FIRST AMENDMENT TO THE STANDBY TRUST AGREEMENT

Executed and effective this 16th day of March, 2016, Homestake Mining Company of California, a California corporation, and Citibank, N.A., a national bank, enter into and agree to this FIRST AMENDMENT TO THE STANDBY TRUST AGREEMENT, dated November, 2013.

1. Schedule A of the STANDBY TRUST AGREEMENT, dated November, 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	Cibola County, New Mexico	\$62,490,490

The cost estimates listed here, pending NRC approval in 2016, reflect a reduction 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 NRC on March 28, 2013 in the amount of \$81,848,652.

2. Except as set forth in this Amendment, the Agreement is unaffected and shall continue in full force and effect in accordance with its terms. If there is a conflict between this Amendment and the Agreement, the terms of this Amendment will prevail.

IN WITNESS WHEREOF the parties have caused this FIRST AMENDMENT TO
STANDBY TRUST AGREEMENT, dated November, 2016, 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: _____

Name:

Title:

By: _____

Name:

Title:

ATTEST: _____

[Title]

[Seal]

CITIBANK, N.A., Trustee

388 Greenwich Street, 14th Floor

New York, New York 10013

Fax: (973) 461-7191

By: _____

Name:

Title:

ATTEST: _____

[Title]

[Seal]

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

R.O. Plant Consumables

Base Rate -

	Base Rate	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
R.O. Plant Rate	300	600	600	600	600	600	600	600	600	600	600	600	600
Filters -	700	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400
Membranes (LPRO) -	144	288	288	288	288	288	288	288	288	288	288	288	288
Membranes (HPRO) -	44	88	88	88	88	88	88	88	88	88	88	88	88
Caustic Soda -	600000	1200000	1200000	1200000	1200000	1200000	1200000	1200000	1200000	1200000	1200000	1200000	1200000
Sulfuric Acid -	500000	1000000	1000000	1000000	1000000	1000000	1000000	1000000	1000000	1000000	1000000	1000000	1000000
Anti-Scalant -	8	16	16	16	16	16	16	16	16	16	16	16	16
Lime (Bulk) -	600000	1200000	1200000	1200000	1200000	1200000	1200000	1200000	1200000	1200000	1200000	1200000	1200000
Muriatic Acid -	155	310	310	310	310	310	310	310	310	310	310	310	310
Membrane Cleaner -	4	8	8	8	8	8	8	8	8	8	8	8	8

Expanded R.O. Plant Consumables

Base Rate -

	Base Rate	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
R.O. Plant Rate	300	0	0	0	0	0	0	0	600	600	600	600	600
Filters -	700	0	0	0	0	0	0	0	1400	1400	1400	1400	1400
Membranes (LPRO) -	144	0	0	0	0	0	0	0	288	288	288	288	288
Membranes (HPRO) -	44	0	0	0	0	0	0	0	88	88	88	88	88
Caustic Soda -	600000	0	0	0	0	0	0	0	1200000	1200000	1200000	1200000	1200000
Sulfuric Acid -	500000	0	0	0	0	0	0	0	1000000	1000000	1000000	1000000	1000000
Anti-Scalant -	8	0	0	0	0	0	0	0	16	16	16	16	16
Lime (Bulk) -	600000	0	0	0	0	0	0	0	1200000	1200000	1200000	1200000	1200000
Muriatic Acid -	155	0	0	0	0	0	0	0	310	310	310	310	310
Membrane Cleaner -	4	0	0	0	0	0	0	0	8	8	8	8	8

Program Element	2017	2018	2019	2020	2021	2022
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 2016 closure cost estimate for years 2017 through 2022 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. The restoration activities associated with the program schedule are as follows:

- The Tailings Flushing program is to continue through 2014.
- The Toe Drain collection is to continue through 2016.
- The Collection for ReInjection program is to continue through 2017.
- The Tailings Dewatering program is to continue through 2016.
- The Upper Chinle Injection program is to continue through 2020.
- The Middle Chinle Injection program is to continue through 2020.
- The Freshwater Injection program is to continue through 2020.
- The placement of the Radon Barrier and the Rock Cover for the Large Tailings Pile is to occur in 2021.
- Existing R.O. Plant to be operated at a feed rate of 600 gpm from 2015 through 2020.

- Expanded R.O. Treatment to be operated at a feed rate of 600 gpm from 2016 through 2020.
- The Zeolite water treatment is to be operated at a feed rate of 1200 to 1500 gpm from 2016 through 2020.
- The Ground-water restoration program is to continue through 2020.
- The Alluvial collection is to continue through 2020.
- The operation of Evaporation Pond No. 1 is to continue through 2021.
- The reclamation of Evaporation Pond No. 1 is to occur in 2022.
- The operation of Evaporation Ponds No. 2 and No. 3 and the East and West Collection ponds is to continue through 2021.
- The reclamation of Evaporation Ponds No. 2 and No. 3 and the East and West Collection ponds is to occur in 2022.
- The placement of the Radon Barrier and the Rock Cover for the Small Tailings Pile is to occur in 2022.
- The R.O. Plant demolition is to occur in 2022.
- The Office and other on-site demolition are to occur in 2022.

HMC Cost Estimate
Instruction Sheet

General Instructions for Navigating the Spreadsheet

This spreadsheet contains several individual worksheets detailing the cost breakout for Homestake Mining Company's Grants Uranium Project. The individual worksheets can each be selected and printed out by using the print command and selecting "print active sheets". Worksheets 1, 2, 3, and 4 contain costs in current year dollars for the project calculated from the inputs from worksheets 5, 6, 7, and 8. Any edits to the spreadsheet should only be done in worksheets 5, 6, 7, and 8. The values in sheets 1, 2, 3, and 4 are all calculated values from sheets 5, 6, 7, and 8 and should not be modified in any way. In typical versions of the spreadsheet, the Instructions worksheet is preceded by a Gantt chart schedule and a text listing of the schedule.

The following is a list of the separate worksheets and their individual functions.

- (1) Life of Project Roll-Up 1 :** This worksheet presents a 1 page roll-up of the costs associated with the project for the life of the project. This roll-up presents a roll-up of the costs into the major categories associated with the project. The total cost in this worksheet includes 15% contingency and the long term care and maintenance fee. The values in this sheet are calculated values from other sheets. None of the values in this sheet should be edited.
- (2) Life of Project Roll-Up 2 :** This worksheet presents an 7 page roll-up of the costs associated with the project for the life of the project. This roll-up presents a more detailed breakup of the costs associated with the project than the previous roll-up. The major categories are broken into several sub-categories and the costs associated with these subcategories is presented. The values in this sheet are calculated values from other sheets. None of the values in this sheet should be edited.
- (3) Costs per Year 1 :** This worksheet contains 9 pages of the total costs associated with the project for the major categories per year as well as for the life of the project. The values in this worksheet are calculated values using the inputs in the "Unit Costs-Quantities" worksheet. The values in this sheet should not be modified. To change these numbers, edits should be made to the "Unit Costs-Quantities" sheet.
- (4) Costs per Year 2 :** This worksheet contains 21 pages of the total costs for the project. This sheet presents a more detailed breakup of the major categories into several sub-categories. Costs are presented per year for the project. The values in this worksheet are calculated values using the inputs in the "Unit Costs-Quantities" worksheet. The values in this sheet should not be modified. To change these numbers, edits should be made to

Instructions

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Revised: 2/19/2016; Printed: 3/29/2016

HMC Cost Estimate
Instruction Sheet

the "Unit Costs-Quantities" sheet.

(4A) Comments and Profit : This worksheet contains 21 pages of comments and, where designated, a cost adjustment for overhead or profit. Comments indicate the nature of costs and whether or not there is a cost adjustment for overhead or profit. For many line items in the General and Admin. category, there is a specified percentage increase in costs for profit and overhead. This percentage increase is converted to a calculated adjustment factor for each indicated cost item. If necessary, the cost increase percentage column can be changed, and this will be reflected in the corresponding adjustment factors.

(5) Unit Costs and Quantities : This worksheet contains 21 pages of unit costs and quantities for all items associated with the project. The major categories are broken into sub-categories, and the sub-categories contain the various items associated with the project. Each item has a unit cost and a quantity for each year. The unit costs are the same for every year, but the quantities are varied for the life of the project. Some of the unit costs are actually lump sum values for simplicity in the estimate. The unit costs and quantities can be modified in this sheet and the remaining sheets will reflect these changes. The unit costs in red are unit costs that are expected to vary on a regular basis. These unit costs should be modified on the "Unit Costs" sheet rather than this sheet.
Update - 2010: Modifications were made to some line items in the Equipment Expenses sub-category starting at line 52. In particular, a line item titled Large Equipment Replacement was added to allocate costs for purchase, replacement, or possibly refurbishment of three large equipment pieces including the backhoe, loader and forklift. Corresponding adjustments were made in annual maintenance costs for this equipment. The equipment in question is used for only a limited number of hours each year and will not require frequent replacement.

(6) Unit Costs : This worksheet contains the unit costs that are expected to vary on a regular basis. These unit costs should be modified in this sheet, and the rest of the sheets will reflect these changes.

(7) Electrical Meter Calc : This worksheet was originally the calculation for distributing the kilowatt-hour usage for meter 453180401 to each of the systems that are metered by that meter. The worksheet has evolved into a scaled calculation of the electrical power usage by the collection, treatment, and injection systems, as well as smaller incidental uses at the site.

Instructions

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Revised: 2/19/2016; Printed: 3/29/2016

HMC Cost Estimate
Instruction Sheet

The KWH usage for each system is calculated using the gpm for each system and applying a factor to these rates to account for pressure difference in the systems then distributing the KWH usage accordingly. The gpm for each system can be modified in this sheet and the KWH usage used in sheet 6 will reflect these changes. This sheet was modified in 2005 to make the power usage for meter 453180501 dependent on the operational rate of the R.O. The power usage for meter 453180401 was modified in 2014 to expand the pumping rate-based usage to include expanded off-site collection. The electrical power for the north and south off-site collection was subsequently separated from meter 453180401 in 2015.

(8) NRC Long Term Maintenance : This worksheet contains the calculations for adjusting the long term care and maintenance fee to the current years dollars using the CPI Indices. The CPI for the current year should be modified in this sheet, and the value on sheet 1 will reflect this change.

(9) Physical Reclamation Costs : This worksheet contains a 2 page roll-up of all physical physical reclamation costs associated with the project.

(10) R.O. Rate Scaling : This worksheet was added in 2006 and contains calculations to scale quantities of R.O. plant consumables according to the plant operating rate.

GRANTS PROJECT
Closure Cost Estimate
Costs for Life of Project
2016 Dollars

Physical Reclamation Costs

Tailings Facility Closure / Reclamation	XXXXX-810-23-3600	\$15,631,495
Other On-Site Demolition	XXXXX-810-23-3300	\$200,929
TOTAL PHYSICAL RECLAMATION COSTS		\$15,832,424

LONG-TERM CARE AND MAINTENANCE

WATER TREATMENT	XXXXX-810-23-5100		\$28,232,627
		General	\$1,552,701
		Tailings Water Management	\$544,110
		Groundwater Management	\$5,694,187
		R.O. Plant Operations	\$6,171,121
		Expanded R.O. Water Treatment	\$5,788,262
		Zeolite Water Treatment	\$5,458,880
		Alternate Remediation Testing	\$0
		Evaporation System Management	\$2,483,316
		Land Application Area Management	\$540,050
Monitoring / Regulatory	XXXXX-810-23-5200		\$1,950,246
		General	\$1,500,000
		Air / Weather Monitoring	\$98,040
		Radiation Monitoring	\$322,206
		Settlement Monument Monitoring	\$30,000
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		\$7,260,113
		Salaries & Benefits	\$6,168,533
		General Office Costs	\$99,000
		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	\$210,000
TOTAL LONG-TERM CARE AND MAINTENANCE COSTS			\$37,742,986
TOTAL INCOME			\$0
TOTAL EXPENSES LESS INCOME			\$53,575,410
15% Contingency fee per NUREG-1620 Appendix C			\$8,036,312
NRC Long-Term Maintenance / Surveillance Fee			\$878,769
TOTAL WITH CONTINGENCY AND LT SURVEILLANCE FEE			\$62,490,490

GRANTS PROJECT
Closure Cost Estimate
Costs for Life of Project
2016 Dollars

Physical Reclamation Costs

Tailings Facility Closure / Reclamation	XXXXX-810-23-3600	\$15,631,495
---	-------------------	--------------

711040-	Consulting	\$1,326,839
714090-	Outside Services	\$14,304,656
		Total \$15,631,495

Other On-Site Demolition	XXXXX-810-23-3300	\$200,929
--------------------------	-------------------	-----------

711040-	Consulting	\$37,291
714090-	Outside Services	\$163,638
		Total \$200,929

TOTAL PHYSICAL RECLAMATION COSTS		\$15,832,424
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LONG-TERM CARE AND MAINTENANCE

WATER TREATMENT	XXXXX-810-23-5100	\$28,232,627
-----------------	-------------------	--------------

General		\$1,552,701
---------	--	-------------

717050 -	Fuel:	\$100,641
718010 -	Freight and Transportation:	\$30,000
717060 -	Equipment Expenses:	\$738,408
717075 -	Vehicle Expenses:	\$514,800
610020 -	Utilities:	\$168,852
		Total \$1,552,701

Tailings Water Management		\$544,110
---------------------------	--	-----------

711030 -	Water Analysis:	\$28,520
714010 -	Driller costs:	\$473,590
610020 -	Utilities:	\$0
		Total \$502,110

Tailings Collection		
---------------------	--	--

714090 -	Outside Services:	\$7,000
711040 -	Consulting Services:	\$30,000
711020 -	Parts and Supplies:	\$0
712010 -	Pumps:	\$0
		Total \$37,000

GRANTS PROJECT
Closure Cost Estimate
Costs for Life of Project
2016 Dollars

Toe Drains and Sumps Collection

711040 -	Consulting Services:	\$5,000
714090 -	Outside Services:	\$0
711020 -	Parts and Supplies:	\$0
712010 -	Pumps:	\$0
Total		\$5,000

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

\$5,694,187

711030 -	Water Analysis:	\$419,350
714010 -	Driller costs:	\$3,718,480
Total		\$4,137,830

Groundwater Collection

714090 -	Outside Services:	\$102,000
711040 -	Consulting Services:	\$120,000
On-Site		
610020 -	Utilities:	\$309,540
North Off-Site		
610020 -	Utilities:	\$143,000
South Off-Site		
610020 -	Utilities:	\$156,200
C-Line		
711020 -	Parts and Supplies:	\$157,680
712010 -	Pumps:	\$49,500
K-Line		
711020 -	Parts and Supplies:	\$9,280
712010 -	Pumps:	\$8,400
610020 -	Utilities:	\$1,320
B-Line		
711020 -	Parts and Supplies:	\$9,280
712010 -	Pumps:	\$8,400
D-Line		
711020 -	Parts and Supplies:	\$4,640
712010 -	Pumps:	\$4,200
S-Line		
711020 -	Parts and Supplies:	\$4,640
712010 -	Pumps:	\$4,200
610020 -	Utilities:	\$3,300
P-Line		
711020 -	Parts and Supplies:	\$0
712010 -	Pumps:	\$0
610020 -	Utilities:	\$1,980
T-Line		
711020 -	Parts and Supplies:	\$16,560
712010 -	Pumps:	\$16,800
L-Line		
711020 -	Parts and Supplies:	\$0
712010 -	Pumps:	\$0
610020 -	Utilities:	\$1,320
521, 522, and 639		
711020 -	Parts and Supplies:	\$0
712010 -	Pumps:	\$0
610020 -	Utilities:	\$1,320
Total		\$1,133,560

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<u>Groundwater Injection</u>			
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:	\$96,180	
K-Line			
711020 -	Parts and Supplies:	\$0	
J-Line			
711020 -	Parts and Supplies:	\$0	
X-Line			
711020 -	Parts and Supplies:	\$3,680	
G-Line			
711020 -	Parts and Supplies:	\$0	
D-Line			
711020 -	Parts and Supplies:	\$7,360	
T-Line			
711020 -	Parts and Supplies:	\$8,700	
S-Line			
711020 -	Parts and Supplies:	\$6,020	
Upper Chinle			
711020 -	Parts and Supplies:	\$3,680	
Middle Chinle			
711020 -	Parts and Supplies:	\$3,680	
Total		<u>\$422,798</u>	
<u>R.O. Plant Operations</u>			\$6,171,121
714090 -	Outside Services:	\$72,000	
711040 -	Consulting Services:	\$240,000	
610020 -	Utilities:	\$1,033,960	
711020 -	Parts and Supplies:	\$4,721,209	
712010 -	Pumps/Starters:	\$80,000	
711030 -	Water Analysis:	\$23,952	
Total		<u>\$6,171,121</u>	
<u>Expanded R.O. Water Treatment</u>			\$5,788,262
714090 -	Outside Services:	\$20,000	
711040 -	Consulting Services:	\$100,000	
711020 -	Parts and Supplies:	\$4,615,714	
711030 -	Water Analysis:	\$18,588	
610020 -	Utilities:	\$1,033,960	
Total		<u>\$5,788,262</u>	
<u>Zeolite Water Treatment</u>			\$5,458,880
714090 -	Outside Services:	\$0	
711040 -	Consulting Services:	\$120,000	
711020 -	Parts and Supplies:	\$5,228,240	
711030 -	Water Analysis:	\$88,640	
610020 -	Utilities:	\$22,000	
Total		<u>\$5,458,880</u>	

GRANTS PROJECT
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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		\$2,483,316
714090 -	Outside Services:	\$118,000
711040 -	Consulting Services:	\$90,000
711030 -	Water Analysis:	\$17,872
610020 -	Utilities:	\$1,502,399
	Total	\$1,728,271
East Collection Pond		
711020 -	Parts and Supplies:	\$119,240
	Total	\$119,240
West Collection Pond		
711020 -	Parts and Supplies:	\$119,240
	Total	\$119,240
No. 1 Evaporation Pond		
711020 -	Parts and Supplies:	\$182,405
712010 -	Pumps:	\$60,000
	Total	\$242,405
No. 2 & No. 3 Evaporation Ponds		
711020 -	Parts and Supplies:	\$204,160
712010 -	Pumps:	\$70,000
	Total	\$274,160
Irrigation System Management		\$540,050
714090 -	Outside Services:	\$80,000
711040 -	Consulting Services:	\$0
711020 -	Parts and Supplies:	\$34,936
718070 -	Vegetation Analysis:	\$2,820
718030 -	Soil Analysis:	\$44,100
711030 -	Water Analysis:	\$18,194
	Total	\$180,050
Section 34 Land Application Area		
714090 -	Outside Services:	\$40,000
	Total	\$40,000
Section 34 Land Application Area		
714090 -	Outside Services:	\$160,000
	Total	\$160,000
Section 34 Land Application Area		
714090 -	Outside Services:	\$160,000
	Total	\$160,000

GRANTS PROJECT
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Monitoring / Regulatory XXXXX-810-23-5200			\$1,950,246
General			\$1,500,000
718900 -	NRC Fees:	\$900,000	
718025 -	Permitting Fees:	\$30,000	
711040 -	Consulting Services:	\$570,000	
	Total	\$1,500,000	
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			\$322,206
714090 -	Outside Services:	\$36,000	
711020 -	Parts and Supplies:	\$83,286	
718030 -	Lab Fees:	\$160,368	
610020 -	Utilities:	\$24,552	
711040 -	Radiation Training:	\$18,000	
	Total	\$322,206	
Settlement Monument Monitoring			\$30,000
714090 -	Outside Services:	\$30,000	
	Total	\$30,000	
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
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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

\$7,260,113

Salaries & Benefits			\$6,168,533
600000-	Salaries - General	\$2,447,313	
600040-	Benefits - General	\$1,003,398	
600001-	Salaries - Groundwater	\$1,712,214	
600040-	Benefits - Groundwater	\$702,008	
600050-	Temporary labor	\$145,200	
601060-	Workman's compensation	\$0	
601130-	Memberships	\$98,400	
601140-	Seminars & training (employees)	\$30,000	
603000-	Employee relations	\$30,000	
	Total	\$6,168,533	

General Office Costs			\$99,000
622000-	Stationery & supplies	\$90,000	
622040-	Publications & subscriptions	\$0	
622050-	Miscellaneous	\$9,000	
622070-	Lunch / Dinners	\$0	
	Total	\$99,000	

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
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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			\$210,000
714090-	W/C Admin.	\$210,000	
	Total	\$210,000	
TOTAL LONG-TERM CARE AND MAINTENANCE COSTS			<u>\$37,742,986</u>
INCOME			<u>\$0</u>
TOTAL EXPENSES LESS INCOME			<u><u>\$53,575,410</u></u>

GRANTS PROJECT
Closure Cost Estimate
Estimated Costs Per Year
2017 Through Completion

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

	2017	2018	2019	2020	2021	2022	Total
711040 - Consulting:	0	0	0	0	616,871	709,968	1,326,839
714090 - Outside Services:	50,000	50,000	50,000	50,000	7,643,451	6,461,205	14,304,656
<i>Total Closure/Reclamation</i>	50,000	50,000	50,000	50,000	8,260,322	7,171,174	15,631,495

ON-SITE DEMOLITION
XXXXXX-810-23-3300

711040 - Consulting:	0	0	0	0	0	37,291	37,291
714090 - Outside Services:	0	0	0	0	0	163,638	163,638
<i>Total Demolition</i>	0	0	0	0	0	200,929	200,929

WATER TREATMENT
XXXXXX-810-23-5100

--General--

717050 - Fuel:	16,774	16,774	16,774	16,774	16,774	16,774	100,641
718010 - Freight and Transportation:	5,000	5,000	5,000	5,000	5,000	5,000	30,000
717060 - Equipment Expenses:	123,068	123,068	123,068	123,068	123,068	123,068	738,408
717075 - Vehicle Expenses:	100,100	100,100	85,800	85,800	71,500	71,500	514,800
610020 - Utilities:	28,142	28,142	28,142	28,142	28,142	28,142	168,852
<i>Total</i>	273,084	273,084	258,784	258,784	244,484	244,484	1,552,701

--Tailings Water Management--

711030 - Water Analysis:	12,440	12,440	1,280	1,280	1,080	0	28,520
714010 - Driller costs:	0	0	456,940	0	0	16,650	473,590
610020 - Utilities:	0	0	0	0	0	0	0
<i>Subtotal</i>	12,440	12,440	458,220	1,280	1,080	16,650	502,110

Tailings Collection

714090 - Outside Services:	7000	0	0	0	0	0	7000
711040 - Consulting Services:	30000	0	0	0	0	0	30000
711020 - Parts and Supplies:	0	0	0	0	0	0	0
712010 - Pumps:	0	0	0	0	0	0	0
<i>Subtotal</i>	37,000	0	0	0	0	0	37,000

GRANTS PROJECT
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Estimated Costs Per Year
2017 Through Completion

WATER TREATMENT (Cont.) XXXXXX-810-23-5100							
	2017	2018	2019	2020	2021	2022	Total
Toe Drains and Sumps Collection							
711040 - Consulting Services:	5,000	0	0	0	0	0	5,000
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	0	0	0	0	0	5,000
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	54,440	12,440	458,220	1,280	1,080	16,650	544,110
--Groundwater Management--							
711030 - Water Analysis:	93,948	93,948	93,948	84,948	32,070	20,488	419,350
714010 - Driller costs:	1,028,720	451,220	368,720	11,220	773,200	1,085,400	3,718,480
Subtotal	1,122,668	545,168	462,668	96,168	805,270	1,105,888	4,137,830
Groundwater Collection							
714090 - Outside Services:	33,000	23,000	23,000	23,000	0	0	102,000
711040 - Consulting Services:	30,000	30,000	30,000	30,000	0	0	120,000
General On-Site							
610020 - Utilities:	77,385	77,385	77,385	77,385	0	0	309,540
General North Off-Site							
610020 - Utilities:	35,750	35,750	35,750	35,750	0	0	143,000
General South Off-Site							
610020 - Utilities:	39,050	39,050	39,050	39,050	0	0	156,200
C-Line							
711020 - Parts and Supplies:	52,600	52,600	26,240	26,240	0	0	157,680
712010 - Pumps:	16,500	16,500	8,250	8,250	0	0	49,500
K-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
610020 - Utilities:	330	330	330	330	0	0	1,320
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:	2,320	2,320	0	0	0	0	4,640
712010 - Pumps:	2,100	2,100	0	0	0	0	4,200

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2017 Through Completion

WATER TREATMENT (Cont.) XXXXXX-810-23-5100			2017	2018	2019	2020	2021	2022	Total
<u>S-Line</u>									
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:		1,650	1,650	0	0	0	0	3,300
<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	330	330	330	1,980
<u>T-Line</u>									
711020 -	Parts and Supplies:		4,140	4,140	4,140	4,140	0	0	16,560
712010 -	Pumps:		4,200	4,200	4,200	4,200	0	0	16,800
<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:		1,320	0	0	0	0	0	1,320
<u>521, 522, and 639</u>									
711020 -	Parts and Supplies:		0	0	0	0	0	0	0
712010 -	Pumps:		0	0	0	0	0	0	0
610020 -	Utilities:		1,320	0	0	0	0	0	1,320
<i>Subtotal</i>			315,255	302,615	257,515	257,515	330	330	1,133,560
<u>Groundwater Injection</u>									
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:		32,100	32,100	15,990	15,990	0	0	96,180
<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:		1,840	1,840	0	0	0	0	3,680
<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	2,510	2,510	1,170	0	0	8,700
<u>S-Line</u>									
711020 -	Parts and Supplies:		1,840	1,840	1,170	1,170	0	0	6,020
<u>Upper Chinle</u>									
711020 -	Parts and Supplies:		1,840	1,840	0	0	0	0	3,680

GRANTS PROJECT
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WATER TREATMENT (Cont.) XXXXXX-810-23-5100		2017	2018	2019	2020	2021	2022	Total
Middle Chinle								
711020 - Parts and Supplies:		1,840	1,840	0	0	0	0	3,680
Subtotal		106,250	106,250	83,950	82,610	21,868	21,868	422,798
Total		1,544,173	954,033	804,133	436,293	827,468	1,128,086	5,694,187
R.O. Plant Operations								
714090 - Outside Services:		18,000	18,000	18,000	18,000	0	0	72,000
711040 - Consulting Services:		60,000	60,000	60,000	60,000	0	0	240,000
610020 - Utilities:		256,572	256,572	256,572	256,572	3,836	3,836	1,033,960
711020 - Parts and Supplies:		1,179,552	1,182,552	1,179,552	1,179,552	0	0	4,721,209
712010 - Pumps/Starters:		20,000	20,000	20,000	20,000	0	0	80,000
711030 - Water Analysis:		5,988	5,988	5,988	5,988	0	0	23,952
Total		1,540,112	1,543,112	1,540,112	1,540,112	3,836	3,836	6,171,121
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:		1,140,679	1,168,679	1,140,679	1,165,679	0	0	4,615,714
711030 - Water Analysis:		4,647	4,647	4,647	4,647	0	0	18,588
610020 - Utilities:		256,572	256,572	256,572	256,572	3,836	3,836	1,033,960
Total		1,175,326	1,203,326	1,175,326	1,200,326	0	0	5,788,262
Zeolite Water Treatment								
714090 - Outside Services:		0	0	0	0	0	0	0
711040 - Consulting Services:		30,000	30,000	30,000	30,000	0	0	120,000
711020 - Parts and Supplies:		1,307,060	1,307,060	1,307,060	1,307,060	0	0	5,228,240
711030 - Water Analysis:		22,160	22,160	22,160	22,160	0	0	88,640
610020 - Utilities:		5,500	5,500	5,500	5,500	0	0	22,000
Total		1,364,720	1,364,720	1,364,720	1,364,720	0	0	5,458,880
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
Total		0	0	0	0	0	0	0
-Evaporation System Management-								
714090 - Outside Services:		27,000	32,000	27,000	32,000	0	0	118,000
711040 - Consulting Services:		30,000	10,000	30,000	10,000	10,000	0	90,000
711030 - Water Analysis:		4,468	4,468	4,468	4,468	0	0	17,872
610020 - Utilities:		300,480	300,480	300,480	300,480	300,480	0	1,502,399
Subtotal		361,948	346,948	361,948	346,948	310,480	0	1,728,271
East Collection Pond								
711020 - Parts and Supplies:		23,848	23,848	23,848	23,848	23,848	0	119,240
Subtotal		23,848	23,848	23,848	23,848	23,848	0	119,240
West Collection Pond								
711020 - Parts and Supplies:		23,848	23,848	23,848	23,848	23,848	0	119,240
Subtotal		23,848	23,848	23,848	23,848	23,848	0	119,240

GRANTS PROJECT
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2017 Through Completion

WATER TREATMENT (Cont.) XXXXXX-810-23-5100		2017	2018	2019	2020	2021	2022	Total
No. 1 Evaporation Pond								
711020 - Parts and Supplies:		36,481	36,481	36,481	36,481	36,481	0	182,405
712010 - Pumps:		12,000	12,000	12,000	12,000	12,000	0	60,000
<i>Subtotal</i>		48,481	48,481	48,481	48,481	48,481	0	242,405
No. 2 & No. 3 Evaporation Ponds								
711020 - Parts and Supplies:		40,832	40,832	40,832	40,832	40,832	0	204,160
712010 - Pumps:		14,000	14,000	14,000	14,000	14,000	0	70,000
<i>Subtotal</i>		54,832	54,832	54,832	54,832	54,832	0	274,160
<i>Total</i>		512,957	497,957	512,957	497,957	461,489	0	2,483,316
--Land Application Area Management and Closure--								
714090 - Outside Services:		20,000	20,000	20,000	20,000	0	0	80,000
711040 - Consulting Services:		0	0	0	0	0	0	0
711020 - Parts and Supplies:		9,734	9,734	7,734	7,734	0	0	34,936
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:		4,549	4,549	4,549	4,549	0	0	18,194
<i>Subtotal</i>		46,013	46,013	44,013	44,013	0	0	180,050
Section 34 Land Application Area								
Section 34 Land Application Closure								
714090 - Outside Services:		0	40,000	0	0	0	0	40,000
<i>Subtotal</i>		0	40,000	0	0	0	0	40,000
Section 28 Land Application Area								
Section 34 Land Application Closure								
714090 - Outside Services:		0	160,000	0	0	0	0	160,000
<i>Subtotal</i>		0	160,000	0	0	0	0	160,000
Section 33 Land Application Area								
Section 34 Land Application Closure								
714090 - Outside Services:		0	160,000	0	0	0	0	160,000
<i>Subtotal</i>		0	160,000	0	0	0	0	160,000
<i>Total</i>		46,013	406,013	44,013	44,013	0	0	540,050
<i>Total Water Treatment</i>		6,510,824	6,254,684	6,158,264	5,343,484	1,538,356	1,393,055	28,232,627

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MONITORING/REGULATORY XXXXXX-810-23-5200							
	2017	2018	2019	2020	2021	2022	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:	70,000	110,000	90,000	90,000	120,000	90,000	570,000
<i>Total</i>	225,000	265,000	245,000	245,000	275,000	245,000	1,500,000
--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
<i>Total</i>	16,340	16,340	16,340	16,340	16,340	16,340	98,040
--Radiation Monitoring--							
714090 - Outside Services:	6,000	6,000	6,000	6,000	6,000	6,000	36,000
711020 - Parts and Supplies:	13,881	13,881	13,881	13,881	13,881	13,881	83,286
718030 - Lab Fees:	26,728	26,728	26,728	26,728	26,728	26,728	160,368
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
<i>Total</i>	53,701	53,701	53,701	53,701	53,701	53,701	322,206
--Settlement Monument Monitoring--							
714090 - Outside Services:	5,000	5,000	5,000	5,000	5,000	5,000	30,000
<i>Total</i>	5,000	5,000	5,000	5,000	5,000	5,000	30,000
<i>Total Monitoring/Regulatory</i>	300,041	340,041	320,041	320,041	350,041	320,041	1,950,246

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HOLDING XXXXXX-811-23-5300							
	2017	2018	2019	2020	2021	2022	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
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							
	2017	2018	2019	2020	2021	2022	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							
	2017	2018	2019	2020	2021	2022	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

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GENERAL AND ADMIN. XXXXXX-811-23-5500		2017	2018	2019	2020	2021	2022	Total
--Salaries and Benefits--								
600000 - Salaries - General:		407,886	407,886	407,886	407,886	407,886	407,886	2,447,313
600040 - Benefits - General:		167,233	167,233	167,233	167,233	167,233	167,233	1,003,398
600001 - Salaries - Groundwater:		327,248	327,248	327,248	276,993	226,739	226,739	1,712,214
600040 - Benefits - Groundwater:		134,172	134,172	134,172	113,567	92,963	92,963	702,008
600050 - Temporary Labor:		16,500	16,500	16,500	16,500	39,600	39,600	145,200
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		1,079,438	1,079,438	1,079,438	1,008,579	960,820	960,820	6,168,533
--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
Total		16,500	16,500	16,500	16,500	16,500	16,500	99,000
--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

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GENERAL AND ADMIN. (Cont.) XXXXXX-811-23-5500							
	2017	2018	2019	2020	2021	2022	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
<i>Total</i>	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
<i>Total</i>	15,000	15,000	15,000	15,000	15,000	15,000	90,000
--Outside Services--							
714090 - General Outside Services	35,000	35,000	35,000	35,000	35,000	35,000	210,000
<i>Total</i>	35,000	35,000	35,000	35,000	35,000	35,000	210,000
<i>Total General/Admin.</i>	1,261,368	1,261,368	1,261,368	1,190,509	1,142,750	1,142,750	7,260,113
<i>Grand Total</i>	8,172,233	7,956,093	7,839,673	6,954,034	11,341,469	10,277,948	53,575,410
MISCELLANEOUS INCOME XXXXXX-XXX-XX-XXXX							
	2017	2018	2019	2020	2021	2022	Total
--Misc. Income--							
499000 - Misc. Income:	0	0	0	0	0	0	0
<i>Total Misc. Income.</i>	0	0	0	0	0	0	0

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TAILINGS FACILITY CLOSURE / RECLAMATION XXXXXX-810-23-3600							
	2017	2018	2019	2020	2021	2022	Total
711043 - Consulting:	0	0	0	0	616,871	709,968	1,326,839
Large Tailings Pile Closure -	0	0	0	0	440,713	0	440,713
Final Closure and Demolition (R.O. Plant, Small Tailings Piles, E. and W. Collection ponds and No. 1, No. 2 and No. 3 Evap. Ponds) -	0	0	0	0	176,158	709,968	886,126
Review of Physical Reclamation -	0	0	0	0	0	0	0
714290 - Outside Services:	50,000	50,000	50,000	50,000	7,643,451	6,461,205	14,304,656
Large Tailings Pile Closure -	0	0	0	0	6,086,146	0	6,086,146
Current Reclamation Reports -	50,000	50,000	50,000	50,000	750,000	0	950,000
Pond Closure -	0	0	0	0	756,453	2,630,650	3,387,103
Small Tailings Pile Closure -	0	0	0	0	0	3,451,124	3,451,124
R.O. Plant Demolition -	0	0	0	0	0	378,431	378,431
Radiological Survey and Environmental Monitoring -	0	0	0	0	50,852	0	50,852
Total Closure/Reclamation	50,000	50,000	50,000	50,000	8,260,322	7,171,174	15,631,495

ON-SITE DEMOLITION XXXXXX-810-23-3300							
	2017	2018	2019	2020	2021	2022	Total
711040 - Consulting:	0	0	0	0	0	37,291	37,291
Engineering Design / QA/QC -	0	0	0	0	0	37,291	37,291
714290 - Outside Services:	0	0	0	0	0	163,638	163,638
Demolition / Cleanup -	0	0	0	0	0	163,638	163,638
Total Demolition	0	0	0	0	0	200,929	200,929

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WATER TREATMENT XXXXXX-810-23-5100		2017	2018	2019	2020	2021	2022	Total
--General--								
717050 - Fuel:		16,774	16,774	16,774	16,774	16,774	16,774	130,644
	Diesel -	6,219	6,219	6,219	6,219	6,219	6,219	50,554
	Gas -	10,554	10,554	10,554	10,554	10,554	10,554	84,090
715010 - Freight and Transportation:		5,000	5,000	5,000	5,000	5,000	5,000	40,000
717060 - Equipment Expenses:		123,068	123,068	123,068	123,068	123,068	123,068	984,544
	Crane -	4,000	4,000	4,000	4,000	4,000	4,000	32,000
	Loader -	8,000	8,000	8,000	8,000	8,000	8,000	64,000
	Backhoe -	5,000	5,000	5,000	5,000	5,000	5,000	40,000
	Cat Dozer -	13,068	13,068	13,068	13,068	13,068	13,068	104,544
	Forklift -	2,000	2,000	2,000	2,000	2,000	2,000	16,000
	Large Equipment Replacement	75,000	75,000	75,000	75,000	75,000	75,000	600,000
	Compressor -	500	500	500	500	500	500	4,000
	Onan Small Generator -	500	500	500	500	500	500	4,000
	New Generator -	500	500	500	500	500	500	4,000
	HDPE Fusion Machines -	1,500	1,500	1,500	1,500	1,500	1,500	12,000
	Pump Unit -	4,000	4,000	4,000	4,000	4,000	4,000	32,000
	Misc. Equipment Rental -	7,000	7,000	7,000	7,000	7,000	7,000	56,000
	All Other Equipment -	2,000	2,000	2,000	2,000	2,000	2,000	16,000
717075 - Vehicle Expenses:		100,100	100,100	85,800	85,800	71,500	71,500	574,800
	Vehicle Maintenance and Repair	16,100	16,100	13,800	13,800	11,500	11,500	106,800
	Truck Leasing -	60,000	60,000	48,000	48,000	36,000	36,000	288,000
	Support Vehicle Leasing -	24,000	24,000	24,000	24,000	24,000	24,000	192,000
610020 - Utilities:		28,142	28,142	28,142	28,142	28,142	28,142	225,136
	Electrical Meter 453097200 -	12,650	12,650	12,650	12,650	12,650	12,650	101,200
	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	1,056
	Natural Gas Meter 03129333 -	15,360	15,360	15,360	15,360	15,360	15,360	122,880
	Natural Gas Meter 03141134 -	0	0	0	0	0	0	0
Total		273,084	273,084	258,784	258,784	244,484	244,484	1,552,701
--Tailings Water Management--								
711030 - Water Analysis:		12,440	12,440	1,280	1,280	1,080	0	28,520
	A-1st	0	0	0	0	0	0	0
	B-1st	9,000	9,000	0	0	0	0	72,000
	C-1st	0	0	0	0	0	0	0
	D-1st	0	0	0	0	0	0	0
	E-1st	0	0	0	0	0	0	0
	F-1st	0	0	0	0	0	0	0
	G-1st	0	0	0	0	0	0	0
	H-1st	3,240	3,240	1,080	1,080	1,080	0	12,720
	I-1st	0	0	0	0	0	0	0
	J-1st	0	0	0	0	0	0	0
	KPA Samples	200	200	200	200	0	0	800

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WATER TREATMENT (Cont.)							
XXXXXX-810-23-5100							
	2017	2018	2019	2020	2021	2022	Total
714010 - Driller costs:	0	0	456,940	0	0	16,650	473,590
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	0	330,000	0	0	0	330,000
2" Tailings Well Abandonment -	0	0	65,340	0	0	0	65,340
Perched Alluvial Well Abandonment -	0	0	61600	0	0	0	61600
U Charlie Well Development -	0	0	0	0	0	0	0
U Charlie Well Abandonment -	0	0	0	0	0	16650	16650
610020 - Utilities:	0	0	0	0	0	0	0
Electrical Meter 453180401 -	0	0	0	0	0	0	0
Electrical Meter 453016900 -	0	0	0	0	0	0	0
Subtotal	12,440	12,440	458,220	1,280	1,080	16,650	502,110
Tailings Collection							
714090 - Outside Services:	7000	0	0	0	0	0	7000
City Electric -	0	0	0	0	0	0	0
Northwest Geophysical -	7000	0	0	0	0	0	7000
Surveyor -	0	0	0	0	0	0	0
Pump/motor repair -	0	0	0	0	0	0	0
711040 - Consulting Services:	30000	0	0	0	0	0	30000
Hydrologist/Engineer -	30000	0	0	0	0	0	30000
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
Subtotal	37,000	0	0	0	0	0	37,000
Toe Drains and Sumps Collection							
711040 - Consulting Services:	5,000	0	0	0	0	0	5,000
Hydrologist/Engineer -	5,000	0	0	0	0	0	5,000
714090 - Outside Services:	0	0	0	0	0	0	0
Pump/motor repair -	0	0	0	0	0	0	0
City Electric -	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	0	0	0	0	0	5,000

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WATER TREATMENT (Cont.) XXXXXX-810-23-6100		2017	2018	2019	2020	2021	2022	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
	City Electric -	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 453036700 -	0	0	0	0	0	0	0
	Electrical Meter 453036800 -	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		54,440	12,440	458,220	1,280	1,080	16,650	544,110
-Groundwater Management-								
711030 - Water Analysis:		93,948	93,948	93,948	84,948	32,070	20,488	419,350
	A-list	450	450	450	450	360	360	2,520
	B-list	25,425	25,425	25,425	16,425	9,000	6,750	108,450
	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	4,925	4,925	4,925	4,925	1,970	985	22,855
	G-list	6,336	6,336	6,336	6,336	1,980	1,485	28,809
	H-list	27,540	27,540	27,540	27,540	8,640	6,480	125,280
	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	4,000	4,000	4,000	4,000	1,000	1,000	18,000
714010 - Driller costs:		1,028,720	451,220	368,720	11,220	773,200	1,085,400	3,718,480
	New Alluvial Wells -	715,000	357,500	357,500	0	0	0	1,430,000
	Alluvial Well Development -	0	0	0	0	0	0	0
	Alluvial Well Abandonment -	0	0	0	0	760,000	760,000	1,520,000
	New U. Charlie Wells -	82,500	82,500	0	0	0	0	165,000
	U. Charlie Well Development -	1,540	1,540	1,540	1,540	0	0	6,160
	U. Charlie Well Abandonment -	0	0	0	0	0	40,700	40,700
	New M. Charlie Wells -	0	0	0	0	0	0	0

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WATER TREATMENT (Cont.) XXXXXX-810-23-5100		2017	2018	2019	2020	2021	2022	Total
714210 - Driller costs (Cont.):								
M. Charlie Well Development -	1,540	1,540	1,540	1,540	0	0	0	6,160
M. Charlie Well Abandonment -	0	0	0	0	0	74,000	74,000	74,000
New L. Charlie Wells -	220,000	0	0	0	0	0	0	220,000
L. Charlie Well Development -	1,540	1,540	1,540	1,540	0	0	0	6,160
L. Charlie Well Abandonment -	0	0	0	0	0	25,900	25,900	25,900
San Andres Well Rehab/Replacement -	0	0	0	0	0	0	0	0
San Andres Well Abandonment -	0	0	0	0	0	165,000	165,000	165,000
Drilling Mobilization/Demobilization -	6,600	6,600	6,600	6,600	13,200	19,800	19,800	59,400
Subtotal		1,122,668	545,168	462,668	96,168	805,270	1,105,888	4,137,830
Groundwater Collection								
714290 - Outside Services:		33,000	23,000	23,000	23,000	0	0	102,000
Cry Electric -	10,000	10,000	10,000	10,000	0	0	0	40,000
Continental Divide -	15,000	5,000	5,000	5,000	0	0	0	30,000
Surveyor -	8,000	8,000	8,000	8,000	0	0	0	32,000
Northwest Geophysical -	0	0	0	0	0	0	0	0
711040 - Consulting Services:		30,000	30,000	30,000	30,000	0	0	120,000
Hydrologist/Engineer -	30,000	30,000	30,000	30,000	0	0	0	120,000
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	0	309,540

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WATER TREATMENT (Cont.)		2017	2018	2019	2020	2021	2022	Total
XXXXXX-810-23-S100								
General North Off-Site								
610020 - Utilities:		35,750	35,750	35,750	35,750	0	0	143,000
Electrical Meter 453164800 -		8,250	8,250	8,250	8,250	0	0	33,000
Electrical Meter 153164900 -		8,250	8,250	8,250	8,250	0	0	33,000
Electrical Meter 453171200 -		3,300	3,300	3,300	3,300	0	0	13,200
Electrical Meter 453079400 -		3,300	3,300	3,300	3,300	0	0	13,200
Electrical Meter 453171500 -		8,800	8,800	8,800	8,800	0	0	35,200
Electrical Meter 453165000 -		3,850	3,850	3,850	3,850	0	0	15,400
General South Off-Site								
610020 - Utilities:		39,050	39,050	39,050	39,050	0	0	156,200
Electrical Meter 453372500 -		9,350	9,350	9,350	9,350	0	0	37,400
Electrical Meter 453370700 -		8,250	8,250	8,250	8,250	0	0	33,000
Electrical Meter 453289200 -		3,300	3,300	3,300	3,300	0	0	13,200
Electrical Meter 453287400 -		11,000	11,000	11,000	11,000	0	0	44,000
Electrical Meter 453287600 -		3,850	3,850	3,850	3,850	0	0	15,400
Electrical Meter 453777777 -		3,300	3,300	3,300	3,300	0	0	13,200
New Collection Wells - 7212 Part-4								
711020 - Parts and Supplies:		52,600	52,600	26,240	26,240	0	0	157,680
Collection Wellhead Materials -		30,000	30,000	15,000	15,000	0	0	90,000
Piping and Fittings -		5,000	5,000	2,500	2,500	0	0	15,000
Valves -		2,000	2,000	1,000	1,000	0	0	6,000
Meters -		600	600	240	240	0	0	1,680
Electrical System Parts -		15,000	15,000	7,500	7,500	0	0	45,000
712010 - Pumps:		16,500	16,500	8,250	8,250	0	0	49,500
Submersible Pumps -		16,500	16,500	8,250	8,250	0	0	49,500
Ed-Lines								
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
610020 - Utilities:		330	330	330	330	0	0	1,320
Electrical Meter 453183000 -		330	330	330	330	0	0	1,320
Ed-Lines								
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
Ed-Lines								
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

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WATER TREATMENT (Cont.)		2017	2018	2019	2020	2021	2022	Total
XXXXXX-810-23-5100								
712010 - Pumps:		2,100	2,100	0	0	0	0	4,200
Submersible Pumps -		2,100	2,100	0	0	0	0	4,200
<u>S-Line</u>								
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:		1,650	1,650	0	0	0	0	3,300
Electrical Meter 453088300 -		1,650	1,650	0	0	0	0	3,300
<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	330	330	330	1,980
Electrical Meter 433955700 -		330	330	330	330	330	330	1,980
<u>T-Line</u>								
711020 - Parts and Supplies:		4,140	4,140	4,140	4,140	0	0	16,560
Collection Wellhead Materials -		2,000	2,000	2,000	2,000	0	0	8,000
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
Electrical System Parts -		1,000	1,000	1,000	1,000	0	0	4,000
712010 - Pumps:		4,200	4,200	4,200	4,200	0	0	16,800
Submersible Pumps -		4,200	4,200	4,200	4,200	0	0	16,800
<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:		1,320	0	0	0	0	0	1,320
Electrical Meter 453195100 -		1,320	0	0	0	0	0	1,320
<u>S21, S22, and S23</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:		1,320	0	0	0	0	0	1,320
Electrical Meter 453196200 -		1,320	0	0	0	0	0	1,320
Subtotal		315,255	302,615	257,515	257,515	330	330	1,133,560

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WATER TREATMENT (Cont.) XXXXXX-S10-23-S100		2017	2018	2019	2020	2021	2022	Total
Groundwater Injection								
714290 - 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
Dona 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:		29,890	29,890	29,890	29,890	11,418	11,418	142,798
	Electrical Meter 453190200 -	28,890	28,890	28,890	28,890	10,318	10,318	136,198
		1,100	1,100	1,100	1,100	1,100	1,100	6,600
YS-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
ML-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
SL-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 Collection Wells - 2012 Permit								
711020 - Parts and Supplies:		32,100	32,100	15,880	15,880	0	0	96,180
	Injection Wellhead Materials -	24,500	24,500	12,250	12,250	0	0	73,500
	Piping and Fittings -	5,000	5,000	2,500	2,500	0	0	15,000
	Valves -	2,000	2,000	1,000	1,000	0	0	6,000
	Meters -	600	600	240	240	0	0	1,680
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
HL-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

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WATER TREATMENT (Cont.) XXXXXX-810-23-5100		2017	2018	2019	2020	2021	2022	Total
<u>Edina</u>								
711020 - Parts and Supplies:		1,840	1,840	0	0	0	0	3,680
Injection Wellhead Materials -		700	700	0	0	0	0	1,400
Piping and Fittings -		500	500	0	0	0	0	1,000
Valves -		400	400	0	0	0	0	800
Meters -		240	240	0	0	0	0	480
<u>Edina</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>Edina</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>Edina</u>								
711020 - Parts and Supplies:		2,510	2,510	2,510	1,170	0	0	8,700
Injection Wellhead Materials -		1,050	1,050	1,050	350	0	0	3,500
Piping and Fittings -		500	500	500	500	0	0	2,000
Valves -		600	600	600	200	0	0	2,000
Meters -		360	360	360	120	0	0	1,200
<u>Edina</u>								
711020 - Parts and Supplies:		1,840	1,840	1,170	1,170	0	0	6,020
Injection Wellhead Materials -		700	700	350	350	0	0	2,100
Piping and Fittings -		500	500	500	500	0	0	2,000
Valves -		400	400	200	200	0	0	1,200
Meters -		240	240	120	120	0	0	720
<u>Upper Chicks</u>								
711020 - Parts and Supplies:		1,840	1,840	0	0	0	0	3,680
Injection Wellhead Materials -		700	700	0	0	0	0	1,400
Piping and Fittings -		500	500	0	0	0	0	1,000
Valves -		400	400	0	0	0	0	800
Meters -		240	240	0	0	0	0	480
<u>Midvale Chicks</u>								
711020 - Parts and Supplies:		1,840	1,840	0	0	0	0	3,680
Injection Wellhead Materials -		700	700	0	0	0	0	1,400
Piping and Fittings -		500	500	0	0	0	0	1,000
Valves -		400	400	0	0	0	0	800
Meters -		240	240	0	0	0	0	480
Subtotal		108,250	106,250	83,950	82,610	21,868	21,868	422,798
Total		1,544,173	954,033	804,133	436,293	827,468	1,128,086	5,694,187

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WATER TREATMENT (Cont.) XXXXXX-810-23-5100		2017	2018	2019	2020	2021	2022	Total
R.O. Plant Operations								
714230 - Outside Services:		18,000	18,000	18,000	18,000	0	0	72,000
	City Electric -	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
711340 - Consulting Services:		60,000	60,000	60,000	60,000	0	0	240,000
	Hydrologist/Engineer -	10,000	10,000	10,000	10,000	0	0	40,000
	R.O. Engineer -	5,000	5,000	5,000	5,000	0	0	20,000
	Electronics -	45,000	45,000	45,000	45,000	0	0	180,000
610020 - Utilities:		256,572	256,572	256,572	256,572	3,836	3,836	1,033,960
	Electrical Meter 453180503 -	253,836	253,836	253,836	253,836	1,100	1,100	1,017,544
	Natural Gas Meter 0807957 -	2,736	2,736	2,736	2,736	2,736	2,736	16,416
711020 - Parts and Supplies:		1,179,552	1,182,552	1,179,552	1,179,552	0	0	4,721,209
	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	3,000	0	0	0	0	3,000
	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	14,700	0	0	58,800
	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
	Chlorine Acid -	473	473	473	473	0	0	1,891
	Air Diffusers -	2,000	2,000	2,000	2,000	0	0	8,000
	Caustic Soda -	475,200	475,200	475,200	475,200	0	0	1,900,800
	Sulfuric Acid -	300,000	300,000	300,000	300,000	0	0	1,200,000
	Anti-Scaleant -	16,848	16,848	16,848	16,848	0	0	67,392
	Lime (Bulk) -	218,400	218,400	218,400	218,400	0	0	873,600
	Muriatic Acid -	3,178	3,178	3,178	3,178	0	0	12,710
	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 -	2,000	2,000	2,000	2,000	0	0	8,000
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:		5,988	5,988	5,988	5,988	0	0	23,952
	A-1st	0	0	0	0	0	0	0
	B-1st	1,350	1,350	1,350	1,350	0	0	5,400
	C-1st	0	0	0	0	0	0	0
	D-1st	0	0	0	0	0	0	0
	E-1st	0	0	0	0	0	0	0
	F-1st	0	0	0	0	0	0	0
	G-1st	2,772	2,772	2,772	2,772	0	0	11,088
	H-1st	0	0	0	0	0	0	0
	I-1st	0	0	0	0	0	0	0
	J-1st	1,566	1,566	1,566	1,566	0	0	6,264
	KPA Samples	300	300	300	300	0	0	1,200
	Total	1,540,112	1,543,112	1,540,112	1,540,112	3,836	3,836	6,171,121

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WATER TREATMENT (Cont.) XXXXXX-810-23-5100		2017	2018	2019	2020	2021	2022	Total
Expanded R.O. Water Treatment								
714290 - 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:		1,140,679	1,168,679	1,140,679	1,165,679	0	0	4,615,714
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	3,000	0	0	0	0	3,000
Equipment Maintenance/Upgrade -		0	10,000	0	10,000	0	0	20,000
Instruments -		0	15,000	0	15,000	0	0	30,000
Filters -		14,700	14,700	14,700	14,700	0	0	58,800
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 -		475,200	475,200	475,200	475,200	0	0	1,900,800
Sulfuric Acid -		300,000	300,000	300,000	300,000	0	0	1,200,000
Anti-Scalant -		16,848	16,848	16,848	16,848	0	0	67,392
Lime (Bulk) -		218,400	218,400	218,400	218,400	0	0	873,600
Muriatic Acid -		3,178	3,178	3,178	3,178	0	0	12,710
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
711330 - Water Analysis:		4,647	4,647	4,647	4,647	0	0	18,588
A-1st		0	0	0	0	0	0	0
B-1st		900	900	900	900	0	0	3,600
C-1st		0	0	0	0	0	0	0
D-1st		0	0	0	0	0	0	0
E-1st		0	0	0	0	0	0	0
F-1st		0	0	0	0	0	0	0
G-1st		1,881	1,881	1,881	1,881	0	0	7,524
H-1st		0	0	0	0	0	0	0
I-1st		0	0	0	0	0	0	0
J-1st		1,566	1,566	1,566	1,566	0	0	6,264
KPA Samples		300	300	300	300	0	0	1,200
610020 - Utilities:		256,572	256,572	256,572	256,572	3,836	3,836	1,033,960
Electrical Meter -		253,836	253,836	253,836	253,836	1,100	1,100	1,017,544
Natural Gas -		2,736	2,736	2,736	2,736	2,736	2,736	16,416
Total		1,431,898	1,459,898	1,431,898	1,456,898	3,836	3,836	5,788,262

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WATER TREATMENT (Cont.)
XXXXXX-810-23-S100

	2017	2018	2019	2020	2021	2022	Total
ZeoLite Water Treatment							
714090 - Outside Services:	0	0	0	0	0	0	0
City Electric -	0	0	0	0	0	0	0
711040 - Consulting Services:	30,000	30,000	30,000	30,000	0	0	120,000
Water Treatment Specialist -	30,000	30,000	30,000	30,000	0	0	120,000
Engineer -	0	0	0	0	0	0	0
711020 - Parts and Supplies:	1,307,060	1,307,060	1,307,060	1,307,060	0	0	5,228,240
Piping and Fittings -	5,000	5,000	5,000	5,000	0	0	20,000
Valves -	0	0	0	0	0	0	0
Meters -	0	0	0	0	0	0	0
Instruments -	0	0	0	0	0	0	0
Data Control Equipment -	0	0	0	0	0	0	0
Sulfuric Acid -	1,300,860	1,300,860	1,300,860	1,300,860	0	0	5,203,440
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:	22,160	22,160	22,160	22,160	0	0	88,640
A-1st	0	0	0	0	0	0	0
B-1st	9,000	9,000	9,000	9,000	0	0	36,000
C-1st	0	0	0	0	0	0	0
D-1st	0	0	0	0	0	0	0
E-1st	0	0	0	0	0	0	0
F-1st	0	0	0	0	0	0	0
G-1st	5,940	5,940	5,940	5,940	0	0	23,760
H-1st	0	0	0	0	0	0	0
I-1st	0	0	0	0	0	0	0
J-1st	5,220	5,220	5,220	5,220	0	0	20,880
KPA Samples	2,000	2,000	2,000	2,000	0	0	8,000
810020 - Utilities:	5,500	5,500	5,500	5,500	0	0	22,000
Electrical Meter -	5,500	5,500	5,500	5,500	0	0	22,000
Natural Gas	0	0	0	0	0	0	0
Total	1,364,720	1,364,720	1,364,720	1,364,720	0	0	5,458,880

Alternate Remediation Testing

714090 - Outside Services:	0	0	0	0	0	0	0
City Electric -	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

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WATER TREATMENT (Cont.)		2017	2018	2019	2020	2021	2022	Total
XXXXXX-810-23-5100								
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:		27,000	32,000	27,000	32,000	0	0	118,000
	City Electric	2,000	2,000	2,000	2,000	0	0	8,000
	Pump/motor Repair	5,000	10,000	5,000	10,000	0	0	30,000
	Liner Repair	20,000	20,000	20,000	20,000	0	0	80,000
	Electrical Power Repair	0	0	0	0	0	0	0
711040 - Consulting Services:		30,000	10,000	30,000	10,000	10,000	0	90,000
	Hydrologist/Engineer	10,000	10,000	10,000	10,000	10,000	0	50,000
	Odor Control	20,000	0	20,000	0	0	0	40,000
711030 - Water Analysis:		4,468	4,468	4,468	4,468	0	0	17,872
	A-list	0	0	0	0	0	0	0
	B-list	1,350	1,350	1,350	1,350	0	0	5,400
	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	1,182	1,182	1,182	1,182	0	0	4,728
	G-list	0	0	0	0	0	0	0
	H-list	1,836	1,836	1,836	1,836	0	0	7,344
	I-list	0	0	0	0	0	0	0
	J-list	0	0	0	0	0	0	0
	KPA Samples	100	100	100	100	0	0	400
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	361,948	346,948	361,948	346,948	310,480	0	1,728,271
East Collection Pond								
711020 - Parts and Supplies:		23,848	23,848	23,848	23,848	23,848	0	119,240
	Piping and Fittings	2,000	2,000	2,000	2,000	2,000	0	10,000
	Copper Sulfate (East Pond)	14,120	14,120	14,120	14,120	14,120	0	70,600
	Citric Acid (East Pond)	4,728	4,728	4,728	4,728	4,728	0	23,640
	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	23,848	23,848	23,848	23,848	23,848	0	119,240
West Collection Pond								
711020 - Parts and Supplies:		23,848	23,848	23,848	23,848	23,848	0	119,240
	Piping and Fittings	2,000	2,000	2,000	2,000	2,000	0	10,000
	Copper Sulfate (West Pond)	14,120	14,120	14,120	14,120	14,120	0	70,600
	Citric Acid (West Pond)	4,728	4,728	4,728	4,728	4,728	0	23,640
	Sudge 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	23,848	23,848	23,848	23,848	23,848	0	119,240

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WATER TREATMENT (Cont.)		2017	2018	2019	2020	2021	2022	Total
XXXXXXXX-810-23-5100								
No. 1 Evaporation Pond								
711020 - Parts and Supplies:		36,481	36,481	36,481	36,481	36,481	0	182,405
Piping and Fittings	2,000	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	1,280	0	6,400
Valves	1,000	1,000	1,000	1,000	1,000	1,000	0	5,000
Meters	2,000	2,000	2,000	2,000	2,000	2,000	0	10,000
Citric Acid	7,092	7,092	7,092	7,092	7,092	7,092	0	35,460
Copper Sulfate	21,180	21,180	21,180	21,180	21,180	21,180	0	105,900
Nozzle for Turbo-Mist Unit	1,929	1,929	1,929	1,929	1,929	1,929	0	9,645
712010 - Pumps:		12,000	12,000	12,000	12,000	12,000	0	60,000
Turbo-Mist Unit	0	0	0	0	0	0	0	0
Centrifugal Pumps	5,000	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	2,000	0	10,000
Pump and Motor Repair for Turbo-Mist	5,000	5,000	5,000	5,000	5,000	5,000	0	25,000
Subtotal		48,481	48,481	48,481	48,481	48,481	0	242,405
No. 2 & No. 3 Evaporation Ponds								
711020 - Parts and Supplies:		40,832	40,832	40,832	40,832	40,832	0	204,160
Piping and Fittings (Pond 2)	2,000	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	1,280	0	6,400
Valves (Pond 2)	1,000	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	2,000	0	10,000
Citric Acid (Pond 2)	7,092	7,092	7,092	7,092	7,092	7,092	0	35,460
Copper Sulfate (Pond 2)	21,180	21,180	21,180	21,180	21,180	21,180	0	105,900
Piping and Fittings (Pond 3)	2,000	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	1,280	0	6,400
Valves (Pond 3)	1,000	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	2,000	0	10,000
Citric Acid (Pond 3)	0	0	0	0	0	0	0	0
Copper Sulfate (Pond 3)	0	0	0	0	0	0	0	0
712010 - 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	5,000	0	25,000
Centrifugal Pump Parts (Pond 2)	2,000	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	5,000	0	25,000
Centrifugal Pump Parts (Pond 3)	2,000	2,000	2,000	2,000	2,000	2,000	0	10,000
Subtotal		54,832	54,832	54,832	54,832	54,832	0	274,160
Total		512,957	497,957	512,957	497,957	461,489	0	2,483,316
Land Application Area Management and Closure								
714090 - Outside Services:		20,000	20,000	20,000	20,000	0	0	80,000
City Electric	0	0	0	0	0	0	0	0
Continental Divide	0	0	0	0	0	0	0	0
Surveying	0	0	0	0	0	0	0	0
Vegetation and Field Maintenance	20,000	20,000	20,000	20,000	0	0	0	80,000
Pump/motor Repair	0	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	0
Other	0	0	0	0	0	0	0	0
711020 - Parts and Supplies:		9,734	9,734	7,734	7,734	0	0	34,936
Agricultural Equipment Maintenance	5,000	5,000	5,000	5,000	0	0	0	20,000
Agricultural Equipment Fuel	484	484	484	484	0	0	0	1,936
Lubricants	250	250	250	250	0	0	0	1,000
Permanent Vegetation Seed	2,000	2,000	0	0	0	0	0	4,000
Cereal Grains	0	0	0	0	0	0	0	0
Fertilizer	0	0	0	0	0	0	0	0
Fencing	2,000	2,000	2,000	2,000	0	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:		4,549	4,549	4,549	4,549	0	0	18,194
A-list	0	0	0	0	0	0	0	0
B-list	675	675	675	675	0	0	0	2,700
C-list	0	0	0	0	0	0	0	0

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WATER TREATMENT (Cont.)								
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711030 - Water Analysis (Cont.):								
D-list	0	0	0	0	0	0	0	0
E-list	0	0	0	0	0	0	0	0
F-list	591	591	591	591	0	0	0	2,364
G-list	396	396	396	396	0	0	0	1,584
H-list	1,080	1,080	1,080	1,080	0	0	0	4,320
I-list	563	563	563	563	0	0	0	2,250
J-list	1,044	1,044	1,044	1,044	0	0	0	4,176
KPA Samples	200	200	200	200	0	0	0	800
Subtotal		46,013	46,013	44,013	44,013	0	0	180,050
Section 34 Land Application Area								
Section 34 Land Application Closure								
714090 - Outside Services:	0	40,000	0	0	0	0	0	40,000
Irrigation Systems and Equipment Removal -	0	20,000	0	0	0	0	0	20,000
Soil Grading and Stabilization	0	10,000	0	0	0	0	0	10,000
Equipment Disposal -	0	10,000	0	0	0	0	0	10,000

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WATER TREATMENT (Cont.) XXXXXX-810-23-5100							
	2017	2018	2019	2020	2021	2022	Total
Section 28 Land Application Area							
Section 28 Land Application Closure							
714090 - Outside Services	0	160,000	0	0	0	0	160,000
Irrigation Systems and Equipment Removal	0	100,000	0	0	0	0	100,000
Soil Grading and Stabilization	0	10,000	0	0	0	0	10,000
Equipment Disposal	0	50,000	0	0	0	0	50,000
Section 33 Land Application Area							
Section 33 Land Application Closure							
714090 - Outside Services	0	160,000	0	0	0	0	160,000
Irrigation Systems and Equipment Removal	0	100,000	0	0	0	0	100,000
Soil Grading and Stabilization	0	10,000	0	0	0	0	10,000
Equipment Disposal	0	50,000	0	0	0	0	50,000
Subtotal	0	360,000	0	0	0	0	360,000
Total	46,013	406,013	44,013	44,013	0	0	540,050
Total Water Treatment	6,767,396	6,511,256	6,414,836	5,600,056	1,542,192	1,396,891	28,232,627

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MONITORING/REGULATORY XXXXXX-810-23-5200		2017	2018	2019	2020	2021	2022	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:		70,000	110,000	90,000	90,000	120,000	90,000	570,000
	Annual Report:	20,000	20,000	20,000	20,000	20,000	20,000	120,000
	CAP:	0	0	0	0	0	0	0
	ACL:	0	0	0	0	0	0	0
	Numerical Modeling:	0	0	0	0	0	0	0
	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:	0	20,000	20,000	20,000	20,000	20,000	100,000
	DP Renewal:	0	20,000	0	0	0	0	20,000
	EPA Oversight:	20,000	20,000	20,000	20,000	50,000	20,000	150,000
Total		225,000	265,000	245,000	245,000	275,000	245,000	1,500,000
--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:		6,000	6,000	6,000	6,000	6,000	6,000	36,000
711020 - Parts and Supplies:		13,881	13,881	13,881	13,881	13,881	13,881	83,286
	Bioassay Sample Bottles:	59	59	59	59	59	59	354
	High Vol Filters:	347	347	347	347	347	347	2,082
	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
	TLD Badges:	2,855	2,855	2,855	2,855	2,855	2,855	17,130
	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:		26,728	26,728	26,728	26,728	26,728	26,728	160,368
	Bioassay Samples:	5,000	5,000	5,000	5,000	5,000	5,000	30,000
	High Vol Samples:	8,000	8,000	8,000	8,000	8,000	8,000	48,000
	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		53,701	53,701	53,701	53,701	53,701	53,701	322,206

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

	2017	2018	2019	2020	2021	2022	Total
<hr/>							
--Settlement Monument Monitoring--							
<hr/>							
714090 - Outside Services:	5,000	5,000	5,000	5,000	5,000	5,000	30,000
Surveying -	5,000	5,000	5,000	5,000	5,000	5,000	30,000
Report Development -	0	0	0	0	0	0	0
Total	5,000	5,000	5,000	5,000	5,000	5,000	30,000
Total Monitoring/Regulatory	300,041	340,041	320,041	320,041	350,041	320,041	1,950,246

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HOLDING XXXXXX-811-23-5300		2017	2018	2019	2020	2021	2022	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		2017	2018	2019	2020	2021	2022	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		2017	2018	2019	2020	2021	2022	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

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GENERAL AND ADMIN XXXXXX-811-23-5500		2017	2018	2019	2020	2021	2022	Total
Salaries and Benefits								
600000 - Salaries - General: Site Manager		122,533	122,533	122,533	122,533	122,533	122,533	735,200
600040 - Benefits - Site Manager		50,239	50,239	50,239	50,239	50,239	50,239	301,432
600000 - Salaries - General: Engineering		206,743	206,743	206,743	206,743	206,743	206,743	1,240,457
600040 - Benefits - Engineering		84,765	84,765	84,765	84,765	84,765	84,765	508,587
600000 - Salaries - General: Financial		0	0	0	0	0	0	0
600040 - Benefits - Financial		0	0	0	0	0	0	0
600000 - General Salaries - Community Relations		78,609	78,609	78,609	78,609	78,609	78,609	471,656
600040 - Benefits - Community Relations		32,230	32,230	32,230	32,230	32,230	32,230	193,379
600001 - Salaries - Groundwater: Senior Tech.		176,484	176,484	176,484	176,484	176,484	176,484	1,058,904
600040 - Benefits - Senior Tech.		72,358	72,358	72,358	72,358	72,358	72,358	434,151
600001 - Salaries - Groundwater: Technician		150,764	150,764	150,764	100,509	50,255	50,255	653,310
600040 - Benefits - Technician		61,813	61,813	61,813	41,209	20,604	20,604	267,857
600050 - Temporary Labor		16,500	16,500	16,500	16,500	39,600	39,600	145,200
601040 - 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		1,079,438	1,079,438	1,079,438	1,008,579	960,820	960,820	6,168,533
General Office Costs								
622000 - Stationery & 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
Total		16,500	16,500	16,500	16,500	16,500	16,500	99,000
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

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GENERAL AND ADMIN. (Cont.) XXXXXX-811-23-5500							
	2017	2018	2019	2020	2021	2022	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 - Taxi	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	35,000	35,000	35,000	35,000	35,000	35,000	210,000
Workers Comp Admin	0	0	0	0	0	0	0
IT Consulting Services	30,000	30,000	30,000	30,000	30,000	30,000	180,000
Misc (Grants Clinic)	5,000	5,000	5,000	5,000	5,000	5,000	30,000
Total	35,000	35,000	35,000	35,000	35,000	35,000	210,000
Total General Admin	1,261,368	1,261,368	1,261,368	1,190,509	1,142,750	1,142,750	7,260,113
Grand Total	8,428,805	8,212,665	8,096,245	7,210,606	11,345,305	10,281,764	53,575,410
MISCELLANEOUS INCOME XXXXXX-XXX-XX-XXXX							
	2017	2018	2019	2020	2021	2022	Total
Misc. Income							
499000 - Misc. Income:	0	0	0	0	0	0	0
Total Misc. Income	0	0	0	0	0	0	0

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TAILINGS FACILITY CLOSURE / RECLAMATION XXXXXX-810-23-3600		COST ADJUSTMENT PERCENTAGE	2017	2018	2019	2020	2021	2022
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	2017	2018	2019	2020	2021	2022
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						

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WATER TREATMENT		COST						
XXXXXX-810-23-5100		ADJUSTMENT	2017	2018	2019	2020	2021	2022
		PERCENTAGE						
--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					

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WATER TREATMENT (Cont.)		COST					
XXXXXX-810-23-5100		ADJUSTMENT	2017	2018	2019	2020	2021
		PERCENTAGE					2022
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.		
610020 - Utilities:							
	Electrical Meter 453180401	NA			Direct electrical power costs.		
	Electrical Meter 453086900	NA					
Tailings Collection							
714090 - Outside Services:							
	City Electric	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.		

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WATER TREATMENT (Cont.)		COST ADJUSTMENT PERCENTAGE	2017	2018	2019	2020	2021	2022
XXXXXX-810-23-5100								
<u>Toe Drains and Sumps Collection</u>								
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.					
			Payments to electrical contractor.					
711020 • Parts and Supplies:	Sump Collection Materials	NA						
			Parts and supplies from hardware, piping or plumbing supplier.					
			Parts and supplies from hardware, piping or plumbing supplier.					
			Parts and supplies from hardware, piping or plumbing supplier.					
			Parts and supplies from hardware, piping or plumbing supplier.					
			Parts and supplies from electrical equipment supplier.					
712010 • Pumps	Submersible Pumps	NA						
			Parts and supplies from pump, piping or plumbing supplier.					
<u>Tailings Flushing System</u>								
711040 • Consulting Services:	Hydrologist Engineer	NA						
			Payments to consultant for services - no additional profit or costs.					
714090 • Outside Services:	City Electric	NA						
			Payments to electrical contractor.					
			Estimated pump repair costs at pump service firm.					
<u>Injection System</u>								
711020 • Parts and Supplies:	Injection Wellhead Materials	NA						
			Parts and supplies from hardware, piping or plumbing supplier.					
			Parts and supplies from hardware, piping or plumbing supplier.					
			Parts and supplies from hardware, piping or plumbing supplier.					
			Parts and supplies from hardware, piping or plumbing supplier.					
<u>Injection Supply System</u>								
711020 • Parts and Supplies:	Collection Wellhead Materials	NA						
			Parts and supplies from hardware, piping or plumbing supplier.					
			Parts and supplies from hardware, piping or plumbing supplier.					
			Parts and supplies from hardware, piping or plumbing supplier.					
			Parts and supplies from hardware, piping or plumbing supplier.					
			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						
			Direct electrical power costs.					
			Direct electrical power costs.					
			Direct electrical power costs.					
			Direct electrical power costs.					

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WATER TREATMENT (Cont.)		COST						
XXXXXX-810-23-5100		ADJUSTMENT	2017	2018	2019	2020	2021	2022
--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.			
Groundwater Collection								
714090 - Outside Services:								
	City Electric	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.			
General On-Site								
610020 - Utilities:								
	Electrical Meter 453180401	NA			Direct electrical power costs			

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WATER TREATMENT (Cont.)			COST						
XXXXXX-810-23-5100			ADJUSTMENT						
			PERCENTAGE	2017	2018	2019	2020	2021	2022
<u>General North Off-Site</u>									
610020 - Utilities:									
Electrical Meter 453164800 -	NA					Direct electrical power costs			
Electrical Meter 453164900 -	NA					Direct electrical power costs			
Electrical Meter 453171200 -	NA					Direct electrical power costs			
Electrical Meter 453079400 -	NA					Direct electrical power costs			
Electrical Meter 453171500 -	NA					Direct electrical power costs			
Electrical Meter 453165000 -	NA					Direct electrical power costs			
<u>General South Off-Site</u>									
610020 - Utilities:									
Electrical Meter 453372500 -	NA					Direct electrical power costs			
Electrical Meter 453370700 -	NA					Direct electrical power costs			
Electrical Meter 453289200 -	NA					Direct electrical power costs			
Electrical Meter 453287400 -	NA					Direct electrical power costs			
Electrical Meter 453287900 -	NA					Direct electrical power costs			
Electrical Meter 453777777 -	NA					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.			

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712010 - Pumps:								
<u>K-Line</u>	Submersible Pumps -	NA	Parts and supplies from pump, piping or plumbing supplier.					
	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:								
<u>B-Line</u>	Electrical Meter 453183000 -	NA	Direct electrical power 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.					
<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:								
<u>P-Line</u>	Electrical Meter 453088300 -	NA	Direct electrical power 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.					

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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.					

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WATER TREATMENT (Cont.)		COST						
XXXXXX-810-23-5100		ADJUSTMENT						
		PERCENTAGE	2017	2018	2019	2020	2021	2022
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						
<u>WR-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>M-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>B-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>New Collection Wells - 2012 Permit</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>K-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>J-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.				

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XXXXXX-810-23-5100		ADJUSTMENT	2017	2018	2019	2020	2021
		PERCENTAGE					2022
<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.			

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WATER TREATMENT (Cont.)		COST					
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		PERCENTAGE					2022
R.O. Plant Operations							
714090 - Outside Services:							
City Electric -	NA						
Pump/motor repair -	NA						
711040 - Consulting Services:							
Hydrologist/Engineer -	NA						
R.O. Engineer -	NA						
Electronics -	NA						
610020 - Utilities:							
Electrical Meter 453180503 -	NA						
Natural Gas Meter 0807957 -	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						
Sand Filter Media -	NA						
Air Diffusers -	NA						
Caustic Soda -	NA						
Sulfuric Acid -	NA						
Anti-Scalant -	NA						
Lime (Bufk) -	NA						
Muriatic Acid -	NA						
Membrane Cleaner -	NA						
Building / Facility -	NA						
Heating / AC -	NA						
Electrical -	NA						
712010 - Pumps:							
Pumps/Starters -	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						

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WATER TREATMENT (Cont.)		COST						
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		PERCENTAGE						
Expanded R.O. Water Treatment								
714090 - Outside Services:								
R.O. System Upgrade Placeholder -	NA		Payments to construction contractor.					
Pump/motor repair -	NA		Estimated pump repair costs at pump service firm.					
Power Supply Upgrade Placeholder -	NA		Estimated power supply upgrade cost by power company.					
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.					
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.					
Citric Acid -	NA		Consumables purchased for operation of R.O.					
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.					
Liquid Citric Acid or Other Cleaner -	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.					
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	NA		Direct natural gas costs					

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WATER TREATMENT (Cont.)		COST						
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Zeolite Water Treatment		PERCENTAGE	2017	2018	2019	2020	2021	2022
714090 - Outside Services:								
	City Electric -	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 S/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					

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WATER TREATMENT (Cont.)		COST					
XXXXXX-810-23-5100		ADJUSTMENT	2017	2018	2019	2020	2021
Alternate Remediation Testing		PERCENTAGE					2022
714090	Outside Services:						
	City Electric	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:						
	City Electric	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		

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WATER TREATMENT (Cont.)		COST					
XXXXXX-810-23-5100		ADJUSTMENT	2017	2018	2019	2020	2021
		PERCENTAGE					2022
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.		

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WATER TREATMENT (Cont.)		COST ADJUSTMENT PERCENTAGE	2017	2018	2019	2020	2021	2022
XXXXXX-810-23-5100								
--Land Application Area Management and Closure--								
714090 - Outside Services:								
City Electric -	NA							
Continental Divide -	NA							
Surveying -	NA							
Vegetation and Field Maintenance -	NA							
Pump/motor Repair -	NA							
711040 - Consulting Services:								
Hydrologist/Engineer -	NA							
Other -	NA							
711020 - Parts and Supplies:								
Agricultural Equipment Maintenance -	NA							
Agricultural Equipment Fuel -	NA							
Lubricants -	NA							
Permanent Vegetation Seed -	NA							
Cereal Grains -	NA							
Fertilizer -	NA							
Fencing -	NA							
718070 - Vegetation Analysis:	NA							
718030 - Soil Analysis:	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							
Section 34 Land Application Area								
Section 34 Land Application Closure								
714090 - Outside Services:								
Irrigation Systems and Equipment Removal -	NA							
Soil Grading and Stabilization	NA							
Equipment Disposal -	NA							

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WATER TREATMENT (Cont.) XXXXXX-810-23-5100	COST ADJUSTMENT PERCENTAGE	2017	2018	2019	2020	2021	2022
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.		

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MONITORING/REGULATORY XXXXXX-810-23-5200		COST ADJUSTMENT PERCENTAGE	2017	2018	2019	2020	2021	2022
--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.		
--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.		

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MONITORING/REGULATORY (Cont.) XXXXXX-810-23-5200		COST ADJUSTMENT PERCENTAGE	2017	2018	2019	2020	2021	2022
--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		COST ADJUSTMENT PERCENTAGE	2017	2018	2019	2020	2021	2022
--Land--								
790060 • Land Purchase:		NA	No planned land purchases or land rental					
790090 • Land Rental:		NA						
790110 • Title Commitment Policy:		NA						
790010 • Appraisal :		NA						
790120 • Land Improvements:								
Fencing :	NA	General property fencing by contract service.						
Water Development :	NA	Installation of water supply by contract service.						
Clean-up :	NA	General property clean-up by contract service.						
623010 • Property Tax:	NA	Property taxes						
790120 • Surveying / Mapping:	NA	Payments to contract surveyor for services - no additional profit or costs.						
SECURITY AND MAINTENANCE XXXXXX-811-23-5400		COST ADJUSTMENT PERCENTAGE	2017	2018	2019	2020	2021	2022
--Land and Structures--								
717030 • Surveillance:		NA	Payments to contract security service - no additional profit or costs.					
SEVERANCE AND RELOCATION XXXXXX-XXX-XX-XXXX		COST ADJUSTMENT PERCENTAGE	2017	2018	2019	2020	2021	2022
--Severance and Relocation--								
XXXXXX • Severance and Relocation:		NA	No severance or relocation costs anticipated					

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GENERAL AND ADMIN. XXXXXX-811-23-5500		COST ADJUSTMENT PERCENTAGE	2017	2018	2019	2020	2021	2022
--Salaries and Benefits--								
					Adjustment Factor			
600000 • General Salaries - Site Manager	10	1.1	1.1	1.1	1.1	1.1	1.1	1.1
600040 • Benefits - Site Manager	10	1.1	1.1	1.1	1.1	1.1	1.1	1.1
600000 • General Salaries - Engineering	10	1.1	1.1	1.1	1.1	1.1	1.1	1.1
600040 • Benefits - Engineering	10	1.1	1.1	1.1	1.1	1.1	1.1	1.1
600000 • General Salaries - Financial	10	1.1	1.1	1.1	1.1	1.1	1.1	1.1
600040 • Benefits - Financial	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
600001 • GW Salaries - Senior Tech.	10	1.1	1.1	1.1	1.1	1.1	1.1	1.1
600040 • Benefits - Senior Tech	10	1.1	1.1	1.1	1.1	1.1	1.1	1.1
600001 • GW Salaries - Technicians	10	1.1	1.1	1.1	1.1	1.1	1.1	1.1
600040 • Benefits - Technicians	10	1.1	1.1	1.1	1.1	1.1	1.1	1.1
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							
--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

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GENERAL AND ADMIN. (Cont.) XXXXXX-811-23-5500		COST ADJUSTMENT PERCENTAGE	2017	2018	2019	2020	2021	2022
--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	2017	2018	2019	2020	2021	2022
--Misc. Income--								
499000 - Misc. Income:	NA	No income anticipated						

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

	UNIT COST						
		2017	2018	2019	2020	2021	2022
711040 - Consulting:							
Large Tailings Pile Closure -	440,713.31	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. Review of Physical Reclamation	533,810.73	0	0	0	0	0.33	1.33
	30,000.00	0	0	0	0	0	0
714090 - Outside Services:							
Large Tailings Pile Closure -	6,086,146.47	0	0	0	0	1	0
Current Reclamation Repairs	25,000.00	2	2	2	2	30	0
Pond Closure-	1,129,034.48	0	0	0	0	0.67	2.33
Small Tailings Pile Closure -	3,451,124.21	0	0	0	0	0	1
R.O. Plant Demolition -	189,715.34	0	0	0	0	0	2
Radiological Survey and Environmental Monitoring -	50,851.54	0	0	0	0	1	0

ON-SITE DEMOLITION
XXXXXX-810-23-3300

	UNIT COST						
		2017	2018	2019	2020	2021	2022
711040 - Consulting:							
Engineering Design / QAQC -	37,291.13	0	0	0	0	0	1
714090 - Outside Services:							
Demolition / Cleanup -	163,637.63	0	0	0	0	0	1

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WATER TREATMENT XXXXXX-810-23-5100		UNIT COST	2017	2018	2019	2020	2021	2022
--General--								
717050 - Fuel:								
	Diesel -	2.42	2570	2570	2570	2570	2570	2570
	Gas -	2.28	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 -	13,068.00	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	7	7	6	6	5	5
	Truck Leasing -	12,000.00	5	5	4	4	3	3
	Admin. Vehicle Leasing -	12,000.00	2	2	2	2	2	2
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	40	40	0	0	0	0
	C-list	72.00	0	0	0	0	0	0

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WATER TREATMENT (Cont.) XXXXXX-810-23-5100		UNIT COST	2017	2018	2019	2020	2021	2022
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	30	30	10	10	10	0
	I-list	112.50	0	0	0	0	0	0
	J-list	130.50	0	0	0	0	0	0
	KPA Samples	10.00	20	20	20	20	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 -	1,320.00	0	0	250	0	0	0
	2" Tailings Well Abandonment -	242.00	0	0	270	0	0	0
	Perched Alluvial Well Abandonment -	1,100.00	0	0	56	0	0	0
	U. Chinle Well Development -	1,540.00	0	0	0	0	0	0
	U. Chinle Well Abandonment -	1,850.00	0	0	0	0	0	9
610020 - Utilities:								
	Electrical Meter 453180401 -	0.1100	0	0	0	0	0	0
	Electrical Meter 453086900 -	0.1100	0	0	0	0	0	0
Tailings Collection								
714090 - Outside Services:								
	City Electric -	2,000.00	0	0	0	0	0	0
	Northwest Geophysical -	7,000.00	1	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	2	0	0	0	0	0
711020 - Parts and Supplies:								
	Collection Wellhead Materials -	500.00	0	0	0	0	0	0
	Piping and Fittings -	1,000.00	0	0	0	0	0	0
	Valves -	200.00	0	0	0	0	0	0
	Meters -	500.00	0	0	0	0	0	0
	Electrical System Parts -	500.00	0	0	0	0	0	0
712010 - Pumps:								
	Submersible Pumps -	550.00	0	0	0	0	0	0

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WATER TREATMENT (Cont.) XXXXXX-810-23-5100		UNIT COST	2017	2018	2019	2020	2021	2022
Toe Drains and Sumps Collection								
711040 - Consulting Services:								
Hydrologist/Engineer -	5,000.00	1	0	0	0	0	0	0
714090 - Outside Services:								
Pump/motor repair -	1,000.00	0	0	0	0	0	0	0
City Electric -	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:								
City Electric -	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

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WATER TREATMENT (Cont.) XXXXXXX-810-23-5100		UNIT COST	2017	2018	2019	2020	2021	2022
--Groundwater Management--								
711030 - Water Analysis:								
	A-list	90.00	5	5	5	5	4	4
	B-list	225.00	113	113	113	73	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	25	25	25	25	10	5
	G-list	99.00	64	64	64	64	20	15
	H-list	108.00	255	255	255	255	80	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	10.00	400	400	400	400	100	100
714010 - Driller costs:								
	New Alluvial Wells -	7,150.00	100	50	50	0	0	0
	Alluvial Well Development -	1,540.00	0	0	0	0	0	0
	Alluvial Well Abandonment -	1,520.00	0	0	0	0	500	500
	New U. Chinle Wells -	8,250.00	10	10	0	0	0	0
	U. Chinle Well Development -	1,540.00	1	1	1	1	0	0
	U. Chinle Well Abandonment -	1,850.00	0	0	0	0	0	22
	New M. Chinle Wells -	11,000.00	0	0	0	0	0	0
	M. Chinle Well Development -	1,540.00	1	1	1	1	0	0
	M. Chinle Well Abandonment -	1,850.00	0	0	0	0	0	40
	New L. Chinle Wells -	11,000.00	20	0	0	0	0	0
	L. Chinle Well Development -	1,540.00	1	1	1	1	0	0
	L. Chinle Well Abandonment -	1,850.00	0	0	0	0	0	14
	San Andres Well Rehab/Replacement -	44,000.00	0	0	0	0	0	0
	San Andres Well Abandonment -	27,500.00	0	0	0	0	0	6
	Drilling Mobilization/Demobilization -	6,600.00	1	1	1	1	2	3
Groundwater Collection								
714090 - Outside Services:								
	City Electric -	10,000.00	1	1	1	1	0	0
	Continental Divide -	5,000.00	3	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	1	1	1	1	0	0
General On-Site								
610020 - Utilities:								
	Electrical Meter 453180401 -	0.1100	70,3500	70,3500	70,3500	70,3500	0	0

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WATER TREATMENT (Cont.) XXXXXX-810-23-5100		UNIT COST	2017	2018	2019	2020	2021	2022
<u>General North Off-Site</u>								
610020 - Utilities:								
Electrical Meter 453164800 -	0.1100	75000	75000	75000	75000	0	0	
Electrical Meter 453164900 -	0.1100	75000	75000	75000	75000	0	0	
Electrical Meter 453171200 -	0.1100	30000	30000	30000	30000	0	0	
Electrical Meter 453079400 -	0.1100	30000	30000	30000	30000	0	0	
Electrical Meter 453171500 -	0.1100	80000	80000	80000	80000	0	0	
Electrical Meter 453165000 -	0.1100	35000	35000	35000	35000	0	0	
<u>General South Off-Site</u>								
610020 - Utilities:								
Electrical Meter 453372500 -	0.1100	85000	85000	85000	85000	0	0	
Electrical Meter 453370700 -	0.1100	75000	75000	75000	75000	0	0	
Electrical Meter 453289200 -	0.1100	30000	30000	30000	30000	0	0	
Electrical Meter 453287400 -	0.1100	100000	100000	100000	100000	0	0	
Electrical Meter 453287900 -	0.1100	35000	35000	35000	35000	0	0	
Electrical Meter 453?????? -	0.1100	30000	30000	30000	30000	0	0	
<u>New Collection Wells - 2012 Permit</u>								
711020 - Parts and Supplies:								
Collection Wellhead Materials -	1,000.00	30	30	15	15	0	0	
Piping and Fittings -	500.00	10	10	5	5	0	0	
Valves -	200.00	10	10	5	5	0	0	
Meters -	120.00	5	5	2	2	0	0	
Electrical System Parts -	500.00	30	30	15	15	0	0	

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WATER TREATMENT (Cont.) XXXXXX-810-23-5100		UNIT COST	2017	2018	2019	2020	2021	2022
712010 - Pumps:								
	Submersible Pumps -	550.00	30	30	15	15	0	0
K-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
610020 - Utilities:								
	Electrical Meter 453183000 -	0.1100	3000	3000	3000	3000	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	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
S-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 453088300 -	0.1100	15000	15000	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

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WATER TREATMENT (Cont.) XXXXXX-810-23-5100		UNIT COST	2017	2018	2019	2020	2021	2022
712010 - Pumps:								
	Submersible Pumps -	2,100.00	0	0	0	0	0	0
610020 - Utilities:								
	Electrical Meter 433985700 -	0.1100	3000	3000	3000	3000	3000	3000
<u>T-Line</u>								
711020 - Parts and Supplies:								
	Collection Wellhead Materials -	1,000.00	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
	Electrical System Parts -	500.00	2	2	2	2	0	0
712010 - Pumps:								
	Submersible Pumps -	2,100.00	2	2	2	2	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	12000	0	0	0	0	0
<u>521, 522, and 639</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 453196200 -	0.1100	12000	0	0	0	0	0
<u>Groundwater Injection</u>								
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

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WATER TREATMENT (Cont.) XXXXXX-810-23-5100		UNIT COST	2017	2018	2019	2020	2021	2022
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	70	70	35	35	0	0
	Piping and Fittings -	500.00	10	10	5	5	0	0
	Valves -	200.00	10	10	5	5	0	0
	Meters -	120.00	5	5	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

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WATER TREATMENT (Cont.) XXXXXX-810-23-5100		UNIT COST	2017	2018	2019	2020	2021	2022
<u>X-Line</u>								
711020 - Parts and Supplies:								
Injection Wellhead Materials -	350.00	2	2	0	0	0	0	0
Piping and Fittings -	500.00	1	1	0	0	0	0	0
Valves -	200.00	2	2	0	0	0	0	0
Meters -	120.00	2	2	0	0	0	0	0
<u>G-Line</u>								
711020 - Parts and Supplies:								
Injection Wellhead Materials -	350.00	0	0	0	0	0	0	0
Piping and Fittings -	500.00	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>D-Line</u>								
711020 - Parts and Supplies:								
Injection Wellhead Materials -	350.00	2	2	2	2	0	0	0
Piping and Fittings -	500.00	1	1	1	1	0	0	0
Valves -	200.00	2	2	2	2	0	0	0
Meters -	120.00	2	2	2	2	0	0	0
<u>T-Line</u>								
711020 - Parts and Supplies:								
Injection Wellhead Materials -	350.00	3	3	3	1	0	0	0
Piping and Fittings -	500.00	1	1	1	1	0	0	0
Valves -	200.00	3	3	3	1	0	0	0
Meters -	120.00	3	3	3	1	0	0	0
<u>S-Line</u>								
711020 - Parts and Supplies:								
Injection Wellhead Materials -	350.00	2	2	1	1	0	0	0
Piping and Fittings -	500.00	1	1	1	1	0	0	0
Valves -	200.00	2	2	1	1	0	0	0
Meters -	120.00	2	2	1	1	0	0	0
<u>Upper Chinle</u>								
711020 - Parts and Supplies:								
Injection Wellhead Materials -	350.00	2	2	0	0	0	0	0
Piping and Fittings -	500.00	1	1	0	0	0	0	0
Valves -	200.00	2	2	0	0	0	0	0
Meters -	120.00	2	2	0	0	0	0	0
<u>Middle Chinle</u>								
711020 - Parts and Supplies:								
Injection Wellhead Materials -	350.00	2	2	0	0	0	0	0
Piping and Fittings -	500.00	1	1	0	0	0	0	0
Valves -	200.00	2	2	0	0	0	0	0
Meters -	120.00	2	2	0	0	0	0	0

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WATER TREATMENT (Cont.) XXXXXX-810-23-5100		UNIT COST	2017	2018	2019	2020	2021	2022
R.O. Plant Operations								
714090 - Outside Services:								
	City Electric -	8,000.00	1	1	1	1	0	0
	Pump/motor repair -	10,000.00	1	1	1	1	0	0
711040 - Consulting Services:								
	Hydrologist/Engineer -	10,000.00	1	1	1	1	0	0
	R.O. Engineer -	5,000.00	1	1	1	1	0	0
	Electronics -	15,000.00	3	3	3	3	0	0
610020 - Utilities:								
	Electrical Meter 453180503 -	0.1100	2307600	2307600	2307600	2307600	10000	10000
	Natural Gas Meter 0807957 -	0.4800	5700	5700	5700	5700	5700	5700
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	1	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	1,400.00	1,400.00	1,400.00	1,400.00	0	0
	Membranes (LPRO) -	542.00	144.00	144.00	144.00	144.00	0	0
	Membranes (HPRO) -	595.00	42.00	42.00	42.00	42.00	0	0
	Citric Acid -	2.36	200	200	200	200	0	0
	Air Diffusers -	2,000.00	1	1	1	1	0	0
	Caustic Soda -	0.40	1,200,000	1,200,000	1,200,000	1,200,000	0	0
	Sulfuric Acid -	0.30	1,000,000	1,000,000	1,000,000	1,000,000	0	0
	Anti- Scalant -	1,053.00	16.00	16.00	16.00	16.00	0	0
	Lime (Bulk) -	0.18	1,200,000	1,200,000	1,200,000	1,200,000	0	0
	Muriatic Acid -	10.25	310.00	310.00	310.00	310.00	0	0
	Membrane Cleaner -	1,429.00	4.00	4.00	4.00	4.00	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
712010 - Pumps:								
	Pumps/Starters -	20,000.00	1	1	1	1	0	0
711030 - Water Analysis:								
	A-list	90.00	0	0	0	0	0	0
	B-list	225.00	6	6	6	6	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	0	0	0	0	0	0
	G-list	99.00	28	28	28	28	0	0
	H-list	108.00	0	0	0	0	0	0
	I-list	112.50	0	0	0	0	0	0
	J-list	130.50	12	12	12	12	0	0
	KPA Samples	10.00	30	30	30	30	0	0

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WATER TREATMENT (Cont.) XXXXXX-810-23-5100		UNIT COST	2017	2018	2019	2020	2021	2022
Expanded R.O. Water Treatment								
714090 - Outside Services:								
R.O. System Upgrade Placeholder -	500,000.00	0	0	0	0	0	0	0
Pump/motor repair -	5,000.00	1	1	1	1	0	0	0
Power Supply Upgrade Placeholder -	75,000.00	0	0	0	0	0	0	0
711040 - Consulting Services:								
Hydrologist/Engineer -	5,000.00	1	1	1	1	0	0	0
R.O. Engineer -	5,000.00	1	1	1	1	0	0	0
Electronics -	15,000.00	1	1	1	1	0	0	0
711020 - Parts and Supplies:								
Piping and Fittings -	1,000.00	1	1	1	1	0	0	0
Valves -	4,000.00	1	1	1	1	0	0	0
Meters -	4,000.00	1	1	1	1	0	0	0
Computer -	3,000.00	0	1	0	0	0	0	0
Equipment Maintenance/Upgrade -	10,000.00	0	1	0	1	0	0	0
Instruments -	15,000.00	0	1	0	1	0	0	0
Filters -	10.50	1,400.00	1,400.00	1,400.00	1,400.00	0	0	0
Membranes (LPRO) -	542.00	93.00	93.00	93.00	93.00	0	0	0
Membranes (HPRO) -	595.00	28.00	28.00	28.00	28.00	0	0	0
Citric Acid -	2.36	0	0	0	0	0	0	0
Air Diffusers -	2,000.00	1	1	1	1	0	0	0
Caustic Soda -	0.40	1,200,000	1,200,000	1,200,000	1,200,000	0	0	0
Sulfuric Acid -	0.30	1,000,000	1,000,000	1,000,000	1,000,000	0	0	0
Anti-Scalant -	1,053.00	16	16	16	16	0	0	0
Lime (Bulk) -	0.18	1,200,000	1,200,000	1,200,000	1,200,000	0	0	0
Muriatic Acid -	10.25	310	310	310	310	0	0	0
Liquid Citric Acid or Other Cleaner -	2,000.00	12	12	12	12	0	0	0
Membrane Cleaner -	1,429.00	3	3	3	3	0	0	0
Building / Facility -	2,000.00	1	1	1	1	0	0	0
Heating / AC -	2,000.00	1	1	1	1	0	0	0
Electrical -	2,000.00	1	1	1	1	0	0	0
711030 - Water Analysis:								
A-list	90.00	0	0	0	0	0	0	0
B-list	225.00	4	4	4	4	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	19	19	19	19	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	12	12	12	12	0	0	0
KPA Samples	10.00	30	30	30	30	0	0	0
610020 - Utilities:								
Electrical Meter	0.1100	2307600	2307600	2307600	2307600	10000	10000	10000
Natural Gas Meter -	0.4800	5700	5700	5700	5700	5700	5700	5700

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WATER TREATMENT (Cont.) XXXXXX-810-23-5100		UNIT COST	2017	2018	2019	2020	2021	2022
Zeolite Water Treatment								
714090 - Outside Services:								
	City Electric -	1,000.00	0	0	0	0	0	0
711040 - Consulting Services:								
	Water Treatment Consultant	10,000.00	3	3	3	3	0	0
	Hydrology Consultant -	10,000.00	0	0	0	0	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 -	50.00	0	0	0	0	0	0
	Instruments -	1,000.00	0	0	0	0	0	0
	Data Control Equipment -	12,000.00	0	0	0	0	0	0
	Sulfuric Acid -	0.30	4336200	4336200	4336200	4336200	0	0
	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	40	40	40	40	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	0	0	0	0	0	0
	G-list	99.00	60	60	60	60	0	0
	H-list	108.00	0	0	0	0	0	0
	I-list	112.50	0	0	0	0	0	0
	J-list	130.50	40	40	40	40	0	0
	KPA Samples	10.00	200	200	200	200	0	0
610020 - Utilities:								
	Electrical Meter	0.1100	50000	50000	50000	50000	0	0
	Natural Gas Meter -	0.4800	0	0	0	0	0	0

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WATER TREATMENT (Cont.) XXXXXX-810-23-5100		UNIT COST	2017	2018	2019	2020	2021	2022
Alternate Remediation Testing								
714090 - Outside Services:								
City Electric -	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
Hydrology Consultant -	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 -	50.00	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	10.00	0	0	0	0	0	0	0
--Evaporation System Management--								
714090 - Outside Services:								
City Electric -	2,000.00	1	1	1	1	0	0	0
Pump/motor Repair -	5,000.00	1	2	1	2	0	0	0
Liner Repair -	20,000.00	1	1	1	1	0	0	0
Electrical Power Repair	175,000.00	0	0	0	0	0	0	0
711040 - Consulting Services:								
Hydrologist/Engineer -	10,000.00	1	1	1	1	1	0	0
Odor Control -	20,000.00	1	0	1	0	0	0	0
711030 - Water Analysis:								
A-list	90.00	0	0	0	0	0	0	0
B-list	225.00	6	6	6	6	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	6	6	6	6	0	0	0
G-list	99.00	0	0	0	0	0	0	0
H-list	108.00	17	17	17	17	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	10.00	10	10	10	10	0	0	0

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WATER TREATMENT (Cont.) XXXXXX-810-23-5100		UNIT COST	2017	2018	2019	2020	2021	2022
610020 - Utilities:								
Electrical Meter 453180401 -	0.1100	2731634.2	2731634.2	2731634.2	2731634.2	2731634.2	0	
East Collection Pond								
711020 - Parts and Supplies:								
Piping and Fittings -	2,000.00	1	1	1	1	1	0	
Copper Sulfate -	3.53	4000	4000	4000	4000	4000	0	
Citric Acid -	2.36	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 -	3.53	4000	4000	4000	4000	4000	0	
Citric Acid -	2.36	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 -	2.36	3000	3000	3000	3000	3000	0	
Copper Sulfate -	3.53	6000	6000	6000	6000	6000	0	
Nozzle for Turbo-Mist Unit -	32.15	60	60	60	60	60	0	
712010 - Pumps:								
Turbo-Mist Unit -	50,000.00	0	0	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) -	2.36	3000	3000	3000	3000	3000	0	
Copper Sulfate (Pond 2)-	3.53	6000	6000	6000	6000	6000	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) -	2.36	0	0	0	0	0	0	
Copper Sulfate (Pond 3)-	3.53	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
2017 Through Completion

WATER TREATMENT (Cont.) XXXXXX-810-23-5100		UNIT COST	2017	2018	2019	2020	2021	2022
--Land Application Area Management and Closure--								
714090 - Outside Services:								
City Electric -	2,000.00	0	0	0	0	0	0	0
Continental Divide -	5,000.00	0	0	0	0	0	0	0
Surveying -	2,000.00	0	0	0	0	0	0	0
Vegetation and Field Maintenance -	5,000.00	4	4	4	4	0	0	0
Pump/motor Repair -	2,000.00	0	0	0	0	0	0	0
711040 - Consulting Services:								
Hydrologist/Engineer -	15,000.00	0	0	0	0	0	0	0
Other -	5,000.00	0	0	0	0	0	0	0
711020 - Parts and Supplies:								
Agricultural Equipment Maintenance -	5,000.00	1	1	1	1	0	0	0
Agricultural Equipment Fuel -	2.42	200	200	200	200	0	0	0
Lubricants -	250.00	1	1	1	1	0	0	0
Permanent Vegetation Seed -	2,000.00	1	1	0	0	0	0	0
Cereal Grains -	0.90	0	0	0	0	0	0	0
Fertilizer -	0.15	0	0	0	0	0	0	0
Fencing -	2,000.00	1	1	1	1	0	0	0
718070 - Vegetation Analysis:	70.50	10	10	10	10	0	0	0
718030 - Soil Analysis:	367.50	30	30	30	30	0	0	0
711030 - Water Analysis:								
A-list	90.00	0	0	0	0	0	0	0
B-list	225.00	3	3	3	3	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	3	3	3	3	0	0	0
G-list	99.00	4	4	4	4	0	0	0
H-list	108.00	10	10	10	10	0	0	0
I-list	112.50	5	5	5	5	0	0	0
J-List	130.50	8	8	8	8	0	0	0
KPA Samples	10.00	20	20	20	20	0	0	0
Section 34 Land Application Area								
Section 34 Land Application Closure								
714090 - Outside Services:								
Irrigation Systems and Equipment Removal -	10,000.00	0	2	0	0	0	0	0
Soil Grading and Stabilization	10,000.00	0	1	0	0	0	0	0
Equipment Disposal -	10,000.00	0	1	0	0	0	0	0

GRANTS PROJECT
 Closure Cost Estimate
 Unit Costs/Quantities
 2017 Through Completion

WATER TREATMENT (Cont.) XXXXXX-810-23-5100		UNIT COST	2017	2018	2019	2020	2021	2022
Section 28 Land Application Area								
Section 28 Land Application Closure								
714090 - Outside Services:								
Center Pivot and Equipment Removal -	10,000.00	0	10	0	0	0	0	0
Soil Grading and Stabilization -	10,000.00	0	1	0	0	0	0	0
Equipment Disposal -	10,000.00	0	5	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	10	0	0	0	0	0
Soil Grading and Stabilization -	10,000.00	0	1	0	0	0	0	0
Equipment Disposal -	10,000.00	0	5	0	0	0	0	0

GRANTS PROJECT
Closure Cost Estimate
Unit Costs/Quantities
2017 Through Completion

MONITORING/REGULATORY XXXXXX-810-23-5200		UNIT COST	2017	2018	2019	2020	2021	2022
--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	1	1	1	1	1	1	1
CAP-	20,000.00	0	0	0	0	0	0	0
ACL-	20,000.00	0	0	0	0	0	0	0
Numerical Modeling-	40,000.00	0	0	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	0	1	1	1	1	1	1
DP Renewal -	20,000.00	0	1	0	0	0	0	0
EPA Oversight -	20,000.00	1	1	1	1	2.5	1	1
--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	3	3	3	3	3	3	3
711020 - Parts and Supplies:								
Bioassay Sample Bottles -	0 59	100	100	100	100	100	100	100
High Vol Filters -	347 00	1	1	1	1	1	1	1
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 -	28 55	100	100	100	100	100	100	100
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 -	50 00	100	100	100	100	100	100	100
High Vol Samples -	250 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
2017 Through Completion

MONITORING/REGULATORY (Cont.) XXXXXX-810-23-5200		UNIT COST	2017	2018	2019	2020	2021	2022
--Settlement Monument Monitoring--								
714090 - Outside Services:								
	Surveying -	5,000.00	1	1	1	1	1	1
	Report Development -	2,000.00	0	0	0	0	0	0

HOLDING XXXXXX-811-23-5300		UNIT COST	2017	2018	2019	2020	2021	2022
--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		UNIT COST	2017	2018	2019	2020	2021	2022
--Land and Structures--								
717030 - Surveillance:		4,000.00	1	1	1	1	1	1

SEVERANCE AND RELOCATION XXXXXX-XXX-XX-XXXX		UNIT COST	2017	2018	2019	2020	2021	2022
--Severance and Relocation--								
xxxxxx - Severance and Relocation:		0.00	0	0	1	0	1	8

GRANTS PROJECT
Closure Cost Estimate
Unit Costs/Quantities
2017 Through Completion

GENERAL AND ADMIN. XXXXXX-811-23-5500		UNIT COST	2017	2018	2019	2020	2021	2022
--Salaries and Benefits--								
600000 - General Salaries - Site Manager	111,394.00	1	1	1	1	1	1	1
600040 - Benefits - Site Manager	45,671.54	1	1	1	1	1	1	1
600000 - General Salaries - Engineering	93,974.00	2	2	2	2	2	2	2
600040 - Benefits - Engineering	38,529.34	2	2	2	2	2	2	2
600000 - General Salaries - Financial	74,213.00	0	0	0	0	0	0	0
600040 - Benefits - Financial	30,427.33	0	0	0	0	0	0	0
600000 - General Salaries - Community Relations	71,463.00	1	1	1	1	1	1	1
600040 - Benefits - Community Relations	29,299.83	1	1	1	1	1	1	1
600001 - GW Salaries - Senior Tech.	80,220.00	2	2	2	2	2	2	2
600040 - Benefits - Senior Tech	32,890.20	2	2	2	2	2	2	2
600001 - GW Salaries - Technicians	45,686.00	3	3	3	2	1	1	1
600040 - Benefits - Technicians	18,731.26	3	3	3	2	1	1	1
600050 - Temporary Labor:	15,000.00	1	1	1	1	2.4	2.4	2.4
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
--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
2017 Through Completion

GENERAL AND ADMIN. (Cont.) XXXXXX-811-23-5500		UNIT COST	2017	2018	2019	2020	2021	2022
--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	1.5	1.5	1.5	1.5	1.5	1.5
Misc.(Grants Clinic)		5,000.00	1	1	1	1	1	1
MISCELLANEOUS INCOME XXXXXX-XXX-XX-XXXX		UNIT COST	2017	2018	2019	2020	2021	2022
--Misc. Income--								
499000 - Misc. Income:		-25,000.00	0	0	0	0	0	0

GRANTS PROJECT
Unit Costs

UNIT COSTS									
--Fuel--									
		unit cost	units						
Diesel		2.42	\$/gal	Updt. 2016	Using costs for March 2015				
Gasoline		2.28	\$/gal	Updt. 2016	Using costs for March 2015				
--Water Analysis--									
Analytical Constituent Lists		unit cost	units					Supplies/shipping	
	A-LIST	90	\$/sample	Updt. 2016	by increasing shipping/supplies/filter cost	45	2015 Price /filtering cost est.	45	
	B-LIST	225	\$/sample	Updt. 2016	by increasing shipping/supplies/filter cost	180		45	
	C-LIST	72	\$/sample	Updt. 2016	by increasing shipping/supplies/filter cost	27		45	
	D-LIST	345	\$/sample	Updt. 2016	by increasing shipping/supplies/filter cost	300		45	
	E-LIST	90	\$/sample	Updt. 2016	by increasing shipping/supplies/filter cost	45		45	
	F-LIST	197	\$/sample	Updt. 2016	by increasing shipping/supplies/filter cost	152		45	
	G-LIST	99	\$/sample	Updt. 2016	by increasing shipping/supplies/filter cost	54		45	
	H-LIST	108	\$/sample	Updt. 2016	by increasing shipping/supplies/filter cost	63		45	
	I-LIST	112.5	\$/sample	Updt. 2016	by increasing shipping/supplies/filter cost	67.5		45	
	COLUMN TESTS	153	\$/sample	Updt. 2016	by increasing shipping/supplies/filter cost	108		45	
	J-LIST	130.5	\$/sample	Updt. 2016	by increasing shipping/supplies/filter cost	85.5		45	
	KPA Sample	10	\$/sample	Added in 2016					
--Vegetation Analysis--									
		unit cost	units					Shipping/	
		70.5	\$/sample	Updt. 2016	by increasing shipping/supplies/misc.	40.5		Supplies/misc.	
								30	
--Soil Analysis--									
		unit cost	units					Shipping/	
		367.5	\$/sample	Updt. 2016	by increasing shipping/supplies/misc.	337.5		Supplies/misc.	
								30	
--Utilities--									
		unit cost	units						
Electric		0.1100	\$/KWH	Updt. 2016	Conservatively large electrical cost increased from 0.1068 used for 2015				
Natural Gas		0.480	\$/CCF	Updt. 2016	Used early 2015 costs from Dan with a conversion of 1.193 therm/CCF				
--Driller Costs--									
		unit cost	units			2012 Cost		2012 Cost + 10%	
New Tailings Well -5"		7,150.00	\$/well	Updt. 2016		6,500.00		7150.00	
New Tailings Well -2"		3,520.00	\$/well	Updt. 2016		3,200.00		3520.00	
New Alluvial Well		7,150.00	\$/well	Updt. 2016		6,500.00		7150.00	
New U. Chinle Well		8,250.00	\$/well	Updt. 2016		7,500.00		8250.00	
New M. Chinle Well		11,000.00	\$/well	Updt. 2016		10,000.00		11000.00	
New L. Chinle Well		11,000.00	\$/well	Updt. 2016		10,000.00		11000.00	
Develop Tailings Well		1,650.00	\$/well	Updt. 2016		1,500.00		1650.00	
Develop Alluvial Well		1,540.00	\$/well	Updt. 2016		1,400.00		1540.00	
Develop U. Chinle Well		1,540.00	\$/well	Updt. 2016		1,400.00		1540.00	
Develop M. Chinle Well		1,540.00	\$/well	Updt. 2016		1,400.00		1540.00	
Develop L. Chinle Well		1,540.00	\$/well	Updt. 2016		1,400.00		1540.00	
Rehab/Replace San Andres Well		44,000.00	\$/well	Updt. 2016		40,000.00		44000.00	
Abandon 5" Tailings Well		1,320.00	\$/well	Updt. 2016		1,200.00		1320.00	
Abandon 2" Tailings Well		242.00	\$/well	Updt. 2016		220.00		242.00	
Abandon Alluvial Well		1,520.00	\$/well	Updt. 2016 and \$200/well site closure		1,200.00		1320.00	
Abandon Perched Alluvial Well		1,100.00	\$/well	Updt. 2016		1,000.00		1100.00	
Abandon U. Chinle Well		1,850.00	\$/well	Updt. 2016 and \$200/well site closure		1,500.00		1650.00	
Abandon M. Chinle Well		1,850.00	\$/well	Updt. 2016 and \$200/well site closure		1,500.00		1650.00	
Abandon L. Chinle Well		1,850.00	\$/well	Updt. 2016 and \$200/well site closure		1,500.00		1650.00	
Abandon San Andres Well		27,500.00	\$/well	Updt. 2016 and \$200/well site closure		25,000.00		27500.00	
Abandon Sumps		550.00	\$/sump	Updt. 2016		500.00		550.00	
Drilling Mob/Demob		6,600.00	\$/rig			6,000.00		6600.00	
-- Tailings Collection Parts and Supplies--									
		unit cost	units						
Collection Wellheads		500.00	\$/wellhead						
2" Valves		200.00	\$/valve						
3/4" 5/8" 1" Meters		50.00	\$/meter						
Submersible Pumps		550.00	\$/pump						

GRANTS PROJECT
Unit Costs

Vacuum Pumps	500.00	\$/pump	
-- Tailings Sumps Parts and Supplies--			
	unit cost	units	
Collection Plumbing	500.00	\$/wellhead	
2", 3" Valves	200.00	\$/valve	
3/4", 5/8", 1" Meters	120.00	\$/meter	
Submersible Pumps	310.00	\$/pump	
-- Tailings Injection Parts and Supplies--			
	unit cost	units	
Injection Wellheads	300.00	\$/wellhead	
2" Valves	200.00	\$/valve	
3/4", 5/8", 1" Meters	120.00	\$/meter	
-- Alluvial/Chinle Collection Parts and Supplies--			
	unit cost	units	
Collection Wellheads	1,000.00	\$/wellhead	
2" Valves	200.00	\$/valve	
3/4", 5/8", 1" Meters	120.00	\$/meter	
Submersible Pumps	2,100.00	\$/pump	
-- San Andres Collection Parts and Supplies--			
	unit cost	units	
Collection Wellheads	1,500.00	\$/wellhead	
6" Valves	450.00	\$/valve	
6" Meters	2,000.00	\$/meter	
Submersible Pumps	5,000.00	\$/pump	
-- Alluvial/Chinle Injection Parts and Supplies--			
	unit cost	units	
Injection Wellheads	350.00	\$/wellhead	
2" Valves	200.00	\$/valve	
3/4", 5/8", 1" Meters	120.00	\$/meter	
-- Irrigation Parts and Supplies--			
	unit cost	units	
Collection Wellheads	1,000.00	\$/wellhead	
2", 3" Valves	200.00	\$/valve	
6", 10", 12" Valves	600.00	\$/valve	
2", 3" Meters	500.00	\$/meter	
6", 10", 12" Meters	3,000.00	\$/meter	
Submersible Pumps	3,500.00	\$/pump	
Alfalfa	2.55	\$/lb	
Millet	0.40	\$/lb	
Cereal Grains	0.90	\$/lb	
Fertilizer	0.15	\$/lb	
-- R.O. Plant Parts and Supplies--			
	unit cost	units	
Pumps	5,000.00	\$/pump	
Valves	4,000.00	\$/valve	
Meters	4,000.00	\$/meter	
Filters	10.50	\$/filter	
Membranes (LPPO)	542.00	\$/membrane	2013 Cost from inventory
Membranes (HPO)	595.00	\$/membrane	2013 Cost from inventory
Sand Filter Media	8,000.00	L S	
Air Diffuser	2,000.00	L S	
Caustic Soda	0.3960	\$/lb	Updt. 2016 from 0.39 to 0.396
Sulfuric Acid	0.3000	\$/lb	Updt. 2016 from 0.28 to 0.293
Anti-Scalent	1,053.00	\$/barrel	Updt. 2016
Citric Acid	2.36	\$/lb	Updt. 2016 from 2.23 to 2.364
Test Reagents	0.00	\$/?	
Lime	0.1820	\$/lb	Updt. 2016 from 0.17 to 0.182
Muriatic Acid	10.25	\$/gal	Updt. 2016
Membrane Cleaner	1,429.00	\$/drum	Updt. 2012. None purchased in 2014
Liquid Citric Acid or Other Cleaner	2,000.00	\$/container	Estimated in 2016 for New RO/microfiltration consumable

GRANTS PROJECT

Unit Costs

	unit cost	units		
R.O. Plant Refurbishment	1,000,000.00	lump sum		
R.O. Plant Upgrades	5,000.00	\$/upgrade		
Miscellaneous R.O. Plant Equipment	1,000.00	\$/unit		
-- Evaporation Parts and Supplies--				
	unit cost	units		
Pumps	5,000.00	\$/pump		
Valves	1,000.00	\$/valve		
Meters	2,000.00	\$/meter		
Copper Sulfate	3.53	\$/lb	Udpt. 2016 from 3.32 to 3.53	
Citric Acid	2.36	\$/lb	Udpt. 2016 from 2.23 to 2.364	
Spray Nozzles	64.00	\$/nozzle	Udpt. 2012	
Pump & Motor for Turbo-Mist	6,000.00	\$/pump		
Nozzles for Turbo-Mist Unit	32.15	\$/nozzle		
-- Alternative Restoration Parts and Supplies--				
	unit cost	units		
Pumps	2,100.00	\$/pump		
Valves	200.00	\$/valve		
Meters	50.00	\$/meter		
Zeolite Cell Metering Pump	1200.00	\$/pump		
Placeholder	1.00	\$/lb		
Placeholder	0.00300	\$/gal treated		
-- Monitoring Parts and Supplies--				
	unit cost	units		
Bioassay Sample Bottles	0.59	\$/bottle	2015	Shipping/
OSL Badges	6.50	\$/badge	Cost	Handling/
Bioassay Samples	50.00	\$/sample		Inflation
OSL Badges Analysis	28.55	\$/badge	Udpt. 2016 by adding \$25 shipping/handling	25
High Vol Samples	250.00	\$/sample	Udpt. 2016 by adding \$10 shipping/handling	10
Radon Cups	20.00	\$/cup	Udpt. 2016 by adding \$25 shipping/handling	25
Radon Cup Analysis	88.00	\$/sample	Udpt. 2016 by adding \$25 shipping/handling/inflation	63.00
High Vol Filters	347.00	\$/pack	Udpt. 2012	25

GRANTS PROJECT
Electrical Meter 453180401 Electrical Meter 453180501

!!!!!!!!!!!!!!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
Alluvial Collection	469	*	580	580	580	580	285	285	1500	1500	1500	1500	1500	1500	0	0
Toe Drains Sumps	469	7.36	25	25	25	25	25	25	25	25	0	0	0	0	0	0
Tailings Collection	469	3.36	120	110	100	80	120	120	100	40	0	0	0	0	0	0
Spray Evaporation System	469	*	4700	4700	4700	4700	3000	3000	3000	3000	3000	3000	3000	3000	3000	0
Turbo-Mist	469	12.07	156	156	156	156	234	234	234	234	234	234	234	234	234	0
No. 2 Well	469	2	300	300	300	100	550	500	500	280	280	280	280	280	100	100

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Alluvial Collection	272020	272020	272020	272020	133665	133665	703500	703500	703500	703500	703500	703500	0	0
Toe Drains Sumps	422*	422*	422*	422*	422*	422*	422*	422*	0	0	0	0	0	0
Tailings Collection	20260.8	18572.4	16884	13507.2	20260.8	20260.8	16884	6753.6	0	0	0	0	0	0
Spray Evaporation System	2204300	2204300	2204300	2204300	1407000	1407000	1407000	1407000	1407000	1407000	1407000	1407000	1407000	0
Turbo-Mist	883089	883089	883089	883089	883089	1324634	1324634	1324634	1324634	1324634	1324634	1324634	1324634	0
No. 2 Well	281400	281400	281400	93800	515900	469000	469000	262640	262640	262640	262640	262640	93800	93800
Total	366529*	3663603	3661914	3470938	2964136	3358781	3925239	3708749	3697774	3697774	3697774	3697774	2825434	93800

R.O. Plant Electrical Meter 453180501

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

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
R.O. Plant	2307600	2307600	2307600	2307600	2307600	2307600	2307600	2307600	2307600	2307600	2307600	2307600	10000	10000

R.O. Plant Expansion

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

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
R.O. Plant							1432800	2307600	2307600	2307600	2307600	2307600	10000	10000

GRANTS PROJECT
Long-Term Maintenance
Surveillance Fee

LONG-TERM MAINTENANCE & SURVEILLANCE FEE

NRC Long Term Maintenance and Surveillance Fee

\$250,000 Fee in 1978 Dollars

Most current CPI Index for Current Year = 236.916
CPI Index for November, 1978 = 67.4

CPI Factor = 3.515074

Fee in March, Current year dollars = \$878,769

GRANTS PROJECT
Physical Reclamation Costs
2016 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 236.916

Jan 2003 CPI Value 181.7

1.303885526

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	164.94	\$65,977
4.1.3	Clear & Grub Borrow Areas	Acre	240	1,564.66	\$375,519
4.1.4	Radon Barrier material: haul & placement	CY	770,000	5.48	\$4,216,766
4.1.5	Rock Cover material: haul & placement	CY	87,000	5.61	\$487,784
4.1.6	Construction QA/QC	Month	7	71,713.70	\$501,996
4.1.7	Revegetation of Borrow Areas	Acre	240	1,825.44	\$438,106
	Large Tailings Pile Closure Subtotal				\$6,086,146
4.2	Pond Closure				
4.2.1	Dewatering and/or Water Treatment (allowance)	LS	1	65,194.28	\$65,194
4.2.2	Removal of sediment - placement in EP1	CY	80,000	4.95	\$396,381
4.2.3	Removal of liners, & piping - placement in EP1	SY	86,000	1.17	\$100,921
4.2.4	Excavate underlying impacted soil	CY	37,500	3.91	\$146,687
4.2.5	Remove/regrade earthen berms	CY	122,000	1.30	\$159,074
4.2.6	Confirmation Sampling	Acre	25	1,043.11	\$26,078
4.2.7	Import Fill placement & grading	CY	50,000	3.78	\$189,063
4.2.8	Revegetation	Acre	25	1,825.44	\$45,636
	Pond Closure Subtotal				\$1,129,034
4.3	Small Tailing Pile Closure				
4.3.1	Clear & Grub Borrow Areas	Acre	105	1,564.66	\$164,290
4.3.2	Prep and grade of tailings pile surface	CY	170,000	2.54	\$432,238
4.3.3	Radon Barrier material: haul & placement	CY	340,000	5.67	\$1,928,447
4.3.4	Rock Cover material: haul & placement				
	Top of Impoundment	CY	32,000	5.74	\$183,587
	Impoundment side slopes	CY	28,000	8.15	\$228,180
4.3.5	Construction QA/QC	Month	4.5	71,713.70	\$322,712
4.3.6	Revegetation of Borrow Areas	Acre	105	1,825.44	\$191,671
	Small Tailing Pile Closure				\$3,451,124
5.0	RADIOLOGICAL SURVEY AND ENVIRONMENTAL MONITORING				
	Radon Flux Measurements on Tailing Piles (post-closure)	LS	1	50,851.54	\$50,852

GRANTS PROJECT
Physical Reclamation Costs
2016 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 236.916
Jan 2003 CPI Value 181.7
1.303885526

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	179,284.26	\$179,284
6.1.2	Backfill/regrade demolition area	CY	1,500	3.91	\$5,867
6.1.3	Revegetation	Acre	2.5	1,825.44	\$4,564
	RO Plant Demolition Subtotal				\$189,715
6.2	Office/Shop Area Demolition (office-truck shop, warehouse bldg, & rel. bldg in admin compound)				
6.2.1	Demolition of buildings	LS	1	91,271.99	\$91,272
6.2.2	Demolition of Water Tanks	EA	2	19,558.28	\$39,117
6.2.3	Removal of yard gravel - placement in EP1	CY	4,000	4.56	\$18,254
6.2.4	Backfill/regrade demolition area	CY	1,500	3.91	\$5,867
6.2.5	Revegetation	Acre	5	1,825.44	\$9,127
	Office/Shop Area Demolition Subtotal				\$163,638
7.0	PROJECT MGMNT - CONSULTING/ENGINEERING SUPPORT				
7.1	Large Tailings Pile Closure				
7.1.1	Final Design & Contract Document Prep	LS	1	46,939.88	\$46,940
7.1.2	Proj Management & Construction Oversight	Month	7	49,547.65	\$346,834
7.1.3	Prepare Completion Report	LS	1	46,939.88	\$46,940
	LTP Project Management Subtotal				\$440,713
7.2	Final Closure & Demolition (RO plant, ponds, STP)				
7.2.1	Final Design & Contract Document Prep	LS	1	56,327.85	\$56,328
7.2.2	Proj Management & Construction Oversight	Month	8.5	49,547.65	\$421,155
7.2.3	Prepare Completion Report	LS	1	56,327.85	\$56,328
	STP Project Management Subtotal				\$533,811
7.3	Shop Area Demolition				
7.3.1	Final Design & Contract Document Prep	LS	1	6,258.65	\$6,259
7.3.2	Proj Management & Construction Oversight	Month	0.5	49,547.65	\$24,774
7.3.3	Prepare Completion Report	LS	1	6,258.65	\$6,259
	Shop Area Project Management Subtotal				\$37,291
TOTAL					\$12,082,325