



Grants Office

Alan D. Cox
Project Manager - Grants

6 March 2009

U.S. Nuclear Regulatory Commission
Office of Nuclear Materials Safety and Safeguards
Division of Fuel Cycle Safety and Safeguards
Chief of Fuel Cycle Facilities Branch (Mailstop T8-A33)
C/o Document Control Desk
11545 Rockville Pike
Two White Flint North
Rockville, MD 20852-2738

Attn: Mr. John T. Buckley, Senior Project Manager

RE: Homestake Mining Company - License SUA-1471
Docket 40-8903 (TAC LU0134)
Grants Reclamation Project - 2008 Closure Cost Estimate
Response to November 5, 2008 Request for Additional Information (RAI)
and Revised Cost Estimate

Dear Mr. Buckley:

Enclosed please find two (2) paper hard copies and two CD disks containing the 2008 revised project cost estimate spreadsheets addressing project closure and reclamation costs for the Grants Reclamation Project for 2009 through 2017. This revision package is in response to the RAI letter transmittal to Homestake Mining Company of California dated November 5, 2008. We will also transmit this information to you via e-mail.

The new revised cost estimate reflects changes made to the estimate in response to the RAI; the revised total closure cost for the project for years 2009-2017 is \$49,976,233. The total is comprised of the following: total project cost of \$42,774,801; the 15% NRC contingency fee per NUREG-1620 App. C of \$6,416,220; and the NRC Long Term Maintenance / Surveillance Fee of \$785,211 (using February, 2008 index basis). Included with this letter are two copies of: 1) an RAI response document (Letter Attachment A), 2) a summary description of the Grants site remediation program that is keyed to the revised cost estimate for explanation of program activities and related costs (Letter Attachment B), 3) an analytical parameter list for project water quality analytical work (Letter Attachment C), 4) a revised hardcopy of the Excel file cost estimate printout, and 5) a revised electronic Excel file of the spreadsheet on CD. As you know from previous cost estimate updates, some of the support information contained in the electronic file is not printed (and therefore not shown) in the attached paper hard copy of the estimate; this information, however, can be viewed from the electronic Excel file.

We trust that this responds to the RAI request. Thank you for your time and attention on this matter. If you or any members of the NRC staff have any questions, please contact me at the Grants site (505) 287-4456 ext. 25 or via cell phone at (505) 400-2794.

Sincerely yours,

Homestake Mining Company
Of California
Alan D. Cox
Project Manager

P.O. Box 98 / Highway 605, Grants, NM 87020

Tele: (505) 287-4456

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LM5501

Cc: R. Chase – SLC (via electronic file)
B. Ferdinand – SLC (via electronic file)
T. Grandy – SLC (via electronic file)

Letter Attachment A

GRANTS RECLAMATION PROJECT
2009-2017 NRC Reclamation / Closure Cost Estimate Update
Filed March, 2008

Response to
Nov. 5, 2008 NRC Request for Additional Information (RAI)

RAI 1. Provide a Description of the Proposed Decommissioning Activities and ensure the Worksheets Correspond to Current Project Conditions

Response:

Grants Site Closure Activities – A separate text description of anticipated site closure and decommissioning activities is included as **Letter Attachment B** and is tied to the cost breakdown categories in the cost estimate spreadsheet. The program summary should be reviewed in conjunction with the cost spreadsheet tab entitled “(4) Costs per Year 2”. This description draws from several documents that have been submitted to the USNRC in support of ongoing restoration, reclamation, and closure activities and summarizes the activities that are contained in each cost subcategory.

Scenario F Schedule – The construction of the No. 3 Evaporation Pond has been delayed by forces outside of HMC’s control. At the time the budget was developed, the construction was planned for 2008, and the notation in the Scenario F Schedule was an oversight. The pond construction has been included in the attached cost estimate and is shown as being constructed and commissioned in 2009.

Groundwater Management bullet item – The Gantt chart presents scheduling for major activities that do not necessarily correspond directly with listed headings in the “Life of Project Roll-Up 1”. The terminology has been reviewed to provide as much consistency and clarity as possible. However, the formatting, arrangement and complexity of costing in the spreadsheet is not conducive to providing a simplified scheduling as portrayed in the Gantt chart. The previously described text description should be consulted for more details on anticipated project activities.

Irrigation System Management bullet item – The line item listings have been made consistent.

RAI 2. Submit Additional Detail to Support the Cost Estimate (Appendix C, NUREG-1620)

Response:

Current Reclamation Repairs Bullet Item – This cost was included to allow general maintenance and repair of existing completed reclamation work at the site and is based on

historic expenditures. Typical activities include repair of reclamation cover and erosion protection that has been disturbed by road or pipeline corridor construction. More activity is anticipated in 2015 to complete repairs that have been delayed until major disturbance is complete. Cell comments have been expanded.

Fuel Cost Escalation Bullet Item – Unit costs included in the estimate for diesel fuel and gasoline were re-reviewed and the appropriateness of applying a yearly escalator was evaluated. The extreme volatility in the price of oil, and therefore fuel and gasoline costs over the past year, leads to the conclusion that an escalator is not appropriate. For example, current gasoline prices are considerably lower than the unit cost for gas contained in the current revised cost estimate. These unit costs are updated annually to reflect current cost for submittal in the new annual project cost estimate. If an escalator is applied under these circumstances, it would therefore also be appropriate that an NPV discount rate be applied to future costs to bring it back to a current dollar basis.

Electrical/Natural Gas Cost Escalation Bullet Item – See discussion and rationale above for fuel and gasoline costs.

Analytical Analysis Bullet Item – Attached in Letter Attachment C are the analytical parameter details for the A-List through J-List analytical parameter suites. Bid costs for each list are received from the laboratory annually and those costs are input into the attached cost estimate. Dissolved metals analyses are completed for the A-J List parameter suites that are reflected in each List unit cost in Worksheet (6).

General Salaries Bullet Item – The salary and benefits costing was converted to equivalent or similar position salary estimates from the United States Bureau of Labor Statistics (BLS) data for New Mexico. More detailed description is included in the comments for specific cells in Sheet (5) of the cost spreadsheet.

Hydrologist/Bioengineer Bullet Item – Costing for the hydrologist/engineer and bioengineer is listed under consulting services. The terms full and part time position do not apply to third party consultant fees. The estimated costs are for services in support of a test of bioremediation methods for ground-water restoration. Comments in the spreadsheet cells have been modified.

RAI 3. Revise or Justify Estimates for Unit Costs or other Key Assumptions (Appendix C, NUREG-1620)

Response:

Equipment Expenses Bullet Item – These costs have been adjusted and cell comments in (5) Unit Costs and Quantities have been expanded. All costs are annual, but much of heavy equipment is used on a limited basis and would not be continuously leased at an interval cost that would quickly compound to exceed the machine purchase price. For those machines that are used more frequently, it was assumed that a suitable machine is purchased, linearly depreciated over the remainder of the project, and then sold for the purchase cost minus the stated depreciation cost. An annual maintenance cost is also included. The dozer is assumed to be leased and used for one month during the year. The crane is assumed to be contracted locally for necessary lifts.

Driller Costs Bullet Item – A drilling rig mobilization/demobilization cost of \$6,000 has been added to the spreadsheet in the Groundwater Management area. However, this same mobilization/demobilization line item also applies for all drilling activity as it is assumed that drilling will be in campaigns. The number of mobilizations is increased for years when a large number of wells are in the drilling or abandonment program.

Monitoring Costs Bullet Item – Bids are solicited each year for monitoring supplies and analytical services. The reference for analytical testing is described previously in these responses:

RAI 4. Provide Estimates for Missing Costs, Provide Details on How Those Costs Are Included or Justify Why They Are Not Included (Appendix C, NUREG-1620)

Response:

Disposal of Wastes Bullet Item – The demolition of the Reverse Osmosis plant and other buildings is included in (9) Physical Reclamation Costs under line item 6.0 - Demolition of Remaining Facilities. No building or equipment was assumed to be salvaged.

RAI 5. Correct the CPI Factor Listed in Worksheet (8) "NRC Long Term Maintenance and Surveillance Fee"

Response: The calculation of the CPI adjusted NRC fee has been changed. The value of the fee is unchanged.

RAI 6. Clarify the CPI Factor Used in Worksheet (9) "Grants Project Physical Reclamation Costs – 2008 Dollars"

Response: The calculation of the CPI adjustment of physical reclamation costs from 2003 to 2008 dollars has been changed. The projected physical reclamation cost is unchanged.

**GRANTS
RECLAMATION PROJECT
CIBOLA COUNTY, NM**

Introduction

Homestake Mining Company of California manages a ground water restoration program as defined by Nuclear Regulatory Commission (NRC) License SUA-1471, and New Mexico Environment Department (NMED), DP-200 permit. The groundwater restoration / decommissioning and reclamation program is a dynamic on-going strategy based on a restoration plan, which began in 1977, and is scheduled to be completed in 2015; final decommissioning and reclamation of the site is scheduled to be completed by the end of 2017.

Homestake's long-term goal is to restore the ground water aquifer to levels as close as practicable to the up-gradient background levels. A ground water collection area has been established and is bounded by a down-gradient perimeter of injection/infiltration wells and trenches. Alluvial ground water that flows beneath the tailings enters this collection area. All ground water in the alluvial aquifer that is within the collection area is eventually captured by the collection well system. Once ground water quality restoration within the zone is complete and approved by the agencies, the site is to be transferred to the U.S. Department of Energy, which will have the responsibility for long-term site care and maintenance.

The restoration program is designed to remove target contaminants from the ground water by flushing the alluvial aquifer with deep-well supplied fresh water or water produced from the reverse osmosis (R.O.) plant. A series of collection wells is used to collect the contaminated water, which is pumped to the R.O. plant for treatment or, alternatively, reported to the evaporation ponds.

Historically, the contaminants are found in two different aquifer systems. The aquifer system of primary concern is the alluvial system, which averages approximately 100 feet in depth, and extends generally north to south encompassing the San Mateo alluvial aquifer. In addition, a second aquifer system is found within the Chinle formation underlying the San Mateo alluvium. It is comprised of three separate aquifers designated as the Upper, Middle and Lower Chinle aquifers. The Hydro-Engineering 2003b report should be reviewed for details of the geologic setting and aquifer conditions on the site. The Upper and Middle Chinle aquifers subcrop beneath the alluvial system near the project site. Slight to moderately elevated concentrations of constituents of concern have been observed in the Upper, Middle and Lower Chinle aquifers near their subcrops with the overlying alluvial system.

The restoration program, as described above, is made up of injection and collection well systems. R.O. product water, or fresh water pumped from deep wells, is injected in a series of wells or infiltration trenches arranged to form a continuous injection line across the site. The injection line creates a hydraulic barrier that results in containment of the contaminants within the collection area. The contaminated ground water is pumped and collected from a series of wells within the collection area. The

collected aquifer water is pumped to the R.O. plant or to two large lined evaporation ponds for passive and forced (spray) evaporation. At present, plans are to construct a third evaporation pond in 2009 to augment the present evaporation pond storage and evaporative capacities – the third pond has been approved and the NRC License amended whereas the permit review and approval process for the third pond with the New Mexico Environment Department is ongoing.

In the years from 1977 to the present, the combination of injection wells and the up-gradient collection system has gradually continued the withdrawal of the contaminated ground water plume up-gradient of the current hydraulic barrier which assists in aquifer restoration of ground water concentrations to or below background levels.

The following summary sections contain further descriptions of the decommissioning plan for the Grants Reclamation Project. Discussions of the various plan components are broken down by activity area such that they correspond to the program elements categories found in the NRC project cost estimate which is updated and filed annually with the Commission.

The program activities and related subcategories described below correspond to workbook (4) of the cost estimate spreadsheet entitled “(4) Costs per Year 2” and should be reviewed concurrently for an explanation of the activities and the related costs associated with each program activity category.

1. Tailings Facility Closure / Reclamation – XXXXXX-810-23-3600

Activities and associated costs in this closure activity category are associated with the final decommissioning and physical reclamation/closure of the site. Major activities involve outside contractor construction work and technical consulting support for designs, planning and followup environmental monitoring and include:

- Final physical reclamation and closure of the Large Tailings Pile (LTP) in 2013 after completion of the ongoing pile flushing program and completion of residual extractive pumping of water remaining in the pile prior to final natural draindown. This includes final repair work on the radon barrier and erosion rock cover on the LTP in 2016.
- Final closure and physical reclamation of the Small Tailings Pile (STP) in 2017 subsequent to closure of the evaporation ponds which is scheduled in 2016. RO plant decommissioning activities and associated costs with removal and disposal of contaminated plant, equipment and piping systems are also planned in 2017.

2. On-Site Demolition – XXXXXX-810-23-3300

Activities and related costs in this category include outside consulting technical support to provide design details and plans for reclamation work involved with final demolition

and on-site quality control. Also included are activities and costs related to preparation of final as-builts for final reclamation activities planned at project end in 2017.

3. Water Treatment – XXXXXX-810-23-5100

This project activity program category includes many of the ongoing activities that are related to continuation of the groundwater remediation program at the Grants site. Following is a brief discussion of each of the program subcategories and major cost related items that are involved with maintaining the groundwater cleanup program at the site until final site closure.

- **General**
General costs associated with water treatment at the site include those items that are ongoing at a relatively constant support level throughout the completion of the project. Mobile equipment required on site include a dozer, backhoe, front end loader, crane, forklifts, mobile generator sets, and pipe fusion machines. Occasionally rental equipment is needed to support ongoing activities. Fuel, repairs and maintenance cost for this equipment is included. Electrical and natural gas cost for supporting the maintenance shop and office is included in this category; all activities under this category are required for the 2009 to 2017 time period when final project closure is planned.
- **Tailings Water Management**
Most costs associated with this category involve management of water related to the Large Tailings Pile (LTP). Continued water analysis and maintenance and installation of wells and related pumping systems in the LTP are the majority of cost activities from 2009 through 2013. Abandonment of wells in the LTP and closeout and reclamation of the tailings water collection sumps for the pile are planned in 2013 at the time of final LTP pile closure.
- **Tailings Collection**
Program activities in this category include maintenance and operation of the LTP tailings water collection wells and piping systems utilized to extract tailings water out of the pile during flushing and final well extraction activities immediately prior to final closure of the LTP. Costs for outside contractors, technical consulting support, and parts and supplies and pumps to maintain the extraction systems are included in the period of 2009 through 2012; the LTP is currently scheduled to be closed and reclaimed in 2013.
- **Toe Drains and Sumps Collection**
As with the tailings collection activities described above, activities and costs associated with toe drain and sump water collection in and around the LTP are scheduled to occur from 2009 through 2012. Costs for outside contractors, technical consulting support, and parts and supplies and sump pump repair / replacement to maintain the LTP seepage collection systems are required throughout this time period.

- Tailings Flushing System
Water conveyance and injection systems in place on the LTP to complete the tailings flushing program are scheduled to continue from 2009 through 2011. Pumps required for water supply delivery to the injection systems and outside contractor support for electrical systems, pump repair and technical consulting support are included to maintain the system for the remaining 3 year period for the LTP flushing program.
- Groundwater Management
Activities related to groundwater management pertain to water quality monitoring, well maintenance and drilling / abandonment of wells in the alluvial and Chinle aquifers that are necessary to evaluate the status and progress in remediation of water contamination in these aquifers downgradient of the Grants site. As such, this groundwater remediation program activity is to be maintained for the remainder of site closure from 2009 through 2017 when final site closure is planned. Costs are mostly associated with water quality monitoring, and drilling and abandonment of wells.
- Groundwater Collection
This aspect of the groundwater remediation program at the Grants site involves the groundwater well system utilized to collect aquifer water for continued contaminant removal and subsequent cleanup of the affected aquifer systems downgradient of the Grants site. Groundwater collection is ongoing and will continue through 2015 with the water either treated through the RO plant or utilized for tailings pile flushing or other groundwater cleanup program activities, depending on the quality of the water. Costs are primarily involved with outside contractor and technical consulting support services, parts, supplies, pump repair/replacement, and electrical costs for operation of pumping systems.
- Groundwater Injection
This aspect of the groundwater remediation program at the Grants site involves the groundwater well and infiltration line systems utilized to inject fresh water in the aquifer system to assist in contaminant removal and subsequent cleanup of the affected aquifer systems downgradient of the Grants site. The groundwater injection system is currently in operation and will continue through 2015 in areas where aquifer remediation requires supplemental freshwater injection. Costs for this program are primarily involved with outside contractor and technical consulting support services, parts, supplies, pump repair/replacement, and electrical costs for operation of injection systems.

Letter Attachment B

It should be noted that costs for parts and supplies, pump repair/replacement and electrical cost continue through 2017 as related to the San Andres aquifer production wells which are utilized not only for injection water supply but also for miscellaneous industrial consumptive uses related to general operation of the shop, office and other water requirements for overall project operation.

- Reverse Osmosis (RO) Plant Operations

The 600 gpm RO plant is an important and integral component of the overall groundwater remediation / cleanup strategy at the Grants site. Operation of the plant is utilized to provide a source of clean treated water for injection into the aquifer system downgradient of the Grants tailings piles and also concentrates contaminants for subsequent disposal in the project evaporation pond complex. Plant feed is primarily composed of contaminated groundwater immediately downgradient of the LTP and is an important component for aquifer cleanup and to assure hydraulic containment of contaminants within close proximity of the LTP and millsite area. The Grants site groundwater remediation program has scheduled to operate the plant through 2015 and then keep the plant on standby from 2016-2017 until final decommissioning and demolition / disposal of the plant and equipment can be accomplished. Costs for operation are related to outside contractor and technical consulting services, electrical power and natural gas for operation, parts, supplies, pump repair/replacement, minor water analysis cost for operation, and chemical consumables and RO membranes related to the water treatment process.

- In-Situ Biotesting

R & D test work is currently underway to ascertain whether an in-situ biological treatment technology is a feasible process to assist in groundwater remediation and/or tailings pile closure at the Grants site. Costs to support the evaluation program are contained in 2009 costs; a positive feasibility determination may support additional costs, or implementation of the technology based on results. Costs for the remainder of the project are unknown and therefore not contained in the current project cost estimate.

- Evaporation System Management

Forced evaporative spray systems are utilized to enhance evaporative loss in the pond systems that are in place to contain contaminated waste water at the site. Spray systems are operated on the East and West Collection ponds and the #1, #2 and #3(planned) evaporation ponds. Costs associated with these systems involve outside contractor support for the electrical, pump maintenance, and liner repair/maintenance, technical consulting support, and pump replacement, parts and supplies including odor control chemicals (copper sulfate). Operation of the spray systems vary by pond, based upon

operational life of the specific pond and required operation of the system; costs for each pond reflect the operational life of each evaporation system. The planned #3 evaporation pond, for example, is scheduled to have an operational spray system through 2016.

- **Irrigation System Management**

This program component for the Grants site groundwater remediation program involves a crop irrigation program that is utilized to accomplish final “polish” remediation of the moderately affected aquifer systems downgradient of the tailing piles and milling complex area. At present, approximately 400 acres of land are under center pivot and flood irrigation for crop production. Operation of this system was initiated in 1999/2000 and continues to present. It is planned for continued operation through the rest of the remediation program – 2017. Costs related to the crop irrigation systems include: outside contractor and technical consulting support, program monitoring and analysis of soils, vegetation and water quality, well maintenance, installation and abandonment of groundwater wells, parts, supplies, pump repair/replacement, and electrical power consumption costs to operate pumps and center pivot equipment.

4. Monitoring / Regulatory – XXXXXX-810-23-5200

The monitoring and regulatory permit maintenance programs at the Grants site provide support to a comprehensive surveillance and reporting system necessary to monitor progress in accomplishing groundwater cleanup, identify issue/concern areas in the program, and to provide required reporting and information sharing with the regulatory agencies that have oversight and permit requirement authorities / responsibilities. Costs associated with these activities, which are beyond those captured in other program costs outlined in the previous sections, include permit fees, regulatory agency oversight fees, and technical consulting support fees related to preparation of project reports required by permit or regulatory authority, and parts, supplies, and power requirements for air/meteorological monitoring, and radiation program monitoring and personnel training. Also included are surveying and reporting costs associated with monitoring of physical settlement of the LTP, a condition of existing permits in place for the site. These costs are ongoing and will continue through the life of the project – 2017 – with the exception that settlement monitoring on the LTP is scheduled to cease in 2012 at the time that final cover placement and reclamation of the pile is anticipated.

5. Holding – XXXXXX-811-23-5300

Maintenance of land asset holdings involves costs with maintaining fences, minor water development maintenance activities for livestock grazing, and cleanup and maintenance of land holdings. A minor amount of land surveying cost is included, as well as costs associated with payment of property taxes.

6. Security and Maintenance – XXXXXX-811-23-5400

Security systems at the Grants site involve costs associated with maintenance of the security system and monthly security maintenance payments to a security support service.

7. Severance and Relocation – XXXXXX-XXX-XX-XXXX

Site personnel severance and relocation costs are not included in the cost estimate, based upon the assumption that costs are to reflect third party contractor arrangements.

8. General and Admin. – XXXXXX-811-23-5500

General and administrative costs include salaries and benefits for staff (cost estimate is based on most recent Bureau of Labor Statistics (BLS) New Mexico data for equivalent staff positions reflective of third party contractor engagement), office supply costs, computer hardware maintenance/replacement, outside contractor IT support, FAX, internet, telephone costs and taxes, licenses, insurance, and outside legal counsel support. Personnel travel, Workers Compensation costs, and several other costs are not included in the cost estimate as reflected by current NRC cost estimate guidance. G & A costs are ongoing and are carried through the planned project end – 2017.

9. Miscellaneous Income – XXXXXX-XXX-XX-XXXX

Minor incidental miscellaneous income from the Grants site operation is not reflected in the cost estimate.

**GRANTS PROJECT
WATER QUALITY PARAMETER LIST**

A = Water Level, SO₄, U, Se, TDS

B = Water Level, pH, TDS, SO₄, Cl, HCO₃, CO₃, Na, Ca, Mg, K, NO₃, U, Se, Mo, Ra-226

C = SO₄, TDS

D = Ca, Mg, K, Na, HCO₃, CO₃, Cl, SO₄, pH, TDS, Al, As, Ba, Cd, Cr, Co, Cu, CN, F, Fe, Pb,
Mn, Hg, Mo, Ni, NO₃ as N, Se, Ag, Zn, U, Filtered Ra-226

E = Water Level, SO₄, U, TDS

F = V, Ra-228, Th-230

G = Water Level, SO₄, U, Se, TDS, Mo

H = Water Level, SO₄, U, Se, TDS, Mo, Cl

I = Water Level, SO₄, U, Se, TDS, NO₃

J = Water Level, SO₄, U, Se, Mo, TDS, NO₃

Grants Project
Closure Cost Estimate
Scenario F

The 2008 closure cost estimate for years 2009 through 2017 was developed with the assumption that the restoration program is to follow the schedule outlined in Scenario F/Case F January, 2006. The restoration activities associated with Scenario F are as follows:

- The Tailings Flushing program is to continue through 2011.
- The Toe Drain collection is to continue through 2012.
- The Collection for ReInjection program is to continue through 2008.
- The Tailings Dewatering program is to continue through 2012.
- The Upper Chinle Injection program is to continue through 2009.
- The Middle Chinle Injection program is to continue through 2009.
- The Freshwater Injection program is to continue through 2013.
- The placement of the Radon Barrier and the Rock Cover for the Large Tailings Pile is to occur in 2013.
- R.O. Plant to be operated at a feed rate of 600 gpm from 2009 through 2015. Practically achievable continuous feed rate is estimated at 540 gpm.
- The Ground-water restoration program is to continue through 2015.
- The Alluvial collection is to continue through 2015.
- The construction of the No. 3 Evaporation Pond is scheduled in 2009
- The operation of Evaporation Pond No. 1 is to continue through 2012.
- The reclamation of Evaporation Pond No. 1 is to occur in 2017.
- The operation of Evaporation Ponds No. 2 and No. 3 and the East and West Collection ponds is to continue through 2016.
- The reclamation of Evaporation Ponds No. 2 and No. 3 and the East and West Collection ponds is to occur in 2017.
- The placement of the Radon Barrier and the Rock Cover for the Small Tailings Pile is to occur in 2017.
- The R.O. Plant demolition is to occur in 2017.
- The Office and other on-site demolition are to occur in 2017.
- The irrigation program is to continue through 2017.

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 costs 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 8 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 13 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 23 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.

HMC Cost Estimate
Instruction Sheet

To change these numbers, edits should be made to the "Unit Costs-Quantities" sheet.

- (5) Unit Costs and Quantities :** This worksheet contains 24 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.
- (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 contains the calculations for distributing the kilowatt-hour usage for meter 453180401 to each of the systems that are metered by that meter. 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.
- (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
Scenario F Closure Cost Estimate
Costs for Life of Project
2008 Dollars

Physical Reclamation Costs

Tailings Facility Closure / Reclamation	XXXXX-810-23-3600	\$13,798,929
Other On-Site Demolition	XXXXX-810-23-3300	\$179,537
TOTAL PHYSICAL RECLAMATION COSTS		\$13,978,466

LONG-TERM CARE AND MAINTENANCE

WATER TREATMENT	XXXXX-810-23-5100	\$18,760,630																				
	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">General</td> <td style="width: 50%; text-align: right;">\$1,283,386</td> </tr> <tr> <td>Tailings Water Management</td> <td style="text-align: right;">\$788,981</td> </tr> <tr> <td>Groundwater Management</td> <td style="text-align: right;">\$1,753,656</td> </tr> <tr> <td>R.O. Plant Operations</td> <td style="text-align: right;">\$7,672,943</td> </tr> <tr> <td>In-Situ Biotesting & Remediation</td> <td style="text-align: right;">\$335,885</td> </tr> <tr> <td>Evaporation System Management</td> <td style="text-align: right;">\$5,094,598</td> </tr> <tr> <td>Irrigation Program Operation</td> <td style="text-align: right;">\$1,831,183</td> </tr> </table>	General	\$1,283,386	Tailings Water Management	\$788,981	Groundwater Management	\$1,753,656	R.O. Plant Operations	\$7,672,943	In-Situ Biotesting & Remediation	\$335,885	Evaporation System Management	\$5,094,598	Irrigation Program Operation	\$1,831,183							
General	\$1,283,386																					
Tailings Water Management	\$788,981																					
Groundwater Management	\$1,753,656																					
R.O. Plant Operations	\$7,672,943																					
In-Situ Biotesting & Remediation	\$335,885																					
Evaporation System Management	\$5,094,598																					
Irrigation Program Operation	\$1,831,183																					
Monitoring / Regulatory	XXXXX-810-23-5200	\$1,616,464																				
	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">General</td> <td style="width: 50%; text-align: right;">\$1,225,000</td> </tr> <tr> <td>Air / Weather Monitoring</td> <td style="text-align: right;">\$86,472</td> </tr> <tr> <td>Radiation Monitoring</td> <td style="text-align: right;">\$268,992</td> </tr> <tr> <td>Settlement Monument Monitoring</td> <td style="text-align: right;">\$36,000</td> </tr> </table>	General	\$1,225,000	Air / Weather Monitoring	\$86,472	Radiation Monitoring	\$268,992	Settlement Monument Monitoring	\$36,000													
General	\$1,225,000																					
Air / Weather Monitoring	\$86,472																					
Radiation Monitoring	\$268,992																					
Settlement Monument Monitoring	\$36,000																					
HOLDING	XXXXX-811-23-5300	\$414,000																				
	Land	\$414,000																				
SECURITY & MAINTENANCE	XXXXX-811-23-5400	\$36,000																				
	Land & Structures	\$36,000																				
SEVERANCE AND RELOCATION	XXXXX-XXX-XX-XXXX	\$0																				
	Severance and Relocation	\$0																				
GENERAL & ADMIN.	XXXXX-810-23-5500	\$7,969,241																				
	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Salaries & Benefits</td> <td style="width: 50%; text-align: right;">\$6,907,241</td> </tr> <tr> <td>General Office Costs</td> <td style="text-align: right;">\$112,500</td> </tr> <tr> <td>Occupancy Costs</td> <td style="text-align: right;">\$90,000</td> </tr> <tr> <td>Communication Costs</td> <td style="text-align: right;">\$261,000</td> </tr> <tr> <td>Data Processing Costs</td> <td style="text-align: right;">\$99,000</td> </tr> <tr> <td>Taxes, Licenses, and Fees</td> <td style="text-align: right;">\$13,500</td> </tr> <tr> <td>Insurance</td> <td style="text-align: right;">\$216,000</td> </tr> <tr> <td>Travel and Accommodation</td> <td style="text-align: right;">\$0</td> </tr> <tr> <td>Professional Fees</td> <td style="text-align: right;">\$135,000</td> </tr> <tr> <td>Outside Services</td> <td style="text-align: right;">\$135,000</td> </tr> </table>	Salaries & Benefits	\$6,907,241	General Office Costs	\$112,500	Occupancy Costs	\$90,000	Communication Costs	\$261,000	Data Processing Costs	\$99,000	Taxes, Licenses, and Fees	\$13,500	Insurance	\$216,000	Travel and Accommodation	\$0	Professional Fees	\$135,000	Outside Services	\$135,000	
Salaries & Benefits	\$6,907,241																					
General Office Costs	\$112,500																					
Occupancy Costs	\$90,000																					
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Data Processing Costs	\$99,000																					
Taxes, Licenses, and Fees	\$13,500																					
Insurance	\$216,000																					
Travel and Accommodation	\$0																					
Professional Fees	\$135,000																					
Outside Services	\$135,000																					
TOTAL LONG-TERM CARE AND MAINTENANCE COSTS		\$28,796,335																				
TOTAL INCOME		\$0																				
TOTAL EXPENSES LESS INCOME		\$42,774,801																				
	15% Contingency fee per NUREG-1620 Appendix C	\$6,416,220																				
	NRC Long-Term Maintenance / Surveillance Fee	\$785,211																				
TOTAL WITH CONTINGENCY AND LT SURVEILLANCE FEE		\$49,976,233																				

GRANTS PROJECT
Scenario F Closure Cost Estimate
Costs for Life of Project
2008 Dollars

Physical Reclamation Costs

Tailings Facility Closure / Reclamation XXXXX-810-23-3600 \$13,798,929

711040-	Consulting	\$1,185,579
714090-	Outside Services	\$12,613,350
		Total \$13,798,929

Other On-Site Demolition XXXXX-810-23-3300 \$179,537

711040-	Consulting	\$33,321
714090-	Outside Services	\$146,216
		Total \$179,537

TOTAL PHYSICAL RECLAMATION COSTS **\$13,978,466**

LONG-TERM CARE AND MAINTENANCE

WATER TREATMENT XXXXX-810-23-5100 \$18,760,630

General \$1,283,386

717050 -	Fuel:	\$190,024
718010 -	Freight and Transportation:	\$45,000
717060 -	Equipment Expenses:	\$314,990
717075 -	Vehicle Expenses:	\$408,000
610020 -	Utilities:	\$325,372
		Total \$1,283,386

Tailings Water Management \$788,981

711030 -	Water Analysis:	\$38,450
714010 -	Driller costs:	\$257,600
610020 -	Utilities:	\$7,061
		Total \$303,111

Tailings Collection

714090 -	Outside Services:	\$68,000
711040 -	Consulting Services:	\$60,000
711020 -	Parts and Supplies:	\$101,250
712010 -	Pumps:	\$55,000
		Total \$284,250

GRANTS PROJECT
 Scenario F Closure Cost Estimate
 Costs for Life of Project
 2008 Dollars

Toe Drains and Sumps Collection

711040 -	Consulting Services:	\$20,000
714090 -	Outside Services:	\$6,000
711020 -	Parts and Supplies:	\$10,400
712010 -	Pumps:	\$1,240
	Total	\$37,640

Tailings Flushing

711040 -	Consulting Services:	\$45,000
714090 -	Outside Services:	\$9,000
Injection System		
711020 -	Parts and Supplies:	\$0
Injection Supply System		
711020 -	Parts and Supplies:	\$0
712010 -	Pumps:	\$4,200
610020 -	Utilities:	\$105,780
	Total	\$163,980

Groundwater Management

\$1,753,656

711030 -	Water Analysis:	\$256,941
714010 -	Driller costs:	\$495,050
	Total	\$751,991

Groundwater Collection

714090 -	Outside Services:	\$133,000
711040 -	Consulting Services:	\$140,000
610020 -	Utilities:	\$151,525
C-Line		
711020 -	Parts and Supplies:	\$0
712010 -	Pumps:	\$0
K-Line		
711020 -	Parts and Supplies:	\$15,750
712010 -	Pumps:	\$14,700
610020 -	Utilities:	\$1,722
B-Line		
711020 -	Parts and Supplies:	\$0
712010 -	Pumps:	\$0
D-Line		
711020 -	Parts and Supplies:	\$11,250
712010 -	Pumps:	\$10,500
S-Line		
711020 -	Parts and Supplies:	\$11,250
712010 -	Pumps:	\$10,500
610020 -	Utilities:	\$6,150
P-Line		
711020 -	Parts and Supplies:	\$0
712010 -	Pumps:	\$0
610020 -	Utilities:	\$2,214
T-Line		
711020 -	Parts and Supplies:	\$28,000
712010 -	Pumps:	\$29,400
L-Line		
711020 -	Parts and Supplies:	\$0
712010 -	Pumps:	\$0
610020 -	Utilities:	\$0
521, 522, and 639		
711020 -	Parts and Supplies:	\$0
712010 -	Pumps:	\$0
610020 -	Utilities:	\$0
	Total	\$565,961

GRANTS PROJECT
 Scenario F Closure Cost Estimate
 Costs for Life of Project
 2008 Dollars

<u>Groundwater Injection</u>		
714090 -	Outside Services:	\$14,000
711040 -	Consulting Services:	\$140,000
Deep Wells		
711020 -	Parts and Supplies:	\$49,050
712010 -	Pumps:	\$45,000
610020 -	Utilities:	\$122,754
WR-Line		
711020 -	Parts and Supplies:	\$0
M-Line		
711020 -	Parts and Supplies:	\$0
B-Line		
711020 -	Parts and Supplies:	\$11,000
C-Line		
711020 -	Parts and Supplies:	\$7,900
K-Line		
711020 -	Parts and Supplies:	\$0
J-Line		
711020 -	Parts and Supplies:	\$0
X-Line		
711020 -	Parts and Supplies:	\$8,500
G-Line		
711020 -	Parts and Supplies:	\$0
D-Line		
711020 -	Parts and Supplies:	\$11,900
T-Line		
711020 -	Parts and Supplies:	\$14,900
S-Line		
711020 -	Parts and Supplies:	\$10,700
Upper Chinle		
711020 -	Parts and Supplies:	\$0
Middle Chinle		
711020 -	Parts and Supplies:	\$0
Total		\$435,704

R.O. Plant Operations

\$7,672,943

714090 -	Outside Services:	\$126,000
711040 -	Consulting Services:	\$175,000
610020 -	Utilities:	\$1,368,884
711020 -	Parts and Supplies:	\$5,845,139
712010 -	Pumps/Starters:	\$140,000
711030 -	Water Analysis:	\$17,920
Total		\$7,672,943

In-Situ Biotesting & Remediation

\$335,885

714090 -	Outside Services:	\$1,000
711040 -	Consulting Services:	\$65,000
711020 -	Parts and Supplies:	\$251,670
712010 -	Pumps:	\$2,100
711030 -	Water Analysis:	\$16,115
Total		\$335,885

GRANTS PROJECT
Scenario F Closure Cost Estimate
Costs for Life of Project
2008 Dollars

Evaporation System Management			\$5,094,598
714090 -	Outside Services:	\$2,476,667	
711040 -	Consulting Services:	\$130,000	
711030 -	Water Analysis:	\$23,703	
610020 -	Utilities:	\$1,435,702	
	Total	\$4,066,072	
East Collection Pond			
711020 -	Parts and Supplies:	\$40,000	
	Total	\$40,000	
West Collection Pond			
711020 -	Parts and Supplies:	\$85,000	
	Total	\$85,000	
No. 1 Evaporation Pond			
711020 -	Parts and Supplies:	\$141,876	
712010 -	Pumps:	\$60,000	
	Total	\$201,876	
No. 2 & No. 3 Evaporation Ponds			
711020 -	Parts and Supplies:	\$508,650	
712010 -	Pumps:	\$193,000	
	Total	\$701,650	
Irrigation System Management			\$1,831,183
714090 -	Outside Services:	\$81,000	
711040 -	Consulting Services:	\$180,000	
711020 -	Parts and Supplies:	\$155,205	
718070 -	Vegetation Analysis:	\$58,320	
718030 -	Soil Analysis:	\$52,920	
711030 -	Water Analysis:	\$114,822	
714010 -	Driller costs:	\$47,550	
	Total	\$689,817	
Section 34 Distribution System			
711020 -	Parts and Supplies:	\$38,400	
	Total	\$38,400	
Section 34 Irrigation Supply System			
711020 -	Parts and Supplies:	\$26,100	
712010 -	Pumps:	\$63,000	
610020 -	Utilities:	\$261,990	
	Total	\$351,090	

GRANTS PROJECT
 Scenario F Closure Cost Estimate
 Costs for Life of Project
 2008 Dollars

Section 34, 35 and 3 Injection Supply System		
711020 -	Parts and Supplies:	\$0
712010 -	Pumps:	\$0
610020 -	Utilities:	\$0
	Total	\$0
Section 34, 35 and 3 Injection System		
711020 -	Parts and Supplies:	\$0
	Total	\$0
Section 33 Center Pivot		
711020 -	Parts and Supplies:	\$18,000
610020 -	Utilities:	\$16,236
	Total	\$34,236
Section 33 Distribution System		
711020 -	Parts and Supplies:	\$35,400
	Total	\$35,400
Section 33 Irrigation Supply System		
711020 -	Parts and Supplies:	\$26,100
712010 -	Pumps:	\$63,000
610020 -	Utilities:	\$218,448
	Total	\$307,548
Section 28 Center Pivot		
711020 -	Parts and Supplies:	\$18,000
610020 -	Utilities:	\$25,830
	Total	\$43,830
Section 28 Distribution System		
711020 -	Parts and Supplies:	\$38,400
	Total	\$38,400
Section 28 Irrigation Supply System		
711020 -	Parts and Supplies:	\$19,800
712010 -	Pumps:	\$31,500
610020 -	Utilities:	\$239,850
	Total	\$291,150
Section 28 Injection Supply System		
711020 -	Parts and Supplies:	\$0
712010 -	Pumps:	\$0
610020 -	Utilities:	\$1,312
	Total	\$1,312
Section 28 Injection System		
711020 -	Parts and Supplies:	\$0
	Total	\$0
Additional Irrigation Expansion		
711020 -	Parts and Supplies:	\$0
712010 -	Utilities:	\$0
	Total	\$0
Additional Irrigation Distribution System		
711020 -	Parts and Supplies:	\$0
	Total	\$0

GRANTS PROJECT
Scenario F Closure Cost Estimate
Costs for Life of Project
2008 Dollars

Additional Irrigation Supply System			
711020 -	Parts and Supplies:	\$0	
712010 -	Pumps:	\$0	
610020 -	Utilities:	\$0	
	Total	\$0	
<hr/>			
Monitoring / Regulatory	XXXXX-810-23-5200		\$1,616,464
General			\$1,225,000
<hr/>			
718900 -	NRC Fees:	\$450,000	
718025 -	Permitting Fees:	\$45,000	
711040 -	Consulting Services:	\$730,000	
	Total	\$1,225,000	
<hr/>			
Air / Weather Monitoring			\$86,472
<hr/>			
714090 -	Outside Services:	\$49,500	
711020 -	Parts and Supplies:	\$4,500	
610020 -	Utilities:	\$32,472	
	Total	\$86,472	
<hr/>			
Radiation Monitoring			\$268,992
<hr/>			
714090 -	Outside Services:	\$18,000	
711020 -	Parts and Supplies:	\$118,494	
718030 -	Lab Fees:	\$81,144	
610020 -	Utilities:	\$24,354	
711040 -	Radiation Training:	\$27,000	
	Total	\$268,992	
<hr/>			
Settlement Monument Monitoring			\$36,000
<hr/>			
714090 -	Outside Services:	\$36,000	
	Total	\$36,000	
<hr/>			
HOLDING	XXXXX-811-23-5300		\$414,000
Land			\$414,000
<hr/>			
790060-	Land Purchase	\$0	
790090-	Land Rental	\$0	
790110-	Title commitment policy costs	\$0	
790010-	Appraisal	\$0	
790120-	Land improvements	\$54,000	
623010-	Property tax	\$225,000	
790120-	Surveying / Mapping	\$135,000	
	Total	\$414,000	
<hr/>			
SECURITY & MAINTENANCE	XXXXX-811-23-5400		\$36,000
Land & Structures			\$36,000
<hr/>			
717030-	Surveillance	\$36,000	
	Total	\$36,000	

GRANTS PROJECT
Scenario F Closure Cost Estimate
Costs for Life of Project
2008 Dollars

SEVERANCE AND RELOCATION XXXXX-XXX-XX-XXXX		\$0
<hr/> Severance and Relocation		\$0
717030-	Severance and Relocation	\$0
	Total	\$0
<hr/> GENERAL & ADMIN. XXXXX-810-23-5500		\$7,969,241
<hr/> Salaries & Benefits		\$6,907,241
600000-	Salaries - General	\$2,423,250
600040-	Benefits - General	\$1,009,115
600001-	Salaries - Groundwater	\$2,328,300
600040-	Benefits - Groundwater	\$969,575
600050-	Temporary labor	\$177,000
601060-	Workerman's compensation	\$0
601130-	Memberships	\$0
601140-	Seminars & training (employees)	\$0
603000-	Employee relations	\$0
	Total	\$6,907,241
<hr/> General Office Costs		\$112,500
622000-	Stationery & supplies	\$45,000
622010-	Kitchen supplies	\$18,000
622040-	Publications & subscriptions	\$0
622050-	Miscellaneous	\$13,500
622050-	Misc. Computer Hardware	\$36,000
622070-	Lunch / Dinners	\$0
	Total	\$112,500
<hr/> Occupancy Costs		\$90,000
610030-	Office - Other	\$90,000
	Total	\$90,000
<hr/> Communication Costs		\$261,000
620010-	Telecommunications	\$108,000
620060-	Postage	\$18,000
620070-	Courier services	\$90,000
620080-	Data line access	\$45,000
	Total	\$261,000
<hr/> Data Processing Costs		\$99,000
621000-	Equipment rental / leases	\$81,000
621020-	Computer software	\$18,000
	Total	\$99,000
<hr/> Taxes, Licenses, and Fees		\$13,500
623000-	Office - Other	\$13,500
	Total	\$13,500
<hr/> Insurance		\$216,000
624040-	Insurance	\$216,000
	Total	\$216,000

GRANTS PROJECT
 Scenario F Closure Cost Estimate
 Costs for Life of Project
 2008 Dollars

Travel and Accommodation			\$0
640000-	Travel - Air	\$0	
640020-	Travel - Accommodation	\$0	
640030-	Travel - Taxis	\$0	
640050-	Travel - Gas	\$0	
640060-	Travel - Meals	\$0	
	Total	\$0	
Professional Fees			\$135,000
670000-	Legal fees	\$135,000	
	Total	\$135,000	
Outside Services			\$135,000
714090-	W/C Admin.	\$135,000	
	Total	\$135,000	
TOTAL LONG-TERM CARE AND MAINTENANCE COSTS			\$28,796,335
INCOME			\$0
TOTAL EXPENSES LESS INCOME			\$42,774,801

GRANTS PROJECT
Scenario F Closure Cost Estimate
Estimated Costs Per Year
2009 Through Completion

TAILINGS FACILITY CLOSURE / RECLAMATION XXXXXX-810-23-3600		2009	2010	2011	2012	2013	2014	2015	2016	2017	Total
711040 - Consulting:		0	0	0	0	393,793	0	0	157,403	634,382	1,185,579
714090 - Outside Services:		25,000	25,000	25,000	25,000	5,460,910	0	750,000	675,918	5,626,521	12,613,350
<i>Total Closure/Reclamation</i>		25,000	25,000	25,000	25,000	5,854,704	0	750,000	833,321	6,260,904	13,798,929
ON-SITE DEMOLITION XXXXXX-810-23-3300											
711040 - Consulting:		0	0	0	0	0	0	0	0	33,321	33,321
714090 - Outside Services:		0	0	0	0	0	0	0	0	146,216	146,216
<i>Total Demolition</i>		0	0	0	0	0	0	0	0	179,537	179,537
WATER TREATMENT XXXXXX-810-23-5100											
-General-											
717050 - Fuel:		21,114	21,114	21,114	21,114	21,114	21,114	21,114	21,114	21,114	190,024
718010 - Freight and Transportation:		5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	45,000
717060 - Equipment Expenses:		34,110	34,110	38,110	34,110	34,110	38,110	34,110	34,110	34,110	314,990
717075 - Vehicle Expenses:		62,000	62,000	74,000	50,000	38,000	38,000	38,000	24,000	22,000	408,000
610020 - Utilities:		36,152	36,152	36,152	36,152	36,152	36,152	36,152	36,152	36,152	325,372
<i>Total</i>		158,376	158,376	174,376	148,376	134,376	138,376	134,376	120,376	118,376	1,283,386
-Tailings Water Management-											
711030 - Water Analysis:		8,838	8,838	8,838	8,838	775	775	775	775	0	38,450
714010 - Driller costs:		8,000	8,000	8,000	4,000	204,500	0	0	4,300	20,800	257,600
610020 - Utilities:		2008	1869	1731	1454	0	0	0	0	0	7061
<i>Subtotal</i>		18,845	18,707	18,568	14,291	205,275	775	775	5,075	20,800	303,111
Tailings Collection											
714090 - Outside Services:		17000	17000	17000	17000	0	0	0	0	0	68000
711040 - Consulting Services:		15000	15000	15000	15000	0	0	0	0	0	60000
711020 - Parts and Supplies:		29000	29000	29000	14250	0	0	0	0	0	101250
712010 - Pumps:		15000	15000	15000	10000	0	0	0	0	0	55000
<i>Subtotal</i>		76,000	76,000	76,000	56,250	0	0	0	0	0	284,250

GRANTS PROJECT
Scenario F Closure Cost Estimate
Estimated Costs Per Year
2009 Through Completion

WATER TREATMENT (Cont.) XXXXXX-810-23-5100		2009	2010	2011	2012	2013	2014	2015	2016	2017	Total
Toe Drains and Sumps Collection											
711040 - Consulting Services:		5,000	5,000	5,000	5,000	0	0	0	0	0	20,000
714090 - Outside Services:		1,500	1,500	1,500	1,500	0	0	0	0	0	6,000
711020 - Parts and Supplies:		2,600	2,600	2,600	2,600	0	0	0	0	0	10,400
712010 - Pumps:		310	310	310	310	0	0	0	0	0	1,240
Subtotal		9,410	9,410	9,410	9,410	0	0	0	0	0	37,640
Tailings Flushing System											
711040 - Consulting Services:		15,000	15,000	15,000	0	0	0	0	0	0	45,000
714090 - Outside Services:		3,000	3,000	3,000	0	0	0	0	0	0	9,000
Injection System											
711020 - Parts and Supplies:		0	0	0	0	0	0	0	0	0	0
Injection Supply System											
711020 - Parts and Supplies:		0	0	0	0	0	0	0	0	0	0
712010 - Pumps:		2,100	0	2,100	0	0	0	0	0	0	4,200
610020 - Utilities:		35,260	35,260	35,260	0	0	0	0	0	0	105,780
Subtotal		55,360	53,260	55,360	0	0	0	0	0	0	163,980
Total		159,615	157,377	159,338	78,951	205,275	775	775	5,075	20,800	788,981
-Groundwater Management-											
711030 - Water Analysis:		32,419	32,419	32,419	32,419	32,419	32,419	32,419	20,329	9,683	256,941
714010 - Driller costs:		27,650	20,350	20,350	20,350	20,350	2,100	2,100	135,000	174,800	495,050
Subtotal		60,069	52,769	52,769	52,769	52,769	34,519	34,519	155,329	184,483	751,991
Groundwater Collection											
714090 - Outside Services:		19,000	19,000	19,000	19,000	19,000	19,000	19,000	0	0	133,000
711040 - Consulting Services:		20,000	20,000	20,000	20,000	20,000	20,000	20,000	0	0	140,000
610020 - Utilities:		22,306	22,306	22,306	22,306	22,306	19,998	19,998	0	0	151,525
C-Line											
711020 - Parts and Supplies:		0	0	0	0	0	0	0	0	0	0
712010 - Pumps:		0	0	0	0	0	0	0	0	0	0
K-Line											
711020 - Parts and Supplies:		2,250	2,250	2,250	2,250	2,250	2,250	2,250	0	0	15,750
712010 - Pumps:		2,100	2,100	2,100	2,100	2,100	2,100	2,100	0	0	14,700
610020 - Utilities:		246	246	246	246	246	246	246	0	0	1,722
B-Line											
711020 - Parts and Supplies:		0	0	0	0	0	0	0	0	0	0
712010 - Pumps:		0	0	0	0	0	0	0	0	0	0
D-Line											
711020 - Parts and Supplies:		2,250	2,250	2,250	2,250	2,250	0	0	0	0	11,250
712010 - Pumps:		2,100	2,100	2,100	2,100	2,100	0	0	0	0	10,500

GRANTS PROJECT
Scenario F Closure Cost Estimate
Estimated Costs Per Year
2009 Through Completion

WATER TREATMENT (Cont.) XXXXXX-810-23-5100		2009	2010	2011	2012	2013	2014	2015	2016	2017	Total
S-Line											
711020 -	Parts and Supplies:	2,250	2,250	2,250	2,250	2,250	0	0	0	0	11,250
712010 -	Pumps:	2,100	2,100	2,100	2,100	2,100	0	0	0	0	10,500
610020 -	Utilities:	1,230	1,230	1,230	1,230	1,230	0	0	0	0	6,150
P-Line											
711020 -	Parts and Supplies:	0	0	0	0	0	0	0	0	0	0
712010 -	Pumps:	0	0	0	0	0	0	0	0	0	0
610020 -	Utilities:	246	246	246	246	246	246	246	246	246	2,214
T-Line											
711020 -	Parts and Supplies:	4,000	4,000	4,000	4,000	4,000	4,000	4,000	0	0	28,000
712010 -	Pumps:	4,200	4,200	4,200	4,200	4,200	4,200	4,200	0	0	29,400
L-Line											
711020 -	Parts and Supplies:	0	0	0	0	0	0	0	0	0	0
712010 -	Pumps:	0	0	0	0	0	0	0	0	0	0
610020 -	Utilities:	0	0	0	0	0	0	0	0	0	0
521, 522, and 639											
711020 -	Parts and Supplies:	0	0	0	0	0	0	0	0	0	0
712010 -	Pumps:	0	0	0	0	0	0	0	0	0	0
610020 -	Utilities:	0	0	0	0	0	0	0	0	0	0
Subtotal		84,278	84,278	84,278	84,278	84,278	72,040	72,040	246	246	565,961
Groundwater Injection											
714090 -	Outside Services:	2,000	2,000	2,000	2,000	2,000	2,000	2,000	0	0	14,000
711040 -	Consulting Services:	20,000	20,000	20,000	20,000	20,000	20,000	20,000	0	0	140,000
Deep Wells											
711020 -	Parts and Supplies:	5,450	5,450	5,450	5,450	5,450	5,450	5,450	5,450	5,450	49,050
712010 -	Pumps:	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	45,000
610020 -	Utilities:	23,895	23,895	23,895	8,512	8,512	8,512	8,512	8,512	8,512	122,754
WR-Line											
711020 -	Parts and Supplies:	0	0	0	0	0	0	0	0	0	0
M-Line											
711020 -	Parts and Supplies:	0	0	0	0	0	0	0	0	0	0
B-Line											
711020 -	Parts and Supplies:	2,200	2,200	2,200	2,200	2,200	0	0	0	0	11,000
C-Line											
711020 -	Parts and Supplies:	1,700	1,700	1,700	1,700	1,100	0	0	0	0	7,900
K-Line											
711020 -	Parts and Supplies:	0	0	0	0	0	0	0	0	0	0
J-Line											
711020 -	Parts and Supplies:	0	0	0	0	0	0	0	0	0	0
X-Line											
711020 -	Parts and Supplies:	1,700	1,700	1,700	1,700	1,700	0	0	0	0	8,500
G-Line											
711020 -	Parts and Supplies:	0	0	0	0	0	0	0	0	0	0
D-Line											
711020 -	Parts and Supplies:	1,700	1,700	1,700	1,700	1,700	1,700	1,700	0	0	11,900
T-Line											
711020 -	Parts and Supplies:	2,300	2,300	2,300	2,300	2,300	2,300	1,100	0	0	14,900
S-Line											
711020 -	Parts and Supplies:	1,700	1,700	1,700	1,700	1,700	1,100	1,100	0	0	10,700
Upper Chinle											
711020 -	Parts and Supplies:	0	0	0	0	0	0	0	0	0	0

GRANTS PROJECT
Scenario F Closure Cost Estimate
Estimated Costs Per Year
2009 Through Completion

WATER TREATMENT (Cont.) XXXXXX-810-23-5100		2009	2010	2011	2012	2013	2014	2015	2016	2017	Total
Middle Chinle											
711020 - Parts and Supplies:		0	0	0	0	0	0	0	0	0	0
<i>Subtotal</i>		67,645	67,645	67,645	52,262	51,662	46,062	44,862	18,962	18,962	435,704
<i>Total</i>		211,991	204,691	204,691	189,308	188,708	152,620	151,420	174,537	203,690	1,753,656
R.O. Plant Operations											
714090 - Outside Services:		18,000	18,000	18,000	18,000	18,000	18,000	18,000	0	0	126,000
711040 - Consulting Services:		25,000	25,000	25,000	25,000	25,000	25,000	25,000	0	0	175,000
610020 - Utilities:		193,966	193,966	193,966	193,966	193,966	193,966	193,966	5,562	5,562	1,368,884
711020 - Parts and Supplies:		835,020	835,020	835,020	835,020	835,020	835,020	835,020	0	0	5,845,139
712010 - Pumps/Starters:		20,000	20,000	20,000	20,000	20,000	20,000	20,000	0	0	140,000
711030 - Water Analysis:		2,560	2,560	2,560	2,560	2,560	2,560	2,560	0	0	17,920
<i>Total</i>		1,094,545	1,094,545	1,094,545	1,094,545	1,094,545	1,094,545	1,094,545	5,562	5,562	7,672,943
In-Situ Biotesting											
714090 - Outside Services:		1,000	0	0	0	0	0	0	0	0	1,000
711040 - Consulting Services:		65,000	0	0	0	0	0	0	0	0	65,000
711020 - Parts and Supplies:		251,670	0	0	0	0	0	0	0	0	251,670
712010 - Pumps:		2,100	0	0	0	0	0	0	0	0	2,100
711030 - Water Analysis:		16,115	0	0	0	0	0	0	0	0	16,115
<i>Total</i>		335,885	0	0	0	0	0	0	0	0	335,885
--Evaporation System Management--											
714090 - Outside Services:		2,265,667	32,000	27,000	32,000	27,000	27,000	32,000	27,000	7,000	2,476,667
711040 - Consulting Services:		10,000	30,000	10,000	10,000	10,000	30,000	10,000	10,000	10,000	130,000
711030 - Water Analysis:		3,166	3,166	3,166	3,166	3,166	3,166	3,166	1,544	0	23,703
610020 - Utilities:		253,166	253,166	253,166	253,166	115,374	115,374	115,374	76,916	0	1,435,702
<i>Subtotal</i>		2,531,999	318,331	293,331	298,331	155,540	175,540	160,540	115,460	17,000	4,066,072
East Collection Pond											
711020 - Parts and Supplies:		5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	0	40,000
<i>Subtotal</i>		5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	0	40,000
West Collection Pond											
711020 - Parts and Supplies:		5,000	5,000	5,000	50,000	5,000	5,000	5,000	5,000	0	85,000
<i>Subtotal</i>		5,000	5,000	5,000	50,000	5,000	5,000	5,000	5,000	0	85,000

GRANTS PROJECT
Scenario F Closure Cost Estimate
Estimated Costs Per Year
2009 Through Completion

WATER TREATMENT (Cont.) XXXXXX-810-23-5100	2009	2010	2011	2012	2013	2014	2015	2016	2017	Total
No. 1 Evaporation Pond										
711020 - Parts and Supplies:	35,469	35,469	35,469	35,469	0	0	0	0	0	141,876
712010 - Pumps:	15,000	15,000	15,000	15,000	0	0	0	0	0	60,000
<i>Subtotal</i>	50,469	50,469	50,469	50,469	0	0	0	0	0	201,876
No. 2 & No. 3 Evaporation Ponds										
711020 - Parts and Supplies:	99,940	64,410	55,050	62,050	55,050	62,050	55,050	55,050	0	508,650
712010 - Pumps:	29,000	24,000	26,000	24,000	26,000	24,000	26,000	14,000	0	193,000
<i>Subtotal</i>	128,940	88,410	81,050	86,050	81,050	86,050	81,050	69,050	0	701,650
<i>Total</i>	2,721,408	467,210	434,850	489,850	246,590	271,580	251,590	194,510	17,000	5,094,598
-Irrigation System Management-										
714090 - Outside Services:	9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000	81,000
711040 - Consulting Services:	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	180,000
711020 - Parts and Supplies:	17,245	17,245	17,245	17,245	17,245	17,245	17,245	17,245	17,245	155,205
718070 - Vegetation Analysis:	6,480	6,480	6,480	6,480	6,480	6,480	6,480	6,480	6,480	58,320
718030 - Soil Analysis:	5,880	5,880	5,880	5,880	5,880	5,880	5,880	5,880	5,880	52,920
711030 - Water Analysis:	12,758	12,758	12,758	12,758	12,758	12,758	12,758	12,758	12,758	114,822
714010 - Driller costs:	5,750	5,750	5,750	5,750	5,750	5,750	5,750	3,650	3,650	47,550
<i>Subtotal</i>	77,113	77,113	77,113	77,113	77,113	77,113	77,113	75,013	75,013	689,817
Section 34 Flood Irrigation										
Section 34 Distribution System										
711020 - Parts and Supplies:	2,600	5,600	2,600	5,600	2,600	5,600	2,600	5,600	5,600	38,400
Section 34 Irrigation Supply System										
711020 - Parts and Supplies:	2,900	2,900	2,900	2,900	2,900	2,900	2,900	2,900	2,900	26,100
712010 - Pumps:	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	63,000
610020 - Utilities:	29,110	29,110	29,110	29,110	29,110	29,110	29,110	29,110	29,110	261,990
Section 34 Injection Supply System										
711020 - Parts and Supplies:	0	0	0	0	0	0	0	0	0	0
712010 - Pumps:	0	0	0	0	0	0	0	0	0	0
610020 - Utilities:	0	0	0	0	0	0	0	0	0	0
Section 34 Injection System										
711020 - Parts and Supplies:	0	0	0	0	0	0	0	0	0	0
<i>Subtotal</i>	41,610	44,610	41,610	44,610	41,610	44,610	41,610	44,610	44,610	389,480
Section 33 Center Pivot Irrigation										
Section 33 Center Pivot										
711020 - Parts and Supplies:	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	18,000
610020 - Utilities:	1,804	1,804	1,804	1,804	1,804	1,804	1,804	1,804	1,804	16,236
Section 33 Distribution System										
711020 - Parts and Supplies:	2,600	5,600	2,600	5,600	2,600	5,600	2,600	5,600	2,600	35,400
Section 33 Irrigation Supply System										
711020 - Parts and Supplies:	2,900	2,900	2,900	2,900	2,900	2,900	2,900	2,900	2,900	26,100
712010 - Pumps:	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	63,000
610020 - Utilities:	24,272	24,272	24,272	24,272	24,272	24,272	24,272	24,272	24,272	218,448
<i>Subtotal</i>	40,576	43,576	40,576	43,576	40,576	43,576	40,576	43,576	40,576	377,184

GRANTS PROJECT
Scenario F Closure Cost Estimate
Estimated Costs Per Year
2009 Through Completion

WATER TREATMENT (Cont.)

XXXXXX-810-23-5100

	2009	2010	2011	2012	2013	2014	2015	2016	2017	Total
Section 28 Center Pivot Irrigation										
<u>Section 28 Center Pivot</u>										
711020 - Parts and Supplies:	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	18,000
610020 - Utilities:	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	25,830
<u>Section 28 Distribution System</u>										
711020 - Parts and Supplies:	2,600	5,600	2,600	5,600	2,600	5,600	2,600	5,600	5,600	38,400
<u>Section 28 Irrigation Supply System</u>										
711020 - Parts and Supplies:	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200	19,800
712010 - Pumps:	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	31,500
610020 - Utilities:	26,650	26,650	26,650	26,650	26,650	26,650	26,650	26,650	26,650	239,850
<u>Section 28 Injection Supply System</u>										
711020 - Parts and Supplies:	0	0	0	0	0	0	0	0	0	0
712010 - Pumps:	0	0	0	0	0	0	0	0	0	0
610020 - Utilities:	164	164	164	164	164	164	164	164	0	1,312
<u>Section 28 Injection System</u>										
711020 - Parts and Supplies:	0	0	0	0	0	0	0	0	0	0
Subtotal	39,984	42,984	39,984	42,984	39,984	42,984	39,984	42,984	42,820	374,692
Additional Center Pivot Irrigation										
<u>Additional Irrigation Expansion</u>										
711020 - Parts and Supplies:	0	0	0	0	0	0	0	0	0	0
610020 - Utilities:	0	0	0	0	0	0	0	0	0	0
<u>Additional Irrigation Distribution System</u>										
711020 - Parts and Supplies:	0	0	0	0	0	0	0	0	0	0
<u>Additional Irrigation Supply System</u>										
711020 - Parts and Supplies:	0	0	0	0	0	0	0	0	0	0
712010 - Pumps:	0	0	0	0	0	0	0	0	0	0
610020 - Utilities:	0	0	0	0	0	0	0	0	0	0
Subtotal	0	0	0	0						
Total	199,283	208,283	199,283	208,283	199,283	208,283	199,283	206,183	203,019	1,831,183
Total Water Treatment	4,881,103	2,290,483	2,267,084	2,208,314	2,068,777	1,866,189	1,831,989	706,243	568,448	18,760,630

GRANTS PROJECT
Scenario F Closure Cost Estimate
Estimated Costs Per Year
2009 Through Completion

MONITORING/REGULATORY XXXXXX-810-23-5200		2009	2010	2011	2012	2013	2014	2015	2016	2017	Total
--General--											
718900 - NRC Fees:		50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	450,000
718025 - Permitting Fees:		5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	45,000
711040 - Consulting Services:		70,000	90,000	100,000	70,000	70,000	70,000	90,000	100,000	70,000	730,000
Total		125,000	145,000	155,000	125,000	125,000	125,000	145,000	155,000	125,000	1,225,000
--Air / Weather Monitoring--											
714090 - Outside Services:		5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500	49,500
711020 - Parts and Supplies:		500	500	500	500	500	500	500	500	500	4,500
610020 - Utilities:		3,608	3,608	3,608	3,608	3,608	3,608	3,608	3,608	3,608	32,472
Total		9,608	86,472								
--Radiation Monitoring--											
714090 - Outside Services:		2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	18,000
711020 - Parts and Supplies:		13,166	13,166	13,166	13,166	13,166	13,166	13,166	13,166	13,166	118,494
718030 - Lab Fees:		9,016	9,016	9,016	9,016	9,016	9,016	9,016	9,016	9,016	81,144
610020 - Utilities:		2,706	2,706	2,706	2,706	2,706	2,706	2,706	2,706	2,706	24,354
711040 - Radiation Training:		3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	27,000
Total		29,888	268,992								
--Settlement Monument Monitoring--											
714090 - Outside Services:		9,000	9,000	9,000	9,000	0	0	0	0	0	36,000
Total		9,000	9,000	9,000	9,000	0	0	0	0	0	36,000
Total Monitoring/Regulatory		173,486	193,486	203,486	173,486	164,486	164,486	184,486	194,486	164,486	1,618,464

GRANTS PROJECT
Scenario F Closure Cost Estimate
Estimated Costs Per Year
2009 Through Completion

HOLDING XXXXXX-811-23-5300		2009	2010	2011	2012	2013	2014	2015	2016	2017	Total
-Land-											
790060 - Land Purchase:		0	0	0	0	0	0	0	0	0	0
790090 - Land Rental:		0	0	0	0	0	0	0	0	0	0
790110 - Title Commitment Policy:		0	0	0	0	0	0	0	0	0	0
790010 - Appraisal :		0	0	0	0	0	0	0	0	0	0
790120 - Land Improvements:		6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	54,000
623010 - Property Tax:		25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	225,000
790120 - Surveying / Mapping:		15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	135,000
<i>Total Holding</i>		46,000	414,000								

SECURITY AND MAINTENANCE XXXXXX-811-23-5400		2009	2010	2011	2012	2013	2014	2015	2016	2017	Total
-Land and Structures-											
717030 - Surveillance:		4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	36,000
<i>Total Security/Maintenance</i>		4,000	36,000								

SEVERANCE AND RELOCATION XXXXXX-XXX-XX-XXXX		2009	2010	2011	2012	2013	2014	2015	2016	2017	Total
--Severance and Relocation--											
xxxxxx - Severance and Relocation:		0	0	0	0	0	0	0	0	0	0
<i>Total Severance/Relocation</i>		0									

GRANTS PROJECT
Scenario F Closure Cost Estimate
Estimated Costs Per Year
2009 Through Completion

GENERAL AND ADMIN.
XXXXXX-811-23-6500

	2009	2010	2011	2012	2013	2014	2015	2016	2017	Total
-Salaries and Benefits-										
600000 - Salaries - General:	269,250	269,250	269,250	269,250	269,250	269,250	269,250	269,250	269,250	2,423,250
600040 - Benefits - General:	112,124	112,124	112,124	112,124	112,124	112,124	112,124	112,124	112,124	1,009,115
600001 - Salaries - Groundwater:	284,040	284,040	284,040	284,040	284,040	246,030	246,030	208,020	208,020	2,328,300
600040 - Benefits - Groundwater:	118,283	118,283	118,283	118,283	118,283	102,454	102,454	86,626	86,626	969,575
600050 - Temporary Labor:	15,000	15,000	15,000	15,000	36,000	15,000	15,000	15,000	36,000	177,000
601060 - Workman's Compensation:	0	0	0	0	0	0	0	0	0	0
601130 - Memberships:	0	0	0	0	0	0	0	0	0	0
601140 - Seminars and Training:	0	0	0	0	0	0	0	0	0	0
603000 - Employee Relations:	0	0	0	0	0	0	0	0	0	0
Total	798,697	798,697	798,697	798,697	819,697	744,858	744,858	691,020	712,020	6,907,241
-General Office Costs-										
622000 - Stationary & Supplies:	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	45,000
622010 - Kitchen Supplies:	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	18,000
622040 - Publications & Subscriptions:	0	0	0	0	0	0	0	0	0	0
622050 - Miscellaneous:	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	13,500
622050 - Misc. Computer Hardware:	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	36,000
622070 - Lunch / Dinners:	0	0	0	0	0	0	0	0	0	0
Total	12,500	112,500								
-Occupancy Costs-										
610030 - Office - Other:	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	90,000
Total	10,000	90,000								
-Communication Costs-										
620010 - Telecommunications:	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	108,000
620060 - Postage:	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	18,000
620070 - Courier Services:	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	90,000
620080 - Data Line Access:	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	45,000
Total	29,000	28,000	29,000	28,000	28,000	28,000	29,000	29,000	29,000	281,000
-Data Processing Costs-										
621000 - Equipment Rental / Leases:	9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000	81,000
621020 - Computer Software:	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	18,000
Total	11,000	99,000								
-Taxes, Licenses, and Fees-										
623000 - Office - Other:	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	13,500
Total	1,500	13,500								
-Insurance-										
624040 - Insurance:	24,000	24,000	24,000	24,000	24,000	24,000	24,000	24,000	24,000	216,000
Total	24,000	216,000								

GRANTS PROJECT
 Scenario F Closure Cost Estimate
 Estimated Costs Per Year
 2009 Through Completion

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

	2009	2010	2011	2012	2013	2014	2015	2016	2017	Total
--Travel and Accommodation--										
640000 - Travel - Air:	0	0	0	0	0	0	0	0	0	0
640020 - Travel - Accommodation:	0	0	0	0	0	0	0	0	0	0
640030 - Travel - Taxis:	0	0	0	0	0	0	0	0	0	0
640050 - Travel - Gas:	0	0	0	0	0	0	0	0	0	0
640060 - Travel - Meals:	0	0	0	0	0	0	0	0	0	0
<i>Total</i>	0	0	0	0	0	0	0	0	0	0
--Professional Fees--										
670000 - Legal Fees:	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	135,000
<i>Total</i>	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	135,000
--Outside Services--										
714090 - General Outside Services	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	135,000
<i>Total</i>	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	135,000
<i>Total General/Admin.</i>	916,697	916,697	916,697	916,697	937,697	862,858	862,858	809,020	830,020	7,969,241
<i>Grand Total</i>	6,046,296	3,475,675	3,462,277	3,373,507	9,075,673	2,943,544	3,679,344	2,593,080	8,053,404	42,774,801

MISCELLANEOUS INCOME
XXXXXX-XXX-XX-XXXX

	2009	2010	2011	2012	2013	2014	2015	2016	2017	Total
--Misc. Income--										
499000 - Misc. Income:	0	0	0	0	0	0	0	0	0	0
<i>Total Misc. Income.</i>	0	0	0	0	0	0	0	0	0	0

GRANTS PROJECT
 Scenario F Closure Cost Estimate
 Estimated Costs Per Year
 2009 Through Completion

TAILINGS FACILITY CLOSURE / RECLAMATION XXXXXX-810-23-3600	2009	2010	2011	2012	2013	2014	2015	2016	2017	Total
711040 - Consulting:	0	0	0	0	393,793	0	0	157,403	634,382	1,185,579
Large Tailings Pile Closure -	0	0	0	0	393,793	0	0	0	0	393,793
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	0	0	0	157,403	634,382	791,785
Review of Physical Reclamation -	0	0	0	0	0	0	0	0	0	0
714090 - Outside Services:	25,000	25,000	25,000	25,000	5,480,910	0	750,000	675,918	5,626,521	12,613,350
Large Tailings Pile Closure -	0	0	0	0	5,438,192	0	0	0	0	5,438,192
Current Reclamation Repairs -	25,000	25,000	25,000	25,000	0	0	750,000	0	0	850,000
Pond Closure -	0	0	0	0	0	0	0	675,918	2,350,581	3,026,499
Small Tailings Pile Closure -	0	0	0	0	0	0	0	0	3,083,704	3,083,704
R.O. Plant Demolition -	0	0	0	0	0	0	0	0	169,518	169,518
Radiological Survey and Environmental Monitoring -	0	0	0	0	22,719	0	0	0	22,719	45,438
Total Closure/Reclamation	25,000	25,000	25,000	25,000	5,854,704	0	750,000	833,321	6,260,904	13,798,929

GRANTS PROJECT
 Scenario F Closure Cost Estimate
 Estimated Costs Per Year
 2009 Through Completion

ON-SITE DEMOLITION
 XXXXXX-810-23-3300

	2009	2010	2011	2012	2013	2014	2015	2016	2017	Total
711040 - Consulting:	0	0	0	0	0	0	0	0	33,321	33,321
Engineering Design / QAQC -	0	0	0	0	0	0	0	0	33,321	33,321
714080 - Outside Services:	0	0	0	0	0	0	0	0	146,216	146,216
Demolition / Cleanup -	0	0	0	0	0	0	0	0	146,216	146,216
<i>Total Demolition</i>	0	0	0	0	0	0	0	0	179,537	179,537

GRANTS PROJECT
Scenario F Closure Cost Estimate
Estimated Costs Per Year
2009 Through Completion

WATER TREATMENT XXXXXX-810-23-5100		2009	2010	2011	2012	2013	2014	2015	2016	2017	Total
--General--											
717050 - Fuel:		21,114	21,114	21,114	21,114	21,114	21,114	21,114	21,114	21,114	190,024
	Diesel -	7,273	7,273	7,273	7,273	7,273	7,273	7,273	7,273	7,273	65,458
	Gas -	13,841	13,841	13,841	13,841	13,841	13,841	13,841	13,841	13,841	124,566
718010 - Freight and Transportation:		5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	45,000
717060 - Equipment Expenses:		34,110	34,110	34,110	34,110	34,110	34,110	34,110	34,110	34,110	314,990
	Crane -	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	18,000
	Loader -	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	31,500
	Backhoe -	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	36,000
	Cat Dozer -	6,610	6,610	6,610	6,610	6,610	6,610	6,610	6,610	6,610	59,490
	Large Forklift -	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	31,500
	Small Forklift -	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	22,500
	Compressor -	500	500	500	500	500	500	500	500	500	4,500
	Onan Small Generator -	500	500	500	500	500	500	500	500	500	4,500
	New Generator -	500	500	500	500	500	500	500	500	500	4,500
	HDPE Fusion Machines -	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	13,500
	Pump Unit -	0	0	4,000	0	0	4,000	0	0	0	8,000
	Misc. Equipment Rental -	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	63,000
	All Other Equipment -	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	18,000
717075 - Vehicle Expenses:		62,000	62,000	74,000	50,000	38,000	38,000	38,000	24,000	22,000	408,000
	Vehicle Maintenance and Repair	14,000	14,000	14,000	14,000	14,000	14,000	14,000	12,000	10,000	120,000
	Truck Leasing -	36,000	36,000	48,000	24,000	12,000	12,000	12,000	0	0	180,000
	Support Vehicle Leasing -	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	108,000
810020 - Utilities:		36,152	36,152	36,152	36,152	36,152	36,152	36,152	36,152	36,152	325,372
	Electrical Meter 453097200 -	9,430	9,430	9,430	9,430	9,430	9,430	9,430	9,430	9,430	84,870
	Electrical Meter 453283402 -	0	0	0	0	0	0	0	0	0	0
	Electrical Meter 453283302 -	0	0	0	0	0	0	0	0	0	0
	Electrical Meter 806480500 -	98	98	98	98	98	98	98	98	98	886
	Natural Gas Meter 0812933 -	26,624	26,624	26,624	26,624	26,624	26,624	26,624	26,624	26,624	239,616
	Natural Gas Meter 0814134 -	0	0	0	0	0	0	0	0	0	0
	Total	158,376	158,376	174,376	146,376	134,376	138,376	134,376	120,376	118,376	1,283,386
--Tailings Water Management--											
711030 - Water Analysis:		8,838	8,838	8,838	8,838	775	775	775	775	0	38,450
	A-list	0	0	0	0	0	0	0	0	0	0
	B-list	5,100	5,100	5,100	5,100	0	0	0	0	0	20,400
	C-list	0	0	0	0	0	0	0	0	0	0
	D-list	0	0	0	0	0	0	0	0	0	0
	E-list	0	0	0	0	0	0	0	0	0	0
	F-list	0	0	0	0	0	0	0	0	0	0
	G-list	715	715	715	715	0	0	0	0	0	2,860
	H-list	3,023	3,023	3,023	3,023	775	775	775	775	0	15,190
	I-list	0	0	0	0	0	0	0	0	0	0
	J-list	0	0	0	0	0	0	0	0	0	0

GRANTS PROJECT
Scenario F Closure Cost Estimate
Estimated Costs Per Year
2009 Through Completion

WATER TREATMENT (Cont.) XXXXXX-810-23-5100		2009	2010	2011	2012	2013	2014	2015	2016	2017	Total
714010 - Driller costs:		8,000	8,000	8,000	4,800	204,500	0	0	4,300	20,800	257,600
	New Tailings Wells -	0	0	0	0	0	0	0	0	0	0
	Tailings Well Development -	8,000	8,000	8,000	4,000	0	0	0	0	0	28,000
	5" Tailings Well/Sump Abandonment -	0	0	0	0	137,600	0	0	3,200	0	140,800
	2" Tailings Well Abandonment -	0	0	0	0	47,300	0	0	1,100	0	48,400
	Perched Alluvial Well Abandonment -	0	0	0	0	19,600	0	0	0	0	19,600
	U. Chinle Well Development -	0	0	0	0	0	0	0	0	0	0
	U. Chinle Well Abandonment -	0	0	0	0	0	0	0	0	11700	11700
	M. Chinle Well Development -	0	0	0	0	0	0	0	0	0	0
	M. Chinle Well Abandonment -	0	0	0	0	0	0	0	0	9100	9100
610020 - Utilities:		2008	1869	1731	1454	0	0	0	0	0	7061
	Electrical Meter 453180401 -	2008	1869	1731	1454	0	0	0	0	0	7061
	Electrical Meter 453086900 -	0	0	0	0	0	0	0	0	0	0
	Subtotal	18,845	18,707	18,568	14,291	205,275	775	775	5,075	20,800	303,111
Tailings Collection											
714090 - Outside Services:		17000	17000	17000	17000	0	0	0	0	0	88000
	City Electric -	2000	2000	2000	2000	0	0	0	0	0	8000
	Northwest Geophysical -	7000	7000	7000	7000	0	0	0	0	0	28000
	Surveyor -	0	0	0	0	0	0	0	0	0	0
	Pump/motor repair -	8000	8000	8000	8000	0	0	0	0	0	32000
711040 - Consulting Services:		15000	15000	15000	15000	0	0	0	0	0	60000
	Hydrologist/Engineer -	15000	15000	15000	15000	0	0	0	0	0	60000
711020 - Parts and Supplies:		29000	29000	29000	14250	0	0	0	0	0	101250
	Collection Wellhead Materials -	10000	10000	10000	5000	0	0	0	0	0	35000
	Piping and Fittings -	4000	4000	4000	2000	0	0	0	0	0	14000
	Valves -	4000	4000	4000	2000	0	0	0	0	0	14000
	Meters -	1000	1000	1000	250	0	0	0	0	0	3250
	Electrical System Parts -	10000	10000	10000	5000	0	0	0	0	0	35000
712010 - Pumps:		15000	15000	15000	10000	0	0	0	0	0	55000
	Submersible Pumps -	15000	15000	15000	10000	0	0	0	0	0	55000
	Subtotal	76,000	76,000	76,000	56,250	0	0	0	0	0	284,250
Toe Drains and Sumps Collection											
711040 - Consulting Services:		5,000	5,000	5,000	5,000	0	0	0	0	0	20,000
	Hydrologist/Engineer -	5,000	5,000	5,000	5,000	0	0	0	0	0	20,000
714090 - Outside Services:		1,500	1,500	1,500	1,500	0	0	0	0	0	6,000
	Pump/motor repair -	1,000	1,000	1,000	1,000	0	0	0	0	0	4,000
	City Electric -	500	500	500	500	0	0	0	0	0	2,000
711020 - Parts and Supplies:		2,800	2,800	2,800	2,800	0	0	0	0	0	10,400
	Sump Collection Materials -	1,000	1,000	1,000	1,000	0	0	0	0	0	4,000
	Piping and Fittings -	100	100	100	100	0	0	0	0	0	400
	Valves -	400	400	400	400	0	0	0	0	0	1,600
	Meters -	100	100	100	100	0	0	0	0	0	400
	Electrical System Parts -	1,000	1,000	1,000	1,000	0	0	0	0	0	4,000
712010 - Pumps:		310	310	310	310	0	0	0	0	0	1,240
	Submersible Pumps -	310	310	310	310	0	0	0	0	0	1,240
	Subtotal	9,410	9,410	9,410	9,410	0	0	0	0	0	37,640

GRANTS PROJECT
Scenario F Closure Cost Estimate
Estimated Costs Per Year
2009 Through Completion

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

	2009	2010	2011	2012	2013	2014	2015	2016	2017	Total
Tailings Flushing System										
711040 - Consulting Services:	15,000	15,000	15,000	0	0	0	0	0	0	45,000
Hydrologist/Engineer -	15,000	15,000	15,000	0	0	0	0	0	0	45,000
714090 - Outside Services:	3,000	3,000	3,000	0	0	0	0	0	0	9,000
City Electric -	2,000	2,000	2,000	0	0	0	0	0	0	6,000
Pump/motor repair -	1,000	1,000	1,000	0	0	0	0	0	0	3,000
Injection System										
711020 - Parts and Supplies:	0	0	0	0	0	0	0	0	0	0
Injection Wellhead Materials -	0	0	0	0	0	0	0	0	0	0
Piping and Fittings -	0	0	0	0	0	0	0	0	0	0
Valves -	0	0	0	0	0	0	0	0	0	0
Meters -	0	0	0	0	0	0	0	0	0	0
Injection Supply System										
711020 - Parts and Supplies:	0	0	0	0	0	0	0	0	0	0
Collection Wellhead Materials -	0	0	0	0	0	0	0	0	0	0
Piping and Fittings -	0	0	0	0	0	0	0	0	0	0
Valves -	0	0	0	0	0	0	0	0	0	0
Meters -	0	0	0	0	0	0	0	0	0	0
Electrical System Parts -	0	0	0	0	0	0	0	0	0	0
712010 - Pumps:	2,100	0	2,100	0	0	0	0	0	0	4,200
Submersible Pumps -	2,100	0	2,100	0	0	0	0	0	0	4,200
610020 - Utilities:	35,260	35,260	35,260	0	0	0	0	0	0	105,780
Electrical Meter 453086700 -	6,970	6,970	6,970	0	0	0	0	0	0	20,910
Electrical Meter 453086800 -	6,970	6,970	6,970	0	0	0	0	0	0	20,910
Electrical Meter 453096100 -	6,970	6,970	6,970	0	0	0	0	0	0	20,910
Electrical Meter 453097500 -	3,690	3,690	3,690	0	0	0	0	0	0	11,070
Electrical Meter 453194300 -	6,970	6,970	6,970	0	0	0	0	0	0	20,910
Electrical Meter 453194501 -	3,690	3,690	3,690	0	0	0	0	0	0	11,070
Subtotal	55,360	53,260	55,360	0	0	0	0	0	0	163,980
Total	158,615	157,377	158,338	78,951	205,275	775	775	5,075	20,800	788,981
--Groundwater Management--										
711030 - Water Analysis:	32,419	32,419	32,419	32,419	32,419	32,419	32,419	20,328	9,683	256,841
A-list	230	230	230	230	230	230	230	184	184	1,678
B-list	11,560	11,560	11,560	11,560	11,560	11,560	11,560	6,800	1,700	89,420
C-list	0	0	0	0	0	0	0	0	0	0
D-list	0	0	0	0	0	0	0	290	290	580
E-list	0	0	0	0	0	0	0	0	0	0
F-list	1,104	1,104	1,104	1,104	1,104	1,104	1,104	690	276	8,894
G-list	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,100	825	10,385
H-list	9,145	9,145	9,145	9,145	9,145	9,145	9,145	6,200	4,650	74,865
I-list	2,737	2,737	2,737	2,737	2,737	2,737	2,737	1,180	595	20,944
J-list	6,433	6,433	6,433	6,433	6,433	6,433	6,433	3,875	1,163	50,065
Column Tests	0	0	0	0	0	0	0	0	0	0
714010 - Driller costs:	27,650	20,350	20,350	20,350	20,350	2,100	2,100	135,000	174,800	495,050
New Alluvial Wells -	15,500	15,500	15,500	15,500	15,500	0	0	0	0	77,500
Alluvial Well Development -	2,750	2,750	2,750	2,750	2,750	0	0	0	0	13,750
Alluvial Well Abandonment -	0	0	0	0	0	0	0	135,000	135,000	270,000
New U. Chinle Wells -	7,300	0	0	0	0	0	0	0	0	7,300
U. Chinle Well Development -	700	700	700	700	700	700	700	0	0	4,900
U. Chinle Well Abandonment -	0	0	0	0	0	0	0	0	18,200	18,200
New M. Chinle Wells -	0	0	0	0	0	0	0	0	0	0

GRANTS PROJECT
Scenario F Closure Cost Estimate
Estimated Costs Per Year
2008 Through Completion

WATER TREATMENT (Cont.) XXXXXX-810-23-5100		2008	2010	2011	2012	2013	2014	2015	2016	2017	Total
714010 - Driller costs (Cont.):											
M. Chinle Well Development -	700	700	700	700	700	700	700	700	0	0	4,900
M. Chinle Well Abandonment -	0	0	0	0	0	0	0	0	0	13,000	13,000
New L. Chinle Wells -	0	0	0	0	0	0	0	0	0	0	0
L. Chinle Well Development -	700	700	700	700	700	700	700	700	0	0	4,900
L. Chinle Well Abandonment -	0	0	0	0	0	0	0	0	0	2,800	2,800
San Andres Well Abandonment -	0	0	0	0	0	0	0	0	0	6,000	6,000
Drilling Mobilization/Demobilization -	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	12,000	18,000	72,000
Subtotal	60,069	52,789	52,789	52,789	52,789	34,519	34,519	155,329	184,483	751,991	
Groundwater Collection											
714080 - Outside Services:		19,000	0	0	133,000						
City Electric -	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	0	0	70,000
Continental Divide -	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	0	0	35,000
Surveyor -	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	0	0	14,000
Northwest Geophysical -	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	0	0	14,000
711040 - Consulting Services:		20,000	0	0	140,000						
Hydrologist/Engineer -	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	0	0	140,000
610020 - Utilities:		22,306	22,306	22,306	22,306	22,306	19,998	19,998	0	0	151,525
Electrical Meter 453180401 -	22,306	22,306	22,306	22,306	22,306	18,998	18,998	0	0	0	151,525
C-Line											
711020 - Parts and Supplies:		0	0	0	0						
Collection Wellhead Materials -	0	0	0	0	0	0	0	0	0	0	0
Piping and Fittings -	0	0	0	0	0	0	0	0	0	0	0
Valves -	0	0	0	0	0	0	0	0	0	0	0
Meters -	0	0	0	0	0	0	0	0	0	0	0
Electrical System Parts -	0	0	0	0	0	0	0	0	0	0	0
712010 - Pumps:		0	0	0	0						
Submersible Pumps -	0	0	0	0	0	0	0	0	0	0	0
K-Line											
711020 - Parts and Supplies:		2,250	0	0	15,750						
Collection Wellhead Materials -	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	0	0	7,000
Piping and Fittings -	500	500	500	500	500	500	500	500	0	0	3,500
Valves -	200	200	200	200	200	200	200	200	0	0	1,400
Meters -	50	50	50	50	50	50	50	50	0	0	350
Electrical System Parts -	500	500	500	500	500	500	500	500	0	0	3,500
712010 - Pumps:		2,100	0	0	14,700						
Submersible Pumps -	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	0	0	14,700
610020 - Utilities:		248	0	0	1,722						
Electrical Meter 453183000 -	248	248	248	248	248	248	248	248	0	0	1,722
B-Line											
711020 - Parts and Supplies:		0	0	0	0						
Collection Wellhead Materials -	0	0	0	0	0	0	0	0	0	0	0
Piping and Fittings -	0	0	0	0	0	0	0	0	0	0	0
Valves -	0	0	0	0	0	0	0	0	0	0	0
Meters -	0	0	0	0	0	0	0	0	0	0	0
Electrical System Parts -	0	0	0	0	0	0	0	0	0	0	0
712010 - Pumps:		0	0	0	0						
Submersible Pumps -	0	0	0	0	0	0	0	0	0	0	0
D-Line											
711020 - Parts and Supplies:		2,250	2,250	2,250	2,250	2,250	0	0	0	0	11,250
Collection Wellhead Materials -	1,000	1,000	1,000	1,000	1,000	1,000	0	0	0	0	5,000
Piping and Fittings -	500	500	500	500	500	0	0	0	0	0	2,500
Valves -	200	200	200	200	200	0	0	0	0	0	1,000
Meters -	50	50	50	50	50	0	0	0	0	0	250
Electrical System Parts -	500	500	500	500	500	0	0	0	0	0	2,500

GRANTS PROJECT
Scenario F Closure Cost Estimate
Estimated Costs Per Year
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WATER TREATMENT (Cont.) XXXXXX-810-23-5100		2009	2010	2011	2012	2013	2014	2015	2016	2017	Total
712010 - Pumps:		2,100	2,100	2,100	2,100	2,100	0	0	0	0	10,500
	Submersible Pumps -	2,100	2,100	2,100	2,100	2,100	0	0	0	0	10,500
S-Line											
711020 - Parts and Supplies:		2,250	2,250	2,250	2,250	2,250	0	0	0	0	11,250
	Collection Wellhead Materials -	1,000	1,000	1,000	1,000	1,000	0	0	0	0	5,000
	Piping and Fittings -	500	500	500	500	500	0	0	0	0	2,500
	Valves -	200	200	200	200	200	0	0	0	0	1,000
	Meters -	50	50	50	50	50	0	0	0	0	250
	Electrical System Parts -	500	500	500	500	500	0	0	0	0	2,500
712010 - Pumps:		2,100	2,100	2,100	2,100	2,100	0	0	0	0	10,500
	Submersible Pumps -	2,100	2,100	2,100	2,100	2,100	0	0	0	0	10,500
610020 - Utilities:		1,230	1,230	1,230	1,230	1,230	0	0	0	0	6,150
	Electrical Meter 453088300 -	1,230	1,230	1,230	1,230	1,230	0	0	0	0	6,150
P-Line											
711020 - Parts and Supplies:		0	0	0	0	0	0	0	0	0	0
	Collection Wellhead Materials -	0	0	0	0	0	0	0	0	0	0
	Piping and Fittings -	0	0	0	0	0	0	0	0	0	0
	Valves -	0	0	0	0	0	0	0	0	0	0
	Meters -	0	0	0	0	0	0	0	0	0	0
	Electrical System Parts -	0	0	0	0	0	0	0	0	0	0
712010 - Pumps:		0	0	0	0	0	0	0	0	0	0
	Submersible Pumps -	0	0	0	0	0	0	0	0	0	0
610020 - Utilities:		246	246	246	246	246	246	246	246	246	2,214
	Electrical Meter 433985700 -	246	246	246	246	246	246	246	246	246	2,214
T-Line											
711020 - Parts and Supplies:		4,000	4,000	4,000	4,000	4,000	4,000	4,000	0	0	28,000
	Collection Wellhead Materials -	2,000	2,000	2,000	2,000	2,000	2,000	2,000	0	0	14,000
	Piping and Fittings -	500	500	500	500	500	500	500	0	0	3,500
	Valves -	400	400	400	400	400	400	400	0	0	2,800
	Meters -	100	100	100	100	100	100	100	0	0	700
	Electrical System Parts -	1,000	1,000	1,000	1,000	1,000	1,000	1,000	0	0	7,000
712010 - Pumps:		4,200	4,200	4,200	4,200	4,200	4,200	4,200	0	0	29,400
	Submersible Pumps -	4,200	4,200	4,200	4,200	4,200	4,200	4,200	0	0	29,400
L-Line											
711020 - Parts and Supplies:		0	0	0	0	0	0	0	0	0	0
	Collection Wellhead Materials -	0	0	0	0	0	0	0	0	0	0
	Piping and Fittings -	0	0	0	0	0	0	0	0	0	0
	Valves -	0	0	0	0	0	0	0	0	0	0
	Meters -	0	0	0	0	0	0	0	0	0	0
	Electrical System Parts -	0	0	0	0	0	0	0	0	0	0
712010 - Pumps:		0	0	0	0	0	0	0	0	0	0
	Submersible Pumps -	0	0	0	0	0	0	0	0	0	0
610020 - Utilities:		0	0	0	0	0	0	0	0	0	0
	Electrical Meter 453195100 -	0	0	0	0	0	0	0	0	0	0
521, 522, and 639											
711020 - Parts and Supplies:		0	0	0	0	0	0	0	0	0	0
	Collection Wellhead Materials -	0	0	0	0	0	0	0	0	0	0
	Piping and Fittings -	0	0	0	0	0	0	0	0	0	0
	Valves -	0	0	0	0	0	0	0	0	0	0
	Meters -	0	0	0	0	0	0	0	0	0	0
	Electrical System Parts -	0	0	0	0	0	0	0	0	0	0
712010 - Pumps:		0	0	0	0	0	0	0	0	0	0
	Submersible Pumps -	0	0	0	0	0	0	0	0	0	0
610020 - Utilities:		0	0	0	0	0	0	0	0	0	0
	Electrical Meter 453196200 -	0	0	0	0	0	0	0	0	0	0
Subtotal		84,278	84,278	84,278	84,278	84,278	72,040	72,040	246	246	565,861

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Estimated Costs Per Year
2009 Through Completion

WATER TREATMENT (Cont.) XXXXXX-810-23-5100		2009	2010	2011	2012	2013	2014	2015	2016	2017	Total
Groundwater Injection											
714080 - Outside Services:		2,000	2,000	2,000	2,000	2,000	2,000	2,000	0	0	14,000
	Surveyor -	2,000	2,000	2,000	2,000	2,000	2,000	2,000	0	0	14,000
711040 - Consulting Services:		20,000	20,000	20,000	20,000	20,000	20,000	20,000	0	0	140,000
	Hydrologist/Engineer -	20,000	20,000	20,000	20,000	20,000	20,000	20,000	0	0	140,000
Deep Wells											
711020 - Parts and Supplies:		5,450	5,450	5,450	5,450	5,450	5,450	5,450	5,450	5,450	49,050
	Collection Wellhead Materials -	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	13,500
	Piping and Fittings -	500	500	500	500	500	500	500	500	500	4,500
	Valves -	450	450	450	450	450	450	450	450	450	4,050
	Meters -	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	18,000
	Electrical System Parts -	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	9,000
712010 - Pumps:		5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	45,000
	Submersible Pumps -	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	45,000
610020 - Utilities:		23,895	23,895	23,895	8,512	8,512	8,512	8,512	8,512	8,512	122,754
	Electrical Meter 453190200 -	23,075	23,075	23,075	7,692	7,692	7,692	7,692	7,692	7,692	115,374
		820	820	820	820	820	820	820	820	820	7,380
WR-Line											
711020 - Parts and Supplies:		0	0	0	0	0	0	0	0	0	0
	Injection Wellhead Materials -	0	0	0	0	0	0	0	0	0	0
	Piping and Fittings -	0	0	0	0	0	0	0	0	0	0
	Valves -	0	0	0	0	0	0	0	0	0	0
	Meters -	0	0	0	0	0	0	0	0	0	0
M-Line											
711020 - Parts and Supplies:		0	0	0	0	0	0	0	0	0	0
	Injection Wellhead Materials -	0	0	0	0	0	0	0	0	0	0
	Piping and Fittings -	0	0	0	0	0	0	0	0	0	0
	Valves -	0	0	0	0	0	0	0	0	0	0
	Meters -	0	0	0	0	0	0	0	0	0	0
B-Line											
711020 - Parts and Supplies:		2,200	2,200	2,200	2,200	2,200	0	0	0	0	11,000
	Injection Wellhead Materials -	700	700	700	700	700	0	0	0	0	3,500
	Piping and Fittings -	1,000	1,000	1,000	1,000	1,000	0	0	0	0	5,000
	Valves -	400	400	400	400	400	0	0	0	0	2,000
	Meters -	100	100	100	100	100	0	0	0	0	500
C-Line											
711020 - Parts and Supplies:		1,700	1,700	1,700	1,700	1,100	0	0	0	0	7,900
	Injection Wellhead Materials -	700	700	700	700	350	0	0	0	0	3,150
	Piping and Fittings -	500	500	500	500	500	0	0	0	0	2,500
	Valves -	400	400	400	400	200	0	0	0	0	1,800
	Meters -	100	100	100	100	50	0	0	0	0	450
K-Line											
711020 - Parts and Supplies:		0	0	0	0	0	0	0	0	0	0
	Injection Wellhead Materials -	0	0	0	0	0	0	0	0	0	0
	Piping and Fittings -	0	0	0	0	0	0	0	0	0	0
	Valves -	0	0	0	0	0	0	0	0	0	0
	Meters -	0	0	0	0	0	0	0	0	0	0
J-Line											
711020 - Parts and Supplies:		0	0	0	0	0	0	0	0	0	0
	Injection Wellhead Materials -	0	0	0	0	0	0	0	0	0	0
	Piping and Fittings -	0	0	0	0	0	0	0	0	0	0
	Valves -	0	0	0	0	0	0	0	0	0	0
	Meters -	0	0	0	0	0	0	0	0	0	0

GRANTS PROJECT
Scenario F Closure Cost Estimate
Estimated Costs Per Year
2009 Through Completion

WATER TREATMENT (Cont.) XXXXXX-810-23-5100		2009	2010	2011	2012	2013	2014	2015	2016	2017	Total
X-Line											
711020 -	Parts and Supplies:	1,700	1,700	1,700	1,700	1,700	0	0	0	0	8,500
	Injection Wellhead Materials -	700	700	700	700	700	0	0	0	0	3,500
	Piping and Fittings -	500	500	500	500	500	0	0	0	0	2,500
	Valves -	400	400	400	400	400	0	0	0	0	2,000
	Meters -	100	100	100	100	100	0	0	0	0	500
G-Line											
711020 -	Parts and Supplies:	0	0	0	0	0	0	0	0	0	0
	Injection Wellhead Materials -	0	0	0	0	0	0	0	0	0	0
	Piping and Fittings -	0	0	0	0	0	0	0	0	0	0
	Valves -	0	0	0	0	0	0	0	0	0	0
	Meters -	0	0	0	0	0	0	0	0	0	0
D-Line											
711020 -	Parts and Supplies:	1,700	1,700	1,700	1,700	1,700	1,700	1,700	0	0	11,900
	Injection Wellhead Materials -	700	700	700	700	700	700	700	0	0	4,900
	Piping and Fittings -	500	500	500	500	500	500	500	0	0	3,500
	Valves -	400	400	400	400	400	400	400	0	0	2,800
	Meters -	100	100	100	100	100	100	100	0	0	700
T-Line											
711020 -	Parts and Supplies:	2,300	2,300	2,300	2,300	2,300	2,300	1,100	0	0	14,800
	Injection Wellhead Materials -	1,050	1,050	1,050	1,050	1,050	1,050	350	0	0	6,650
	Piping and Fittings -	500	500	500	500	500	500	500	0	0	3,500
	Valves -	600	600	600	600	600	600	200	0	0	3,800
	Meters -	150	150	150	150	150	150	50	0	0	950
S-Line											
711020 -	Parts and Supplies:	1,700	1,700	1,700	1,700	1,700	1,100	1,100	0	0	10,700
	Injection Wellhead Materials -	700	700	700	700	700	350	350	0	0	4,200
	Piping and Fittings -	500	500	500	500	500	500	500	0	0	3,500
	Valves -	400	400	400	400	400	200	200	0	0	2,400
	Meters -	100	100	100	100	100	50	50	0	0	600
Upper Chinle											
711020 -	Parts and Supplies:	0	0	0	0	0	0	0	0	0	0
	Injection Wellhead Materials -	0	0	0	0	0	0	0	0	0	0
	Piping and Fittings -	0	0	0	0	0	0	0	0	0	0
	Valves -	0	0	0	0	0	0	0	0	0	0
	Meters -	0	0	0	0	0	0	0	0	0	0
Middle Chinle											
711020 -	Parts and Supplies:	0	0	0	0	0	0	0	0	0	0
	Injection Wellhead Materials -	0	0	0	0	0	0	0	0	0	0
	Piping and Fittings -	0	0	0	0	0	0	0	0	0	0
	Valves -	0	0	0	0	0	0	0	0	0	0
	Meters -	0	0	0	0	0	0	0	0	0	0
Subtotal		67,645	67,645	67,645	52,262	51,662	46,062	44,862	18,962	18,962	435,704
Total		211,991	204,691	204,691	189,308	188,708	152,620	151,420	174,537	203,680	1,753,656

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Estimated Costs Per Year
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WATER TREATMENT (Cont.)
XXXXXX-810-23-5100

	2009	2010	2011	2012	2013	2014	2015	2016	2017	Total
R.O. Plant Operations										
714090 - Outside Services:	18,000	0	0	126,000						
City Electric -	8,000	8,000	8,000	8,000	8,000	8,000	8,000	0	0	56,000
Pump/motor repair -	10,000	10,000	10,000	10,000	10,000	10,000	10,000	0	0	70,000
R.O. Plant Refurbishment	0	0	0	0	0	0	0	0	0	0
R.O. Plant Upgrades	0	0	0	0	0	0	0	0	0	0
Miscellaneous R.O. Plant Equipment	0	0	0	0	0	0	0	0	0	0
711040 - Consulting Services:	25,000	0	0	175,000						
Hydrologist/Engineer -	10,000	10,000	10,000	10,000	10,000	10,000	10,000	0	0	70,000
R.O. Engineer -	5,000	5,000	5,000	5,000	5,000	5,000	5,000	0	0	35,000
Electronics -	10,000	10,000	10,000	10,000	10,000	10,000	10,000	0	0	70,000
610020 - Utilities:	193,966	5,562	5,562	1,368,884						
Electrical Meter 453180503 -	189,223	189,223	189,223	189,223	189,223	189,223	189,223	820	820	1,326,202
Natural Gas Meter 0807957 -	4,742	4,742	4,742	4,742	4,742	4,742	4,742	4,742	4,742	42,682
711020 - Parts and Supplies:	835,020	0	0	5,845,139						
Piping and Fittings -	1,000	1,000	1,000	1,000	1,000	1,000	1,000	0	0	7,000
Valves -	4,000	4,000	4,000	4,000	4,000	4,000	4,000	0	0	28,000
Meters -	4,000	4,000	4,000	4,000	4,000	4,000	4,000	0	0	28,000
Computer -	5,000	5,000	5,000	5,000	5,000	5,000	5,000	0	0	35,000
Equipment Maintenance/Upgrade -	0	0	0	0	0	0	0	0	0	0
Instruments -	15,000	15,000	15,000	15,000	15,000	15,000	15,000	0	0	105,000
Filters -	14,700	14,700	14,700	14,700	14,700	14,700	14,700	0	0	102,900
Membranes (LPRO) -	139,392	139,392	139,392	139,392	139,392	139,392	139,392	0	0	975,744
Membranes (HPRO) -	69,432	69,432	69,432	69,432	69,432	69,432	69,432	0	0	488,024
Sand Filter Media -	8,000	8,000	8,000	8,000	8,000	8,000	8,000	0	0	56,000
Air Diffusers -	2,000	2,000	2,000	2,000	2,000	2,000	2,000	0	0	14,000
Caustic Soda -	309,360	309,360	309,360	309,360	309,360	309,360	309,360	0	0	2,165,520
Sulfuric Acid -	106,500	106,500	106,500	106,500	106,500	106,500	106,500	0	0	745,500
Anti-Scaleant -	11,200	11,200	11,200	11,200	11,200	11,200	11,200	0	0	78,400
Lime (Bulk) -	123,800	123,800	123,800	123,800	123,800	123,800	123,800	0	0	865,200
Muratic Acid -	1,172	1,172	1,172	1,172	1,172	1,172	1,172	0	0	8,203
Membrane Cleaner -	14,864	14,864	14,864	14,864	14,864	14,864	14,864	0	0	102,848
Building / Facility -	2,000	2,000	2,000	2,000	2,000	2,000	2,000	0	0	14,000
Heating / AC -	2,000	2,000	2,000	2,000	2,000	2,000	2,000	0	0	14,000
Electrical -	2,000	2,000	2,000	2,000	2,000	2,000	2,000	0	0	14,000
712010 - Pumps/Starters:	20,000	0	0	140,000						
Pumps -	20,000	20,000	20,000	20,000	20,000	20,000	20,000	0	0	140,000
711030 - Water Analysis:	2,560	0	0	17,920						
A-list	0	0	0	0	0	0	0	0	0	0
B-list	1,020	1,020	1,020	1,020	1,020	1,020	1,020	0	0	7,140
C-list	0	0	0	0	0	0	0	0	0	0
D-list	0	0	0	0	0	0	0	0	0	0
E-list	0	0	0	0	0	0	0	0	0	0
F-list	0	0	0	0	0	0	0	0	0	0
G-list	1,540	1,540	1,540	1,540	1,540	1,540	1,540	0	0	10,780
H-list	0	0	0	0	0	0	0	0	0	0
I-list	0	0	0	0	0	0	0	0	0	0
J-list	0	0	0	0	0	0	0	0	0	0
Total	1,094,545	5,562	5,562	7,672,943						

In-Situ Biotesting

714090 - Outside Services:	1,000	0	1,000							
City Electric -	1,000	0	0	0	0	0	0	0	0	1,000
711040 - Consulting Services:	65,000	0	65,000							
Hydrologist/Engineer -	15,000	0	0	0	0	0	0	0	0	15,000
Bio-Engineer -	50,000	0	0	0	0	0	0	0	0	50,000
711020 - Parts and Supplies:	251,670	0	251,670							
Piping and Fittings -	1,000	0	0	0	0	0	0	0	0	1,000
Valves -	1,000	0	0	0	0	0	0	0	0	1,000
Meters -	150	0	0	0	0	0	0	0	0	150

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WATER TREATMENT (Cont.) XXXXXX-810-23-5100		2009	2010	2011	2012	2013	2014	2015	2016	2017	Total
711020 - Parts and Supplies (Cont.):											
	Instruments -	1,000	0	0	0	0	0	0	0	0	1,000
	Data Control Equipment -	12,000	0	0	0	0	0	0	0	0	12,000
	Phosphorous Source -	0	0	0	0	0	0	0	0	0	0
	Carbon Source -	236,520	0	0	0	0	0	0	0	0	236,520
712010 - Pumps:											
	Pumps -	2,100	0	0	0	0	0	0	0	0	2,100
		2,100	0	0	0	0	0	0	0	0	2,100
711030 - Water Analysis:											
	A-list	16,115	0	0	0	0	0	0	0	0	16,115
	B-list	0	0	0	0	0	0	0	0	0	0
	C-list	1,700	0	0	0	0	0	0	0	0	1,700
	D-list	0	0	0	0	0	0	0	0	0	0
	E-list	0	0	0	0	0	0	0	0	0	0
	F-list	0	0	0	0	0	0	0	0	0	0
	G-list	0	0	0	0	0	0	0	0	0	0
	H-list	14,415	0	0	0	0	0	0	0	0	14,415
	I-list	0	0	0	0	0	0	0	0	0	0
	J-list	0	0	0	0	0	0	0	0	0	0
	Total	335,885	0	0	335,885						
--Evaporation System Management--											
714090 - Outside Services:		2,265,667	32,000	27,000	32,000	27,000	27,000	32,000	27,000	7,000	2,476,667
	City Electric -	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	18,000
	Pump/motor Repair -	5,000	10,000	5,000	10,000	5,000	5,000	10,000	5,000	5,000	80,000
	Liner Repair -	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	0	180,000
	Pond 3 Construction -	2,238,667	0	0	0	0	0	0	0	0	2,238,667
711040 - Consulting Services:		10,000	30,000	10,000	10,000	10,000	30,000	10,000	10,000	10,000	130,000
	Hydrologist/Engineer -	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	90,000
	Odor Control -	0	20,000	0	0	0	20,000	0	0	0	40,000
711030 - Water Analysis:		3,166	3,166	3,166	3,166	3,166	3,166	3,166	1,544	0	23,703
	A-list	0	0	0	0	0	0	0	0	0	0
	B-list	1,020	1,020	1,020	1,020	1,020	1,020	1,020	510	0	7,850
	C-list	0	0	0	0	0	0	0	0	0	0
	D-list	0	0	0	0	0	0	0	0	0	0
	E-list	0	0	0	0	0	0	0	0	0	0
	F-list	828	828	828	828	828	828	828	414	0	6,210
	G-list	0	0	0	0	0	0	0	0	0	0
	H-list	1,318	1,318	1,318	1,318	1,318	1,318	1,318	620	0	9,843
	I-list	0	0	0	0	0	0	0	0	0	0
	J-list	0	0	0	0	0	0	0	0	0	0
610020 - Utilities:		253,166	253,166	253,166	253,166	115,374	115,374	115,374	76,916	0	1,435,702
	Electrical Meter 453180401 -	253,166	253,166	253,166	253,166	115,374	115,374	115,374	76,916	0	1,435,702
	Subtotal	2,531,999	318,331	293,331	298,331	155,540	175,540	160,540	115,460	17,000	4,066,072
East Collection Pond											
711020 - Parts and Supplies:		5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	0	40,000
	Piping and Fittings -	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	0	16,000
	Valves -	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	0	8,000
	Meters -	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	0	16,000
	Subtotal	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	0	40,000
West Collection Pond											
711020 - Parts and Supplies:		5,000	5,000	5,000	50,000	5,000	5,000	5,000	5,000	0	85,000
	Piping and Fittings -	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	0	16,000
	Sludge Transfer Materials-	0	0	0	45,000	0	0	0	0	0	45,000
	Valves -	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	0	8,000
	Meters -	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	0	16,000
	Subtotal	5,000	5,000	5,000	50,000	5,000	5,000	5,000	5,000	0	85,000

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WATER TREATMENT (Cont.)											
XXXXXX-810-23-5100											
No. 1 Evaporation Pond		2009	2010	2011	2012	2013	2014	2015	2016	2017	Total
711020 - Parts and Supplies:		35,469	35,469	35,469	35,469	0	0	0	0	0	141,876
	Piping and Fittings -	2,000	2,000	2,000	2,000	0	0	0	0	0	8,000
	Spray Nozzles -	13,800	13,800	13,800	13,800	0	0	0	0	0	54,400
	Valves -	1,000	1,000	1,000	1,000	0	0	0	0	0	4,000
	Meters -	2,000	2,000	2,000	2,000	0	0	0	0	0	8,000
	Copper Sulfate -	14,940	14,940	14,940	14,940	0	0	0	0	0	59,780
	Nozzle for Turbo-Mist Unit -	1,929	1,929	1,929	1,929	0	0	0	0	0	7,716
712010 - Pumps:		15,000	15,000	15,000	15,000	0	0	0	0	0	60,000
	Turbo-Mist Unit -	0	0	0	0	0	0	0	0	0	0
	Centrifugal Pumps -	10,000	10,000	10,000	10,000	0	0	0	0	0	40,000
	Centrifugal Pump Parts -	2,000	2,000	2,000	2,000	0	0	0	0	0	8,000
	Pump and Motor Repair for Turbo-Mist -	3,000	3,000	3,000	3,000	0	0	0	0	0	12,000
	Subtotal	50,469	50,469	50,469	50,469	0	0	0	0	0	201,876
No. 2 & No. 3 Evaporation Pond											
711020 - Parts and Supplies:		99,940	84,410	55,050	82,050	55,050	62,050	55,050	55,050	0	508,650
	Piping and Fittings (Pond 2) -	2,000	4,000	2,000	4,000	2,000	4,000	2,000	2,000	0	22,000
	Spray Nozzles (Pond 2) -	1,380	1,380	1,380	1,380	1,380	1,380	1,380	1,380	0	10,880
	Valves (Pond 2) -	1,000	2,000	1,000	2,000	1,000	2,000	1,000	1,000	0	11,000
	Meters (Pond 2) -	2,000	4,000	2,000	4,000	2,000	4,000	2,000	2,000	0	22,000
	Copper Sulfate (Pond 2) -	29,880	29,880	29,880	29,880	29,880	29,880	29,880	29,880	0	239,040
	Piping and Fittings (Pond 3) -	50,000	4,000	2,000	4,000	2,000	4,000	2,000	2,000	0	70,000
	Spray Nozzles (Pond 3) -	2,720	2,720	1,380	1,380	1,380	1,380	1,380	1,380	0	13,800
	Valves (Pond 3) -	2,000	2,000	1,000	1,000	1,000	1,000	1,000	1,000	0	10,000
	Meters (Pond 3) -	4,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	0	18,000
	Copper Sulfate (Pond 3) -	4,980	12,450	12,450	12,450	12,450	12,450	12,450	12,450	0	82,130
712010 - Pumps:		29,000	24,000	26,000	24,000	24,000	24,000	26,000	14,000	0	193,000
	Centrifugal Pumps (Pond 2) -	15,000	15,000	15,000	15,000	15,000	15,000	15,000	5,000	0	110,000
	Centrifugal Pump Parts (Pond 2) -	4,000	2,000	4,000	2,000	4,000	2,000	4,000	2,000	0	24,000
	Centrifugal Pumps (Pond 3) -	10,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	0	45,000
	Centrifugal Pump Parts (Pond 3) -	0	2,000	2,000	2,000	2,000	2,000	2,000	2,000	0	14,000
	Subtotal	128,940	88,410	81,050	86,050	81,050	86,050	81,050	69,050	0	701,650
	Total	2,721,408	467,210	434,850	489,850	246,590	271,590	251,590	194,510	17,000	5,094,598
--Irrigation System Management--											
714090 - Outside Services:		9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000	81,000
	City Electric -	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	18,000
	Continental Divide -	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	45,000
	Surveying -	0	0	0	0	0	0	0	0	0	0
	Field Prep & Planting -	0	0	0	0	0	0	0	0	0	0
	Pump/motor Repair -	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	18,000
711040 - Consulting Services:		20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	180,000
	Hydrologist/Engineer -	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	135,000
	Other -	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	45,000
711020 - Parts and Supplies:		17,245	17,245	17,245	17,245	17,245	17,245	17,245	17,245	17,245	155,205
	Agricultural Equipment Maintenance -	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	90,000
	Agricultural Equipment Fuel -	4,245	4,245	4,245	4,245	4,245	4,245	4,245	4,245	4,245	38,205
	Lubricants -	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	9,000
	Alfalfa -	0	0	0	0	0	0	0	0	0	0
	Cereal Grains -	0	0	0	0	0	0	0	0	0	0
	Fertilizer -	0	0	0	0	0	0	0	0	0	0
	Fencing -	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	18,000
718030 - Vegetation Analysis:		6,480	6,480	6,480	6,480	6,480	6,480	6,480	6,480	6,480	58,320
718030 - Soil Analysis:		5,880	5,880	5,880	5,880	5,880	5,880	5,880	5,880	5,880	52,920
711030 - Water Analysis:		12,758	12,758	12,758	12,758	12,758	12,758	12,758	12,758	12,758	114,822
	A-list	0	0	0	0	0	0	0	0	0	0
	B-list	2,210	2,210	2,210	2,210	2,210	2,210	2,210	2,210	2,210	19,890
	C-list	0	0	0	0	0	0	0	0	0	0

GRANTS PROJECT
Scenario F Closure Cost Estimate
Estimated Costs Per Year
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WATER TREATMENT (Cont.) XXXXXX-810-23-5100		2009	2010	2011	2012	2013	2014	2015	2016	2017	Total
711030 - Water Analysis (Cont.):											
	D-list	0	0	0	0	0	0	0	0	0	0
	E-list	0	0	0	0	0	0	0	0	0	0
	F-list	690	690	690	690	690	690	690	690	690	8,210
	G-list	770	770	770	770	770	770	770	770	770	8,930
	H-list	3,798	3,798	3,798	3,798	3,798	3,798	3,798	3,798	3,798	34,178
	I-list	1,726	1,726	1,726	1,726	1,726	1,726	1,726	1,726	1,726	15,530
	J-list	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	32,085
714010 - Driller costs:											
	New Alluvial Wells -	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	27,900
	Alluvial Well Development -	550	550	550	550	550	550	550	550	550	4,950
	Alluvial Well Abandonment -	0	0	0	0	0	0	0	0	0	0
	U. Chinle Well Abandonment -	0	0	0	0	0	0	0	0	0	0
	U. Chinle Well Development -	700	700	700	700	700	700	700	0	0	4,900
	M. Chinle Well Abandonment -	0	0	0	0	0	0	0	0	0	0
	M. Chinle Well Development -	700	700	700	700	700	700	700	0	0	4,900
	L. Chinle Well Abandonment -	0	0	0	0	0	0	0	0	0	0
	L. Chinle Well Development -	700	700	700	700	700	700	700	0	0	4,900
	Subtotal	77,113	75,013	75,013	689,817						
Section 34 Flood Irrigation											
Section 34 Distribution System											
711020 - Parts and Supplies:											
	Piping and Fittings -	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	18,000
	Valves -	600	600	600	600	600	600	600	600	600	5,400
	Meters -	0	3,000	0	3,000	0	3,000	0	3,000	3,000	15,000
Section 34 Irrigation Supply System											
711020 - Parts and Supplies:											
	Collection Wellhead Materials -	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	9,000
	Piping and Fittings -	500	500	500	500	500	500	500	500	500	4,500
	Valves -	400	400	400	400	400	400	400	400	400	3,600
	Meters -	0	0	0	0	0	0	0	0	0	0
	Electrical System Parts -	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	9,000
712010 - Pumps:											
	Submersible Pumps -	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	63,000
810020 - Utilities:											
	Electrical Meter 453372500 -	6,970	6,970	6,970	6,970	6,970	6,970	6,970	6,970	6,970	62,730
	Electrical Meter 453370700 -	6,150	6,150	6,150	6,150	6,150	6,150	6,150	6,150	6,150	55,350
	Electrical Meter 453289200 -	2,480	2,480	2,480	2,480	2,480	2,480	2,480	2,480	2,480	22,140
	Electrical Meter 453287400 -	8,200	8,200	8,200	8,200	8,200	8,200	8,200	8,200	8,200	73,800
	Electrical Meter 453287900 -	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	25,830
	Electrical Meter 453777777 -	2,460	2,460	2,460	2,460	2,460	2,460	2,460	2,460	2,460	22,140
Sections 34, 35 and 3 Injection Supply System											
711020 - Parts and Supplies:											
	Collection Wellhead Materials -	0	0	0	0	0	0	0	0	0	0
	Piping and Fittings -	0	0	0	0	0	0	0	0	0	0
	Valves -	0	0	0	0	0	0	0	0	0	0
	Meters -	0	0	0	0	0	0	0	0	0	0
	Electrical System Parts -	0	0	0	0	0	0	0	0	0	0
712010 - Pumps:											
	Submersible Pumps -	0	0	0	0	0	0	0	0	0	0
810020 - Utilities:											
	Electrical Meter 453282100 -	0	0	0	0	0	0	0	0	0	0
	Electrical Meter 453289200 -	0	0	0	0	0	0	0	0	0	0
	Electrical Meter 453285800 -	0	0	0	0	0	0	0	0	0	0

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Scenario F Closure Cost Estimate
Estimated Costs Per Year
2009 Through Completion

WATER TREATMENT (Cont.) XXXXXX-810-23-5100		2009	2010	2011	2012	2013	2014	2015	2016	2017	Total
Sections 34, 35 and 3 Injection System											
711020 - Parts and Supplies:											
Injection Wellhead Materials -		0	0	0	0	0	0	0	0	0	0
Piping and Fittings -		0	0	0	0	0	0	0	0	0	0
Valves -		0	0	0	0	0	0	0	0	0	0
Meters -		0	0	0	0	0	0	0	0	0	0
Subtotal		41,610	44,610	41,610	44,610	41,610	44,610	41,610	44,610	44,610	389,490
Section 33 Center Pivot Irrigation											
Section 33 Center Pivar											
711020 - Parts and Supplies:											
Plumbing and Fittings -		2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	18,000
810020 - Utilities:		1,804	16,236								
Electrical Meter 453267800 -		1,804	1,804	1,804	1,804	1,804	1,804	1,804	1,804	1,804	16,236
Section 33 Distribution System											
711020 - Parts and Supplies:											
Piping and Fittings -		2,600	5,600	2,600	5,600	2,600	5,600	2,600	5,600	2,600	35,400
Valves -		2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	18,000
Meters -		600	600	600	600	600	600	600	600	600	5,400
		0	3,000	0	3,000	0	3,000	0	3,000	0	12,000
Section 33 Irrigation Supply System											
711020 - Parts and Supplies:											
Collection Wellhead Materials -		2,900	2,900	2,900	2,900	2,900	2,900	2,900	2,900	2,900	26,100
Piping and Fittings -		1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	9,000
Valves -		500	500	500	500	500	500	500	500	500	4,500
Meters -		400	400	400	400	400	400	400	400	400	3,600
Electrical System Parts -		0	0	0	0	0	0	0	0	0	0
712010 - Pumps:		1,000	9,000								
Submersible Pumps -		7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	63,000
810020 - Utilities:		7,000	63,000								
Electrical Meter 453168400 -		24,272	24,272	24,272	24,272	24,272	24,272	24,272	24,272	24,272	218,448
Electrical Meter 453262600 -		4,920	4,920	4,920	4,920	4,920	4,920	4,920	4,920	4,920	44,280
Electrical Meter 453263700 -		5,740	5,740	5,740	5,740	5,740	5,740	5,740	5,740	5,740	51,660
Electrical Meter 453265700 -		3,690	3,690	3,690	3,690	3,690	3,690	3,690	3,690	3,690	33,210
Electrical Meter 453267700 -		4,100	4,100	4,100	4,100	4,100	4,100	4,100	4,100	4,100	36,900
Electrical Meter 453267900 -		1,968	1,968	1,968	1,968	1,968	1,968	1,968	1,968	1,968	17,712
Electrical Meter ????????? -		1,804	1,804	1,804	1,804	1,804	1,804	1,804	1,804	1,804	16,236
Electrical Meter ????????? -		2,050	2,050	2,050	2,050	2,050	2,050	2,050	2,050	2,050	18,450
Subtotal		40,576	43,576	40,576	43,576	40,576	43,576	40,576	43,576	40,576	377,184
Section 28 Center Pivot Irrigation											
Section 28 Center Pivar											
711020 - Parts and Supplies:											
Plumbing and Fittings -		2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	18,000
Expansion -		2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	18,000
810020 - Utilities:		0									
Electrical Meter 453165000 -		2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	25,830
		2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	25,830
Section 28 Distribution System											
711020 - Parts and Supplies:											
Piping and Fittings -		2,600	5,600	2,600	5,600	2,600	5,600	2,600	5,600	2,600	38,400
Valves -		2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	18,000
Meters -		600	600	600	600	600	600	600	600	600	5,400
		0	3,000	0	3,000	0	3,000	0	3,000	0	15,000

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WATER TREATMENT (Cont.)		2009	2010	2011	2012	2013	2014	2015	2016	2017	Total
XXXXXX-810-23-5100											
Section 28 Irrigation Supply System											
711020 - Parts and Supplies:		2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200	19,800
Collection Wellhead Materials -		1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	9,000
Piping and Fittings -		500	500	500	500	500	500	500	500	500	4,500
Valves -		200	200	200	200	200	200	200	200	200	1,800
Meters -		0	0	0	0	0	0	0	0	0	0
Electrical System Parts -		500	500	500	500	500	500	500	500	500	4,500
712010 - Pumps:		3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	31,500
Submersible Pumps -		3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	31,500
610020 - Utilities:		26,650	26,650	26,650	26,650	26,650	26,650	26,650	26,650	26,650	239,850
Electrical Meter 453164800 -		8,150	8,150	8,150	8,150	8,150	8,150	8,150	8,150	8,150	55,350
Electrical Meter 153164900 -		8,150	8,150	8,150	8,150	8,150	8,150	8,150	8,150	8,150	55,350
Electrical Meter 453171200 -		2,480	2,480	2,480	2,480	2,480	2,480	2,480	2,480	2,480	22,140
Electrical Meter 453079400 -		2,480	2,480	2,480	2,480	2,480	2,480	2,480	2,480	2,480	22,140
Electrical Meter 453171500 -		6,560	6,560	6,560	6,560	6,560	6,560	6,560	6,560	6,560	59,040
Electrical Meter 453165000 -		2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	2,870	25,830
Section 28 Injection Supply System											
711020 - Parts and Supplies:		0	0	0	0	0	0	0	0	0	0
Collection Wellhead Materials -		0	0	0	0	0	0	0	0	0	0
Piping and Fittings -		0	0	0	0	0	0	0	0	0	0
Valves -		0	0	0	0	0	0	0	0	0	0
Meters -		0	0	0	0	0	0	0	0	0	0
Electrical System Parts -		0	0	0	0	0	0	0	0	0	0
712010 - Pumps:		0	0	0	0	0	0	0	0	0	0
Submersible Pumps -		0	0	0	0	0	0	0	0	0	0
610020 - Utilities:		164	164	164	164	164	164	164	164	0	1,312
Electrical Meter 453054002 -		164	164	164	164	164	164	164	164	0	1,312
Section 28 Injection System											
711020 - Parts and Supplies:		0	0	0	0	0	0	0	0	0	0
Injection Wellhead Materials -		0	0	0	0	0	0	0	0	0	0
Piping and Fittings -		0	0	0	0	0	0	0	0	0	0
Valves -		0	0	0	0	0	0	0	0	0	0
Meters -		0	0	0	0	0	0	0	0	0	0
Subtotal		39,984	42,984	39,984	42,984	39,984	42,984	39,984	42,984	42,820	374,692
Additional Center Pivot Irrigation											
Additional Irrigation Expansion											
711020 - Parts and Supplies:		0	0	0	0	0	0	0	0	0	0
New Center Pivot System -		0	0	0	0	0	0	0	0	0	0
Plumbing and Fittings -		0	0	0	0	0	0	0	0	0	0
610020 - Utilities:		0	0	0	0	0	0	0	0	0	0
Electrical Meter TBD -		0	0	0	0	0	0	0	0	0	0
Additional Irrigation Distribution System											
711020 - Parts and Supplies:		0	0	0	0	0	0	0	0	0	0
Piping and Fittings -		0	0	0	0	0	0	0	0	0	0
Valves -		0	0	0	0	0	0	0	0	0	0
Meters -		0	0	0	0	0	0	0	0	0	0
Additional Irrigation Supply System											
711020 - Parts and Supplies:		0	0	0	0	0	0	0	0	0	0
Collection Wellhead Materials -		0	0	0	0	0	0	0	0	0	0
Piping and Fittings -		0	0	0	0	0	0	0	0	0	0
Valves -		0	0	0	0	0	0	0	0	0	0
Meters -		0	0	0	0	0	0	0	0	0	0
Electrical System Parts -		0	0	0	0	0	0	0	0	0	0
712010 - Pumps:		0	0	0	0	0	0	0	0	0	0
Submersible Pumps -		0	0	0	0	0	0	0	0	0	0

GRANTS PROJECT
 Scenario F Closure Cost Estimate
 Estimated Costs Per Year
 2009 Through Completion

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

	2009	2010	2011	2012	2013	2014	2015	2016	2017	Total
610020 - Utilities:	0	0	0	0	0	0	0	0	0	0
Electrical Meter TBD -	0	0	0	0	0	0	0	0	0	0
Electrical Meter TBD -	0	0	0	0	0	0	0	0	0	0
Electrical Meter TBD -	0	0	0	0	0	0	0	0	0	0
Electrical Meter TBD -	0	0	0	0	0	0	0	0	0	0
Electrical Meter TBD -	0	0	0	0	0	0	0	0	0	0
Electrical Meter TBD -	0	0	0	0	0	0	0	0	0	0
Electrical Meter TBD -	0	0	0	0	0	0	0	0	0	0
Electrical Meter TBD -	0	0	0	0	0	0	0	0	0	0
Electrical Meter TBD -	0	0	0	0	0	0	0	0	0	0
Electrical Meter TBD -	0	0	0	0	0	0	0	0	0	0
Electrical Meter TBD -	0	0	0	0	0	0	0	0	0	0
Subtotal	0	0	0	0	0	0	0	0	0	0
Total	199,283	208,283	199,283	208,283	199,283	208,283	199,283	206,183	203,019	1,831,183
Total Water Treatment	4,881,103	2,290,483	2,267,084	2,208,314	2,068,777	1,868,189	1,831,989	706,243	568,448	18,760,630

GRANTS PROJECT
Scenario F Closure Cost Estimate
Estimated Costs Per Year
2009 Through Completion

MONITORING/REGULATORY XXXXXX-810-23-5200		2009	2010	2011	2012	2013	2014	2015	2016	2017	Total
--General--											
718900 - NRC Fees:		50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	450,000
718025 - Permitting Fees:		5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	45,000
711040 - Consulting Services:		70,000	90,000	100,000	70,000	70,000	70,000	90,000	100,000	70,000	730,000
	Annual Report-	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	180,000
	CAP-	0	0	0	0	0	0	0	0	0	0
	ACL-	0	0	0	0	0	0	0	0	0	0
	Numerical Modeling-	0	0	0	0	0	0	0	0	0	0
	ALARA Consulting -	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	180,000
	General Consulting -	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	90,000
	DOE Reporting -	0	0	0	0	0	0	0	0	0	0
	DP Renewal -	0	20,000	0	0	0	0	20,000	0	0	40,000
	EPA Oversight -	20,000	20,000	50,000	20,000	20,000	20,000	20,000	50,000	20,000	240,000
	Total	125,000	145,000	155,000	125,000	125,000	125,000	145,000	155,000	125,000	1,225,000
--Air / Weather Monitoring--											
714090 - Outside Services:		5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500	49,500
711020 - Parts and Supplies:		500	500	500	500	500	500	500	500	500	4,500
610020 - Utilities:		3,608	3,608	3,608	3,608	3,608	3,608	3,608	3,608	3,608	32,472
	Electrical Meter 453184000 -	3,608	3,608	3,608	3,608	3,608	3,608	3,608	3,608	3,608	32,472
	Total	9,608	86,472								
--Radiation Monitoring--											
714090 - Outside Services:		2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	18,000
711020 - Parts and Supplies:		13,166	13,166	13,166	13,166	13,166	13,166	13,166	13,166	13,166	118,484
	Bioassay Sample Bottles -	500	500	500	500	500	500	500	500	500	4,500
	High Vol Filters -	1,450	1,450	1,450	1,450	1,450	1,450	1,450	1,450	1,450	13,050
	High Vol Parts -	1,700	1,700	1,700	1,700	1,700	1,700	1,700	1,700	1,700	15,300
	Lab Instrument Parts -	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	9,000
	TLD Badges -	6,936	6,936	6,936	6,936	6,936	6,936	6,936	6,936	6,936	62,424
	Radon Cup -	1,080	1,080	1,080	1,080	1,080	1,080	1,080	1,080	1,080	9,720
	Miscellaneous Parts -	500	500	500	500	500	500	500	500	500	4,500
718030 - Lab Fees:		9,016	9,016	9,016	9,016	9,016	9,016	9,016	9,016	9,016	81,144
	Bioassay Samples -	500	500	500	500	500	500	500	500	500	4,500
	High Vol Samples -	4,736	4,736	4,736	4,736	4,736	4,736	4,736	4,736	4,736	42,624
	Radon Cup Analysis -	3,780	3,780	3,780	3,780	3,780	3,780	3,780	3,780	3,780	34,020
610020 - Utilities:		2,706	2,706	2,706	2,706	2,706	2,706	2,706	2,706	2,706	24,354
	Electrical Meter 433983700 -	451	451	451	451	451	451	451	451	451	4,059
	Electrical Meter 453094400 -	451	451	451	451	451	451	451	451	451	4,059
	Electrical Meter 600986000 -	451	451	451	451	451	451	451	451	451	4,059
	Electrical Meter 453280400 -	451	451	451	451	451	451	451	451	451	4,059
	Electrical Meter 600095200 -	451	451	451	451	451	451	451	451	451	4,059
	Electrical Meter 453191600 -	451	451	451	451	451	451	451	451	451	4,059
711040 - Radiation Training:		3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	27,000
	Annual Radiation Refresher -	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	18,000
	Employee Radiation Training -	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	9,000
	Total	29,888	268,992								

GRANTS PROJECT
 Scenario F Closure Cost Estimate
 Estimated Costs Per Year
 2009 Through Completion

MONITORING/REGULATORY (Cont.) XXXXXX-810-23-5200		2009	2010	2011	2012	2013	2014	2015	2016	2017	Total
-Settlement Monument Monitoring-											
714090 - Outside Services:		9,000	9,000	9,000	9,000	0	0	0	0	0	36,000
	Surveying -	7,000	7,000	7,000	7,000	0	0	0	0	0	28,000
	Report Development -	2,000	2,000	2,000	2,000	0	0	0	0	0	8,000
	Total	9,000	9,000	9,000	9,000	0	0	0	0	0	36,000
Total Monitoring/Regulatory		173,486	193,496	203,496	173,496	164,496	164,496	184,496	194,496	184,496	1,616,464

GRANTS PROJECT
Scenario F Closure Cost Estimate
Estimated Costs Per Year
2009 Through Completion

HOLDING XXXXXX-811-23-5300		2009	2010	2011	2012	2013	2014	2015	2016	2017	Total
--Land--											
780060 - Land Purchase:		0	0	0	0	0	0	0	0	0	0
780080 - Land Rental:		0	0	0	0	0	0	0	0	0	0
780110 - Title Commitment Policy:		0	0	0	0	0	0	0	0	0	0
780010 - Appraisal:		0	0	0	0	0	0	0	0	0	0
780120 - Land Improvements:		6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	54,000
Fencing -		2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	18,000
Water Development -		2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	18,000
Clean-up -		2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	18,000
623010 - Property Tax:		25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	225,000
780120 - Surveying / Mapping:		15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	135,000
Total Holding		46,000	414,000								

SECURITY AND MAINTENANCE XXXXXX-811-23-5400		2009	2010	2011	2012	2013	2014	2015	2016	2017	Total
--Land and Structures--											
717030 - Surveillance:		4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	36,000
Total Security/Maintenance		4,000	36,000								

SEVERANCE AND RELOCATION XXXXXX-XXX-XX-XXXX		2009	2010	2011	2012	2013	2014	2015	2016	2017	Total
--Severance and Relocation--											
xxxxxx - Severance and Relocation:		0	0	0	0	0	0	0	0	0	0
Total Severance/Relocation		0									

GRANTS PROJECT
Scenario F Closure Cost Estimate
Estimated Costs Per Year
2009 Through Completion

GENERAL AND ADMIN.
XXXXXX-811-23-5500

	2009	2010	2011	2012	2013	2014	2015	2016	2017	Total
-Salaries and Benefits-										
600000 - Salaries - General: Site Manager	120,520	120,520	120,520	120,520	120,520	120,520	120,520	120,520	120,520	1,084,680
600040 - Benefits: Site Manager	50,188	50,188	50,188	50,188	50,188	50,188	50,188	50,188	50,188	451,684
600000 - Salaries - General: Engineering	72,470	72,470	72,470	72,470	72,470	72,470	72,470	72,470	72,470	652,230
600040 - Benefits: Engineering	30,179	30,179	30,179	30,179	30,179	30,179	30,179	30,179	30,179	271,609
600000 - Salaries - General: Financial	76,260	76,260	76,260	76,260	76,260	76,260	76,260	76,260	76,260	686,340
600040 - Benefits: Financial	31,757	31,757	31,757	31,757	31,757	31,757	31,757	31,757	31,757	285,813
600001 - Salaries - Groundwater: Admin. Asst.	37,030	37,030	37,030	37,030	37,030	37,030	37,030	37,030	37,030	333,270
600040 - Benefits: Admin. Asst.	15,420	15,420	15,420	15,420	15,420	15,420	15,420	15,420	15,420	138,784
600001 - Salaries - Groundwater: Senior Tech.	132,980	132,980	132,980	132,980	132,980	132,980	132,980	132,980	132,980	1,186,820
600040 - Benefits: Senior Tech.	55,377	55,377	55,377	55,377	55,377	55,377	55,377	55,377	55,377	488,382
600001 - Salaries - Groundwater: Technician	114,030	114,030	114,030	114,030	114,030	76,020	76,020	38,010	38,010	798,210
600040 - Benefits: Technician	47,486	47,486	47,486	47,486	47,486	31,657	31,657	15,828	15,828	332,398
600050 - Temporary Labor:	15,000	15,000	15,000	15,000	38,000	15,000	15,000	15,000	36,000	177,000
601060 - Workman's Compensation:	0	0	0	0	0	0	0	0	0	0
601130 - Memberships:	0	0	0	0	0	0	0	0	0	0
601140 - Seminars and Training:	0	0	0	0	0	0	0	0	0	0
603000 - Employee Relations:	0	0	0	0	0	0	0	0	0	0
Total	798,697	798,697	798,697	798,697	819,697	744,858	744,858	691,020	712,020	6,907,241
-General Office Costs-										
622000 - Stationery & Supplies:	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	45,000
622010 - Kitchen Supplies:	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	18,000
622040 - Publications & Subscriptions:	0	0	0	0	0	0	0	0	0	0
622050 - Miscellaneous:	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	13,500
622050 - Misc. Computer Hardware:	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	36,000
622070 - Lunch / Dinners:	0	0	0	0	0	0	0	0	0	0
Total	12,500	112,500								
-Occupancy Costs-										
610030 - Office - Other:	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	90,000
Total	10,000	90,000								
-Communication Costs-										
620010 - Telecommunications:	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	108,000
620060 - Postage:	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	18,000
620070 - Courier Services:	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	90,000
620080 - Data Line Access:	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	45,000
Total	29,000	261,000								
-Data Processing Costs-										
621000 - Equipment Rental / Leases:	9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000	81,000
621020 - Computer Software:	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	18,000
Total	11,000	98,000								
-Taxes, Licenses, and Fees-										
623000 - Office - Other:	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	13,500
Total	1,500	13,500								
-Insurance-										
624040 - Insurance:	24,000	24,000	24,000	24,000	24,000	24,000	24,000	24,000	24,000	216,000
Total	24,000	216,000								

GRANTS PROJECT
Scenario F Closure Cost Estimate
Estimated Costs Per Year
2009 Through Completion

GENERAL AND ADMIN. (Cont.)
XXXXXX-911-23-5500

2009	2010	2011	2012	2013	2014	2015	2016	2017	Total
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-Travel and Accommodation-

640000 - Travel - Air:	0	0	0	0	0	0	0	0	0	0
640020 - Travel - Accommodation:	0	0	0	0	0	0	0	0	0	0
640030 - Travel - Taxis:	0	0	0	0	0	0	0	0	0	0
640050 - Travel - Gas:	0	0	0	0	0	0	0	0	0	0
640060 - Travel - Meals:	0	0	0	0	0	0	0	0	0	0
Total	0									

-Professional Fees-

670000 - Legal Fees:	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	135,000
Total	15,000	135,000								

-Outside Services-

714080 - General Outside Services	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	135,000
Worker's Comp. Admin.	0	0	0	0	0	0	0	0	0	0
IT Consulting Services	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	90,000
Misc.(Grants Clinic)	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	45,000
Total	15,000	135,000								

Total General/Admin.	916,687	916,697	916,697	916,697	937,697	862,858	862,858	809,020	830,020	7,989,241
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Grand Total	6,048,298	3,475,675	3,462,277	3,373,507	9,075,873	2,843,544	3,679,344	2,593,080	8,053,404	42,774,801
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MISCELLANEOUS INCOME
XXXXXX-XXX-XX-XXXX

2009	2010	2011	2012	2013	2014	2015	2016	2017	Total
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-Misc. Income-

489000 - Misc. Income:	0	0	0	0	0	0	0	0	0	0
Total Misc. Income.	0									

GRANTS PROJECT
 Scenario F Closure Cost Estimate
 Unit Costs/Quantities
 2009 Through Completion

TAILINGS FACILITY CLOSURE / RECLAMATION XXXXXX-810-23-3600	UNIT COST	2009	2010	2011	2012	2013	2014	2015	2016	2017
711040 - Consulting:										
Large Tailings Pile Closure -	393,793.25	0	0	0	0	1	0	0	0	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.	476,979.16	0	0	0	0	0	0	0	0.33	1.33
Review of Physical Reclamation	30,000.00	0	0	0	0	0	0	0	0	0
714090 - Outside Services:										
Large Tailings Pile Closure -	5,438,191.61	0	0	0	0	1	0	0	0	0
Current Reclamation Repairs	25,000.00	1	1	1	1	0	0	30	0	0
Pond Closure-	1,008,833.07	0	0	0	0	0	0	0	0.67	2.33
Small Tailings Pile Closure -	3,083,704.09	0	0	0	0	0	0	0	0	1
R.O. Plant Demolition -	169,517.51	0	0	0	0	0	0	0	0	1
Radiological Survey and Environmental Monitoring -	45,437.68	0	0	0	0	0.5	0	0	0	0.5

GRANTS PROJECT
 Scenario F Closure Cost Estimate
 Unit Costs/Quantities
 2009 Through Completion

ON-SITE DEMOLITION
XXXXXX-810-23-3300

	UNIT COST	2009	2010	2011	2012	2013	2014	2015	2016	2017
711040 - Consulting:										
Engineering Design / QAQC -	33,320.97	0	0	0	0	0	0	0	0	1
714090 - Outside Services:										
Demolition / Cleanup -	146,216.13	0	0	0	0	0	0	0	0	1

GRANTS PROJECT
Scenario F Closure Cost Estimate
Unit Costs/Quantities
2009 Through Completion

WATER TREATMENT XXXXXX-810-23-5100		UNIT COST	2009	2010	2011	2012	2013	2014	2015	2016	2017
-General-											
717050 - Fuel:											
	Diesel -	2.83	2570	2570	2570	2570	2570	2570	2570	2570	2570
	Gas -	2.99	4629	4629	4629	4629	4629	4629	4629	4629	4629
718010 - Freight and Transportation:		5,000.00	1	1	1	1	1	1	1	1	1
717060 - Equipment Expenses:											
	Crane -	2,000.00	1	1	1	1	1	1	1	1	1
	Loader -	3,500.00	1	1	1	1	1	1	1	1	1
	Backhoe -	4,000.00	1	1	1	1	1	1	1	1	1
	Cat Dozer -	6,610.00	1	1	1	1	1	1	1	1	1
	Large Forklift -	3,500.00	1	1	1	1	1	1	1	1	1
	Small Forklift -	2,500.00	1	1	1	1	1	1	1	1	1
	Compressor -	500.00	1	1	1	1	1	1	1	1	1
	Onan Small Generator -	500.00	1	1	1	1	1	1	1	1	1
	New Generator -	500.00	1	1	1	1	1	1	1	1	1
	HDPE Fusion Machines -	1,500.00	1	1	1	1	1	1	1	1	1
	Pump Unit -	4,000.00	0	0	1	0	0	1	0	0	0
	Misc. Equipment Rental -	7,000.00	1	1	1	1	1	1	1	1	1
	All Other Equipment -	2,000.00	1	1	1	1	1	1	1	1	1
717075 - Vehicle Expenses:											
	Vehicle Maintenance and Repair	2,000.00	7	7	7	7	7	7	7	6	5
	Truck Leasing -	12,000.00	3	3	4	2	1	1	1	0	0
	Support Vehicle Leasing -	12,000.00	1	1	1	1	1	1	1	1	1
610020 - Utilities:											
	Electrical Meter 453097200 -	0.0820	115000	115000	115000	115000	115000	115000	115000	115000	115000
	Electrical Meter 453283402 -	0.0820	0	0	0	0	0	0	0	0	0
	Electrical Meter 453283302 -	0.0820	0	0	0	0	0	0	0	0	0
	Electrical Meter 606480500 -	0.0820	1200	1200	1200	1200	1200	1200	1200	1200	1200
	Natural Gas Meter 0812933 -	0.8320	32000	32000	32000	32000	32000	32000	32000	32000	32000
	Natural Gas Meter 0814134 -	0.8320	0	0	0	0	0	0	0	0	0
-Tailings Water Management-											
711030 - Water Analysis:											
	A-list	46.00	0	0	0	0	0	0	0	0	0
	B-list	170.00	30	30	30	30	0	0	0	0	0
	C-list	28.00	0	0	0	0	0	0	0	0	0

GRANTS PROJECT
Scenario F Closure Cost Estimate
Unit Costs/Quantities
2009 Through Completion

WATER TREATMENT (Cont.) XXXXXX-810-23-5100		UNIT COST	2009	2010	2011	2012	2013	2014	2015	2016	2017
711030 - Water Analysis (Cont.):											
	D-list	290.00	0	0	0	0	0	0	0	0	0
	E-list	46.00	0	0	0	0	0	0	0	0	0
	F-list	138.00	0	0	0	0	0	0	0	0	0
	G-list	55.00	13	13	13	13	0	0	0	0	0
	H-list	77.50	39	39	39	39	10	10	10	10	0
	I-list	59.50	0	0	0	0	0	0	0	0	0
	J-list	77.50	0	0	0	0	0	0	0	0	0
714010 - Driller costs:											
	New Tailings Wells	3,400.00	0	0	0	0	0	0	0	0	0
	Tailings Well Development	400.00	20	20	20	10	0	0	0	0	0
	5" Tailings Well/Sump Abandonment	640.00	0	0	0	0	215	0	0	5	0
	2" Tailings Well Abandonment	220.00	0	0	0	0	215	0	0	5	0
	Perched Alluvial Well Abandonment	350.00	0	0	0	0	56	0	0	0	0
	U. Chinle Well Development	700.00	0	0	0	0	0	0	0	0	0
	U. Chinle Well Abandonment	1,300.00	0	0	0	0	0	0	0	0	9
	M. Chinle Well Development	700.00	0	0	0	0	0	0	0	0	0
	M. Chinle Well Abandonment	1,300.00	0	0	0	0	0	0	0	0	7
610020 - Utilities:											
	Electrical Meter 453180401	0.0820	24482	22793	21105	17728	0	0	0	0	0
	Electrical Meter 453086900	0.0820	0	0	0	0	0	0	0	0	0
Tailings Collection											
714090 - Outside Services:											
	City Electric	2,000.00	1	1	1	1	0	0	0	0	0
	Northwest Geophysical	7,000.00	1	1	1	1	0	0	0	0	0
	Surveyor	5,000.00	0	0	0	0	0	0	0	0	0
	Pump/motor repair	8,000.00	1	1	1	1	0	0	0	0	0
711040 - Consulting Services:											
	Hydrologist/Engineer	15,000.00	1	1	1	1	0	0	0	0	0
711020 - Parts and Supplies:											
	Collection Wellhead Materials	500.00	20	20	20	10	0	0	0	0	0
	Piping and Fittings	1,000.00	4	4	4	2	0	0	0	0	0
	Valves	200.00	20	20	20	10	0	0	0	0	0
	Meters	50.00	20	20	20	5	0	0	0	0	0
	Electrical System Parts	500.00	20	20	20	10	0	0	0	0	0
712010 - Pumps:											
	Submersible Pumps	500.00	30	30	30	20	0	0	0	0	0

GRANTS PROJECT
Scenario F Closure Cost Estimate
Unit Costs/Quantities
2009 Through Completion

WATER TREATMENT (Cont.) XXXXXX-810-23-5100		UNIT COST	2009	2010	2011	2012	2013	2014	2015	2016	2017
Toe Drains and Sumps Collection											
711040 - Consulting Services:											
	Hydrologist/Engineer -	5,000.00	1	1	1	1	0	0	0	0	0
714090 - Outside Services:											
	Pump/motor repair -	1,000.00	1	1	1	1	0	0	0	0	0
	City Electric -	500.00	1	1	1	1	0	0	0	0	0
711020 - Parts and Supplies:											
	Sump Collection Materials -	500.00	2	2	2	2	0	0	0	0	0
	Piping and Fittings -	100.00	1	1	1	1	0	0	0	0	0
	Valves -	200.00	2	2	2	2	0	0	0	0	0
	Meters -	50.00	2	2	2	2	0	0	0	0	0
	Electrical System Parts -	500.00	2	2	2	2	0	0	0	0	0
712010 - Pumps:											
	Submersible Pumps -	310.00	1	1	1	1	0	0	0	0	0
Tailings Flushing System											
711040 - Consulting Services:											
	Hydrologist/Engineer -	15,000.00	1	1	1	0	0	0	0	0	0
714090 - Outside Services:											
	City Electric -	2,000.00	1	1	1	0	0	0	0	0	0
	Pump/motor repair -	1,000.00	1	1	1	0	0	0	0	0	0
Injection System											
711020 - Parts and Supplies:											
	Injection Wellhead Materials -	300.00	0	0	0	0	0	0	0	0	0
	Piping and Fittings -	1,000.00	0	0	0	0	0	0	0	0	0
	Valves -	200.00	0	0	0	0	0	0	0	0	0
	Meters -	50.00	0	0	0	0	0	0	0	0	0
Injection Supply System											
711020 - Parts and Supplies:											
	Collection Wellhead Materials -	1,000.00	0	0	0	0	0	0	0	0	0
	Piping and Fittings -	2,000.00	0	0	0	0	0	0	0	0	0
	Valves -	200.00	0	0	0	0	0	0	0	0	0
	Meters -	50.00	0	0	0	0	0	0	0	0	0
	Electrical System Parts -	1,000.00	0	0	0	0	0	0	0	0	0
712010 - Pumps:											
	Submersible Pumps -	2,100.00	1	0	1	0	0	0	0	0	0
610020 - Utilities:											
	Electrical Meter 453086700 -	0.0820	85000	85000	85000	0	0	0	0	0	0
	Electrical Meter 453086800 -	0.0820	85000	85000	85000	0	0	0	0	0	0
	Electrical Meter 453096100 -	0.0820	85000	85000	85000	0	0	0	0	0	0
	Electrical Meter 453097500 -	0.0820	45000	45000	45000	0	0	0	0	0	0
	Electrical Meter 453194300 -	0.0820	85000	85000	85000	0	0	0	0	0	0
	Electrical Meter 453181501 -	0.0820	45000	45000	45000	0	0	0	0	0	0

GRANTS PROJECT
Scenario F Closure Cost Estimate
Unit Costs/Quantities
2009 Through Completion

WATER TREATMENT (Cont.) XXXXXX-810-23-5100		UNIT COST										
			2009	2010	2011	2012	2013	2014	2015	2016	2017	
-Groundwater Management-												
711030 - Water Analysis:												
	A-list	46.00	5	5	5	5	5	5	5	4	4	
	B-list	170.00	68	68	68	68	68	68	68	40	10	
	C-list	28.00	0	0	0	0	0	0	0	0	0	
	D-list	290.00	0	0	0	0	0	0	0	1	1	
	E-list	46.00	0	0	0	0	0	0	0	0	0	
	F-list	138.00	8	8	8	8	8	8	8	5	2	
	G-list	55.00	22	22	22	22	22	22	22	20	15	
	H-list	77.50	118	118	118	118	118	118	118	80	60	
	I-list	59.50	46	46	46	46	46	46	46	20	10	
	J-list	77.50	83	83	83	83	83	83	83	50	15	
	Column Tests	118.00	0	0	0	0	0	0	0	0	0	
714010 - Driller costs:												
	New Alluvial Wells -	3,100.00	5	5	5	5	5	0	0	0	0	
	Alluvial Well Development -	550.00	5	5	5	5	5	0	0	0	0	
	Alluvial Well Abandonment -	750.00	0	0	0	0	0	0	0	180	180	
	New U. Chinle Wells -	7,300.00	1	0	0	0	0	0	0	0	0	
	U. Chinle Well Development -	700.00	1	1	1	1	1	1	1	0	0	
	U. Chinle Well Abandonment -	1,300.00	0	0	0	0	0	0	0	0	14	
	New M. Chinle Wells -	7,300.00	0	0	0	0	0	0	0	0	0	
	M. Chinle Well Development -	700.00	1	1	1	1	1	1	1	0	0	
	M. Chinle Well Abandonment -	1,300.00	0	0	0	0	0	0	0	0	10	
	New L. Chinle Wells -	7,300.00	0	0	0	0	0	0	0	0	0	
	L. Chinle Well Development -	700.00	1	1	1	1	1	1	1	0	0	
	L. Chinle Well Abandonment -	1,300.00	0	0	0	0	0	0	0	0	2	
	San Andres Well Abandonment -	3,000.00	0	0	0	0	0	0	0	0	2	
	Drilling Mobilization/Demobilization -	6,000.00	1	1	1	1	1	1	1	2	3	
Groundwater Collection												
714090 - Outside Services:												
	City Electric -	10,000.00	1	1	1	1	1	1	1	0	0	
	Continental Divide -	5,000.00	1	1	1	1	1	1	1	0	0	
	Surveyor -	2,000.00	1	1	1	1	1	1	1	0	0	
	Northwest Geophysical -	2,000.00	1	1	1	1	1	1	1	0	0	
711040 - Consulting Services:												
	Hydrologist/Engineer -	20,000.00	1	1	1	1	1	1	1	0	0	
610020 - Utilities:												
	Electrical Meter 453180401 -	0.0820	272020	272020	272020	272020	272020	243880	243880	0	0	
C-Line												
711020 - Parts and Supplies:												
	Collection Wellhead Materials -	1,000.00	0	0	0	0	0	0	0	0	0	
	Piping and Fittings -	500.00	0	0	0	0	0	0	0	0	0	
	Valves -	200.00	0	0	0	0	0	0	0	0	0	
	Meters -	50.00	0	0	0	0	0	0	0	0	0	
	Electrical System Parts -	500.00	0	0	0	0	0	0	0	0	0	

GRANTS PROJECT
Scenario F Closure Cost Estimate
Unit Costs/Quantities
2009 Through Completion

WATER TREATMENT (Cont.) XXXXXX-810-23-5100		UNIT COST	2009	2010	2011	2012	2013	2014	2015	2016	2017
712010 - Pumps:											
	Submersible Pumps -	2,100.00	0	0	0	0	0	0	0	0	0
K-Line											
711020 - Parts and Supplies:											
	Collection Wellhead Materials -	1,000.00	1	1	1	1	1	1	1	0	0
	Piping and Fittings -	500.00	1	1	1	1	1	1	1	0	0
	Valves -	200.00	1	1	1	1	1	1	1	0	0
	Meters -	50.00	1	1	1	1	1	1	1	0	0
	Electrical System Parts -	500.00	1	1	1	1	1	1	1	0	0
712010 - Pumps:											
	Submersible Pumps -	2,100.00	1	1	1	1	1	1	1	0	0
610020 - Utilities:											
	Electrical Meter 453183000 -	0.0820	3000	3000	3000	3000	3000	3000	3000	0	0
B-Line											
711020 - Parts and Supplies:											
	Collection Wellhead Materials -	1,000.00	0	0	0	0	0	0	0	0	0
	Piping and Fittings -	500.00	0	0	0	0	0	0	0	0	0
	Valves -	200.00	0	0	0	0	0	0	0	0	0
	Meters -	50.00	0	0	0	0	0	0	0	0	0
	Electrical System Parts -	500.00	0	0	0	0	0	0	0	0	0
712010 - Pumps:											
	Submersible Pumps -	2,100.00	0	0	0	0	0	0	0	0	0
D-Line											
711020 - Parts and Supplies:											
	Collection Wellhead Materials -	1,000.00	1	1	1	1	1	0	0	0	0
	Piping and Fittings -	500.00	1	1	1	1	1	0	0	0	0
	Valves -	200.00	1	1	1	1	1	0	0	0	0
	Meters -	50.00	1	1	1	1	1	0	0	0	0
	Electrical System Parts -	500.00	1	1	1	1	1	0	0	0	0
712010 - Pumps:											
	Submersible Pumps -	2,100.00	1	1	1	1	1	0	0	0	0
S-Line											
711020 - Parts and Supplies:											
	Collection Wellhead Materials -	1,000.00	1	1	1	1	1	0	0	0	0
	Piping and Fittings -	500.00	1	1	1	1	1	0	0	0	0
	Valves -	200.00	1	1	1	1	1	0	0	0	0
	Meters -	50.00	1	1	1	1	1	0	0	0	0
	Electrical System Parts -	500.00	1	1	1	1	1	0	0	0	0
712010 - Pumps:											
	Submersible Pumps -	2,100.00	1	1	1	1	1	0	0	0	0
610020 - Utilities:											
	Electrical Meter 453088300 -	0.0820	15000	15000	15000	15000	15000	0	0	0	0
P-Line											
711020 - Parts and Supplies:											
	Collection Wellhead Materials -	1,000.00	0	0	0	0	0	0	0	0	0
	Piping and Fittings -	500.00	0	0	0	0	0	0	0	0	0
	Valves -	200.00	0	0	0	0	0	0	0	0	0
	Meters -	50.00	0	0	0	0	0	0	0	0	0
	Electrical System Parts -	500.00	0	0	0	0	0	0	0	0	0

GRANTS PROJECT
Scenario F Closure Cost Estimate
Unit Costs/Quantities
2009 Through Completion

WATER TREATMENT (Cont.) XXXXXX-810-23-5100		UNIT COST	2009	2010	2011	2012	2013	2014	2015	2016	2017
			712010 - Pumps:	Submersible Pumps -	2,100.00	0	0	0	0	0	0
610020 - Utilities:	Electrical Meter 433985700 -	0.0820	3000	3000	3000	3000	3000	3000	3000	3000	3000
T-Line											
711020 - Parts and Supplies:	Collection Wellhead Materials -	1,000.00	2	2	2	2	2	2	2	0	0
	Piping and Fittings -	500.00	1	1	1	1	1	1	1	0	0
	Valves -	200.00	2	2	2	2	2	2	2	0	0
	Meters -	50.00	2	2	2	2	2	2	2	0	0
	Electrical System Parts -	500.00	2	2	2	2	2	2	2	0	0
712010 - Pumps:	Submersible Pumps -	2,100.00	2	2	2	2	2	2	2	0	0
L-Line											
711020 - Parts and Supplies:	Collection Wellhead Materials -	1,000.00	0	0	0	0	0	0	0	0	0
	Piping and Fittings -	500.00	0	0	0	0	0	0	0	0	0
	Valves -	200.00	0	0	0	0	0	0	0	0	0
	Meters -	50.00	0	0	0	0	0	0	0	0	0
	Electrical System Parts -	500.00	0	0	0	0	0	0	0	0	0
712010 - Pumps:	Submersible Pumps -	2,100.00	0	0	0	0	0	0	0	0	0
610020 - Utilities:	Electrical Meter 453195100 -	0.0820	0	0	0	0	0	0	0	0	0
521, 522, and 639											
711020 - Parts and Supplies:	Collection Wellhead Materials -	1,000.00	0	0	0	0	0	0	0	0	0
	Piping and Fittings -	500.00	0	0	0	0	0	0	0	0	0
	Valves -	200.00	0	0	0	0	0	0	0	0	0
	Meters -	50.00	0	0	0	0	0	0	0	0	0
	Electrical System Parts -	500.00	0	0	0	0	0	0	0	0	0
712010 - Pumps:	Submersible Pumps -	2,100.00	0	0	0	0	0	0	0	0	0
610020 - Utilities:	Electrical Meter 453196200 -	0.0820	0	0	0	0	0	0	0	0	0
Groundwater Injection											
714090 - Outside Services:	Surveyor -	2,000.00	1	1	1	1	1	1	1	0	0
711040 - Consulting Services:	Hydrologist/Engineer -	20,000.00	1	1	1	1	1	1	1	0	0
Deep Wells											
711020 - Parts and Supplies:	Collection Wellhead Materials -	1,500.00	1	1	1	1	1	1	1	1	1
	Piping and Fittings -	500.00	1	1	1	1	1	1	1	1	1
	Valves -	450.00	1	1	1	1	1	1	1	1	1

GRANTS PROJECT
Scenario F Closure Cost Estimate
Unit Costs/Quantities
2009 Through Completion

WATER TREATMENT (Cont.) XXXXXX-810-23-5100		UNIT COST	2009	2010	2011	2012	2013	2014	2015	2016	2017
711020 - Parts and Supplies (Cont.):											
	Meters -	2,000.00	1	1	1	1	1	1	1	1	1
	Electrical System Parts -	1,000.00	1	1	1	1	1	1	1	1	1
712010 - Pumps:											
	Submersible Pumps -	5,000.00	1	1	1	1	1	1	1	1	1
610020 - Utilities:											
	Electrical Meter 453180401 -	0.0820	281400	281400	281400	93800	93800	93800	93800	93800	93800
	Electrical Meter 453190200 -	0.0820	10000	10000	10000	10000	10000	10000	10000	10000	10000
WR-Line											
711020 - Parts and Supplies:											
	Injection Wellhead Materials -	350.00	0	0	0	0	0	0	0	0	0
	Piping and Fittings -	500.00	0	0	0	0	0	0	0	0	0
	Valves -	200.00	0	0	0	0	0	0	0	0	0
	Meters -	50.00	0	0	0	0	0	0	0	0	0
M-Line											
711020 - Parts and Supplies:											
	Injection Wellhead Materials -	350.00	0	0	0	0	0	0	0	0	0
	Piping and Fittings -	500.00	0	0	0	0	0	0	0	0	0
	Valves -	200.00	0	0	0	0	0	0	0	0	0
	Meters -	50.00	0	0	0	0	0	0	0	0	0
B-Line											
711020 - Parts and Supplies:											
	Injection Wellhead Materials -	350.00	2	2	2	2	2	0	0	0	0
	Piping and Fittings -	500.00	2	2	2	2	2	0	0	0	0
	Valves -	200.00	2	2	2	2	2	0	0	0	0
	Meters -	50.00	2	2	2	2	2	0	0	0	0
C-Line											
711020 - Parts and Supplies:											
	Injection Wellhead Materials -	350.00	2	2	2	2	1	0	0	0	0
	Piping and Fittings -	500.00	1	1	1	1	1	0	0	0	0
	Valves -	200.00	2	2	2	2	1	0	0	0	0
	Meters -	50.00	2	2	2	2	1	0	0	0	0
K-Line											
711020 - Parts and Supplies:											
	Injection Wellhead Materials -	350.00	0	0	0	0	0	0	0	0	0
	Piping and Fittings -	500.00	0	0	0	0	0	0	0	0	0
	Valves -	200.00	0	0	0	0	0	0	0	0	0
	Meters -	50.00	0	0	0	0	0	0	0	0	0
J-Line											
711020 - Parts and Supplies:											
	Injection Wellhead Materials -	350.00	0	0	0	0	0	0	0	0	0
	Piping and Fittings -	500.00	0	0	0	0	0	0	0	0	0
	Valves -	200.00	0	0	0	0	0	0	0	0	0
	Meters -	50.00	0	0	0	0	0	0	0	0	0

GRANTS PROJECT
Scenario F Closure Cost Estimate
Unit Costs/Quantities
2009 Through Completion

WATER TREATMENT (Cont.) XXXXXX-810-23-5100		UNIT COST	2009	2010	2011	2012	2013	2014	2015	2016	2017
X-Line											
711020 - Parts and Supplies:											
	Injection Wellhead Materials -	350.00	2	2	2	2	2	0	0	0	0
	Piping and Fittings -	500.00	1	1	1	1	1	0	0	0	0
	Valves -	200.00	2	2	2	2	2	0	0	0	0
	Meters -	50.00	2	2	2	2	2	0	0	0	0
G-Line											
711020 - Parts and Supplies:											
	Injection Wellhead Materials -	350.00	0	0	0	0	0	0	0	0	0
	Piping and Fittings -	500.00	0	0	0	0	0	0	0	0	0
	Valves -	200.00	0	0	0	0	0	0	0	0	0
	Meters -	50.00	0	0	0	0	0	0	0	0	0
D-Line											
711020 - Parts and Supplies:											
	Injection Wellhead Materials -	350.00	2	2	2	2	2	2	2	0	0
	Piping and Fittings -	500.00	1	1	1	1	1	1	1	0	0
	Valves -	200.00	2	2	2	2	2	2	2	0	0
	Meters -	50.00	2	2	2	2	2	2	2	0	0
T-Line											
711020 - Parts and Supplies:											
	Injection Wellhead Materials -	350.00	3	3	3	3	3	3	1	0	0
	Piping and Fittings -	500.00	1	1	1	1	1	1	1	0	0
	Valves -	200.00	3	3	3	3	3	3	1	0	0
	Meters -	50.00	3	3	3	3	3	3	1	0	0
S-Line											
711020 - Parts and Supplies:											
	Injection Wellhead Materials -	350.00	2	2	2	2	2	1	1	0	0
	Piping and Fittings -	500.00	1	1	1	1	1	1	1	0	0
	Valves -	200.00	2	2	2	2	2	1	1	0	0
	Meters -	50.00	2	2	2	2	2	1	1	0	0
Upper Chinle											
711020 - Parts and Supplies:											
	Injection Wellhead Materials -	350.00	0	0	0	0	0	0	0	0	0
	Piping and Fittings -	500.00	0	0	0	0	0	0	0	0	0
	Valves -	200.00	0	0	0	0	0	0	0	0	0
	Meters -	50.00	0	0	0	0	0	0	0	0	0
Middle Chinle											
711020 - Parts and Supplies:											
	Injection Wellhead Materials -	350.00	0	0	0	0	0	0	0	0	0
	Piping and Fittings -	500.00	0	0	0	0	0	0	0	0	0
	Valves -	200.00	0	0	0	0	0	0	0	0	0
	Meters -	50.00	0	0	0	0	0	0	0	0	0

GRANTS PROJECT
Scenario F Closure Cost Estimate
Unit Costs/Quantities
2009 Through Completion

WATER TREATMENT (Cont.) XXXXXX-810-23-5100		UNIT COST									
			2009	2010	2011	2012	2013	2014	2015	2016	2017
R.O. Plant Operations											
714090 - Outside Services:											
	City Electric -	8,000.00	1	1	1	1	1	1	1	0	0
	Pump/motor repair -	10,000.00	1	1	1	1	1	1	1	0	0
	R.O. Plant Refurbishment	1,000,000.00	0	0	0	0	0	0	0	0	0
	R.O. Plant Upgrades	5,000.00	0	0	0	0	0	0	0	0	0
	Miscellaneous R.O. Plant Equipment	1,000.00	0	0	0	0	0	0	0	0	0
711040 - Consulting Services:											
	Hydrologist/Engineer -	10,000.00	1	1	1	1	1	1	1	0	0
	R.O. Engineer -	5,000.00	1	1	1	1	1	1	1	0	0
	Electronics -	10,000.00	1	1	1	1	1	1	1	0	0
610020 - Utilities:											
	Electrical Meter 453180503 -	0.0820	2307600	2307600	2307600	2307600	2307600	2307600	2307600	10000	10000
	Natural Gas Meter 0807957 -	0.8320	5700	5700	5700	5700	5700	5700	5700	5700	5700
711020 - Parts and Supplies:											
	Piping and Fittings -	1,000.00	1	1	1	1	1	1	1	0	0
	Valves -	4,000.00	1	1	1	1	1	1	1	0	0
	Meters -	4,000.00	1	1	1	1	1	1	1	0	0
	Computer -	5,000.00	1	1	1	1	1	1	1	0	0
	Equipment Maintenance/Upgrade -	10,000.00	0	0	0	0	0	0	0	0	0
	Instruments -	15,000.00	1	1	1	1	1	1	1	0	0
	Filters -	10.50	1,400.00	1,400.00	1,400.00	1,400.00	1,400.00	1,400.00	1,400.00	0.00	0.00
	Membranes (LPRO) -	484.00	288.00	288.00	288.00	288.00	288.00	288.00	288.00	0.00	0.00
	Membranes (HPRO) -	789.00	88.00	88.00	88.00	88.00	88.00	88.00	88.00	0.00	0.00
	Sand Filter Media -	8,000.00	1	1	1	1	1	1	1	0	0
	Air Diffusers -	2,000.00	1	1	1	1	1	1	1	0	0
	Caustic Soda -	0.26	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	0	0
	Sulfuric Acid -	0.11	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	0	0
	Anti-Scalant -	700.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	0.00	0.00
	Lime (Bulk) -	0.10	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	0	0
	Muriatic Acid -	3.78	310.00	310.00	310.00	310.00	310.00	310.00	310.00	0.00	0.00
	Membrane Cleaner -	1,833.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	0.00	0.00
	Building / Facility -	2,000.00	1	1	1	1	1	1	1	0	0
	Heating / AC -	2,000.00	1	1	1	1	1	1	1	0	0
	Electrical -	2,000.00	1	1	1	1	1	1	1	0	0
712010 - Pumps:											
	Pumps/Starters -	20,000.00	1	1	1	1	1	1	1	0	0
711030 - Water Analysis:											
	A-list	46.00	0	0	0	0	0	0	0	0	0
	B-list	170.00	6	6	6	6	6	6	6	0	0
	C-list	28.00	0	0	0	0	0	0	0	0	0
	D-list	290.00	0	0	0	0	0	0	0	0	0
	E-list	46.00	0	0	0	0	0	0	0	0	0
	F-list	138.00	0	0	0	0	0	0	0	0	0
	G-list	55.00	28	28	28	28	28	28	28	0	0
	H-list	77.50	0	0	0	0	0	0	0	0	0
	I-list	59.50	0	0	0	0	0	0	0	0	0
	J-list	77.50	0	0	0	0	0	0	0	0	0

GRANTS PROJECT
Scenario F Closure Cost Estimate
Unit Costs/Quantities
2009 Through Completion

WATER TREATMENT (Cont.) XXXXXX-810-23-5100		UNIT COST									
			2009	2010	2011	2012	2013	2014	2015	2016	2017
In-Situ Biotesting & Remediation											
714090 - Outside Services:											
	City Electric -	1,000.00	1	0	0	0	0	0	0	0	0
711040 - Consulting Services:											
	Hydrologist/Engineer -	15,000.00	1	0	0	0	0	0	0	0	0
	Bio-Engineer -	50,000.00	1	0	0	0	0	0	0	0	0
711020 - Parts and Supplies:											
	Piping and Fittings -	1,000.00	1	0	0	0	0	0	0	0	0
	Valves -	200.00	5	0	0	0	0	0	0	0	0
	Meters -	50.00	3	0	0	0	0	0	0	0	0
	Instruments -	1,000.00	1	0	0	0	0	0	0	0	0
	Data Control Equipment -	12,000.00	1	0	0	0	0	0	0	0	0
	Phosphorous Source -	1.00	0	0	0	0	0	0	0	0	0
	Carbon Source -	0.00300	78840000	0	0	0	0	0	0	0	0
712010 - Pumps:											
	Pumps -	2,100.00	1	0	0	0	0	0	0	0	0
711030 - Water Analysis:											
	A-list	46.00	0	0	0	0	0	0	0	0	0
	B-list	170.00	10	0	0	0	0	0	0	0	0
	C-list	28.00	0	0	0	0	0	0	0	0	0
	D-list	290.00	0	0	0	0	0	0	0	0	0
	E-list	46.00	0	0	0	0	0	0	0	0	0
	F-list	138.00	0	0	0	0	0	0	0	0	0
	G-list	55.00	0	0	0	0	0	0	0	0	0
	H-list	77.50	186	0	0	0	0	0	0	0	0
	I-list	59.50	0	0	0	0	0	0	0	0	0
	J-list	77.50	0	0	0	0	0	0	0	0	0
-Evaporation System Management-											
714090 - Outside Services:											
	City Electric -	2,000.00	1	1	1	1	1	1	1	1	1
	Pump/motor Repair -	5,000.00	1	2	1	2	1	1	2	1	1
	Liner Repair -	20,000.00	1	1	1	1	1	1	1	1	0
	Pond 3 Construction	2,238,667.28	1	0	0	0	0	0	0	0	0
711040 - Consulting Services:											
	Hydrologist/Engineer -	10,000.00	1	1	1	1	1	1	1	1	1
	Odor Control -	20,000.00	0	1	0	0	0	1	0	0	0
711030 - Water Analysis:											
	A-list	46.00	0	0	0	0	0	0	0	0	0
	B-list	170.00	6	6	6	6	6	6	6	3	0
	C-list	28.00	0	0	0	0	0	0	0	0	0
	D-list	290.00	0	0	0	0	0	0	0	0	0
	E-list	46.00	0	0	0	0	0	0	0	0	0
	F-list	138.00	6	6	6	6	6	6	6	3	0
	G-list	55.00	0	0	0	0	0	0	0	0	0
	H-list	77.50	17	17	17	17	17	17	17	8	0
	I-list	59.50	0	0	0	0	0	0	0	0	0
	J-list	77.50	0	0	0	0	0	0	0	0	0

GRANTS PROJECT
Scenario F Closure Cost Estimate
Unit Costs/Quantities
2009 Through Completion

WATER TREATMENT (Cont.) XXXXXX-810-23-5100		UNIT COST	2009	2010	2011	2012	2013	2014	2015	2016	2017
			610020 - Utilities:								
Electrical Meter 453180401 -	0.0820	3087389.5	3087389.5	3087389.5	3087389.5	1407000	1407000	1407000	938000	0	
East Collection Pond											
711020 - Parts and Supplies:											
Piping and Fittings -	2,000.00	1	1	1	1	1	1	1	1	1	0
Valves -	1,000.00	1	1	1	1	1	1	1	1	1	0
Meters -	2,000.00	1	1	1	1	1	1	1	1	1	0
West Collection Pond											
711020 - Parts and Supplies:											
Piping and Fittings -	2,000.00	1	1	1	1	1	1	1	1	1	0
Sludge Transfer Materials -	45,000.00	0	0	0	1	0	0	0	0	0	0
Valves -	1,000.00	1	1	1	1	1	1	1	1	1	0
Meters -	2,000.00	1	1	1	1	1	1	1	1	1	0
No. 1 Evaporation Pond											
711020 - Parts and Supplies:											
Piping and Fittings -	2,000.00	1	1	1	1	0	0	0	0	0	0
General Spray Nozzles -	68.00	200	200	200	200	0	0	0	0	0	0
Valves -	1,000.00	1	1	1	1	0	0	0	0	0	0
Meters -	2,000.00	1	1	1	1	0	0	0	0	0	0
Copper Sulfate -	2.49	6000	6000	6000	6000	0	0	0	0	0	0
Nozzle for Turbo-Mist Unit -	32.15	60	60	60	60	0	0	0	0	0	0
712010 - Pumps:											
Turbo-Mist Unit -	50,000.00	0	0	0	0	0	0	0	0	0	0
Centrifugal Pumps -	5,000.00	2	2	2	2	0	0	0	0	0	0
Centrifugal Pump Parts -	2,000.00	1	1	1	1	0	0	0	0	0	0
Pump and Motor Repair for Turbo-Mist Unit -	3,000.00	1	1	1	1	0	0	0	0	0	0
No. 2 and No. 3 Evaporation Pond											
711020 - Parts and Supplies:											
Piping and Fittings (Pond 2)-	2,000.00	1	2	1	2	1	2	1	1	1	0
Spray Nozzles (Pond 2)-	68.00	20	20	20	20	20	20	20	20	20	0
Valves (Pond 2)-	1,000.00	1	2	1	2	1	2	1	1	1	0
Meters (Pond 2)-	2,000.00	1	2	1	2	1	2	1	1	1	0
Copper Sulfate (Pond 2)-	2.49	12000	12000	12000	12000	12000	12000	12000	12000	12000	0
Piping and Fittings (Pond 3)-	2,000.00	25	2	1	2	1	2	1	1	1	0
Spray Nozzles (Pond 3)-	68.00	40	40	20	20	20	20	20	20	20	0
Valves (Pond 3)-	1,000.00	2	2	1	1	1	1	1	1	1	0
Meters (Pond 3)-	2,000.00	2	1	1	1	1	1	1	1	1	0
Copper Sulfate (Pond3)-	2.49	2000	5000	5000	5000	5000	5000	5000	5000	5000	0
712010 - Pumps:											
Centrifugal Pumps (Pond 2)-	5,000.00	3	3	3	3	3	3	3	3	1	0
Centrifugal Pump Parts(Pond 2) -	2,000.00	2	1	2	1	2	1	2	2	1	0
Centrifugal Pumps (Pond 3)-	5,000.00	2	1	1	1	1	1	1	1	1	0
Centrifugal Pump Parts(Pond 3) -	2,000.00	0	1	1	1	1	1	1	1	1	0
-Irrigation System Management-											
714090 - Outside Services:											
City Electric -	2,000.00	1	1	1	1	1	1	1	1	1	1
Continental Divide -	5,000.00	1	1	1	1	1	1	1	1	1	1

GRANTS PROJECT
Scenario F Closure Cost Estimate
Unit Costs/Quantities
2009 Through Completion

WATER TREATMENT (Cont.) XXXXXX-810-23-5100		UNIT COST	2009	2010	2011	2012	2013	2014	2015	2016	2017
714090 - Outside Services (Cont.):											
	Surveying -	2,000.00	0	0	0	0	0	0	0	0	0
	Field Prep & Planting -	5,000.00	0	0	0	0	0	0	0	0	0
	Pump/motor Repair -	2,000.00	1	1	1	1	1	1	1	1	1
711040 - Consulting Services:											
	Hydrologist/Engineer-	15,000.00	1	1	1	1	1	1	1	1	1
	Other -	5,000.00	1	1	1	1	1	1	1	1	1
711020 - Parts and Supplies:											
	Agricultural Equipment Maintenance -	10,000.00	1	1	1	1	1	1	1	1	1
	Agricultural Equipment Fuel -	2.83	1500	1500	1500	1500	1500	1500	1500	1500	1500
	Lubricants -	1,000.00	1	1	1	1	1	1	1	1	1
	Alfalfa -	2.55	0	0	0	0	0	0	0	0	0
	Cereal Grains -	0.90	0	0	0	0	0	0	0	0	0
	Fertilizer -	0.15	0	0	0	0	0	0	0	0	0
	Fencing -	2,000.00	1	1	1	1	1	1	1	1	1
718070 - Vegetation Analysis:		40.50	160	160	160	160	160	160	160	160	160
718030 - Soil Analysis:		245.00	24	24	24	24	24	24	24	24	24
711030 - Water Analysis:											
	A-list	46.00	0	0	0	0	0	0	0	0	0
	B-list	170.00	13	13	13	13	13	13	13	13	13
	C-list	28.00	0	0	0	0	0	0	0	0	0
	D-list	290.00	0	0	0	0	0	0	0	0	0
	E-list	46.00	0	0	0	0	0	0	0	0	0
	F-list	138.00	5	5	5	5	5	5	5	5	5
	G-list	55.00	14	14	14	14	14	14	14	14	14
	H-list	77.50	49	49	49	49	49	49	49	49	49
	I-list	59.50	29	29	29	29	29	29	29	29	29
	J-List	77.50	46	46	46	46	46	46	46	46	46
714010 - Driller costs:											
	New Alluvial Wells -	3,100.00	1	1	1	1	1	1	1	1	1
	Alluvial Well Development -	550.00	1	1	1	1	1	1	1	1	1
	Alluvial Well Abandonment -	750.00	0	0	0	0	0	0	0	0	0
	U. Chinle Well Abandonment -	1,300.00	0	0	0	0	0	0	0	0	0
	U. Chinle Well Development -	700.00	1	1	1	1	1	1	1	0	0
	M. Chinle Well Abandonment -	1,300.00	0	0	0	0	0	0	0	0	0
	M. Chinle Well Development -	700.00	1	1	1	1	1	1	1	0	0
	L. Chinle Well Abandonment -	1,300.00	0	0	0	0	0	0	0	0	0
	L. Chinle Well Development -	700.00	1	1	1	1	1	1	1	0	0
Section 34 Flood Irrigation											
Section 34 Distribution System											
711020 - Parts and Supplies:											
	Piping and Fittings -	2,000.00	1	1	1	1	1	1	1	1	1
	Valves -	600.00	1	1	1	1	1	1	1	1	1
	Meters -	3,000.00	0	1	0	1	0	1	0	1	1
Section 34 Irrigation Supply System											
711020 - Parts and Supplies:											
	Collection Wellhead Materials -	1,000.00	1	1	1	1	1	1	1	1	1
	Piping and Fittings -	500.00	1	1	1	1	1	1	1	1	1

GRANTS PROJECT
Scenario F Closure Cost Estimate
Unit Costs/Quantities
2009 Through Completion

WATER TREATMENT (Cont.) XXXXXX-810-23-5100		UNIT COST	2009	2010	2011	2012	2013	2014	2015	2016	2017
Section 34 Irrigation Supply System (Cont.)											
	Valves -	200.00	2	2	2	2	2	2	2	2	2
	Meters -	500.00	0	0	0	0	0	0	0	0	0
	Electrical System Parts -	500.00	2	2	2	2	2	2	2	2	2
712010 - Pumps:											
	Submersible Pumps -	3,500.00	2	2	2	2	2	2	2	2	2
610020 - Utilities:											
	Electrical Meter 453372500 -	0.0820	85000	85000	85000	85000	85000	85000	85000	85000	85000
	Electrical Meter 453370700 -	0.0820	75000	75000	75000	75000	75000	75000	75000	75000	75000
	Electrical Meter 453289200 -	0.0820	30000	30000	30000	30000	30000	30000	30000	30000	30000
	Electrical Meter 453287400 -	0.0820	100000	100000	100000	100000	100000	100000	100000	100000	100000
	Electrical Meter 453287900 -	0.0820	35000	35000	35000	35000	35000	35000	35000	35000	35000
	Electrical Meter 453?????? -	0.0820	30000	30000	30000	30000	30000	30000	30000	30000	30000
Sections 34, 35, and 3 Injection Supply System											
711020 - Parts and Supplies:											
	Collection Wellhead Materials -	1,000.00	0	0	0	0	0	0	0	0	0
	Piping and Fittings -	500.00	0	0	0	0	0	0	0	0	0
	Valves -	200.00	0	0	0	0	0	0	0	0	0
	Meters -	50.00	0	0	0	0	0	0	0	0	0
	Electrical System Parts -	500.00	0	0	0	0	0	0	0	0	0
712010 - Pumps:											
	Submersible Pumps -	2,100.00	0	0	0	0	0	0	0	0	0
610020 - Utilities:											
	Electrical Meter 453282100 -	0.0820	0	0	0	0	0	0	0	0	0
	Electrical Meter 453289200 -	0.0820	0	0	0	0	0	0	0	0	0
	Electrical Meter 453285800 -	0.0820	0	0	0	0	0	0	0	0	0
Sections 34, 35, and 3 Injection System											
711020 - Parts and Supplies:											
	Injection Wellhead Materials -	350.00	0	0	0	0	0	0	0	0	0
	Piping and Fittings -	500.00	0	0	0	0	0	0	0	0	0
	Valves -	200.00	0	0	0	0	0	0	0	0	0
	Meters -	50.00	0	0	0	0	0	0	0	0	0
Section 33 Center Pivot Irrigation											
Section 33 Center Pivot											
711020 - Parts and Supplies:											
	Plumbing and Fittings -	2,000.00	1	1	1	1	1	1	1	1	1
610020 - Utilities:											
	Electrical Meter 453267900 -	0.0820	22000	22000	22000	22000	22000	22000	22000	22000	22000
Section 33 Distribution System											
711020 - Parts and Supplies:											
	Piping and Fittings -	2,000.00	1	1	1	1	1	1	1	1	1
	Valves -	600.00	1	1	1	1	1	1	1	1	1
	Meters -	3,000.00	0	1	0	1	0	1	0	1	0

GRANTS PROJECT
Scenario F Closure Cost Estimate
Unit Costs/Quantities
2009 Through Completion

WATER TREATMENT (Cont.) XXXXXX-810-23-5100		UNIT COST	2009	2010	2011	2012	2013	2014	2015	2016	2017
Section 33 Irrigation Supply System											
711020 - Parts and Supplies:											
Collection Wellhead Materials -	1,000.00	1	1	1	1	1	1	1	1	1	1
Piping and Fittings -	500.00	1	1	1	1	1	1	1	1	1	1
Valves -	200.00	2	2	2	2	2	2	2	2	2	2
Meters -	500.00	0	0	0	0	0	0	0	0	0	0
Electrical System Parts -	500.00	2	2	2	2	2	2	2	2	2	2
712010 - Pumps:											
Submersible Pumps -	3,500.00	2	2	2	2	2	2	2	2	2	2
610020 - Utilities:											
Electrical Meter 453168400 -	0.0820	60000	60000	60000	60000	60000	60000	60000	60000	60000	60000
Electrical Meter 453262600 -	0.0820	70000	70000	70000	70000	70000	70000	70000	70000	70000	70000
Electrical Meter 453263700 -	0.0820	45000	45000	45000	45000	45000	45000	45000	45000	45000	45000
Electrical Meter 453265700 -	0.0820	50000	50000	50000	50000	50000	50000	50000	50000	50000	50000
Electrical Meter 453267700 -	0.0820	24000	24000	24000	24000	24000	24000	24000	24000	24000	24000
Electrical Meter 453267900 -	0.0820	22000	22000	22000	22000	22000	22000	22000	22000	22000	22000
Electrical Meter ????????? -	0.0820	25000	25000	25000	25000	25000	25000	25000	25000	25000	25000
Section 28 Center Pivot Irrigation											
Section 28 Center Pivot											
711020 - Parts and Supplies:											
Plumbing and Fittings -	2,000.00	1	1	1	1	1	1	1	1	1	1
Expansion -	15,000.00	0	0	0	0	0	0	0	0	0	0
610020 - Utilities:											
Electrical Meter 453165000 -	0.0820	35000	35000	35000	35000	35000	35000	35000	35000	35000	35000
Section 28 Distribution System											
711020 - Parts and Supplies:											
Piping and Fittings -	2,000.00	1	1	1	1	1	1	1	1	1	1
Valves -	600.00	1	1	1	1	1	1	1	1	1	1
Meters -	3,000.00	0	1	0	1	0	1	0	1	1	1
Section 28 Irrigation Supply System											
711020 - Parts and Supplies:											
Collection Wellhead Materials -	1,000.00	1	1	1	1	1	1	1	1	1	1
Piping and Fittings -	500.00	1	1	1	1	1	1	1	1	1	1
Valves -	200.00	1	1	1	1	1	1	1	1	1	1
Meters -	500.00	0	0	0	0	0	0	0	0	0	0
Electrical System Parts -	500.00	1	1	1	1	1	1	1	1	1	1
712010 - Pumps:											
Submersible Pumps -	3,500.00	1	1	1	1	1	1	1	1	1	1
610020 - Utilities:											
Electrical Meter 453164800 -	0.0820	75000	75000	75000	75000	75000	75000	75000	75000	75000	75000
Electrical Meter 453164900 -	0.0820	75000	75000	75000	75000	75000	75000	75000	75000	75000	75000
Electrical Meter 453171200 -	0.0820	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000
Electrical Meter 453079400 -	0.0820	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000
Electrical Meter 453171500 -	0.0820	80000	80000	80000	80000	80000	80000	80000	80000	80000	80000
Electrical Meter 453165000 -	0.0820	35000	35000	35000	35000	35000	35000	35000	35000	35000	35000

GRANTS PROJECT
Scenario F Closure Cost Estimate
Unit Costs/Quantities
2009 Through Completion

WATER TREATMENT (Cont.) XXXXXX-810-23-5100		UNIT COST	2009	2010	2011	2012	2013	2014	2015	2016	2017
Section 28 Injection Supply System											
711020 - Parts and Supplies:											
Collection Wellhead Materials -	1,500.00	0	0	0	0	0	0	0	0	0	0
Piping and Fittings -	500.00	0	0	0	0	0	0	0	0	0	0
Valves -	450.00	0	0	0	0	0	0	0	0	0	0
Meters -	2,000.00	0	0	0	0	0	0	0	0	0	0
Electrical System Parts -	500.00	0	0	0	0	0	0	0	0	0	0
712010 - Pumps:											
Submersible Pumps -	5,000.00	0	0	0	0	0	0	0	0	0	0
610020 - Utilities:											
Electrical Meter 453054002 -	0.0820	2000	2000	2000	2000	2000	2000	2000	2000	2000	0
Section 28 Injection System											
711020 - Parts and Supplies:											
Injection Wellhead Materials -	350.00	0	0	0	0	0	0	0	0	0	0
Piping and Fittings -	500.00	0	0	0	0	0	0	0	0	0	0
Valves -	200.00	0	0	0	0	0	0	0	0	0	0
Meters -	50.00	0	0	0	0	0	0	0	0	0	0
Additional Center Pivot Irrigation											
Additional Irrigation Expansion											
711020 - Parts and Supplies:											
New Center Pivot System -	45,000.00	0	0	0	0	0	0	0	0	0	0
Plumbing and Fittings -	2,000.00	0	0	0	0	0	0	0	0	0	0
610020 - Utilities:											
Electrical Meter TBD -	0.0820	0	0	0	0	0	0	0	0	0	0
Additional Irrigation Distribution System											
711020 - Parts and Supplies:											
Piping and Fittings -	2,000.00	0	0	0	0	0	0	0	0	0	0
Valves -	600.00	0	0	0	0	0	0	0	0	0	0
Meters -	3,000.00	0	0	0	0	0	0	0	0	0	0
Additional Irrigation Supply System											
711020 - Parts and Supplies:											
Collection Wellhead Materials -	1,000.00	0	0	0	0	0	0	0	0	0	0
Piping and Fittings -	500.00	0	0	0	0	0	0	0	0	0	0
Valves -	200.00	0	0	0	0	0	0	0	0	0	0
Meters -	500.00	0	0	0	0	0	0	0	0	0	0
Electrical System Parts -	500.00	0	0	0	0	0	0	0	0	0	0
712010 - Pumps:											
Submersible Pumps -	3,500.00	0	0	0	0	0	0	0	0	0	0
610020 - Utilities:											
Electrical Meter TBD -	0.0820	0	0	0	0	0	0	0	0	0	0
Electrical Meter TBD -	0.0820	0	0	0	0	0	0	0	0	0	0
Electrical Meter TBD -	0.0820	0	0	0	0	0	0	0	0	0	0
Electrical Meter TBD -	0.0820	0	0	0	0	0	0	0	0	0	0
Electrical Meter TBD -	0.0820	0	0	0	0	0	0	0	0	0	0
Electrical Meter TBD -	0.0820	0	0	0	0	0	0	0	0	0	0
Electrical Meter TBD -	0.0820	0	0	0	0	0	0	0	0	0	0
Electrical Meter TBD -	0.0820	0	0	0	0	0	0	0	0	0	0
Electrical Meter TBD -	0.0820	0	0	0	0	0	0	0	0	0	0
Electrical Meter TBD -	0.0820	0	0	0	0	0	0	0	0	0	0

GRANTS PROJECT
Scenario F Closure Cost Estimate
Unit Costs/Quantities
2009 Through Completion

MONITORING/REGULATORY XXXXXX-810-23-5200	UNIT COST	2009	2010	2011	2012	2013	2014	2015	2016	2017
		-General-								
718900 - NRC Fees:	50,000.00	1	1	1	1	1	1	1	1	1
718025 - Permitting Fees:	5,000.00	1	1	1	1	1	1	1	1	1
711040 - Consulting Services:										
Hydrologist/Engineer -										
Annual Report-	20,000.00	1	1	1	1	1	1	1	1	1
CAP-	20,000.00	0	0	0	0	0	0	0	0	0
ACL-	40,000.00	0	0	0	0	0	0	0	0	0
Numerical Modeling-	40,000.00	0	0	0	0	0	0	0	0	0
ALARA Consulting -	20,000.00	1	1	1	1	1	1	1	1	1
General Consulting -	10,000.00	1	1	1	1	1	1	1	1	1
DOE Reporting -	50,000.00	0	0	0	0	0	0	0	0	0
DP Renewal -	20,000.00	0	1	0	0	0	0	1	0	0
EPA Oversight -	20,000.00	1	1	2.5	1	1	1	1	2.5	1
-Air / Weather Monitoring-										
714090 - Outside Services:	5,500.00	1	1	1	1	1	1	1	1	1
711020 - Parts and Supplies:	500.00	1	1	1	1	1	1	1	1	1
610020 - Utilities:										
Electrical Meter 453181900 -	0.0820	44000	44000	44000	44000	44000	44000	44000	44000	44000
-Radiation Monitoring-										
714090 - Outside Services:	2,000.00	1	1	1	1	1	1	1	1	1
711020 - Parts and Supplies:										
Bioassay Sample Bottles -	10.00	50	50	50	50	50	50	50	50	50
High Vol Filters -	290.00	5	5	5	5	5	5	5	5	5
High Vol Parts -	1,700.00	1	1	1	1	1	1	1	1	1
Lab Instrument Parts -	1,000.00	1	1	1	1	1	1	1	1	1
OSL Badges -	69.36	100	100	100	100	100	100	100	100	100
Radon Cups -	20.00	54	54	54	54	54	54	54	54	54
Miscellaneous Parts -	500.00	1	1	1	1	1	1	1	1	1
718030 - Lab Fees:										
Bioassay Samples -	25.00	20	20	20	20	20	20	20	20	20
High Vol Samples -	148.00	32	32	32	32	32	32	32	32	32
Radon Cup Analysis -	70.00	54	54	54	54	54	54	54	54	54
610020 - Utilities:										
Electrical Meter 433983700 -	0.0820	5500	5500	5500	5500	5500	5500	5500	5500	5500
Electrical Meter 453094400 -	0.0820	5500	5500	5500	5500	5500	5500	5500	5500	5500
Electrical Meter 600986000 -	0.0820	5500	5500	5500	5500	5500	5500	5500	5500	5500
Electrical Meter 453280400 -	0.0820	5500	5500	5500	5500	5500	5500	5500	5500	5500
Electrical Meter 600095200 -	0.0820	5500	5500	5500	5500	5500	5500	5500	5500	5500
Electrical Meter 453191600 -	0.0820	5500	5500	5500	5500	5500	5500	5500	5500	5500
711040 - Radiation Training:										
Annual Radiation Refresher -	2,000.00	1	1	1	1	1	1	1	1	1
Employee Radiation Training -	1,000.00	1	1	1	1	1	1	1	1	1

GRANTS PROJECT
 Scenario F Closure Cost Estimate
 Unit Costs/Quantities
 2009 Through Completion

MONITORING/REGULATORY (Cont.) XXXXXX-810-23-5200		UNIT COST	2009	2010	2011	2012	2013	2014	2015	2016	2017
			-Settlement Monument Monitoring-								
714090 - Outside Services:											
Surveying -	7,000.00	1	1	1	1	0	0	0	0	0	0
Report Development -	2,000.00	1	1	1	1	0	0	0	0	0	0

GRANTS PROJECT
 Scenario F Closure Cost Estimate
 Unit Costs/Quantities
 2009 Through Completion

HOLDING XXXXXX-811-23-5300	UNIT COST	2009	2010	2011	2012	2013	2014	2015	2016	2017
		-Land-								
790060 - Land Purchase:	0.00	0	0	0	0	0	0	0	0	0
790090 - Land Rental:	0.00	0	0	0	0	0	0	0	0	0
790110 - Title Commitment Policy:	0.00	0	0	0	0	0	0	0	0	0
790010 - Appraisal :	0.00	0	0	0	0	0	0	0	0	0
790120 - Land Improvements:										
Fencing -	2,000.00	1	1	1	1	1	1	1	1	1
Water Development -	2,000.00	1	1	1	1	1	1	1	1	1
Clean-up -	2,000.00	1	1	1	1	1	1	1	1	1
623010 - Property Tax:	25,000.00	1	1	1	1	1	1	1	1	1
790120 - Surveying / Mapping:	15,000.00	1	1	1	1	1	1	1	1	1

GRANTS PROJECT
 Scenario F Closure Cost Estimate
 Unit Costs/Quantities
 2009 Through Completion

SECURITY AND MAINTENANCE
XXXXXX-811-23-5400

-Land and Structures-

717030 - Surveillance:

UNIT COST	2009	2010	2011	2012	2013	2014	2015	2016	2017
4,000.00	1	1	1	1	1	1	1	1	1

GRANTS PROJECT
 Scenario F Closure Cost Estimate
 Unit Costs/Quantities
 2009 Through Completion

SEVERANCE AND RELOCATION XXXXXX-XXX-XX-XXXX	UNIT COST	2009	2010	2011	2012	2013	2014	2015	2016	2017
		-Severance and Relocation-								
xxxxxx - Severance and Relocation:	0.00	0	0	0	0	0	1	0	2	6

GRANTS PROJECT
Scenario F Closure Cost Estimate
Unit Costs/Quantities
2009 Through Completion

GENERAL AND ADMIN. XXXXXX-811-23-5500	UNIT COST	2009	2010	2011	2012	2013	2014	2015	2016	2017
		--Salaries and Benefits--								
600000 - General Salaries - Site Manager	120,520.00	1	1	1	1	1	1	1	1	1
600040 - Benefits - Site Manager	50,188.22	1	1	1	1	1	1	1	1	1
600000 - General Salaries - Engineering	72,470.00	1	1	1	1	1	1	1	1	1
600040 - Benefits - Engineering	30,178.73	1	1	1	1	1	1	1	1	1
600000 - General Salaries - Financial	76,260.00	1	1	1	1	1	1	1	1	1
600040 - Benefits - Financial	31,757.00	1	1	1	1	1	1	1	1	1
600001 - GW Salaries - Admin. Asst.	37,030.00	1	1	1	1	1	1	1	1	1
600040 - Benefits - Admin. Asst.	15,420.42	1	1	1	1	1	1	1	1	1
600001 - GW Salaries - Senior Tech.	66,490.00	2	2	2	2	2	2	2	2	2
600040 - Benefits - Senior Tech	27,688.47	2	2	2	2	2	2	2	2	2
600001 - GW Salaries - Technicians	38,010.00	3	3	3	3	3	2	2	1	1
600040 - Benefits - Technicians	15,828.53	3	3	3	3	3	2	2	1	1
600050 - Temporary Labor:	15,000.00	1	1	1	1	2.4	1	1	1	2.4
601060 - Workman's Compensation:	60,000.00	0	0	0	0	0	0	0	0	0
601130 - Memberships:	16,400.00	0	0	0	0	0	0	0	0	0
601140 - Seminars and Training:	2,500.00	0	0	0	0	0	0	0	0	0
603000 - Employee Relations:	1,000.00	0	0	0	0	0	0	0	0	0
--General Office Costs--										
622000 - Stationary & Supplies:	5,000.00	1	1	1	1	1	1	1	1	1
622010 - Kitchen Supplies:	2,000.00	1	1	1	1	1	1	1	1	1
622040 - Publications & Subscriptions:	250.00	0	0	0	0	0	0	0	0	0
622050 - Miscellaneous:	1,500.00	1	1	1	1	1	1	1	1	1
622050 - Misc. Computer Hardware:	4,000.00	1	1	1	1	1	1	1	1	1
622070 - Lunch / Dinners:	500.00	0	0	0	0	0	0	0	0	0
--Occupancy Costs--										
610030 - Office - Other:	10,000.00	1	1	1	1	1	1	1	1	1
--Communication Costs--										
620010 - Telecommunications:	12,000.00	1	1	1	1	1	1	1	1	1
620060 - Postage:	2,000.00	1	1	1	1	1	1	1	1	1
620070 - Courier Services:	10,000.00	1	1	1	1	1	1	1	1	1
620080 - Data Line Access:	5,000.00	1	1	1	1	1	1	1	1	1
--Data Processing Costs--										
621000 - Equipment Rental / Leases:	9,000.00	1	1	1	1	1	1	1	1	1
621020 - Computer Software:	2,000.00	1	1	1	1	1	1	1	1	1
--Taxes, Licenses, and Fees--										
623000 - Office - Other:	1,500.00	1	1	1	1	1	1	1	1	1
--Insurance--										
624040 - Insurance:	24,000.00	1	1	1	1	1	1	1	1	1

GRANTS PROJECT
 Scenario F Closure Cost Estimate
 Unit Costs/Quantities
 2009 Through Completion

GENERAL AND ADMIN. (Cont.) XXXXXX-811-23-5500		UNIT COST								
		2009	2010	2011	2012	2013	2014	2015	2016	2017
-Travel and Accommodation-										
640000 - Travel - Air:	5,000.00	0	0	0	0	0	0	0	0	0
640020 - Travel - Accommodation:	1,000.00	0	0	0	0	0	0	0	0	0
640030 - Travel - Taxis:	100.00	0	0	0	0	0	0	0	0	0
640050 - Travel - Gas:	4,800.00	0	0	0	0	0	0	0	0	0
640060 - Travel - Meals:	1,000.00	0	0	0	0	0	0	0	0	0
-Professional Fees-										
670000 - Legal Fees:	15,000.00	1	1	1	1	1	1	1	1	1
-Outside Services-										
714090 - Worker's Comp. Admin:	8,000.00	0	0	0	0	0	0	0	0	0
IT Consulting Services	10,000.00	1	1	1	1	1	1	1	1	1
Misc.(Grants Clinic)	5,000.00	1	1	1	1	1	1	1	1	1
MISCELLANEOUS INCOME XXXXXX-XXX-XX-XXXX		UNIT COST								
		2009	2010	2011	2012	2013	2014	2015	2016	2017
-Misc. Income-										
499000 - Misc. Income:	-25,000.00	0	0	0	0	0	0	0	0	0

GRANTS PROJECT
Unit Costs

	A	B	C	D	E	F
1	UNIT COSTS					
2						
3						
4						
5	--Fuel--					
6						
7		unit cost	units			
8	Diesel	2.83	\$/gal			
9	Gasoline	2.99	\$/gal			
10						
11						
12	--Water Analysis--					
13						
14	Analytical Constituent Lists	unit cost	units			
15	A-LIST	46	\$/sample			
16	B-LIST	170	\$/sample			
17	C-LIST	28	\$/sample			
18	D-LIST	290	\$/sample			
19	E-LIST	46	\$/sample			
20	F-LIST	138	\$/sample			
21	G-LIST	55	\$/sample			
22	H-LIST	77.5	\$/sample			
23	I-LIST	59.5	\$/sample			
24	COLUMN TESTS	118	\$/sample			
25	J-LIST	77.5	\$/sample			
26						
27	--Vegetation Analysis--					
28						
29		unit cost	units			
30		40.50	\$/sample			
31						
32						
33	--Soil Analysis--					
34						
35		unit cost	units			
36		245.00	\$/sample			
37						
38						
39	--Utilities--					
40						
41		unit cost	units			
42	Electric	0.0820	\$/KWH			
43	Natural Gas	0.832	\$/CCF			
44						
45						
46	--Driller Costs--					
47						
48		unit cost	units			
49	New Tailings Well	3,400.00	\$/well			

GRANTS PROJECT
Unit Costs

	A	B	C	D	E	F
50	New Alluvial Well	3,100.00	\$/well			
51	New U. Chinle Well	7,300.00	\$/well			
52	New M. Chinle Well	7,300.00	\$/well			
53	New L. Chinle Well	7,300.00	\$/well			
54	Develop Tailings Well	400.00	\$/well			
55	Develop Alluvial Well	550.00	\$/well			
56	Develop U. Chinle Well	700.00	\$/well			
57	Develop M. Chinle Well	700.00	\$/well			
58	Develop L. Chinle Well	700.00	\$/well			
59	Abandon 5" Tailings Well	640.00	\$/well			
60	Abandon 2" Tailings Well	220.00	\$/well			
61	Abandon Alluvial Well	750.00	\$/well			
62	Abandon Perched Alluvial Well	350.00	\$/well			
63	Abandon U. Chinle Well	1,300.00	\$/well			
64	Abandon M. Chinle Well	1,300.00	\$/well			
65	Abandon L. Chinle Well	1,300.00	\$/well			
66	Abandon San Andres Well	3,000.00	\$/well			
67	Abandon Sumps	500.00	\$/sump			
68	Drilling Mob/Demob	6,000.00	\$/rig			
69						
70						
71	-- Tailings Collection Parts and Supplies--					
72						
73		unit cost	units			
74	Collection Wellheads	500.00	\$/wellhead			
75	2" Valves	200.00	\$/valve			
76	3/4", 5/8", 1" Meters	50.00	\$/meter			
77	Submersible Pumps	500.00	\$/pump			
78	Vacuum Pumps	500.00	\$/pump			
79						
80						
81	-- Tailings Sumps Parts and Supplies--					
82						
83		unit cost	units			
84	Collection Plumbing	500.00	\$/wellhead			
85	2", 3" Valves	200.00	\$/valve			
86	3/4", 5/8", 1" Meters	50.00	\$/meter			
87	Submersible Pumps	310.00	\$/pump			
88						
89						
90	-- Tailings Injection Parts and Supplies--					
91						
92		unit cost	units			
93	Injection Wellheads	300.00	\$/wellhead			
94	2" Valves	200.00	\$/valve			
95	3/4", 5/8", 1" Meters	50.00	\$/meter			
96						
97						
98	-- Alluvial/Chinle Collection Parts and Supplies--					
99						

GRANTS PROJECT
Unit Costs

	A	B	C	D	E	F
100		unit cost	units			
101	Collection Wellheads	1,000.00	\$/wellhead			
102	2" Valves	200.00	\$/valve			
103	3/4", 5/8", 1" Meters	50.00	\$/meter			
104	Submersible Pumps	2,100.00	\$/pump			
105						
106						
107	-- San Andres Collection Parts and Supplies--					
108						
109		unit cost	units			
110	Collection Wellheads	1,500.00	\$/wellhead			
111	6" Valves	450.00	\$/valve			
112	6" Meters	2,000.00	\$/meter			
113	Submersible Pumps	5,000.00	\$/pump			
114						
115						
116	-- Alluvial/Chinle Injection Parts and Supplies--					
117						
118		unit cost	units			
119	Injection Wellheads	350.00	\$/wellhead			
120	2" Valves	200.00	\$/valve			
121	3/4", 5/8", 1" Meters	50.00	\$/meter			
122						
123						
124	-- Irrigation Parts and Supplies--					
125						
126		unit cost	units			
127	Collection Wellheads	1,000.00	\$/wellhead			
128	2", 3" Valves	200.00	\$/valve			
129	6", 10", 12" Valves	600.00	\$/valve			
130	2", 3" Meters	500.00	\$/meter			
131	6", 10", 12" Meters	3,000.00	\$/meter			
132	Submersible Pumps	3,500.00	\$/pump			
133	Alfalfa	2.55	\$/lb			
134	Millet	0.40	\$/lb			
135	Cereal Grains	0.90	\$/lb			
136	Fertilizer	0.15	\$/lb			
137						
138						
139	-- R.O. Plant Parts and Supplies--					
140						
141		unit cost	units			
142	Pumps	5,000.00	\$/pump			
143	Valves	4,000.00	\$/valve			
144	Meters	4,000.00	\$/meter			
145	Filters	10.50	\$/filter			
146	Membranes (LPRO)	484.00	\$/membrane			
147	Membranes (HPRO)	789.00	\$/membrane			
148	Sand Filter Media	8,000.00	L.S.			
149	Air Diffuser	2,000.00	L.S.			

(6) Unit Costs

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GRANTS PROJECT
Unit Costs

	A	B	C	D	E	F
150	Caustic Soda	0.2578	\$/lb			
151	Sulfuric Acid	0.1065	\$/lb			
152	Anti-Scalent	700.00	\$/barrel			
153	Citric Acid	1.09	\$/lb			
154	Test Reagents	0.00	\$/?			
155	Lime	0.1030	\$/lb			
156	Muriatic Acid	3.78	\$/gal			
157	Membrane Cleaner	1,833.00	\$/drum			
158						
159		unit cost	units			
160	R.O. Plant Refurbishment	1,000,000.00	lump sum			
161	R.O. Plant Upgrades	5,000.00	\$/upgrade			
162	Miscellaneous R.O. Plant Equipn	1,000.00	\$/unit			
163						
164						
165	-- Evaporation Parts and Supplies--					
166						
167		unit cost	units			
168	Pumps	5,000.00	\$/pump			
169	Valves	1,000.00	\$/valve			
170	Meters	2,000.00	\$/meter			
171	Copper Sulfate	2.49	\$/lb			
172	Citric Acid	1.09	\$/lb			
173	Spray Nozzles	68.00	\$/nozzle			
174	Pump & Motor for Turbo-Mist	6,000.00	\$/pump			
175	Nozzles for Turbo-Mist Unit	32.15	\$/nozzle			
176						
177						
178	-- In-situ Biotesting Parts and Supplies--					
179						
180		unit cost	units			
181	Pumps	2,100.00	\$/pump			
182	Valves	200.00	\$/valve			
183	Meters	50.00	\$/meter			
184	Molasses	1.00	\$/gal			
185	Phosphorous Source	1.00	\$/lb			
186	Carbon Source	0.00300	\$/gal treated			
187						
188						
189	-- Monitoring Parts and Supplies--					
190						
191		unit cost	units			
192	Bioassay Sample Bottles	10.00	\$/bottle			
193	OSL Badges	10.00	\$/badge			
194	Bioassay Samples	25.00	\$/sample			
195	OSL Badges Analysis	69.36	\$/badge			
196	High Vol Samples	148.00	\$/sample			
197	Radon Cups	20.00	\$/cup			
198	Radon Cup Analysis	70.00	\$/sample			
199	High Vol Filters	290.00	\$/pack			

(6) Unit Costs

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Revised: 3/3/2009; Printed: 3/3/2009

GRANTS PROJECT
Unit Costs

	A	B	C	D	E	F
200						

GRANTS PROJECT
Unit Costs

Cell: E3

Comment: NOTE:

DO NOT CHANGE CELLS HIGHLIGHTED IN RED.

THE REST OF THE VALUES SHOULD BE CHANGED HERE.
CHANGING THE UNIT COST VALUES IN THIS SHEET WILL
CHANGE THE VALUES THROUGHOUT THE SPREADSHEET.

Cell: C8

Comment: Determined from most recent fuel price - updated annually.

Cell: C9

Comment: Determined from most recent fuel price - updated annually.

Cell: A14

Comment: Constituents and parameters for each list are described in the most recent Corrective Action Plan for the Homestake Grants site.

Cell: C15

Comment: Includes lab fees and supplies. Bid price updated annually

Cell: C16

Comment: Includes lab fees and supplies. Bid price updated annually

Cell: C17

Comment: Includes lab fees and supplies. Bid price updated annually

Cell: C18

Comment: Includes lab fees and supplies. Bid price updated annually

Cell: C19

Comment: Includes lab fees and supplies. Bid price updated annually

Cell: C20

Comment: Includes lab fees and supplies. Bid price updated annually

Cell: C21

Comment: Includes lab fees and supplies. Bid price updated annually

Cell: C22

Comment: Includes lab fees and supplies. Bid price updated annually

GRANTS PROJECT
Unit Costs

Cell: C23

Comment: Includes lab fees and supplies. Bid price updated annually

Cell: C24

Comment: Includes lab fees and supplies. Bid price updated annually

Cell: C25

Comment: Includes lab fees and supplies. Bid price updated annually

Cell: C30

Comment: Includes lab fees and supplies. Bid price updated annually

Cell: C36

Comment: Includes lab fees and supplies. Bid Price updated annually.

Cell: C42

Comment: Calculated from most recent electrical cost - updated annually

Cell: C43

Comment: Calculated from most recent natural gas costs - updated annually.

Cell: C49

Comment: Tailings wells are 5" PVC, typically 110' deep, sand pack up to 30' with bentonite seal above sand. Cost est. based on previous drilling cost.

Cell: C50

Comment: Alluvial wells 5" PVC, 60 to 120', sand pack to 30' with bentonite seal above. Cost est. based on previous drilling.

Cell: C51

Comment: U. Chinle wells 5" PVC, 120 to 240' deep, sand pack 40' with bentonite seal above.

Cell: C52

Comment: M. Chinle 5 or 6" PVC, 120 to 360' deep, 60' of sand pack with bentonite seal above.

Cell: C53

Comment: L. Chinle wells 5" PVC, 160 to 380' deep, 60' sand pack with bentonite seal above.

(6) Unit Costs

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Revised: 3/3/2009; Printed: 3/3/2009

GRANTS PROJECT
Unit Costs

Cell: C54

Comment: 3 hrs of rig time.

Cell: C55

Comment: 4 hrs of rig time

Cell: C56

Comment: 5 hrs of rig time

Cell: C57

Comment: 5 hrs of rig time

Cell: C58

Comment: 5 hrs of rig time

Cell: C59

Comment: 3 hrs rig time and materials

Cell: C60

Comment: 4 hrs labor at \$30/hr for manpower plus \$100 for materials and possible equipment rental.

Cell: C61

Comment: 3 hrs rig time and materials

Cell: C62

Comment: 2 hrs rig time and materials

Cell: C63

Comment: 4 hrs rig time and materials

Cell: C64

Comment: 4 hrs rig time and materials

Cell: C65

Comment: 4 hrs rig time and materials

Cell: C66

GRANTS PROJECT
Unit Costs

Comment: 10 hrs rig time and materials

Cell: C67

Comment: Backfill and cover cost

Cell: C68

Comment: Rig and Supporting Equipment Mobilization

Cell: C74

Comment: Includes all wellhead plumbing (tees, small valves, nipples, drop pipe, drawdown tube, rope, etc.)

Cell: C76

Comment: Assumes average cost of all three sizes of meters.

Cell: C77

Comment: Assumes average cost of different sizes of pumps.

Cell: C78

Comment: No vacuum pumps are planned to be used in the future.

Cell: C84

Comment: Includes all collection plumbing (tees, small valves, nipples, rope, drawdown tube, etc.)

Cell: C86

Comment: Assumes average cost of all three sizes of meters.

Cell: C87

Comment: Assumes average cost of different sizes of pumps.

Cell: C93

Comment: Includes all injection plumbing (tees, small valves, nipples, etc.)

Cell: C95

Comment: Assumes average cost of all three sizes of meters.

Cell: C101

GRANTS PROJECT
Unit Costs

Comment: Includes all wellhead plumbing (tees, small valves, nipples, drop pipe, drawdown tube, S.S. wire and etc.

Cell: C103

Comment: Assumes average cost of all three sizes of meters.

Cell: C104

Comment: Assumes average cost of different sizes of pumps.

Cell: C110

Comment: Includes all wellhead plumbing (tees, valves, nipples, drop pipe, drawdown tube, S.S. wire, etc. for large wells.

Cell: C113

Comment: Assumes average cost of different sizes of pumps.

Cell: C119

Comment: Includes all wellhead plumbing (tees, small valves, nipples, etc.

Cell: C121

Comment: Assumes average cost of all three sizes of meters.

Cell: C127

Comment: Includes all wellhead plumbing (tees, valves, nipples, drop pipe, drawdown tube, S.S. wire, etc. for 2" and 3" discharge pipe.

Cell: C128

Comment: Assumes average of 2" and 3" valves.

Cell: C129

Comment: Assumes average of 6", 10", and 12" valves.

GRANTS PROJECT
Unit Costs

Cell: C130

Comment: Assumes average cost of 2" and 3" meters.

Cell: C131

Comment: Assumes average cost of 6", 10", and 12" meters.

Cell: C132

Comment: Assumes average cost of different sizes of pumps.

Cell: C142

Comment: Assumes average of all different types of pumps (R.O. Feed, Sump, R.O. Product, etc.).

Cell: C143

Comment: Assumes average of different sizes and types of valves.

Cell: C144

Comment: Assumes average of different types and sizes of meters.

Cell: C146

Comment: Costs reviewed and updated annually

Cell: C147

Comment: Costs reviewed and updated annually

Cell: C150

Comment: Costs reviewed and updated annually

Cell: C151

Comment: Costs reviewed and updated annually

Cell: C152

Comment: Costs reviewed and updated annually

Cell: C153

Comment: Costs reviewed and updated annually

Cell: C155

Comment: Costs reviewed and updated annually

Cell: C156

Comment: Costs reviewed and updated annually

GRANTS PROJECT
Unit Costs

Cell: C157

Comment: Costs reviewed and updated annually

Cell: C160

Comment: Placeholder estimate of large scale plant refurbishment

Cell: C161

Comment: As yet unspecified upgrades

Cell: C162

Comment: Miscellaneous future equipment additions

Cell: C168

Comment: Assumes average of all different types and sizes of pumps.

Cell: C169

Comment: Assumes average of different sizes and types of valves.

Cell: C170

Comment: Assumes average of different types and sizes of meters.

Cell: C171

Comment: Costs reviewed and updated annually

Cell: C172

Comment: Costs reviewed and updated annually

Cell: C174

Comment: High pressure pump to supply two Turbo Misters

Cell: C175

Comment: Spiral-type nozzle

Cell: C181

Comment: Assumes average of all different types of pumps.

Cell: C182

Comment: Assumes average of different sizes and types of valves.

Cell: C183

Comment: Assumes average of different types and sizes of meters.

GRANTS PROJECT
Unit Costs

Cell: C192

Comment: Costs reviewed and bid prices solicited and updated annually.

Cell: C193

Comment: Costs reviewed and bid prices solicited and updated annually.

Cell: C194

Comment: Costs reviewed and bid prices solicited and updated annually.

Cell: C195

Comment: Costs reviewed and bid prices solicited and updated annually.

Cell: C196

Comment: Costs reviewed and bid prices solicited and updated annually.

Cell: C197

Comment: Costs reviewed and bid prices solicited and updated annually.

Cell: C198

Comment: Costs reviewed and bid prices solicited and updated annually.

Cell: C199

Comment: Costs reviewed and bid prices solicited and updated annually.

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 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
Alluvial Collection	469	1	580	580	580	580	580	520	520	0	0
Toe Drains / Sumps	469	0.36	25	25	25	25	0	0	0	0	0
Tailings Collection	469	0.36	120	110	100	80	0	0	0	0	0
Spray Evaporation System	469	1	4700	4700	4700	4700	3000	3000	3000	2000	0
Turbo-Mist	469	12.07	156	156	156	156	0	0	0		
No. 2 Well	469	2	300	300	300	100	100	100	100	100	100

	2009	2010	2011	2012	2013	2014	2015	2016	2017
Alluvial Collection	272020	272020	272020	272020	272020	243880	243880	0	0
Toe Drains / Sumps	4221	4221	4221	4221	0	0	0	0	0
Tailings Collection	20260.8	18572.4	16884	13507.2	0	0	0	0	0
Spray Evaporation System	2204300	2204300	2204300	2204300	1407000	1407000	1407000	938000	0
Turbo-Mist	883089	883089	883089	883089	0	0	0	0	0
No. 2 Well	281400	281400	281400	93800	93800	93800	93800	93800	93800
Total	3665291	3663603	3661914	3470938	1772820	1744680	1744680	1031800	93800

R.O. Plant Electrical Meter 453180501

R.O. Plant Rate	Unit Cost									
	Formula	2009	2010	2011	2012	2013	2014	2015	2016	2017
	Formula	600	600	600	600	600	600	600	0	0

R.O. Plant	2009	2010	2011	2012	2013	2014	2015	2016	2017
	2307600	2307600	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 = 211.693
CPI Index for November, 1978 = 67.4

CPI Factor = 3.140846

Fee in March, Current year dollars = \$785,211

GRANTS PROJECT
Physical Reclamation Costs
2008 Dollars

SUMMARY ESTIMATE
HOMESTAKE MINING COMPANY OF CALIFORNIA
GRANTS PROJECT MILLING COMPLEX
CEBOLA COUNTY NEAR MILAN, NM

CPI Calculations to convert the 2003 unit cost \$ to current year \$
Most Current CPI Value **211.693**
Jan 2003 CPI Value **181.7**
1.165068795

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	147.38	\$58,952
4.1.3	Clear & Grub Borrow Areas	Acre	240	1,398.08	\$335,540
4.1.4	Radon Barrier material: haul & placement	CY	770,000	4.89	\$3,767,832
4.1.5	Rock Cover material: haul & placement	CY	87,000	5.01	\$435,852
4.1.6	Construction QA/QC	Month	7	64,078.78	\$448,551
4.1.7	Revegetation of Borrow Areas	Acre	240	1,631.10	\$391,463
	Large Tailings Pile Closure Subtotal				\$5,438,192
4.2	Pond Closure				
4.2.1	Dewatering and/or Water Treatment (allowance)	LS	1	58,253.44	\$58,253
4.2.2	Removal of sediment - placement in EP1	CY	80,000	4.43	\$354,181
4.2.3	Removal of liners, & piping - placement in EP1	SY	86,000	1.05	\$90,176
4.2.4	Excavate underlying impacted soil	CY	37,500	3.50	\$131,070
4.2.5	Remove/regrade earthen berms	CY	122,000	1.17	\$142,138
4.2.6	Confirmation Sampling	Acre	25	932.06	\$23,301
4.2.7	Import Fill placement & grading	CY	50,000	3.38	\$168,935
4.2.8	Revegetation	Acre	25	1,631.10	\$40,777
	Pond Closure Subtotal				\$1,008,833
4.3	Small Tailing Pile Closure				
4.3.1	Clear & Grub Borrow Areas	Acre	105	1,398.08	\$146,799
4.3.2	Prep and grade of tailings pile surface	CY	170,000	2.27	\$386,220
4.3.3	Radon Barrier material: haul & placement	CY	340,000	5.07	\$1,723,137
4.3.4	Rock Cover material: haul & placement				
	Top of Impoundment	CY	32,000	5.13	\$164,042
	Impoundment side slopes	CY	28,000	7.28	\$203,887
4.3.5	Construction QA/QC	Month	4.5	64,078.78	\$288,355
4.3.6	Revegetation of Borrow Areas	Acre	105	1,631.10	\$171,265
	Small Tailing Pile Closure				\$3,083,704
5.0	RADIOLOGICAL SURVEY AND ENVIRONMENTAL MONITORING				
	Radon Flux Measurements on Tailing Piles (post-closure)	LS	1	45,437.68	\$45,438
6.0	DEMOLITION OF REMAINING FACILITIES				
6.1	RO Plant Demolition				
6.1.1	Demolition of plant - placement in EP1	LS	1	160,196.96	\$160,197
6.1.2	Backfill/regrade demolition area	CY	1,500	3.50	\$5,243
6.1.3	Revegetation	Acre	2.5	1,631.10	\$4,078

GRANTS PROJECT
Physical Reclamation Costs
2008 Dollars

SUMMARY ESTIMATE
HOMESTAKE MINING COMPANY OF CALIFORNIA
GRANTS PROJECT MILLING COMPLEX
CEBOLA COUNTY NEAR MILAN, NM

CPI Calculations to convert the 2003 unit cost \$ to current year \$
Most Current CPI Value **211.693**
Jan 2003 CPI Value **181.7**
1.165068795

Item No.	Description	Unit	Quantity	Unit Cost (Current Year \$)	Total Cost (\$)
	RO Plant Demolition Subtotal				\$169,518
6.2	Office/Shop Area Demolition (office-truck shop, warehouse bldg, & rel. bldg in admin compound)				
6.2.1	Demolition of buildings	LS	1	81,554.82	\$81,555
6.2.2	Demolition of Water Tanks	EA	2	17,476.03	\$34,952
6.2.3	Removal of yard gravel - placement in EP1	CY	4,000	4.08	\$16,311
6.2.4	Backfill/regrade demolition area	CY	1,500	3.50	\$5,243
6.2.5	Revegetation	Acre	5	1,631.10	\$8,155
	Office/Shop Area Demolition Subtotal				\$146,216
7.0	PROJECT MGMNT - CONSULTING/ENGINEERING SUPPORT				
7.1	Large Tailings Pile Closure				
7.1.1	Final Design & Contract Document Prep	LS	1	41,942.48	\$41,942
7.1.2	Proj Management & Construction Oversight	Month	7	44,272.61	\$309,908
7.1.3	Prepare Completion Report	LS	1	41,942.48	\$41,942
	LTP Project Management Subtotal				\$393,793
7.2	Final Closure & Demolition (RO plant, ponds, STP)				
7.2.1	Final Design & Contract Document Prep	LS	1	50,330.97	\$50,331
7.2.2	Proj Management & Construction Oversight	Month	8.5	44,272.61	\$376,317
7.2.3	Prepare Completion Report	LS	1	50,330.97	\$50,331
	STP Project Management Subtotal				\$476,979
7.3	Shop Area Demolition				
7.3.1	Final Design & Contract Document Prep	LS	1	5,592.33	\$5,592
7.3.2	Proj Management & Construction Oversight	Month	0.5	44,272.61	\$22,136
7.3.3	Prepare Completion Report	LS	1	5,592.33	\$5,592
	Shop Area Project Management Subtotal				\$33,321
TOTAL					\$10,795,993

