

COLORADO OFFICE
10758 W. CENTENNIAL RD., STE. 200
LITTLETON, CO 80127
TEL: (866) 981-4588
FAX: (720) 981-5643



WYOMING OFFICE
5880 ENTERPRISE DR., STE. 200
CASPER, WY 82609
TEL: (307) 265-2373
FAX: (307) 265-2801

LOST CREEK ISR, LLC

July 31, 2012

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

**Re: Lost Creek Project, NRC License SUA-1598, Docket No. 40-9068
REQUEST FOR ADDITIONAL INFORMATION - REVISED SURETY ESTIMATE - LOST CREEK ISR,
LLC; (June 27, 2012)**

Dear Dr. Oxenberg:

Please find behind this cover, Lost Creek ISR, LLC's responses to your Request for Additional Information dated June 27, 2012.

Please contact me or Dr. Charles Kelsey at the Casper office if you have any questions regarding this submittal.

Regards,

Steve Hatten
President
Lost Creek ISR, LLC

Cc: Theresa Horne – Ur-Energy USA Inc., Littleton

Deputy Director, Decommissioning and Uranium Recovery Licensing Directorate
Division of Waste Management and Environmental Protection
Office of Federal and State Materials and Environmental Management Programs
U.S. Nuclear Regulatory Commission
Mail Stop T-8F5
11545 Rockville Pike, Two White Flint North
Rockville, MD 20852-2738

Tanya Palmateer Oxenberg, Ph.D., Project Manager
Uranium Recovery Licensing Branch
Decommissioning and Uranium Recovery Licensing Directorate
Division of Waste Management and Environmental Protection
Office of Federal and State Materials and Environmental Management Programs
U.S. Nuclear Regulatory Commission
Mail Stop T-8F5
11545 Rockville Pike, Two White Flint North
Rockville, MD 20852-2738

Lost Creek ISR, LLC is a wholly-owned subsidiary of Ur-Energy Inc.

TSX: URE
www.ur-energy.com

FSME20

**Lost Creek Project, NRC License SUA-1598, Docket No. 40-9068
REQUEST FOR ADDITIONAL INFORMATION - REVISED SURETY ESTIMATE - LOST CREEK ISR,
LLC; (June 27, 2012)**

By letter dated February 10, 2012 (ML 12048A678), Lost Creek ISR, LLC (LCI) submitted to the U.S. Nuclear Regulatory Commission (NRC) staff a revised surety estimate as required by license condition 9.5 of license SUA-1598. The submittal updated its prior surety estimate provided in the license application, as well as clarifications to demonstrate compliance with the Wyoming Department of Environmental Quality (WDEQ) Land Quality Division (LQD) Guideline 12 entitled, "Standardized Reclamation Performance Bond Format and Cost Calculation Methods." Lost Creek's updated surety estimate remains at \$1.75 million. NRC staff completed its technical review of this request and offers the following request for additional information.

The submission should be modified to meet acceptance criteria in NUREG-1569 and comply with 10 CFR 40, Appendix A, Criterion 9.

NRC's RAI (#1):

1. The licensee should insert additional commitments in the surety to meet acceptance criterion in NUREG-1569, Section 6.5.3. NUREG-1569, Section 6.5.3 recommends that licensees include certain statements in the cost estimate submission. The licensee's submission does not include several of the recommended elements. Specifically, the submission should state that the licensee will:

- a. Update the surety value annually "in response to changes in closure or decommissioning plans, and as necessitated by changes in the facility and its operations." NUREG-1569, Section 6.5.3.7.

The licensee commits to the requirements in RAI 1.a. This commitment is also made at the bottom of the first page of the surety calculation.

- b. Extend the surety for an additional year if the NRC has not approved a proposed revision thirty (30) days prior to the surety expiration date. NUREG-1569, Section 6.5.3.8.

The licensee commits to the requirements in RAI 1.b. This commitment is also made at the bottom of the first page of the surety calculation.

- c. Revise the surety arrangement within three (3) months of the NRC approval of a revised closure plan if estimated costs exceed the amount of the existing financial surety. NUREG-1569, Section 6.5.3.9.

The licensee commits to the requirements in RAI 1.c. This commitment is also made at the bottom of the first page of the surety calculation.

- d. Submit for NRC approval an updated surety to cover any planned expansion or operational change not included in the annual surety update at least ninety (90) days prior to beginning associated construction. NUREG-1569, Section 6.5.3.11.

The licensee commits to the requirements in RAI 1.d. This commitment is also made at the bottom of the first page of the surety calculation.

Lost Creek ISR, LLC is a wholly-owned subsidiary of Ur-Energy Inc.

TSX: URE

www.ur-energy.com

**Lost Creek Project, NRC License SUA-1598, Docket No. 40-9068
REQUEST FOR ADDITIONAL INFORMATION - REVISED SURETY ESTIMATE - LOST CREEK ISR,
LLC; (June 27, 2012)**

- e. Provide the NRC with copies of surety-related correspondence submitted to a State, a copy of the State's surety review, and the final approved surety arrangement. NUREG-1569, Section 6.5.3.12.

The licensee commits to the requirements in RAI 1.e. This commitment is also made at the bottom of the first page of the surety calculation.

- f. Cover all appropriate costs if the surety is authorized to be held by the State. NUREG-1569, Section 6.5.3.12.

The licensee commits to the requirements in RAI 1.f. This commitment is also made at the bottom of the first page of the surety calculation.

NRC's RAI (#2):

2. The unit cost references should be revised or justified as recommended in NUREG - 1569, Appendix C. Appendix C of NUREG-1569 states that, "Unit costs, calculations, references, assumptions, equipment and operator efficiencies, et cetera , must be provided." In the cover letter accompanying the cost estimate, the licensee states that the "third party costs in the estimate come from the WDEQ Land Quality Division Guideline 12," where applicable. However, the references provided with the unit costs in the estimate do not explicitly cite Guideline 12. As a result, the NRC staff could not confirm the basis for many of the unit cost estimates. The NRC staff requests that the licensee revise or justify the unit cost references to identify the cost elements that are based on the data provided in Guideline 12.

The licensee has revised the Surety Bond Estimate (see attached Summary Table and Worksheets) to cite WDEQ-LQD's Guideline 12 where applicable. Slight changes in the surety amount were made to reflect these adjustments.

NRC's RAI (#3):

3. The licensee should specify whether the cost estimate is expressed in current dollars or is adjusted for inflation to meet acceptance criteria in NUREG-1569, Section 6.5.3. NUREG-1569, Section 6.5.3 recommends that submissions specify whether the cost estimate is expressed in current dollars or adjusted for inflation. The licensee's submission does not explicitly state the method used in its cost estimate. Therefore, the NRC staff requests that the licensee specify the method used.

The Surety Bond Estimate was in current dollars at the time it was submitted and approved by the WDEQ-LQD.

NRC's RAI (#4):

4. Revise or justify the labor costs used as recommended in NUREG-1569, Appendix C. Appendix C of NUREG-1569 states that, "Overhead costs for labor and equipment and contractor profit may be calculated as separate items or loaded into hourly rates. If included in hourly rates, the unit costs must identify the percentages applied for each area." NUREG-1569 also recommends that cost estimates include "a minimum 15- percent contingency."

Lost Creek ISR, LLC is a wholly-owned subsidiary of Ur-Energy Inc.

TSX: URE

www.ur-energy.com

**Lost Creek Project, NRC License SUA-1598, Docket No. 40-9068
REQUEST FOR ADDITIONAL INFORMATION - REVISED SURETY ESTIMATE - LOST CREEK ISR,
LLC; (June 27, 2012)**

Worksheet 1, Section VI, in LCI's surety submission estimates the labor cost associated with groundwater restoration. The cost estimate provides hourly rates for various labor categories. It is not clear to the NRC staff if the hourly rates include overhead costs for labor because the licensee did not provide a separate overhead percentage.

The licensee's submission includes a 29 percent contingency. The cost estimate indicates that this contingency accounts for "miscellaneous items" (such as project design, contractor profit and mobilization, pre-construction investigation, project management, on-site monitoring, site security and liability assurance, and long-term administration) and "unknown costs," per WDEQ's Guideline 12. However, based on the detail provided, the NRC staff finds that it is not clear if the 29 percent contingency includes labor overhead. NRC staff requests that the licensee revise or justify the labor costs in the cost estimate by identifying the overhead percentage applied for labor.

The Labor costs include a 25% overhead factor for benefits and is based on LCI's current hiring information.

NRC's RAI (#5):

5. The licensee did not provide a financial assurance mechanism as listed in 10 CFR 40, Appendix A, Criterion 9. Licensees are required to establish financial surety arrangements in the form of one of the approved mechanisms listed in Criterion 9 prior to the commencement of operations. The cost estimate submission provided by LCI did not include a financial assurance mechanism. The NRC staff requests the financial assurance mechanism to ensure that it is reviewed prior to commencement of operations.

Please find attached a resolution signed by the Board of Directors which describes the surety mechanism along with the signed Collateral Trust Agreement. The resolution was signed in parts for the sake of convenience since the Directors reside in different locations. However, the document has been approved by the entire Board.

UR-ENERGY INC. BOARD OF DIRECTORS RESOLUTION

The undersigned, being all the Directors of Ur-Energy Inc. (the "Corporation"), hereby consent to and sign the following resolution:

Re: Approval of Bond Surety Program with Lexon Surety Group

WHEREAS the Corporation desires to approve the proposed bond surety program with Lexon Surety Group, the general terms of which are:

1. US\$25 million aggregate surety program, to allow for Lost Creek and additional capacity for possible acquisitions;
2. 3.00% flat annual rate on bonds placed;
3. 50% cash collateral requirement; and
4. Cash collateral to be held in a collateral trust account at the Bank of New York;

WHEREAS the Corporation will be required to establish a collateral trust account at the Bank of New York;

WHEREAS management and the Board have reviewed the proposed collateral trust agreement between the Corporation's wholly-owned subsidiary Ur-Energy USA Inc., for itself and in behalf of its subsidiaries and affiliated companies, and Bond Safeguard Insurance Company, in substantive form attached as Exhibit A (the "Trust Agreement"), for the establishment of a collateral trust account at the Bank of New York;

WHEREAS management and the Board have reviewed the proposed General Agreement of Indemnity between the Corporation, for itself and in behalf of its subsidiaries and affiliated companies, and Bond Safeguard Insurance Company and Lexon Insurance Company, in substantive form attached as Exhibit B (the "Indemnity Agreement"), as a prerequisite to the execution of bonds by Bond Safeguard Insurance Company; and

WHEREAS the Board wishes to approve the proposed bond surety program with Lexon Surety Group under the general terms as shown above including the authorization to establish a collateral trust account at the Bank of New York and the approval of the Trust Agreement and the Indemnity Agreement.

BE IT RESOLVED that:

1. The proposed bond surety program with Lexon Surety Group is hereby approved by the Board of Directors, under the following general terms, and as set out in Exhibits A and B:
 - a) US\$25 million aggregate surety program, to allow for Lost Creek and additional capacity for possible acquisitions;
 - b) 3.00% flat annual rate on bonds placed;
 - c) 50% cash collateral requirement; and
 - d) Cash collateral to be held in a collateral trust account at the Bank of New York;
2. The Corporation is authorized to establish a collateral trust account at the Bank of New York;
3. The proposed Trust Agreement with Bond Safeguard Insurance Company, attached as Exhibit A, is hereby approved by the Board of Directors, with authority of management to make appropriate non-material changes to the Trust Agreement; and
4. The proposed Indemnity Agreement with Bond Safeguard Insurance Company and Lexon Insurance Company, attached as Exhibit B, is hereby approved by the Board of Directors, with authority of management to make appropriate non-material changes to the Indemnity Agreement.

FURTHER RESOLVED THAT any officer of the Corporation is hereby authorized to execute and deliver such documents evidencing the aforesaid or in furtherance thereof, including without limitation Exhibit A and Exhibit B, and to make such other actions as such officer deems advisable from time to time, in such form and upon such terms as may be approved, such approval to be conclusively evidenced by such execution and delivery.

Dated: April 4, 2012.



Jeffrey R. Klenda

✓

Thomas Parker

✓

Paul Macdonell

✓

Wayne W. Heili

✓

James M. Franklin

✓

W. William Boberg

COLLATERAL TRUST AGREEMENT

This **COLLATERAL TRUST AGREEMENT** ("Agreement") is dated as of the 6th day of April, 2012 and is entered into between Ur-Energy USA Inc., a Colorado corporation, and any and all of its subsidiaries and affiliates now owned and/ or hereafter controlled or acquired (the "Principal(s)"), and Bond Safeguard Insurance Company, an Illinois corporation, its heirs, assigns or successors (the "Trustee").

RECITALS

WHEREAS, the Principal(s) desires to have Bond Safeguard Insurance Company and/ or Lexon Insurance Company issue a surety bond or bonds (the "Bond(s)") on behalf of the Principal(s); and

WHEREAS, the Principal(s) may request Bond Safeguard Insurance Company and/ or Lexon Insurance Company, or any of its subsidiaries or affiliates, to issue an additional bond or bonds, from time to time; and/ or

WHEREAS, to induce Bond Safeguard Insurance Company and/ or Lexon Insurance Company or any of its subsidiaries or affiliates to act as surety under a Bond or Bonds or to induce them to remain as Surety on existing bonds which have been or may be requested in the future or have previously been executed, the Principal(s) agree to deposit or caused to be deposited the "Trust Property" (as herein after defined) with the Trustee as collateral for the potential liability as surety incurred by Bond Safeguard Insurance Company and/ or Lexon Insurance Company, or any of its subsidiaries or affiliates.

AGREEMENT

NOW THEREFORE, the Principal and the Trustee hereby agree as follows:

ARTICLE I (CREATION OF TRUST)

1.1 Declaration of Trust. The Principal hereby delivers to the Trustee, in trust, to be held and disposed of upon the terms and conditions set forth in this Agreement, the U. S. Treasury debt instruments, registered in the name of the Trustee, in the original principal amount and maturing on such date as agreed to and set forth on the BNY Mellon Capital Markets, LLC. Safekeeping Account Verification statement to be attached hereto. For purposes of this Agreement, the "Trust Property" shall be any securities backed by the US Treasury, including US Treasury Bills and US Treasury Notes with maturities of six months or less, held by the Trustee at any time and from time to time pursuant to the terms of this Agreement.

1.2 Acceptance of Trust. The Trustee hereby accepts the Trust Property in trust pursuant to the terms of this Agreement, and agrees to hold, administer and distribute the Trust Property in accordance with the terms of this Agreement.

ARTICLE II
(DUTIES OF THE TRUSTEE)

2.1 Retention and Distribution of Trust Property.

- (a) The Trustee shall hold the Trust Property and dispose of the same as follows:
- (i) Within thirty (30) days following receipt of written notice from Bond Safeguard Insurance Company and/ or Lexon Insurance Company, or any of its subsidiaries or affiliates that Bond Safeguard Insurance Company and/ or Lexon Insurance Company, or any of its subsidiaries or affiliates has made, or is required to make, payment to any Owner or Obligee of any bond or bonds which have been or may be issued by Bond Safeguard Insurance Company and/ or Lexon Insurance Company, or any of its subsidiaries or affiliates in satisfaction of Bond Safeguard Insurance Company and/ or Lexon Insurance Company, or any of its subsidiaries or affiliates obligations under the Bond, accompanied by written evidence of such payment or requirement to make payment, the Trustee shall thereupon sell at its sole option such amount of the Trust Property as shall yield the amount of cash proceeds equal to the amount paid or required to be paid as described above, and shall pay such cash proceeds to Bond Safeguard Insurance Company and/ or Lexon Insurance Company, or any of its subsidiaries or affiliates; within ten (10) days following such payment, the Trustee shall notify the Principal of such payment and of the principal amount of Trust Property sold and remaining.
 - (ii) Provided Bond Safeguard Insurance Company and/ or Lexon Insurance Company, or any of its subsidiaries or affiliates remain liable on any Bond or Bonds the Trustee may, upon maturity of the securities held in Trust use the entire value of the proceeds to purchase identical securities unless the Principal gives specific written instructions to purchase securities with a different term to maturity,
 - (iii) Within thirty (30) days following receipt of written notice signed by the Principal and Owner or Obligee that Bond Safeguard Insurance Company and/ or Lexon Insurance Company, or any of its subsidiaries or affiliates have been exonerated of all past, present and future liability, that all Bonds have expired, and have been terminated, the Trustee shall deliver or cause to deliver the Trust Property to the Principal.

- (b) Unless the Trustee is otherwise notified, deliveries of the Trust Property required to be made under this Agreement to the Principal shall be directed to the address and attention of the person indicated in Section 7.1 of this Agreement and deliveries of cash proceeds from the sale of the Trust Property and any other documents or notices required to be made to Bond Safeguard Insurance Company and/ or Lexon Insurance Company, or any of its subsidiaries or affiliates shall be directed to:

Bond Safeguard Insurance Company
256 Jackson Meadow Dr., Suite 201
Hermitage, TN 37076
Attn: David E. Campbell, President

2.2 Annual Statement. The Trustee shall deliver to Bond Safeguard Insurance Company and/ or Lexon Insurance Company, or any of its subsidiaries or affiliates and the Principal an annual statement setting forth the composition and approximate market value of the Trust Property.

ARTICLE III

POWERS OF THE TRUSTEE

3.1 POWERS.

- (a) The Trustee shall have the power to take any and all actions as in the judgment of the Trustee is necessary or convenient to facilitate the discharge of its duties hereunder, including but not limited to, each power expressly granted in subsection (b) below and any power reasonably identical thereto.
- (b) Without limiting the generality of subsection (a) above, the Trustee shall have the following powers:
- (i) To sell the Trust Property or a portion thereof, and deliver the cash proceeds thereof to Bond Safeguard Insurance Company and/ or Lexon Insurance Company, or any of its subsidiaries or affiliates or to itself in accordance with Section 2.1 (a) (i) or 3.1 (b) (iii) of this Agreement, as the case may be;
 - (ii) To deliver the Trust Property to the Principal in accordance with Section 2.1 (a) (iii) of this Agreement.
 - (iii) To reimburse itself, from the cash proceeds received upon sale of the Trust Property or a portion thereof, for costs and expenses reasonably incurred, including the reasonable fees and expenses of counsel in the event advice of counsel is sought as provided in Section 5.2 of this Agreement, in connection with carrying out its duties set forth in this Agreement.

- (iv) To cause the Trust Property to be reissued into such denominations as may be necessary to carry out its desires set forth in this Agreement or to pay expenses.

ARTICLE IV

RELIANCE BY TRUSTEE

4.1 General Reliance. The Trustee may rely, and shall be fully protected in acting upon any resolution, statement, certificate, instrument, opinion, report, notice request, consent, order, bond or other paper or document which it in good faith does not believe to be other than genuine and to have been signed or presented by the proper party or parties or, in the case of cables, telecopies and telexes, to have been sent by the proper party or parties.

4.2 Requirement to Make Payment. For purposes of Section 2.1(a)(i) of this Agreement, Bond Safeguard Insurance Company and/ or Lexon Insurance Company, or any of its subsidiaries or affiliates requirement to make payment under a Bond shall be deemed to be conclusively proved or established by written documentation from the Owner or Obligor to that effect, or such other documentation as the Trustee shall determine in good faith establishes such requirement, and such documentation shall be full warranty to the Trustee for the sale of the Trust Property, payment to Bond Safeguard Insurance Company and/ or Lexon Insurance Company, or any of its subsidiaries or affiliates or any other action taken, suffered or omitted by the Trustee pursuant to Section 2.1 (a) (i) in reliance thereon.

ARTICLE V

LIMITATION ON LIABILITY: ADVICE OF COUNSEL

5.1 Limitation of Liability. The Trustee shall not be liable for any act done or step taken or omitted by it except to the extent that any act or omission constitutes gross negligence or willful misconduct.

5.2 Advice of Counsel. The Trustee may consult with, and obtain advice from legal counsel in the event of any dispute or question as to the construction of any of the provision of this Agreement or its duties under this Agreement, and it shall incur no liability and be fully protected in acting in good faith in accordance with the advice of such counsel.

ARTICLE VI

TERMINATION

6.1 Termination. This Agreement shall terminate upon (i) the written consent of each of the Principal and Trustee or (ii) expiration, termination and full exoneration of the sureties obligation.

ARTICLE VII

MISCELLANEOUS

7.1 Notices. All notices, requests or other communications required or permitted to be made under this Agreement shall be in writing and delivered at the address designated below, or sent by telecopy pursuant to the instructions listed below, or by United States first class mail

with postage prepaid, addressed as follows, or to such other address or addresses as may hereafter be furnished by the Principal to the Trustee or by the Trustee to the Principal in compliance with the terms hereof:

To the Trustee:

Bond Safeguard Insurance Company
256 Jackson Meadow Drive, Suite 201
Hermitage, TN 37076
Attn: David Campbell, President
Tel: (615) 250-3043
Fax: (615) 250-3044

To the Principal:

Ur-Energy USA Inc.
10758 West Centennial Road, Suite 200
Littleton, CO 80127
Attn: Roger Smith, CFO
Tel: (303) 269-7703
Fax: (720) 981-5643

In case of notice given by mail, notice shall be deemed given and received on the fifth calendar day after posting; in the case of notice by telecopier or hand delivery, on the date of actual transmission or personal delivery, as the case may be.

7.2 Amendments. This Agreement may not amended or modified (other than sections 1.1, 1.2, 7.2) except in writing signed by the Principal and Trustee.

7.3 Severability. Should any provision of this Agreement be determined to be unenforceable, such determination shall in no way limit or affect the enforceability and operative effect of any and all other provisions of this Agreement.

7.4 Governing Law. This Agreement shall be governed by the laws of the State of Kentucky without giving effect to conflict of law principles.

7.5 Consent to Jurisdiction. The Principal hereby irrevocably submits to the nonexclusive jurisdiction of any United States Federal or Kentucky State court sitting in Louisville in any action or proceeding arising out of or relating to this Agreement, and the Principal hereby irrevocably agrees that all claims in respect of such action or proceeding may be heard and determined in any such United States Federal or Kentucky State court and the Principal hereby waives any objection, including, without limitation, any objection to the venue or based on the grounds of forum non conveniens which it may now or hereafter have to bringing of any such action or proceeding in such respective jurisdictions. As a method of service the Principal also irrevocably consents to the service of any and all process in any such action or proceeding brought in any court in or of the State of Kentucky by delivery of copies of such

process to the Principal, at its address specified in Section 7.1 or by certified mail direct to such address, such service to be effective upon such delivery or five (5) days after such mailing.

7.6 Counterparts. This Agreement may be executed in one or more counterparts, each of which shall be deemed an original and all of which shall constitute one and the same instrument.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the day and year first above written.

Bond Safeguard Insurance Company
as Trustee

Ur-Energy USA Inc.
as Principal

By: Gregory E. Semrow

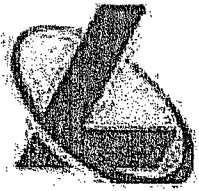
Name: Gregory E. Semrow

Title: Vice President

By: R. Smith

Name: Roger Smith

Title: Chief Financial Officer



**LEXON SURETY
GROUP**

Bond Safeguard Insurance Company
Lexon Insurance Company

GENERAL AGREEMENT OF INDEMNITY

This General Agreement of Indemnity ("Agreement") entered into by and between the undersigned, herein called the "Indemnitors," and Bond Safeguard Insurance Company, Illinois, and Lexon Insurance Company, Texas, with Executive Offices at 265 Jackson Meadows Drive, Hermitage, TN 37076, hereinafter collectively called the "Company," witnesseth:

WHEREAS, in the transaction of business, certain bonds, undertakings and other writings obligatory in the nature of a bond (hereinafter referred to as "bond" or "bonds") have heretofore been, and may hereafter be, required by, for or on behalf of Indemnitors or one or more of the parties included in the designation Indemnitors, and application has been made and will hereafter be made to the Company to execute such bonds, and as a prerequisite to the execution of such bond or bonds, the Company requires complete indemnification.

NOW, THEREFORE, in consideration of the premises, and the payment by the Company of the sum of One (\$1.00) Dollar to each of the Indemnitors, receipt whereof is hereby acknowledged, and for other good and valuable consideration, the Indemnitors do, for themselves, their successors and assigns, jointly and severally, agree with the Company as follows :

1. The Indemnitors will pay to the Company premiums and charges at the rates, and at the times specified in respect to each such bond in the Company's schedule of rates, which, with any additions, or amendments thereto, is by reference made a part hereof, and will continue to pay the same where such premium or charge is annual, until the Company shall be discharged and released from any and all liability and responsibility upon and from each such bond or matters arising therefrom, and until the Indemnitors shall deliver to the Company competent written evidence satisfactory to the Company of its discharge from all liability on such bond or bonds.
2. The Indemnitors will indemnify and save the Company harmless from and against every claim, demand, liability, cost, charge, suit, judgment and expense which the Company may pay or incur in consequence of having executed, or procured the execution of, such bonds, or any renewals or continuations thereof or substitutes therefore, including fees of attorneys, whether on salary, retainer or otherwise, and the expense of procuring, or attempting to procure, release from liability, or in bringing suit to enforce the obligation of any of the Indemnitors under this Agreement. In the event of payment by the Company, the Indemnitors agree to accept the voucher or other evidence of such payment as prima facie evidence of the propriety thereof, and of the Indemnitors liability therefore to the Company.
3. If the Company shall set up a reserve to cover any claim, suit or judgment under any such bond, the Indemnitors will, immediately upon demand, deposit with the Company a sum of money equal to such reserve, such sum to be held by the Company as collateral security on such bond, and such sum and any other money or property which shall have been, or shall hereafter be, pledged as collateral security on any such bond shall, unless otherwise agreed in writing by the Company, be available, in the discretion of the Company, as collateral security on any other or all bonds coming within the scope of this Agreement.
4. The Indemnitors, immediately upon becoming aware of any demand, notice, or proceeding preliminary to determining or fixing any liability with which the Company may be subsequently charged under any such bond, shall notify the Company thereof in writing at its Executive Offices in Lombard, Illinois.
5. The Company shall have the exclusive right to determine for itself and the Indemnitors whether any claim or suit brought against the Company or the Indemnitors upon any such bond shall be settled or defended and its decision shall be binding and conclusive upon the Indemnitors.
6. If such bond be given in connection with a contract, the Company is hereby authorized, but not required, to consent to any change in the contract or in the plans or specifications relating thereto, and to make or guarantee advances or loans for the purposes of the contract without the necessity of seeing to the application thereof, it being understood that the amount of all such advances or loans, unless repaid with interest at the rate of 5% per annum by the Indemnitors to the Company when due, shall be conclusively presumed to be a loss hereunder. In the event of the abandonment, forfeiture or breach of the contract, or the breach of any bond given in connection therewith, or the failure, neglect or refusal to pay for labor or materials used in the prosecution of the contract, the Company shall have the right to take possession of the work under the contract and, at the expense of the Indemnitors, to complete the contract, or cause, or consent, to the completion thereof. The Indemnitors hereby assign, transfer, and set over to the Company (to be effective as of the date

of any such bond, but only in the event of a default as aforesaid), all of their rights under the contract including their right, title and interest in and to all subcontracts let in connection therewith; all machinery, plant, equipment, tools and materials which shall be upon the site of the work or elsewhere for the purposes of the contract, including all materials ordered for the contract, and any and all sums due under the contract at the time of such abandonment, forfeiture, breach, failure, neglect or refusal, or which may thereafter become due, and the Indemnitors hereby authorize the Company to endorse in the name of the payee, and to collect any check, draft, warrant or other instrument made or issued in payment of any such sum, and to disburse the proceeds thereof.

7. It shall not be necessary for the Company to give the Indemnitors, or any one or more of them, notice of the execution of any such bonds, nor of any fact or information coming to the notice or knowledge of the Company affecting its rights or liabilities, or the rights or liabilities of the Indemnitors under any such bond executed by it, notice of all such being hereby expressly waived.

8. In the event of any claim or demand being made by the Company against the Indemnitors, or any one or more of the parties so designated, by reason of the execution of a bond or bonds, the Company is hereby expressly authorized to settle with any one or more of the Indemnitors individually, and without reference to the others, and such settlement or composition shall not affect the liability of any of the others, and the Indemnitors hereby expressly waive the right to be discharged and released by reason of the release of one or more of the joint debtors, and hereby consent to any settlement or composition that may hereafter be made.

9. The Company at its option may decline to execute or participate in, or procure the execution of, any bonds without impairing the validity of this General Agreement of Indemnity.

10. If the Company procures the execution of any bonds by other companies, or executes any such bonds with co-sureties, or reinsures any portions of such bonds with reinsuring companies, then all the terms and conditions of this Agreement shall apply and operate for the benefit of such other companies, co-sureties, and re-insurers as their interests may appear.

11. The liability of the Indemnitors hereunder shall not be affected by the failure of the Principal to sign any such bond, or by any claim that other indemnity or security was to have been obtained, nor by the release of any indemnity, or the return or exchange of any collateral that may have been obtained, and if any party signing this Agreement is not bound for any reason, this Agreement shall still be binding upon each and every other party.

12. This Agreement may be terminated by the Indemnitors, or any one or more of the parties so designated, upon written notice to the Company of not less than ten (10) days, but any such notice of termination shall not operate to modify, bar or discharge the liability of any party hereto, upon or by reason of any and all such obligations that may be then in force.

13. Indemnitors agree that their liability shall be construed as the liability of a compensated surety, as broadly as the liability of the Company is construed toward its obligee.

14. The word Indemnitors, or personal pronouns used to refer to said word, shall apply regardless of number or gender, and to individuals, partnerships or corporations, as the circumstances require.

15. No change or modification of or in the terms of this Agreement shall be effective unless such change or modification is in writing and signed by the President, a Vice-President, a Secretary, or an Assistant Secretary of the Company, and by a duly authorized representative of each Indemnitor.

16. This Agreement shall constitute a security agreement to the Company, as a surety and also a financing statement, both in accordance with the provisions of the Uniform Commercial Code of every jurisdiction wherein such Code is in effect and may be so used by the Company without in any way abrogating, restricting or limiting the rights of the Company under this Agreement or under law, or in equity.

17. At any time, and until such time as the liability of the Company under any and all bonds is terminated, the Company shall have the right to reasonable access to the books, records, and accounts of the Indemnitor and Indemnitors; and any bank depository, material man, supply house, or other person, firm, or corporation when requested by the Company is hereby authorized to furnish the Company any information requested including, but not limited to, the status of the work under contracts being performed by the Indemnitor, the condition of the performance of such contracts and payments of accounts.

18. In the event of any breach, delay or default asserted by the obligee in any bonds, or if the Indemnitors have suspended or ceased work on any contract or contracts covered by any bond, or failed to pay obligations incurred in connection therewith, or in the event of the insolvency or bankruptcy of the Indemnitors, or the appointment of a receiver or trustee for the Indemnitors, or the property of the Indemnitors, or in the event of an assignment for the benefit of creditors of the Indemnitors, or if any action is taken by or against the Indemnitors under or by virtue of the U.S. Bankruptcy Code, or should reorganization or arrangement proceedings be filed by or against the Indemnitors under said

Act, or if any action is taken by or against the Indemnitors under the insolvency laws of any state, possession, or territory of the United States, the Company shall have the right, at its option and in its sole discretion, and is hereby authorized, with or without exercising any other right or option conferred upon it by law or in the terms of this Agreement, to take possession of any part or all of the work under any contract or contracts covered by any such bond, and at the expense of the Indemnitors to complete or arrange for the completion of the same, and the Indemnitors and Indemnitors shall promptly upon demand pay to the Company all losses, and expenses so incurred.

19. THE INDEMNITORS HEREBY ACKNOWLEDGE THAT THIS AGREEMENT IS INTENDED TO COVER ANY BONDS (WHETHER OR NOT COVERED BY ANY APPLICATION SIGNED BY ANY ONE OR MORE OF THE INDEMNITORS—SUCH APPLICATION TO BE CONSIDERED BETWEEN THE PARTIES HERETO AS MERELY SUPPLEMENTARY TO THIS GENERAL AGREEMENT OF INDEMNITY) HERETOFORE OR HEREAFTER EXECUTED BY THE COMPANY ON BEHALF OF THE INDEMNITORS, OR ANY ONE OF THEM (WHETHER CONTRACTING ALONE OR AS A JOINT OR CO-ADVENTURER), FROM TIME TO TIME, AND OVER AN INDEFINITE PERIOD OF YEARS, UNTIL THIS AGREEMENT SHALL BE CANCELED IN ACCORDANCE WITH THE TERMS HEREOF.

INDEMNITORS HAVE READ THIS GENERAL AGREEMENT OF INDEMNITY CAREFULLY AND HEREBY ACKNOWLEDGE AND AGREE THAT THERE ARE NO SEPARATE AGREEMENTS OR UNDERSTANDINGS WHICH IN ANY WAY LESSEN THEIR OBLIGATIONS AS ABOVE SET FORTH.

IN TESTIMONY WHEREOF, the parties agree that the effective date of this General Agreement of Indemnity is the 6th day of April, 2012.

Addresses

10758 West Centennial Road, Suite 200
Littleton, CO 80127

Ur-Energy Inc. and all subsidiaries now owned and/or
hereinafter created, controlled, managed or acquired.

By: _____

Name: Roger Smith

Title: Chief Financial Officer

256 Jackson Meadow Dr., Suite 201
Hermitage, TN 37076

Bond Safeguard Insurance Company

By: _____

Name: Brook T. Smith

Title: Attorney-in-Fact

Lexon Insurance Company

By: _____

Name: Brook T. Smith

Title: Attorney-in-Fact

IMPORTANT: COMPLETE PHYSICAL ADDRESS INCLUDING ZIP CODE MUST BE GIVEN FOR ALL INDEMNITORS.
INDIVIDUAL INDEMNITORS MUST FURNISH ADDRESS OF PRIMARY RESIDENCE.

Table RP-4 Supplement Reclamation/Restoration Bond Estimate, October 2011 - October 2012

LOST CREEK ISR, LLC SUMMARY OF RECLAMATION/RESTORATION BOND ESTIMATE			
I GROUNDWATER RESTORATION - Worksheet 1			\$388,580
II DECOMMISSIONING AND SURFACE RECLAMATION			\$1,135,962
A. Plant Equipment Removal and Disposal - Worksheet 2			\$10,169
B. Plant Building Demolition and Disposal - Worksheet 3			\$643,074
C. Storage Pond Sludge and Liner Handling - Worksheet 4			\$11,889
D. Well Abandonment - Worksheet 5			\$243,196
E. Wellfield Equipment Removal and Disposal - Worksheet 6			\$81,884
F. Topsoil Replacement and Revegetation - Worksheet 7			\$83,028
G. Miscellaneous Reclamation Activities - Worksheet 8			\$62,722
SUBTOTAL RESTORATION AND RECLAMATION			\$1,524,542
III TOTAL CONTINGENCY			\$442,117
Miscellaneous Items (Footnote 1)	25%	=	\$381,135
Project Design			
Contractor Profit & Mobilization			
Pre-Construction Investigation			
Project Management			
On-Site Monitoring			
Site Security & Liability Assurance			
Longterm Administration			
Contingency (Footnote 2)	4%	=	\$60,982
TOTAL RESTORATION AND RECLAMATION			\$1,966,659

Footnote 1: In accordance with WDEQ-LQD Guideline 12, Section II, B, 12.

Footnote 2: In accordance with WDEQ-LQD Guideline 12, Section II, B, 13.

Pursuant to the acceptance criteria in NUREG 1569, Lost Creek ISR, LLC commits to the following:

Section 6.5.3.7 - The surety value will be updated annually in response to changes in closure or decommissioning plans, and as necessitated by changes in the facility and its operations. Sect. 6.5.3.8 - The surety will be extended for an additional year if the NRC has not approved a proposed revision thirty (30) days prior to the surety expiration date. Sect. 6.5.3.9 - the surety arrangement will be revised within 3 months of the NRC approval of a revised closure plan if estimated costs exceed the amount of the existing financial surety. Sect. 6.5.3.11 - LCI will submit for NRC approval an updated surety to cover any planned expansion or operational change not included in the annual surety at least 90 days prior to beginning associated construction. Sect. 6.5.3.12 - LCI will provide the NRC with copies of surety-related correspondence submitted to the State, a copy of the State's surety review, and the final approved surety arrangement. Sect. 6.5.3.12 - LCI will cover all appropriate costs if the surety is authorized to be held by the State.

Table RP-4 Reclamation/Restoration Bond Estimate, October 2011 - October 2012

LOST CREEK ISR, LLC GROUNDWATER RESTORATION - WORKSHEET 1

Assumptions/Items	Mine Unit No. 1	Explanation	Source
Technical Assumptions:			
Wellfield Area (Square Feet)	442,489	Proposed area	Data
Wellfield Area (Acres)	10.16		Calculated
Affected Ore Zone Area (Square Feet)	442,489	Proposed area affected	Data
Average Completed Thickness (Feet)	12.0	Proposed thickness	Data
Affected Volume:			
Factor For Vertical Flare	20%	Vertical flare estimate	Estimated
Factor For Horizontal Flare	20%	Horizontal flare estimate	Estimated
Total Volume (Cubic Feet)	7,646,210	= Area * Thickness * Vertical flare * Horizontal flare	Calculated
Porosity	26.0%	Typical value for host sand	Data
Gallons Per Cubic Foot	7.48	Conversion factor	Constant
Gallons Per Pore Volume	14,870,349	= Volume * Porosity * gal/ft ³	Calculated
Number of Wells in Unit(s)			
Production Wells	59	Proposed well count	Data
Injection Wells	118	Proposed well count	Data
Average Well Spacing (Feet)	95	Proposed well spacing	Data
Average Well Depth (Feet)	425	Proposed well depth	Data

Table RP-4 Reclamation/Restoration Bond Estimate, October 2011 - October 2012

LOST CREEK ISR, LLC GROUNDWATER RESTORATION - WORKSHEET 1

Assumptions/Items	Mine Unit No. 1	Explanation	Source
I GROUNDWATER SWEEP			
A. PLANT & OFFICE			
Operating Assumptions:			
Flow Rate (Gallons per Minute)	120	Planned flow	Data
Pore Volumes Required	0.0	Not Applicable, No restoration required	Data
Total Gallons For Treatment	0	= Gallons per Pore Volume * Number of Pore Volumes	Calculated
Total Kilogallons for Treatment	0	Not Applicable, No restoration required	Calculated
Cost Assumptions:			
Power			
Average Connected Horsepower	20	Proposed pump horsepower	Data
Kilowatt-hours per Horsepower	0.746		Conversion Factor
Cost per Kilowatt-hour	\$0.060	Estimate based on supplier	Unit Rate
Gallons per Minute	120	Planned rate	Data
Gallons per Hour	7200		Calculated
Cost per Hour	\$0.90		Calculated
Cost per Gallon	\$0.00012		Calculated
Cost per Kilogallon	\$0.124		Calculated
Chemicals			
Antiscalent (Cost per Kilogallon)	\$0.120	Based on required dosage/estimated cost	Unit Rate
Repair & Maintenance (Cost per Kilogallon)	\$0.035	Estimate	Unit Rate
Analysis (Cost per Kilogallon)	\$1.782	From Table RP-5	Unit Rate

Table RP-4 Reclamation/Restoration Bond Estimate, October 2011 - October 2012

LOST CREEK ISR, LLC GROUNDWATER RESTORATION - WORKSHEET 1			
Assumptions/Items	Mine Unit No. 1	Explanation	Source
I GROUNDWATER SWEEP (continued)			
A. PLANT & OFFICE (continued)			
Total Cost per Kilogallon	\$2.061		Calculated
Total Treatment Cost	\$0		Calculated
Utilities			
Power (Cost per Month)	\$225	Estimate	Unit Rate
Propane (Cost per Month)	\$225	Estimate	Unit Rate
Time for Treatment			
Minutes for Treatment	0	=Total Gallons for Treatment Divided by Flow Rate (gpm)	Calculated
Hours for Treatment	0		Calculated
Days for Treatment	0		Calculated
Average Days per Month	30.4		Calculated
Months for Treatment	0.0		Calculated
Utilities Cost	\$0		Calculated
TOTAL PLANT & OFFICE COST	\$0	Not Applicable, No restoration required	

Table RP-4 Reclamation/Restoration Bond Estimate, October 2011 - October 2012

LOST CREEK ISR, LLC GROUNDWATER RESTORATION - WORKSHEET 1

Assumptions/Items	Mine Unit No. 1	Explanation	Source
I GROUNDWATER SWEEP (continued)			
B. WELLFIELD			
Cost Assumptions:			
Power			
Average Flow per Pump (Gallons per Minute)	32	Estimate from pumping	Data
Average Horsepower per Pump	7.50	Estimate from pumping	Data
Average Number of Pumps Required	3.8	Estimate from pumping	Data
Average Connected Horsepower	33.1	Pumps plus 5 horsepower for HH	Data
Kilowatt-hours per Horsepower	0.746		Conversion Factor
Cost per Kilowatt-hour	\$0.060	Estimate based on supplier	Unit Rate
Gallons per Minute	120	Planned flow	Data
Gallons per Hour	7200		Calculated
Cost per Hour	\$1.48		Calculated
Cost per Gallon	\$0.0002		Calculated
Cost per Kilogallon	0.206		Calculated
Repair & Maintenance (Cost per Kilogallon)	\$0.115	Estimate	Unit Rate
Total Cost per Kilogallon	\$0.321		Calculated
TOTAL WELLFIELD COST	\$0	Not Applicable, No restoration required	Calculated
TOTAL GROUNDWATER SWEEP COST	\$0	Not Applicable, No restoration required	Calculated

Table RP-4 Reclamation/Restoration Bond Estimate, October 2011 - October 2012

LOST CREEK ISR, LLC GROUNDWATER RESTORATION - WORKSHEET 1

Assumptions/Items	Mine Unit No. 1	Explanation	Source
II REVERSE OSMOSIS			
A. PLANT & OFFICE			
Operating Assumptions:			
Flow Rate (Gallons per Minute)	760	Estimate from pumping	Data
Pore Volumes Required	0.0	Not applicable, No restoration required	Data
Total Gallons for Treatment	0	= Gallons per Pore Volume * Number of Pore Volumes	Calculated
Total Kilogallons for Treatment	0	= Total Gallons / 1000	Calculated
Feed to Reverse Osmosis Unit (Gallons per Minute)	760	Planned flow	Data
Permeate Flow (Gallons per Minute)	570	= Planned Flow * Average Reverse Osmosis Recovery	Calculated
Brine Flow (Gallons per Minute)	190	= Planned Flow - Permeate Flow	Calculated
Average Reverse Osmosis Recovery	75.0%	Reverse Osmosis Design	Data
Cost Assumptions:			
Power			
Average Connected Horsepower	300.00	Average value for each area	Data
Kilowatt-hours per Horsepower	0.746		Conversion Factor
Cost per Kilowatt-hour	\$0.060	Estimate based on regional power supplier	Unit Rate
Gallons per Minute	760	Planned flow	Data
Gallons per Hour	45600		Calculated
Cost per Hour	\$13.43		Calculated
Cost per Gallon	\$0.00029		Calculated
Cost per Kilogallon	\$0.294		Calculated
Chemicals			
Sulfuric Acid (Cost per Kilogallon)	\$0.090	Estimate	Unit Rate
Caustic Soda (Cost per Kilogallon)	\$0.023	Estimate	Unit Rate
Reductant (Cost per Kilogallon)	\$0.113	Estimate	Unit Rate
Antiscalent (Cost per Kilogallon)	\$0.124	Based on required dosage/estimated cost	Unit Rate
Repair & Maintenance (Cost per Kilogallon)	\$0.068	Estimate	Unit Rate
Sampling & Analysis (Cost per Kilogallon)	\$0.474	From Table RP-5	Unit Rate

Table RP-4 Reclamation/Restoration Bond Estimate, October 2011 - October 2012

LOST CREEK ISR, LLC GROUNDWATER RESTORATION - WORKSHEET 1			
Assumptions/Items	Mine Unit No. 1	Explanation	Source
II REVERSE OSMOSIS (continued)			
A. PLANT & OFFICE (continued)			
Total Cost per Kilogallon	\$1.186		Calculated
Total Pumping Cost	\$0	Not Applicable, No restoration required	Calculated
Utilities			
Power (Cost per Month)	\$560	Estimate	Unit Rate
Propane (Cost per Month)	\$225	Estimate	Unit Rate
Time for Treatment			
Minutes for Treatment	0		Calculated
Hours for Treatment	0		Calculated
Days for Treatment	0		Calculated
Average Days per Month	30.4		Calculated
Months for Treatment	0.0		Calculated
Utilities Cost	\$0		Calculated
TOTAL PLANT & OFFICE COST	\$0	Not Applicable, No restoration required	Calculated

Table RP-4 Reclamation/Restoration Bond Estimate, October 2011 - October 2012

LOST CREEK ISR, LLC GROUNDWATER RESTORATION - WORKSHEET 1

Assumptions/Items	Mine Unit No. 1	Explanation	Source
II REVERSE OSMOSIS (continued)			
B. WELLFIELD			
Cost Assumptions:			
Power			
Average Flow per Pump (Gallons per Minute)	32.00	Average value for each area	Data
Average Horsepower per Pump	7.50	Average value for each area	Data
Average Number of Pumps Required	23.8	Average value for each area	Data
Average Connected Horsepower	188.1	Pump horsepower plus 10 horsepower	Calculated
Kilowatt-hours per Horsepower	0.746		Conversion Factor
Cost per Kilowatt-hour	\$0.060	Estimate based on supplier	Unit Rate
Gallons per Minute	760	Planned flow	Data
Gallons per Hour	45,600		Calculated
Cost per Hour	\$8.42		Calculated
Cost per Gallon	\$0.0002		Calculated
Cost per Kilogallon	\$0.185		Calculated
Repair & Maintenance (Cost per Kilogallon)	\$0.115	Estimate	Unit Rate
Total Cost per Kilogallon	\$0.300		Calculated
TOTAL WELLFIELD COST	\$0		Calculated
TOTAL REVERSE OSMOSIS COST	\$0	Not Applicable, No restoration required	Calculated

Table RP-4 Reclamation/Restoration Bond Estimate, October 2011 - October 2012

LOST CREEK ISR, LLC GROUNDWATER RESTORATION - WORKSHEET 1			
Assumptions/Items	Mine Unit No. 1	Explanation	Source
III RECIRCULATION			
A. WELLFIELD			
Cost Assumptions:			
Power			
Average Flow per Pump (Gallons per Minute)	32	Estimate from pumping	Data
Average Horsepower per Pump	7.50	Estimate from pumping	Data
Average Number of Pumps Required	59.0	Estimate from pumping	Data
Average Connected Horsepower	447.5	Pumps plus 5 horsepower for HH	Data
Kilowatt-hours per Horsepower	0.746		Conversion Factor
Cost per Kilowatt-hour	0.060	Estimate based on supplier	Unit Rate
Gallons per Minute	1888	Planned flow	Data
Gallons per Hour	113280		Calculated
Cost per Hour	\$20.03		Calculated
Cost per Gallon	\$0.0002		Calculated
Cost per Kilogallon	0.177		Calculated
Repair & Maintenance (Cost per Kilogallon)	\$0.115	Estimate	Unit Rate
Analysis (Cost per Kilogallon)	\$0.000	From Table RP-5	Unit Rate
Total Cost per Kilogallon	\$0.292		Calculated
TOTAL WELLFIELD RECIRCULATION COST	\$0	Not Applicable, No restoration required	Calculated

Table RP-4 Reclamation/Restoration Bond Estimate, October 2011 - October 2012

LOST CREEK ISR, LLC GROUNDWATER RESTORATION - WORKSHEET 1

Assumptions/Items	Mine Unit No. 1	Explanation	Source
IV WASTE DISPOSAL WELL			
Operating Assumptions:			
Annual Evaporation Capacity (Gallons)	0		Data
Average Monthly Evaporation Capacity (Gallons)	0		Calculated
Total Disposal Requirement			
RO Brine and GWS (Total Gallons)	0	=Treatment Gallons * (1- Reverse Osmosis Recovery) + GWS	Calculated
RO Brine and GWS (Total Kilogallons)	0		Calculated
Brine Concentration Factor	50%	Reverse Osmosis Design	Data
Total Concentrated Brine (Gallons)	0	= Reverse Osmosis Brine Gallons * Brine Concentration Factor	Calculated
Months of RO and GWS Operation	0.0		Calculated
Average Monthly Requirement (Gallons)	0	=Total Concentrated Brine / Months of Reverse Osmosis Operation	Calculated
Monthly Balance for DDW (Gallons)	0	=Average Monthly Requirement - Average Monthly Evaporation	Calculated
Total WDW Disposal (Gallons)	0		Calculated
Total WDW Disposal (Kilogallons)	0	Not Applicable, No restoration required	Calculated
Cost Assumptions:			
Power			
Average Connected Horsepower	100.0	Estimate	Data
WDW Average Connected Horsepower	300.0	Estimate	Data
Kilowatt-hours per Horsepower	0.746		Conversion Factor
Cost per Kilowatt-hour	\$0.060	Estimate based on supplier	Unit Rate
Gallons per Minute	115.0	Planned flow	Data
Gallons per Hour	6900		Calculated
Cost per Hour	\$17.90		Calculated
Cost per Gallon	\$0.0026		Calculated
Cost per Kilogallon	\$2.595		Calculated

Table RP-4 Reclamation/Restoration Bond Estimate, October 2011 - October 2012

LOST CREEK ISR, LLC GROUNDWATER RESTORATION - WORKSHEET 1

Assumptions/Items	Mine Unit No. 1	Explanation	Source
IV WASTE DISPOSAL WELL (continued)			
Chemicals			
Reverse Osmosis Antiscalent (Cost per Kilogallon)	\$0.225	Based on required dosage and cost	Unit Rate
WDW Antiscalent (Cost per Kilogallon)	\$0.254	Based on required dosage and cost	Unit Rate
Sulfuric Acid (Cost per Kilogallon)	\$0.315	Estimate	Unit Rate
Corrosion Inhibitor	\$0.244	Estimate	Unit Rate
Repair & Maintenance (Cost per Kilogallon)	\$0.130	Estimate	Unit Rate
Total Cost per Kilogallon	\$3.762		Calculated
TOTAL WASTE DISPOSAL WELL COST	\$0	Not Applicable, No restoration required	Calculated
V STABILIZATION MONITORING			
Operating Assumptions:			
Time of Stabilization (Months)	0	Time frame required	Data
Frequency of Analysis (Months)	0	Required sampling	Data
Total Sets of Analysis	0	Required sampling	Data
Cost Assumptions:			
Power (Cost per Month)	\$1,125	Estimate	Unit Rate
Total Power Cost	\$0		Calculated
Sampling & Analysis (Cost per Set)	\$8,178	From Table RP-5	Unit Rate
Total Sampling & Analysis Cost	\$0	From Table RP-5	Calculated
Utilities (Cost per Month)	\$2,250	Estimate	Unit Rate
Total Utilities Cost	\$0		Calculated
TOTAL STABILIZATION COST	\$0	Not Applicable, No restoration required	Calculated

Table RP-4 Reclamation/Restoration Bond Estimate, October 2011 - October 2012

LOST CREEK ISR, LLC GROUNDWATER RESTORATION - WORKSHEET 1

Assumptions/Items				Mine Unit No. 1	Explanation	Source
VI LABOR						
Cost Assumptions						
	Crew Numbers	Cost per Hour	Hours	Crew	Cost	
	1	\$50.00	700	Project Manager	\$35,000	Based on URE surveys and recent hiring, includes 25% for benefits Data
	1	\$40.00	0	Supervisor/RSO	\$0	na Data
	1	\$30.00	0	EHS Tech	\$0	na Data
	1	\$30.00	0	Sampler	\$0	na Data
	8	\$30.00	0	Plant and Field Operators	\$0	na Data
	1	\$30.00	700	Maintenance	\$21,000	Based on URE surveys and recent hiring, includes 25% for benefits Data
	1	\$30.00	700	Office Support	\$21,000	Based on URE surveys and recent hiring, includes 25% for benefits Data
	1	\$30.00	700	Equipment Operator	\$21,000	Based on URE surveys and recent hiring, includes 25% for benefits Data
	2	\$30.00	700	Reclamation Laborer	\$42,000	Based on URE surveys and recent hiring, includes 25% for benefits Data
	1	\$35.00	700	Foreman	\$24,500	Based on URE surveys and recent hiring, includes 25% for benefits Data
	1	\$40.00	0	Lab Chemist	\$0	na Data
	2	\$13.50	700	Vehicles	\$18,900	1/2 use truck, WDEQ LQD, Guideline 12, Section I, Table D-1, Reduced from \$27.30 to \$27.00 due to nature of truck. Data
TOTAL RESTORATION LABOR COST					\$183,400	
VII RESTORATION CAPITAL REQUIREMENTS						
I Plug and Abandon DDW (2)				\$205,180	\$104,090 for well 1 and \$101,090 for well 2 based on LCI's Application for UIC Permit, Class I, June, 2009	Data
TOTAL				\$205,180		

Table RP-4 Reclamation/Restoration Bond Estimate, October 2011 - October 2012

LOST CREEK ISR, LLC GROUNDWATER RESTORATION - WORKSHEET 1			
Assumptions/Items	Mine Unit No. 1	Explanation	Source
SUMMARY:			
I GROUNDWATER SWEEP	\$0		
II REVERSE OSMOSIS	\$0		
III RECIRCULATION	\$0		
IV WASTE DISPOSAL WELL	\$0		
V STABILIZATION	\$0		
VI LABOR	\$183,400		
VII CAPITAL	\$205,180		
TOTAL GROUNDWATER RESTORATION COST	\$388,580		

Table RP-4 Supplement Reclamation/Restoration Bond Estimate, October 2011 - October 2012

LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: A. Plant Equipment Removal and Disposal - WORKSHEET 2

Assumptions/Items	Shop / Lab / Office	Precipitation Section	Chemical Section	Ion Exchange Section	Restoration Section	Total	Explanation	Source
Volume (Cubic Yards)	15	32	17	93	6	163	Estimate of equipment to be removed	Data
Volume per Truck Load (Cubic Yards)	20	20	20	20	20		Typical load for shipping	Data
Number of Truck Loads	0.8	1.6	0.8	4.6	0.3	8.2		Calculated
I DECONTAMINATION								
Decontamination Cost per Truck Load	\$620	\$620	\$620	\$620	\$620		Estimated average decontaminate	Unit Rate
Percent Requiring Decontamination	0.0%	0.0%	0.0%	0.0%	0.0%		NA	Data
TOTAL DECONTAMINATION COST	\$0	\$0	\$0	\$0	\$0	\$0		Calculated
II DISMANTLING & LOADING								
Cost per Truck Load	\$805	\$805	\$805	\$805	\$805		Estimated average dismantle cost	Unit Rate
TOTAL DISMANTLING & LOADING COST	\$620	\$1,290	\$676	\$3,735	\$242	\$6,562		Calculated
III OVERSIZE								
Percent Requiring Permits	0.0%	10.0%	10.0%	10.0%	10.0%			Data
Cost per Truck Load	\$367	\$367	\$367	\$367	\$367			Unit Rate
TOTAL OVERSIZE COST	\$0	\$59	\$31	\$170	\$11	\$271		Calculated
IV TRANSPORTATION & DISPOSAL								
A. Landfill								
Percent to be Shipped	100.0%	100.0%	100.0%	100.0%	100.0%		Percent acceptable at landfill	Data
Distance (Miles)	48	48	48	48	48		Distance to landfill	Data
Cost per Mile	\$2.90	\$2.90	\$2.90	\$2.90	\$2.90		Current transport rate	Unit Rate
Transportation Cost	\$107	\$223	\$117	\$646	\$42			Calculated
Disposal Fee per Cubic Yard	\$13.50	\$13.50	\$13.50	\$13.50	\$13.50		Landfill fee Rawlins, WY Landfill	Unit Rate
Disposal Cost	\$208	\$433	\$227	\$1,253	\$81			Calculated
Total Cost	\$315	\$656	\$344	\$1,898	\$123			Calculated
B. Licensed Site								
Percent to be Shipped	0.0%	0.0%	0.0%	0.0%	0.0%		Percent requiring disposal at licensed site	Calculated
Distance (Miles)	105	105	105	105	105		Distance to Shirley Basin Site, WY	Data
Cost per Mile	\$2.90	\$2.90	\$2.90	\$2.90	\$2.90		Current transport rate	Unit Rate
Transportation Cost	\$0	\$0	\$0	\$0	\$0			Calculated
Disposal Cost per Cubic Foot	\$12.38	\$12.38	\$12.38	\$12.38	\$12.38		Licensed site fee	Unit Rate
Volume per Truck Load (Cubic Yards)	20.0	20.0	20.0	20.0	20.0		Typical load for shipping	Data
Volume per Truck Load (Cubic Feet)	540	540	540	540	540			Calculated
Disposal Cost	\$0	\$0	\$0	\$0	\$0			Calculated
Total Cost Licensed Site	\$0	\$0	\$0	\$0	\$0			Calculated
TOTAL TRANSPORTATION & DISPOSAL COST	\$315	\$656	\$344	\$1,898	\$123	\$3,336		Calculated
TOTAL PLANT EQUIPMENT REMOVAL AND DISPOSAL COST	\$935	\$2,005	\$1,050	\$5,803	\$376	\$10,169		Calculated

Table RP-4 Supplement Reclamation/Restoration Bond Estimate, October 2011 - October 2012

LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: B. Plant Building Demolition and Disposal - WORKSHEET 3

Assumptions/Items							Plant	Header Houses	Drill Shed	Total	Explanation	Source																																																
I STRUCTURE DEMOLITION & DISPOSAL																																																												
Structural Character							2-Story Steel Frame	1-Story Pre-Fab. (1)	1-Story Pole Barn																																																			
Demolition Volume (Cubic Feet)							1,248,000	3,270	22,400		Estimated volume of structures	Data																																																
Demolition Cost per Cubic Foot							\$0.2620	\$0.2620	\$0.2620		WDEQ-LQD Guideline 12, Appendix K	Unit Rate																																																
Demolition Cost							\$326,976	\$857	\$5,869	\$333,702		Calculation																																																
Factor For Gutting							10.0%	10.0%	10.0%		Estimated gutting factor	Data																																																
Gutting Cost							\$32,698	\$86	\$587	\$33,370		Calculation																																																
Weight (Pounds)							196,750	16,500	15,000		Estimated weight of building components	Data																																																
<table><thead><tr><th>Quantity</th><th>Height (Feet)</th><th>Length (Feet)</th><th>Area (Square Feet)</th><th>Density (Pounds per Square Foot)</th><th>Building Weight (Pounds)</th></tr></thead><tbody><tr><td>Ends</td><td>2</td><td>1</td><td>4800</td><td>9600</td><td>2.5</td><td>24000</td></tr><tr><td>Roof</td><td>2</td><td>82.5</td><td>260</td><td>42900</td><td>2.5</td><td>107250</td></tr><tr><td>Sidewall</td><td>2</td><td>20</td><td>260</td><td>10400</td><td>2.5</td><td>26000</td></tr><tr><td>Internal Wall</td><td>1</td><td>20</td><td>460</td><td>9200</td><td>2.5</td><td>23000</td></tr><tr><td>Internal Wall</td><td>1</td><td>30</td><td>220</td><td>6600</td><td>2.5</td><td>16500</td></tr><tr><td colspan="5">Total 2-Story Steel Frame Weight</td><td colspan="2">196750</td></tr></tbody></table>													Quantity	Height (Feet)	Length (Feet)	Area (Square Feet)	Density (Pounds per Square Foot)	Building Weight (Pounds)	Ends	2	1	4800	9600	2.5	24000	Roof	2	82.5	260	42900	2.5	107250	Sidewall	2	20	260	10400	2.5	26000	Internal Wall	1	20	460	9200	2.5	23000	Internal Wall	1	30	220	6600	2.5	16500	Total 2-Story Steel Frame Weight					196750	
Quantity	Height (Feet)	Length (Feet)	Area (Square Feet)	Density (Pounds per Square Foot)	Building Weight (Pounds)																																																							
Ends	2	1	4800	9600	2.5	24000																																																						
Roof	2	82.5	260	42900	2.5	107250																																																						
Sidewall	2	20	260	10400	2.5	26000																																																						
Internal Wall	1	20	460	9200	2.5	23000																																																						
Internal Wall	1	30	220	6600	2.5	16500																																																						
Total 2-Story Steel Frame Weight					196750																																																							
Weight per Truck Load							40,000	40,000	40,000		Typical load for shipping	Data																																																
Number of Truck Loads							4.9	0.4	0.4			Calculation																																																
Distance to Landfill							48	48	48		Distance to Rawlins, WY landfill	Data																																																
Cost per Mile							\$2.90	\$2.90	\$2.90		Current transport rate	Unit Rate																																																
Transportation Cost							\$685	\$57	\$52	\$794																																																		
Disposal Cost per Ton							\$40.20	\$40.20	\$40.20		City of Rawlins, WY Landfill Fee	Unit Rate																																																
Disposal Cost							\$3,955	\$332	\$302	\$4,588		Calculation																																																
TOTAL STRUCTURE DEMOLITION & DISPOSAL COST							\$364,313	\$1,331	\$6,809	\$372,454		Calculation																																																

Table RP-4 Supplement Reclamation/Restoration Bond Estimate, October 2011 - October 2012

LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: B. Plant Building Demolition and Disposal - WORKSHEET 3

Assumptions/Items	Plant	Header Houses	Drill Shed	Total	Explanation	Source
II CONCRETE DECONTAMINATION, DEMOLITION & DISPOSAL						
Area (Square Feet)	30,050	283	565		Building concrete area	Data
Average Thickness (Feet)	1	1.0	0.3			Data
Volume (Cubic Feet)	30,050	283	141			Calculation
Percent Requiring Decontamination	0.0%	0.0%	0.0%			Data
Percent Decontaminated	0.0%	0.0%	0.0%			Data
Decontamination (Cost per Square Foot)	\$0.191	\$0.191	\$0.191			Unit Rate
Decontamination Cost	\$0	\$0	\$0	\$0		Calculation
Demolition (Cost per Square Foot)	\$5.270	\$5.270	\$5.270		WDEQ-LQD Guideline 12, Appendix K	Unit Rate
Demolition Cost	\$158,364	\$1,491	\$2,978	\$162,832		Calculation
Transportation & Disposal						
A. Landfill Disposal						
Percent to be Disposed at Landfill	100%	100%	100%			Data
Concrete Weight (Pounds per Cubic Foot)	150	150	150			Data
Concrete Weight (Pounds)	4,507,500	42,450	21,188			
Weight per Truck Load (Pounds)	40,000	40,000	40,000			
Number of Truck Loads	112.7	1.1	0.5			
Distance to Landfill (Miles)	48	48	48			
Cost per Mile	\$2.90	\$2.90	\$2.90		Current transport rate	
Transportation Cost	\$15,686	\$148	\$74	\$15,908		Data
Disposal Cost per Ton	\$40.20	\$40.20	\$40.20		City of Rawlins, WY Landfill Fee	Unit Rate
Disposal Cost	\$90,601	\$853	\$426	\$91,880		Calculation
B. Licensed Site						
Percent to be Shipped	0%	0%	0%			Calculation
Distance (Miles)	105	105	105			Data
Cost per Mile	\$2.90	\$2.90	\$2.90		Current transport rate	Unit Rate
Transportation Cost	\$0	\$0	\$0	\$0		Calculation
Disposal Cost per Cubic Foot	\$4.16	\$4.16	\$4.16			Unit Rate
Volume per Truck Load (Cubic Yards)	20	20	20			Data
Volume per Truck Load (Cubic Feet)	540	540	540			Calculation
Disposal Cost	\$0	\$0	\$0	\$0		Calculation
TOTAL CONCRETE DECONTAMINATION, DEMOLITION & DISPOSAL COST	\$264,650	\$2,492	\$3,477	\$270,620		Calculation

Table RP-4 Supplement Reclamation/Restoration Bond Estimate, October 2011 - October 2012

LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: B. Plant Building Demolition and Disposal - WORKSHEET 3						
Assumptions/Items	Plant	Header Houses	Drill Shed	Total	Explanation	Source
III SOIL REMOVAL & DISPOSAL						
Front End Loader Cost per Hour	\$116	\$116	\$116	\$116	WDEQ-LQD Guideline 12, Appendix J	
Time with Front End Loader (Hours)	0	0	0	0		
Cost of Front End Loader	\$0	\$0	\$0	\$0	Assume removal of 3" of Contaminated	Data
Volume to be Shipped (Cubic Feet)	0	0	0		Soil Under Headers, 1" under Plant,	Data
Distance (Miles)	105	105	105		Disposal at a Licensed Facility	Data
Cost per Mile	\$2.90	\$2.90	\$2.90			Unit Rate
Transportation Cost	\$0	\$0	\$0	\$0		Calculation
Disposal Fee per Cubic Foot	\$4.16	\$4.16	\$4.16			Unit Rate
Quantity per Truck Load (Cubic Feet)	540	540	540			Data
Disposal Cost	\$0	\$0	\$0	\$0		Calculation
TOTAL SOIL REMOVAL & DISPOSAL COST	\$0	\$0	\$0	\$0		Calculation
IV RADIATION SURVEY						
Area Required (Acres)	0.00	0.00	0.00			Data
Survey Cost per Acre	\$653.00	\$653.00	\$653.00		Estimate	Unit Rate
TOTAL RADIATION SURVEY COST	\$0	\$0	\$0	\$0		Calculation
TOTAL PLANT BUILDING DEMOLITION AND DISPOSAL COST	\$628,963	\$3,824	\$10,287	\$643,074		Calculation

Table RP-4 Supplement Reclamation/Restoration Bond Estimate, October 2011 - October 2012

LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: C. Storage Pond Sludge and Liner Handling - WORKSHEET 4

Assumptions/Items	Pond 1 Storage	Pond 2 Storage	Total	Explanation	Source
I POND SLUDGE					
Average Sludge Depth (Feet)	0.000	0.000			Data
Average Sludge Area (Square Feet)	40,300	40,300			Data
Sludge Volume (Cubic Feet)	-	-			Calculated
Sludge Volume (Cubic Yards)	0	0			Calculated
Sludge Volume per Truck Load (Cubic Yards)	20.0	20.0			Data
Number of Sludge Truck Loads	0.0	0.0			Calculated
Sludge Handling Cost Per Load	\$232.44	\$232.44		Estimate 2 hrs per truck with loader	Unit Rate
Total Sludge Handling Cost	\$0	\$0	\$0	from WDEQ-LQD Gdl 12, App J	Calculated
Transportation & Disposal					
Percent to be Shipped	100.0%	100.0%			Data
Distance (Miles)	105	105			Data
Cost per Mile	\$2.90	\$2.90		Current Transport Rate	Unit Rate
Transportation Cost	\$0	\$0			Calculated
Disposal Cost per Cubic Foot	\$12.38	\$12.38		Licensed Site Fee	Unit Rate
Volume per Truck Load (Cubic Yards)	20.0	20.0			Data
Volume per Truck Load (Cubic Feet)	540	540			Calculated
Disposal Cost	\$0	\$0			Calculated
Total Transportation & Disposal Cost	\$0	\$0	\$0		Calculated
TOTAL POND SLUDGE COST	\$0	\$0	\$0		Calculated

Table RP-4 Supplement Reclamation/Restoration Bond Estimate, October 2011 - October 2012

LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: C. Storage Pond Sludge and Liner Handling - WORKSHEET 4

Assumptions/Items	Pond 1 Storage	Pond 2 Storage	Total	Explanation	Source
II POND LINER					
Total Pond Area (Acres)	0.93	0.93			Data
Total Pond Area (Square Feet)	40,300	40,300			Calculated
Factor For Sloping Sides	20.0%	20.0%			Data
Total Liner Area (Square Feet)	48360	48360			Calculated
Liner Thickness (Mils)	30	30			Data
Liner Thickness (Inches)	0.0300	0.0300			Calculated
Liner Thickness (Feet)	0.0025	0.0025			Calculated
"Swell" Factor	0.0%	0.0%			Data
Liner Volume (Cubic Feet)	121	121			Calculated
Truck Loads of Liner	0.2	0.2			Calculated
Liner Handling Cost					
Labor Crew Cost per Hour	\$125	\$125		3 laborers @ \$30, 1 foreman @ \$35	Unit Rate
Hours per Load	2.0	2.0			Unit Rate
Liner Handling Cost per Load	\$250.00	\$250.00			Calculated
Total Liner Handling Cost	\$50	\$50	\$100		Calculated
Transportation & Disposal					
Percent to be Shipped	100.0%	100.0%			Data
Distance (Miles)	48	48			Data
Cost per Mile	\$2.90	\$2.90		Current transport rate	Unit Rate
Transportation Cost	\$28	\$28			Calculated
Disposal Cost per Cubic Foot	\$0.50	\$0.50		Disposal Fee Rawlins, WY landfill	Unit Rate
Volume per Truck Load (Cubic Feet)	540	540			Data
Disposal Cost	\$54	\$54			Calculated
Total Transportation & Disposal	\$82	\$82	\$164		Calculated
TOTAL POND LINER COST	\$132	\$132	\$264		Calculated

Table RP-4 Supplement Reclamation/Restoration Bond Estimate, October 2011 - October 2012

LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: C. Storage Pond Sludge and Liner Handling - WORKSHEET 4

Assumptions/Items	Pond 1 Storage	Pond 2 Storage	Total	Explanation	Source
III POND BACKFILL					
Backfill Required (Cubic Yards)	10,448	10,448			Data
Backfill Cost per Cubic Yard	\$0.46	\$0.46		WDEQ-LQD Guideline 12, App. E	Unit Rate
TOTAL POND BACKFILL COST	\$4,817	\$4,817	\$9,634		Calculated
IV RADIATION SURVEY					
Areal required (Acres)	0.00	0.00			Data
Survey Cost per Acre	\$653.00	\$653.00		Estimate	Unit Rate
TOTAL RADIATION SURVEY COST	\$0	\$0	\$0		Calculated
V LEAK DETECTION SYSTEM REMOVAL					
Gravel and Piping Volume (Cubic Feet)	1008	1008		Assume 3 inches	Data
Volume per Truck Load (Cubic Feet)	540	540			Data
Loads to be Shipped	1.9	1.9			Calculated
Distance (Miles)	48	48			Data
Cost per Mile	\$2.90	\$2.90		Current transport rate	Unit Rate
Transportation Cost	\$260	\$260			Calculated
Handling Cost	\$232.44	\$232.44		Estimate 2 hrs per truck with loader	Unit Rate
Disposal Fee per Cubic Foot	\$0.50	\$0.50		Disposal Fee Rawlins, WY landfill	Unit Rate
Disposal Cost	\$504	\$504			Calculated
TOTAL LEAK DETECTION SYSTEM REMOVAL COST	\$996	\$996	\$1,992		Calculated
TOTAL POND RECLAMATION COST	\$5,945	\$5,945	\$11,889		Calculated

Table RP-4 Supplement Reclamation/Restoration Bond Estimate, October 2011 - October 2012

LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: D. Well Abandonment - WORKSHEET 5

Assumptions/Items	Mine Unit No. 1	Site Wells	Explanation	Source
Number of Wells	177	188		Data
Average Depth (Feet)	425	533		Data
Average Diameter (Inches)	4.328	4.328		Data
I MATERIALS				
Class G Neat Cement Required (Cubic Feet per Well)	43.4	54.5	$\text{Depth} \times \pi \times ((\text{diameter in inches}/12)^2)/4$	Calculated
Cement Sacks Required per Well	33.9	42.5	15 ppg Class G cement requires 6 gallons water per sack cement and 1-1/2% bentonite by weight	Data
Cement Sack Cost	\$15.65	\$15.65	Current cost from local vendor	Unit Rate
Cement Cost per Well	\$530.88	\$665.78		Calculated
Bentonite Sacks Required per Well	1.0	1.2		Calculated
Bentonite Bag Cost	\$4.25	\$4.25	Current cost from local vendor	Unit Rate
Bentonite Cost per Well	\$4.07	\$5.10		Calculated
TOTAL MATERIALS COST PER WELL	\$534.94	\$670.88		Calculated
II LABOR (INCLUDED IN WORKSHEET 1)				
Hours Required per Well	0.0	0.0		Data
Labor Cost per Hour	\$0.00	\$0.00		Unit Rate
TOTAL LABOR COST PER WELL	\$0.00	\$0.00		Calculated
III EQUIPMENT RENTAL				
Hours Required per Well	1.0	1.0	Estimated time for pit and casing removal	Data
Backhoe Cost per Hour	\$36.33	\$36.33	WDEQ-LQD Guideline 12, Appendix O	Unit Rate
Cementer Cost per Hour	\$25.00	\$25.00	Estimate	Unit Rate
Total Equipment Cost per Well	\$61.33	\$61.33		Calculated
TOTAL ABANDONMENT COST PER WELL	\$596.27	\$732.21		Calculated
SUBTOTAL WELL ABANDONMENT COST	\$ 105,540	\$ 137,656		
TOTAL WELL ABANDONMENT COST	\$ 243,196			Calculated

Table RP-4 Supplement Reclamation/Restoration Bond Estimate, October 2011 - October 2012

LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: E. Wellfield Equipment Removal and Disposal - WORKSHEET 6

Assumptions/Items	MU-1	Site Wells	Explanation	Source
I WELLFIELD PIPING				
A. Removal				
Surface Length per Well (Feet)	250	0		data
Downhole Length per Well (Feet)	350	0		data
Total Number of Wells	0	100	No wells piped in	data
Total Length (Feet)	0	0		Calculated
Cost of Removal per Foot	\$0.109	\$0.109	estimate	Unit Rate
Cost of Removal	\$0	\$0		Calculated
Chipping Rate (feet per hour)	1500	1500	estimate	Estimate
Chipper Cost per Hour	\$30	\$30	estimate	Unit Rate
Chipping Cost	\$0	\$0		Calculated
Average OD (Inches)	1.6	1.6	hdpe pipe od	data
Chipped Volume Reduction (Cubic Feet per Foot)	0.008	0.008		Unit Rate
Chipped Volume (Cubic Feet)	0	0		Calculated
Volume per Truck Load (Cubic Feet)	540	540		data
Total Number of Truck Loads	0.0	0.0		Calculated
B. Survey & Decontamination				
Percent Requiring Decontamination	0%	0%	na, no operations yet	Estimate
Number of Decontamination Loads	0.0	0.0		Calculated
Decontamination Cost per Load	\$620.00	\$620.00		Unit Rate
Decontamination Cost	\$0	\$0		Calculated
C. Transport & Disposal				
Landfill Transportation				
Percent to be Shipped	0.0%	100.0%	No wells piped in	
Loads to be Shipped	0.0	0.0		Calculated
Distance (Miles)	48	48		Data
Transportation Cost per Mile	\$2.90	\$2.90	Current transport rate	Unit Rate
Transportation Cost	\$0	\$0		Calculated
Landfill Disposal				
Disposal Fee per Cubic Yard	\$13.50	\$13.50	Rawlins, WY landfill fee	Unit Rate
Load Volume (Cubic Yards)	0	0		Calculated
Disposal Cost	\$0	\$0		Calculated
Total Landfill Cost	\$0	\$0		Calculated

Table RP-4 Supplement Reclamation/Restoration Bond Estimate, October 2011 - October 2012

LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: E. Wellfield Equipment Removal and Disposal - WORKSHEET 6

Assumptions/Items	MU-1	Site Wells	Explanation	Source
I WELLFIELD PIPING (continued)				
C. Transport & Disposal (continued)				
Licensed Site				
Transportation				
Percent to be Shipped	0.0%	0.0%	na, no operations yet	Calculated
Loads to be Shipped	0.0	0.0		Calculated
Distance (Miles)	105	105		
Transportation Cost per Mile	\$2.90	\$2.90	Current transport rate	Unit Rate
Transportation Cost	\$0	\$0		Calculated
Disposal				
Disposal Fee per Cubic Foot	\$12.38	\$12.38	Licensed site fee	Unit Rate
Disposal Fee per Cubic Yard	\$334.26	\$334.26		Calculated
Load Volume (Cubic Yards)	0	0		
Disposal Cost	\$0	\$0		Calculated
Total Licensed Site Cost	\$0	\$0		Calculated
Total Transport & Disposal Cost	\$0	\$0		Calculated
TOTAL WELLFIELD PIPING REMOVAL & DISPOSAL COST	\$0	\$0		Calculated
II WELL PUMPS				
A. Pump and Tubing Removal				
Number of Wells with Pumps	0	100		
Removal Cost per Well	\$12.07	\$12.07	estimate	Unit Rate
Removal Cost	\$0	\$1,207		Calculated
Number of Pumps per Truck Load	180	180		
Number of Truck Loads (Pumps)	0.0	0.6		Calculated
B. Survey & Decontamination (Pumps)				
Percent Requiring Decontamination	0.0%	0.0%	na, no operations yet	
Number of Decontamination Truck Loads	0.0	0.0		Calculated
Decontamination Cost per Load	\$0.00	\$0.00		Unit Rate
Decontamination Cost	\$0	\$0		Calculated

Table RP-4 Supplement Reclamation/Restoration Bond Estimate, October 2011 - October 2012

LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: E. Wellfield Equipment Removal and Disposal - WORKSHEET 6

Assumptions/Items	MU-1	Site Wells	Explanation	Source
II WELL PUMPS (continued)				
C. Tubing Volume Reduction & Loading				
Length per Well (Feet)	375	450		
Total Length (Feet)	0	45,000		Calculated
Removal Cost per Foot	\$0.014	\$0.014	estimate	Unit Rate
Removal Cost	\$0	\$608		Calculated
Average OD (Inches)	2.0	2.0		
Chipped Volume Reduction (Cubic Feet per Foot)	0.012	0.012		
Chipped Volume (Cubic Feet)	0	540		Calculated
Volume per Truck Load (Cubic Feet)	540	540		
Number of Truck Loads	0.0	1.0		Calculated
D. Transport & Disposal				
Landfill				
Transportation				
Percent to be Shipped (Pumps)	100.0%	100.0%		
Loads to be Shipped	0.0	1.6		Calculated
Distance (Miles)	48	48		
Cost per Mile	\$2.90	\$2.90	Current transport rate	Unit Rate
Transportation Cost	\$0	\$223		Calculated
Disposal				
Disposal Fee per Cubic Yard	\$13.50	\$13.50	Rawlins, WY landfill fee	Unit Rate
Load Volume (Cubic Yards)	0	32		Calculated
Disposal Cost	\$0	\$691		Calculated
Total Landfill Cost	\$0	\$914		Calculated
Licensed Site				
Transportation				
Percent to be Shipped (Pumps)	0.0%	0.0%	na, no operations yet	
Percent to be Shipped (Tubing)	0.0%	0.0%		
Loads to be Shipped	0.0	0.0		Calculated
Distance (Miles)	105	105		Data
Cost per Mile	\$2.90	\$2.90	Current transport rate	Unit Rate
Transportation Cost	\$0	\$0		Calculated

Table RP-4 Supplement Reclamation/Restoration Bond Estimate, October 2011 - October 2012

LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: E. Wellfield Equipment Removal and Disposal - WORKSHEET 6

Assumptions/Items	MU-1	Site Wells	Explanation	Source
II WELL PUMPS (continued)				
D. Transport & Disposal (continued)				
Licensed Site (continued)				
Disposal				
Disposal Cost per Cubic Foot	\$12.38	\$12.38	Licensed site fee	Unit Rate
Disposal Fee per Cubic Yard	\$334.26	\$334.26		Calculated
Load Volume (Cubic Yards)	0	0		Data
Disposal Cost	\$0	\$0		Calculated
Total Licensed Site Cost	\$0	\$0		Calculated
Total Transport & Disposal Cost	\$0	\$914		Calculated
TOTAL WELL PUMP REMOVAL & DISPOSAL COST	\$0	\$2,728		Calculated
III SURFACE TRUNKLINE PIPING				
A. Removal				
Total Length (Feet)	0	0		
Removal Cost per Foot	\$0.081	\$0.081		Unit Rate
Removal Cost	\$0	\$0		Calculated
Average OD (Inches)	8.750	0.000		
Chipped Volume Reduction (Cubic Feet per Foot)	0.088	0.088		Unit Rate
Chipped Volume (Cubic Feet)	0	0		Calculated
Volume per Truck Load (Cubic Feet)	540	540		
Total Number of Truck Loads	0.0	0.0		Calculated
B. Survey & Decontamination				
Percent Requiring Decontamination	0.0%	0.0%		
Number of Decontamination Truck Loads	0.0	0.0		Calculated
Decontamination Cost per Load	\$0.00	\$0.00		Unit Rate
Decontamination Cost	\$0	\$0		Calculated

Table RP-4 Supplement Reclamation/Restoration Bond Estimate, October 2011 - October 2012

LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: E. Wellfield Equipment Removal and Disposal - WORKSHEET 6

Assumptions/Items	MU-1	Site Wells	Explanation	Source
III SURFACE TRUNKLINE PIPING (continued)				
C. Transport & Disposal				
Landfill				
Transportation				
Percent to be Shipped	100.0%	100.0%		
Loads to be Shipped	0.0	0.0		Calculated
Distance (Miles)	48	48		
Cost per Mile	\$2.90	\$2.90	Current transport rate	Unit Rate
Transportation Cost	\$0	\$0		Calculated
Disposal				
Disposal Fee per Cubic Yard	\$13.50	\$13.50	Rawlins, WY landfill fee	Unit Rate
Load Volume (Cubic Yards)	0	0		
Disposal Cost	\$0	\$0		Calculated
Total Landfill Cost	\$0	\$0		Calculated
Licensed Site				
Transportation				
Percent to be Shipped	0.0%	0.0%		Calculated
Loads to be Shipped	0.0	0.0		Calculated
Distance (Miles)	105	105		
Cost per Mile	\$2.90	\$2.90		Unit Rate
Transportation Cost	\$0	\$0		Calculated
Disposal				
Disposal Cost per Cubic Foot	\$12.38	\$12.38	Licensed site disposal fee	Unit Rate
Disposal Fee per Cubic Yard	\$334.26	\$334.26		Calculated
Load Volume (Cubic Yards)	0	0		
Disposal Cost	\$0	\$0		Calculated
Total Licensed Site Cost	\$0	\$0		Calculated
Total Transport & Disposal Cost	\$0	\$0		Calculated
TOTAL SURFACE TRUNKLINE PIPING REMOVAL & DISPOSAL COST	\$0	\$0		Calculated

Table RP-4 Supplement Reclamation/Restoration Bond Estimate, October 2011 - October 2012

LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: E. Wellfield Equipment Removal and Disposal - WORKSHEET 6

Assumptions/Items	MU-1	Site Wells	Explanation	Source
IV BURIED TRUNKLINE				
A. Removal				
Total Length (Feet)	24,304	0		Data
Removal Cost per Buried Foot	\$1.58	\$1.58	Estimate	Unit Rate
Removal Cost	\$19,139	\$0		Calculated
Chipping Rate (feet per hour)	150	150	Estimate	Estimate
Chipper Cost per Hour	\$30	\$30	Estimate	Unit Rate
Chipping Cost	\$4,861	\$0		Calculated
Average OD (Inches)	9.635	9.635	Based on proposed designs	Data
Chipped Volume Reduction (Cubic Feet per Foot)	0.309	0.309		Unit Rate
Chipped Volume (Cubic Feet)	7,510	0		Calculated
Volume per Truck Load (Cubic Feet)	540	540		Data
Number of Truck Loads	13.9	0.0		Calculated
B. Survey & Decontamination				
Percent Requiring Decontamination	0.0%	0.0%		
Number of Decontamination Truck Loads	0.0	0.0		Calculated
Decontamination Cost per Load	\$0.00	\$0.00		Unit Rate
Decontamination Cost	\$0	\$0		Calculated
C. Transport & Disposal				
Landfill				
Transportation				
Percent to be Shipped	100.0%	100.0%		
Loads to be Shipped	13.9	0.0		Calculated
Distance (Miles)	48	48		
Cost per Mile	\$2.90	\$2.90	Current transport rate	Unit Rate
Transportation Cost	\$1,935	\$0		Calculated
Disposal				
Disposal Fee per Cubic Yard	\$13.50	\$13.50	Rawlins, WY landfill fee	Unit Rate
Load Volume (Cubic Yards)	278.1	0.0		Calculated
Disposal Cost	\$52,194	\$0		Calculated
Total Landfill Cost	\$54,129	\$0		Calculated

Table RP-4 Supplement Reclamation/Restoration Bond Estimate, October 2011 - October 2012

LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: E. Wellfield Equipment Removal and Disposal - WORKSHEET 6

Assumptions/Items	MU-1	Site Wells	Explanation	Source
IV BURIED TRUNKLINE (continued)				
C. Transport & Disposal (continued)				
Licensed Site				
Transportation				
Percent to be Shipped	0.0%	0.0%		Calculated
Loads to be Shipped	0.0	0.0		Calculated
Distance (Miles)	105	105		
Cost per Mile	\$2.90	\$2.90	Current transport rate	Unit Rate
Transportation Cost	\$0	\$0		Calculated
Disposal				
Disposal Cost per Cubic Foot	\$12.38	\$12.38	Licensed site disposal fee	Unit Rate
Disposal Fee per Cubic Yard	\$334.26	\$334.26		Calculated
Load Volume (Cubic Yards)	0	0		
Disposal Cost	\$0	\$0		Calculated
Total Licensed Site Cost	\$0	\$0		Calculated
Total Transport & Disposal Cost	\$54,129	\$0		Calculated
TOTAL BURIED TRUNKLINE REMOVAL & DISPOSAL COST	\$78,129	\$0		Calculated
V MANHOLES				
A. Removal				
Total Quantity	9	0		
Removal Cost per Manhole	\$73.16	\$73.16	Estimate	Unit Rate
Removal Cost	\$658	\$0		Calculated
Quantity per Truck Load	10	10		
Number of Truck Loads	0.9	0.0		Calculated
B. Survey & Decontamination				
Percent Requiring Decontamination	0.0%	0.0%		
Number of Decontamination Truck Loads	0.0	0.0		Calculated
Decontamination Cost per Load	\$0.00	\$0.00		Unit Rate
Decontamination Cost	\$0	\$0		Calculated

Table RP-4 Supplement Reclamation/Restoration Bond Estimate, October 2011 - October 2012

LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: E. Wellfield Equipment Removal and Disposal - WORKSHEET 6

Assumptions/Items	MU-1	Site Wells	Explanation	Source
V MANHOLES (continued)				
C. Transport & Disposal				
Landfill				
Transportation				
Percent to be Shipped	100.0%	100.0%		
Loads to be Shipped	0.9	0.0		Calculated
Distance (Miles)	48	48		Unit Rate
Cost per Mile	\$2.90	\$2.90	Current transport rate	Calculated
Transportation Cost	\$125	\$0		
Disposal				
Disposal Fee per Cubic Yard	\$13.50	\$13.50	Rawlins, WY landfill fee	Unit Rate
Load Volume (Cubic Yards)	18.0	0.0		
Disposal Cost	\$243	\$0		Calculated
Total Landfill Cost	\$368	\$0		Calculated
Licensed Site				
Transportation				
Percent to be Shipped	0.0%	0.0%		Calculated
Loads to be Shipped	0.0	0.0		Calculated
Distance (Miles)	105	105		
Cost per Mile	\$2.90	\$2.90	Current transport rate	Unit Rate
Transportation Cost	\$0	\$0		Calculated
Disposal				
Disposal Cost per Cubic Foot	\$12.38	\$12.38	Licensed site disposal fee	Unit Rate
Disposal Fee per Cubic Yard	\$334.26	\$334.26		Calculated
Load Volume (Cubic Yards)	0	0		
Disposal Cost	\$0	\$0		Calculated
Total Licensed Site Cost	\$0	\$0		Calculated
Total Transport & Disposal Cost	\$368	\$0		Calculated
TOTAL MANHOLE REMOVAL & DISPOSAL COST	\$1,027	\$0		Calculated
SUBTOTAL WELLFIELD EQUIPMENT REMOVAL AND DISPOSAL COS	\$79,156	\$2,728		
TOTAL WELLFIELD EQUIPMENT REMOVAL AND DISPOSAL COST	\$81,884			Calculated

Table RP-4 Supplement Reclamation/Restoration Bond Estimate, October 2011 - October 2012

LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: F. Topsoil Replacement and Revegetation - WORKSHEET 7

Assumptions/Items	Plant Site and Mine Unit No. 1	Site Wells	Explanation	Source
I PLANT				
A. Topsoil Handling & Grading				
Affected Area (Acres)	5.0	0.0		Data
Average Affected Thickness (Inches)	16.0	12.0		Data
Topsoil Volume (Cubic Yards)	10,756	0		Calculated
Hauling/Placement Cost per Cubic Yard	\$1.07	\$1.07	WDEQ-LQD Gdline 12, App B, Case 1	Unit Cost
Topsoil Handling Cost	\$11,541	\$0		Calculated
Grading Cost per Acre	\$73.79	\$73.79	WDEQ-LQD Gdline 12, App G	Unit Cost
Grading Cost	\$369	\$0		Calculated
Total Topsoil Handling & Grading Cost	\$11,910	\$0		Calculated
B. Radiation Survey & Soil Analysis				
Survey & Analysis Cost per Acre	\$0.00	\$0.00	NA, no operations yet	Unit Cost
Total Survey & Analysis Cost	\$0	\$0		Calculated
C. Revegetation				
Fertilizer Cost per Acre	\$52.33	\$52.33	Estimate	Unit Cost
Seeding Preparation & Seeding Cost per Acre	\$189.85	\$189.85	Estimate	Unit Cost
Mulching & Crimping Cost per Acre	\$311.25	\$311.25	Estimate	Unit Cost
Total Revegetation Cost per Acre	\$553.43	\$553.43		Calculated
Total Revegetation Cost	\$2,767	\$0		Calculated
TOTAL PLANT COST	\$14,677	\$0		Calculated

Table RP-4 Supplement Reclamation/Restoration Bond Estimate, October 2011 - October 2012

LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: F. Topsoil Replacement and Revegetation - WORKSHEET 7

Assumptions/Items	Plant Site and Mine Unit No. 1	Site Wells	Explanation	Source
II PONDS				
A. Topsoil Handling & Grading				
Affected Area (Acres)	5.0	0.0		Data
Average Affected Thickness (Inches)	22	20		Data
Topsoil Volume (Cubic Yards)	14,789	0		Calculated
Hauling/Placement Cost per Cubic Yard	\$1.07	\$1.07	WDEQ-LQD Gdline 12, App B, Case 1	Unit Cost
Topsoil Handling Cost	\$15,868	\$0		Calculated
Grading Cost per Acre	\$73.79	\$73.79	WDEQ-LQD Gdline 12, App G	Unit Cost
Grading Cost	\$369	\$0		Calculated
Total Topsoil Handling & Grading Cost	\$16,237	\$0		Calculated
B. Radiation Survey & Soil Analysis				
Survey & Analysis Cost per Acre	\$0.00	\$0.00	NA, no operations yet	Unit Cost
Total Survey & Analysis Cost	\$0	\$0		Calculated
C. Revegetation				
Fertilizer Cost per Acre	\$52.33	\$52.33	Estimate	Unit Cost
Seeding Preparation & Seeding Cost per Acre	\$189.85	\$189.85	Estimate	Unit Cost
Mulching & Crimping Cost per Acre	\$311.25	\$311.25	Estimate	Unit Cost
Total Revegetation Cost per Acre	\$553.43	\$553.43		Calculated
Total Revegetation Cost	\$2,767	\$0		Calculated
TOTAL POND COST	\$19,005	\$0		Calculated

Table RP-4 Supplement Reclamation/Restoration Bond Estimate, October 2011 - October 2012

LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: F. Topsoil Replacement and Revegetation - WORKSHEET 7

Assumptions/Items	Plant Site and Mine Unit No. 1	Site Wells	Explanation	Source
III WELLFIELDS				
A. Topsoil Handling & Grading				
Affected Area (Acres)	8.0	0.0		Data
Average Affected Thickness (Inches)	0.0	0.0	NA - Included in well costs - WS5	Data
Topsoil Volume (Cubic Yards)	0	0		Calculated
Hauling/Placement Cost per Cubic Yard	\$1.07	\$1.07		Unit Cost
Topsoil Handling Cost	\$0	\$0		Calculated
Grading Cost per Acre	\$73.79	\$73.79		Unit Cost
Grading Cost	\$590	\$0		Calculated
Total Topsoil Handling & Grading Cost	\$590	\$0		Calculated
B. Radiation Survey & Soil Analysis				
Survey & Analysis Cost per Acre	\$0.00	\$0.00	NA / no operations yet	Unit Cost
Total Survey & Analysis Cost	\$0	\$0		Calculated
C: Spill Cleanup				
Affected Area (Acres)	-	-	NA / no operations yet	Calculated
Affected Area (Square Feet)	-	-		
Average Affected Thickness (Feet)	0.25	0.25		
Affected Volume (Cubic Feet)	-	-		Calculated
Volume per Truck Load (Cubic Feet)	540	540		
Number of Truck Loads	0.0	0.0		Calculated
Distance (Miles)	105	105		
Cost per Mile	\$2.90	\$2.90	Current transport rate	Unit Cost
Transportation Cost	\$0	\$0		Calculated
Handling Cost per Truck Load	\$238	\$238		Unit Cost
Handling Cost	\$0	\$0		Calculated
Disposal Fee per Cubic Foot	\$4.16	\$4.16		Unit Cost
Disposal Cost	\$0	\$0		Calculated
Total Spill Cleanup Cost	\$0	\$0		Calculated

Table RP-4 Supplement Reclamation/Restoration Bond Estimate, October 2011 - October 2012

LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: F. Topsoil Replacement and Revegetation - WORKSHEET 7

Assumptions/Items	Plant Site and Mine Unit No. 1	Site Wells	Explanation	Source
III WELLFIELDS (continued)				
D. Revegetation				
Fertilizer Cost per Acre	\$52.33	\$52.33	Estimate	Unit Cost
Seeding Preparation & Seeding Cost per Acre	\$189.85	\$189.85	Estimate	Unit Cost
Mulching & Crimping Cost per Acre	\$311.25	\$311.25	Estimate	Unit Cost
Total Revegetation Cost per Acre	\$553.43	\$553.43		Calculated
Total Revegetation Cost	\$4,427	\$0		Calculated
TOTAL WELLFIELDS COST	\$5,018	\$0		Calculated
IV ROADS				
A. Topsoil Handling & Grading				
Affected Area (Acres)	10.6	0.0		
Main Road Lengths (ft)	Secondary Road Lengths (ft)			
1,556				
594				
228				
356				
362				
211				
2,309				
1,260				
244				
1,029				
5,049				
13,198	1,900	Total Road Lengths (Feet)		
20	12	Road Width (Feet)		
12	8	Road Borrow (Feet)		
32	20	Road Width and Borrow (Feet)		
9.7	0.9	Road Area (Acres)		
10.6		Total Road Area (Acres)		

Table RP-4 Supplement Reclamation/Restoration Bond Estimate, October 2011 - October 2012

LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: F. Topsoil Replacement and Revegetation - WORKSHEET 7

Assumptions/Items	Plant Site and Mine Unit No. 1	Site Wells	Explanation	Source
IV ROADS (continued)				
A. Topsoil Handling & Grading (continued)				
Average Affected Thickness (Inches)	15	0		
Topsoil Volume (Cubic Yards)	21,312	0		Calculated
Hauling/Placement Cost per Cubic Yard	\$1.07	\$1.07	WDEQ-LQD Gdline 12, App B, Case 1	Unit Cost
Topsoil Handling Cost	\$22,868	\$0		Calculated
Grading Cost per Acre	\$73.79	\$73.79	WDEQ-LQD Gdline 12, App G	Unit Cost
Grading Cost	\$780	\$0		Calculated
Scarify Compacted Area per Acre	\$67.68	\$67.68	WDEQ-LQD Gdline 12, App P	Unit Cost
Scarify Cost	\$715	\$0		Calculated
Total Topsoil Handling & Grading Cost	\$24,363	\$0		Calculated
B. Radiation Survey & Soil Analysis				
Survey & Analysis Cost per Acre	\$0.00	\$0.00	NA / no operations yet	Unit Cost
Total Survey & Analysis Cost	\$0	\$0		Calculated
C. Revegetation				
Fertilizer Cost per Acre	\$52.33	\$52.33	Estimate	Unit Cost
Seeding Preparation & Seeding Cost per Acre	\$189.85	\$189.85	Estimate	Unit Cost
Mulching & Crimping Cost per Acre	\$311.25	\$311.25	Estimate	Unit Cost
Total Revegetation Cost per Acre	\$553.43	\$553.43		Calculated
Total Revegetation Cost	\$5,849	\$0		Calculated
TOTAL ROADS COST	\$30,211	\$0		Calculated

Table RP-4 Supplement Reclamation/Restoration Bond Estimate, October 2011 - October 2012

LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: F. Topsoil Replacement and Revegetation - WORKSHEET 7

Assumptions/Items	Plant Site and Mine Unit No. 1	Site Wells	Explanation	Source
V OTHER				
A. Topsoil Handling & Grading				
Affected Area (Acres)	1.0	1.0		
Average Affected Thickness (Inches)	15.0	15.0		
Topsoil Volume (Cubic Yards)	2016.67	2067.08		Calculated
Hauling/Placement Cost per Cubic Yard	\$1.07	\$1.07	WDEQ-LQD Gdline 12, App B, Case 1	Unit Cost
Topsoil Handling Cost	\$2,164	\$2,218		Calculated
Grading Cost per Acre	\$73.79	\$73.79	WDEQ-LQD Gdline 12, App G	Unit Cost
Grading Cost	\$74	\$76		Calculated
Total Topsoil Handling & Grading Cost	\$2,238	\$2,294		Calculated
B. Radiation Survey & Soil Analysis				
Survey & Analysis Cost per Acre	\$0.00	\$0.00	NA / no operations yet	Unit Cost
Total Survey & Analysis Cost	\$0	\$0		Calculated
C. Revegetation				
Fertilizer Cost per Acre	\$52.33	\$52.33	Estimate	Unit Cost
Seeding Preparation & Seeding Cost per Acre	\$189.85	\$189.85	Estimate	Unit Cost
Mulching & Crimping Cost per Acre	\$311.25	\$311.25	Estimate	Unit Cost
Total Revegetation Cost per Acre	\$553.43	\$553.43		Calculated
Total Revegetation Cost	\$553	\$567		Calculated
TOTAL OTHER COST	\$2,791	\$2,861		Calculated

Table RP-4 Supplement Reclamation/Restoration Bond Estimate, October 2011 - October 2012

LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: F. Topsoil Replacement and Revegetation - WORKSHEET 7

Assumptions/Items	Plant Site and Mine Unit No. 1	Site Wells	Explanation	Source
VI REMEDIAL ACTION				
A. Topsoil Handling & Grading				
Affected Area (Acres)	14.8	0.5	Reseed 50% of previously seeded	Data
Average Affected Thickness (Inches)	0.0	0.0	NA	Data
Topsoil Volume (Cubic Yards)	0	0		Calculated
Hauling/Placement Cost per Cubic Yard	\$1.07	\$1.07	WDEQ-LQD Gdline 12, App B, Case 1	Unit Cost
Topsoil Handling Cost	\$0	\$0		Calculated
Grading Cost per Acre	\$0.00	\$0.00	NA - reseed only	Unit Cost
Grading Cost	\$0	\$0		Calculated
Total Topsoil Handling & Grading Cost	\$0	\$0		Calculated
B. Radiation Survey & Soil Analysis				
Survey & Analysis Cost per Acre	\$0.00	\$0.00		Unit Cost
Total Survey & Analysis Cost	\$0	\$0		Calculated
C. Revegetation				
Fertilizer Cost per Acre	\$52.33	\$52.33		Unit Cost
Seeding Preparation & Seeding Cost per Acre	\$189.85	\$189.85		Unit Cost
Mulching & Crimping Cost per Acre	\$311.25	\$311.25		Unit Cost
Total Revegetation Cost per Acre	\$553.43	\$553.43		Calculated
Total Revegetation Cost	\$8,182	\$284		Calculated
TOTAL REMEDIAL ACTION COST	\$8,182	\$284		Calculated
SUBTOTAL TOPSOIL REPLACEMENT AND REVEGETATION	\$79,883	\$3,145		
TOTAL TOPSOIL REPLACEMENT AND REVEGETATION COST	\$83,028			

Table RP-4 Supplement Reclamation/Restoration Bond Estimate, October 2011 - October 2012

LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: G. Miscellaneous Reclamation Activities - WORKSHEET 8

Assumptions/Items	Quantity	Explanation	Source
I FENCE REMOVAL & DISPOSAL			
Length (Feet)	9,500		Data
Removal & Disposal Cost per Foot	\$0.34	WDEQ-LQD Guideline 12, Appendix H	Unit Cost
TOTAL FENCE REMOVAL AND DISPOSAL COST	\$3,230		Calculated
II CULVERT REMOVAL & DISPOSAL			
Length (Feet)	200		
Removal & Disposal Cost per Foot	\$3.29	WDEQ-LQD Guideline 12, Appendix J	Unit Cost
TOTAL CULVERT REMOVAL & DISPOSAL COST	\$658	Reduce cost by 50% due to 1/2 size culv.	Calculated
III UTILITIES			
Number of Months	3		
Cost per Month	\$2,380	Estimate	Unit Cost
TOTAL UTILITIES COST	\$7,140		Calculated
IV DDW PIPELINE REMOVAL AND DISPOSAL			
Length (Feet)	13,080		
Removal & Disposal Cost per Foot	\$0.86	See "DDW Pipeline Calcs" Worksheet	Unit Cost
TOTAL DDW PIPELINE REMOVAL & DISPOSAL COST	\$11,194		Calculated
V REVEGETATION RETAINER FOR PRIOR YEAR'S DRILLING			
Drill Holes Requiring Retainer	900		Yrs 2005 - 2010
Revegetation Retainer	\$45.00	per WDEQ-LQD	Unit Cost
TOTAL REVEGETATION RETAINER FOR PRIOR YEAR'S DRILLING	\$40,500		Calculated
TOTAL MISCELLANEOUS RECLAMATION ACTIVITIES COST	\$62,722		Calculated

Table RP-5 Supplement Analyses, Equipment, and Tank List for Bond Estimate, October 2011 - October 2012

LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: Restoration Analytical Costs						
Sample Type	Groundwater Sweep					Total
	# of Sample Points	Frequency (Rounds/ Year)	Length of Time (years)	Analytes	Cost per Sample	
UCL Monitoring (Monitor Well Ring)	0	24	0.17	Cl, HCO ₃ , Conductivity ⁽¹⁾	\$30.00	\$0.00
Monitoring of Pattern Area including Production & MP Wells	--	--	--	--	--	--
Production Composite ⁽²⁾	--	--	--	--	--	--
Disposal Stream to Deep Well(s) and Local Water Supply Well	0	12	0.17	TDS, U, Ra	\$115.00	\$0.00
Storage Ponds	0	4	0.17	See Table RP-1b.	\$337.00	\$0.00
Storage Pond Wells	0	12	0.17	Cl, HCO ₃ , Conductivity, U	\$55.00	\$0.00
						\$0.00
Sample Type	Reverse Osmosis					Total
	# of Sample Points	Frequency (Rounds/ Year)	Length of Time (years)	Analytes	Cost per Sample	
UCL Monitoring (Monitor Well Ring)	0	24	0.53	Cl, HCO ₃ , Conductivity	\$33.00	\$0.00
Monitoring of Pattern Area including Production & MP Wells	0	52	0.53	U, Conductivity	\$35.00	\$0.00
Production Composite	0	12	0.53	See Table RP-1b.	\$337.00	\$0.00
Disposal Stream to Deep Well(s) and Local Water Supply Well	0	12	0.53	TDS, U, Ra	\$115.00	\$0.00
Storage Ponds	0	4	0.53	See Table RP-1b.	\$337.00	\$0.00
Storage Pond Wells	0	12	0.53	Cl, HCO ₃ , Conductivity, U	\$55.00	\$0.00
						\$0.00
Sample Type	Recirculation					Total
	# of Sample Points	Frequency (Rounds/ Year)	Length of Time (years)	Analytes	Cost per Sample	
UCL Monitoring (Monitor Well Ring)	0	24	0.08	Cl, HCO ₃ , Conductivity	\$33.00	\$0.00
Monitoring of Pattern Area including Production & MP Wells	--	--	--	--	--	--
Production Composite	0	12	0.08	See Table RP-1b.	\$337.00	\$0.00
Disposal Stream to Deep Well(s) and Local Water Supply Well	0	12	0.08	TDS, U, Ra	\$115.00	\$0.00
Storage Ponds	0	4	0.08	See Table RP-1b.	\$337.00	\$0.00
Storage Pond Wells	0	12	0.08	Cl, HCO ₃ , Conductivity, U	\$55.00	\$0.00
						\$0.00
Sample Type	Stabilization					Total
	# of Sample Points	Frequency (Rounds/ Year)	Length of Time (years)	Analytes	Cost per Sample	
UCL Monitoring (Monitor Well Ring)	0	6	1	Cl, HCO ₃ , Conductivity	\$33.00	\$0.00
Monitoring of Pattern Area including Production & MP Wells	0	5	1	See Table RP-1b.	\$337.00	\$0.00
Production Composite	--	--	--	--	--	--
Disposal Stream to Deep Well(s) and Local Water Supply Well	0	12	1	TDS, U, Ra	\$115.00	\$0.00
Storage Ponds	0	4	1	See Table RP-1b.	\$337.00	\$0.00
Storage Pond Wells	0	12	1	Cl, HCO ₃ , Conductivity, U	\$55.00	\$0.00
						\$0.00
⁽¹⁾ Per Section OP 3.6.4.1, specific UCL parameters for each mine unit will depend on the mine unit characteristics. However, the listed analytes are anticipated to be those used for the all the Lost Creek mine units, and even if another analyte is chosen, the total cost of the analytes is not anticipated to vary greatly.						
⁽²⁾ Combination of flows from all the wells being pumped in a given mine unit, i.e., plant inflow.						

Table RP-5 Supplement Analyses, Equipment and, Tank List for Bond Estimate, October 2011 - October 2012

LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: Equipment and Tank List									
	Quantity	Length (Feet)	Width or Area (Feet or Square Feet)	Thickness (Feet)	Volume (Cubic Feet)	Volume (Cubic Yards)	Contamination	Contaminated Volume (Cubic Yards)	Percent Contamination
SHOP / LAB / OFFICE									
Concrete									
Shop Floor	1	180	40	0.5	3600	133.3	N	0.0	0.0%
Lab Floor	1	40	40.5	0.5	810	30.0	N	0.0	0.0%
Office Floor	1	40	80	0.5	1600	59.3	N	0.0	0.0%
Perimeter Beam	1	340	1	4	1360	50.4	N	0.0	0.0%
Internal Perimeter	1	300	1	2	600	22.2	N	0.0	0.0%
Total Concrete					7970.0	295.2		0.0	0.0%
Equipment									
Lab Tables	0	1	435	3	0	0.0	N	0.0	0.0%
Air Compressor	0	3	3	2	0	0.0	N	0.0	0.0%
Water Heater	0	3	3	6	0	0.0	N	0.0	0.0%
Generator	1	6	4	4	96	3.6	N	0.0	0.0%
MCC	1	20	2	8	320	11.9	N	0.0	0.0%
Total Equipment					416	15.4		0.0	0.0%
TOTAL SHOP / LAB / OFFICE					8386	310.6		0.0	0.0%

Table RP-5 Supplement Analyses, Equipment and, Tank List for Bond Estimate, October 2011 - October 2012

LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: Equipment and Tank List										
	Quantity	Length (Feet)	Width or Area (Feet or Square Feet)	Thickness (Feet)	Volume (Cubic Feet)	Volume (Cubic Yards)	Contamination	Contaminated Volume (Cubic Yards)	Percent Contamination	
PRECIPITATION SECTION										
Concrete										
Precip Floor	1	180	40	0.5	3600	133.3	N	0.0	0.0%	
Perimeter Beam	1	40	1	4	160	5.9	N	0.0	0.0%	
Internal Perimeter	1	400	1	2	800	29.6	N	0.0	0.0%	
Tank Base	6	1	140	1	840	31.1	N	0.0	0.0%	
Pump Base	4	5	5	1	100	3.7	N	0.0	0.0%	
Total Concrete					5500	203.7		0.0	0.0%	
Equipment										
Filter Press	2	12	3	4	288	10.7	N	0.0	0.0%	
YC Slurry Tank	2	1	89.1	1	178.2	6.6	N	0.0	0.0%	
YC Slurry Trailer	0	1	189	1	0	0.0	N	0.0	0.0%	
Precip. Tank	4	1	91.8	1	367.2	13.6	N	0.0	0.0%	
Pumps	8	2	2	1	32	1.2	N	0.0	0.0%	
Total Equipment					865	32.1		0.0	0.0%	
TOTAL PRECIPITATION SECTION					6365	235.8		0.0	0.0%	

Table RP-5 Supplement Analyses, Equipment and, Tank List for Bond Estimate, October 2011 - October 2012

LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: Equipment and Tank List										
	Quantity	Length (Feet)	Width or Area (Feet or Square Feet)	Thickness (Feet)	Volume (Cubic Feet)	Volume (Cubic Yards)	Contamination	Contaminated Volume (Cubic Yards)	Percent Contamination	
CHEMICAL STORAGE										
Concrete										
Chem. Floor	1	80	40	0.5	1600	59.3	N	0.0	0.0%	
Perimeter Beam	1	120	1	4	480	17.8	N	0.0	0.0%	
Internal Perimeter	1	120	1	2	240	8.9	N	0.0	0.0%	
Acid Floor	2	16	16	1	512	19.0	N	0.0	0.0%	
Acid Perimeter	2	64	1	2	256	9.5	N	0.0	0.0%	
Tank Base	4	1	140	1	560	20.7	N	0.0	0.0%	
Pump Base	4	5	5	1	100	3.7	N	0.0	0.0%	
Total Concrete					3748	138.8		0.0	0.0%	
Equipment										
Soda Ash Tank	1	1	81	1	81	3.0	N	0.0	0.0%	
Bicarb Tank	1	1	56.7	1	56.7	2.1	N	0.0	0.0%	
NaOH Tank	1	1	81	1	81	3.0	N	0.0	0.0%	
NaCl Saturator	1	1	75.6	1	75.6	2.8	N	0.0	0.0%	
Peroxide Tank	1	1	18.9	1	18.9	0.7	N	0.0	0.0%	
HCl Tank	1	1	2.7	1	2.7	0.1	N	0.0	0.0%	
Acid Tank	2	1	56.7	1	113.4	4.2	N	0.0	0.0%	
Pumps	6	2	2	1	24	0.9	N	0.0	0.0%	
Total Equipment					453	16.8		0.0	0.0%	
TOTAL CHEMICAL STORAGE					4201	155.6		0.0	0.0%	

Table RP-5 Supplement Analyses, Equipment and, Tank List for Bond Estimate, October 2011 - October 2012

LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: Equipment and Tank List									
	Quantity	Length (Feet)	Width or Area (Feet or Square Feet)	Thickness (Feet)	Volume (Cubic Feet)	Volume (Cubic Yards)	Contamination	Contaminated Volume (Cubic Yards)	Percent Contamination
ION EXCHANGE SECTION									
Concrete									
IX Floor A	1	180	80	0.5	7200	266.7	N	0.0	0.0%
IX Floor B	1	40	40	0.5	800	29.6	N	0.0	0.0%
Perimeter Beam	1	300	1	4	1200	44.4	N	0.0	0.0%
Tank Base	12	1	140	1	1680	62.2	N	0.0	0.0%
IX Base	56	1	1	2	112	4.1	N	0.0	0.0%
Pump Base	8	5	5	1	200	7.4	N	0.0	0.0%
Total Concrete					11192	414.5		0.0	0.0%
Equipment									
IX Column	10	1	86.4	1	864	32.0	N	0.0	0.0%
Guard Column	2	1	64.8	1	129.6	4.8	N	0.0	0.0%
Elution Vessel	2	1	86.4	1	172.8	6.4	N	0.0	0.0%
Fresh Eluate Tank	2	1	91.8	1	183.6	6.8	N	0.0	0.0%
Eluate Tank	2	1	91.8	1	183.6	6.8	N	0.0	0.0%
Rich Eluate Tank	2	1	99.9	1	199.8	7.4	N	0.0	0.0%
Fresh Water Tank	2	1	91.8	1	183.6	6.8	N	0.0	0.0%
Resin Water Decant	1	1	35.1	1	35.1	1.3	N	0.0	0.0%
Resin Water Tank	1	1	91.8	1	91.8	3.4	N	0.0	0.0%
Waste Water Tank	2	1	91.8	1	183.6	6.8	N	0.0	0.0%
RW Sand Filter	0	1	13.5	1	0	0.0	N	0.0	0.0%
RW Bag Filter	4	1	0.8	1	3.2	0.1	N	0.0	0.0%
RW Element Filter	4	1	0.8	1	3.2	0.1	N	0.0	0.0%
Eluate Sump Filter	4	1	0.8	1	3.2	0.1	N	0.0	0.0%
Eluate Bag Filter	6	1	0.8	1	4.8	0.2	N	0.0	0.0%
Eluate Element Filter	4	1	0.8	1	3.2	0.1	N	0.0	0.0%
Resin Screen	4	8	4	1	128	4.7	N	0.0	0.0%
RO Unit	0	20	4	6	0	0.0	N	0.0	0.0%
RO Pump	1	1	3.7	1	3.7	0.1	N	0.0	0.0%
IC/PC Pump	12	1	3.7	1	44.4	1.6	N	0.0	0.0%
WDW Pump	1	4	6	2	48	1.8	N	0.0	0.0%
Sump Pump	4	1	1	3	12	0.4	N	0.0	0.0%
Pumps	6	2	2	1	24	0.9	N	0.0	0.0%
Total Equipment					2505	92.8		0.0	0.0%
TOTAL ION EXCHANGE SECTION					13697	507.3		0.0	0.0%

Table RP-5 Supplement Analyses, Equipment and, Tank List for Bond Estimate, October 2011 - October 2012

LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: Equipment and Tank List									
	Quantity	Length (Feet)	Width or Area (Feet or Square Feet)	Thickness (Feet)	Volume (Cubic Feet)	Volume (Cubic Yards)	Contamination	Contaminated Volume (Cubic Yards)	Percent Contamination
RESTORATION SECTION									
Concrete									
Rest. Floor	1	40	80	0.5	1600	59.3	N	0.0	0.0%
IX Base	8	1	1	2	16	0.6	N	0.0	0.0%
Pump Base	1	5	5	1	25	0.9	N	0.0	0.0%
Total Concrete					1641	60.8		0.0	0.0%
Equipment									
Rest. Column	2	1	75.6	1	151.2	5.6	N	0.0	0.0%
RO Unit	0	20	4	6	0	0.0	N	0.0	0.0%
RO Pump	0	1	3.7	1	0	0.0	N	0.0	0.0%
Sump Pump	1	1	1	3	3	0.1	N	0.0	0.0%
Pumps	2	2	2	1	8	0.3	N	0.0	0.0%
Total Equipment					162.2	6.0		0.0	0.0%
TOTAL RESTORATION SECTION					1803.2	66.8		0.0	0.0%

Table RP-5 Supplement Analyses, Equipment, and Tank Calculations for Bond Estimate, October 2011 - October 2012

LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: Equipment and Tank Calculations													
	Quantity	Type	Material	ID (Feet)	Height (Feet)	Unit Volume (Cubic Feet)	Total Volume (Cubic Feet)	Thickness (Inches)	Unit Dry Weight (Pounds)	Total Dry Weight (Pounds)	Unit Crushed Volume (Cubic Yards)	Total Crushed Volume (Cubic Yards)	Vessel Numbers
Pressure Vessels													
Ion Exchange Columns	10	Ellip Hd	CS	11.5	9	3739	37393	0.750	25000	250000	3.2	32.3	IX-1 to 10
Guard Columns	2	Ellip Hd	CS	6.5	9	1195	2389	0.500	9200	18400	2.4	4.8	IX-11, 12
Restoration Columns	2	Ellip Hd	CS	10	8	2513	5027	0.625	13700	27400	2.8	5.6	IX-13, 14
Elution Vessels	2	Ellip Hd	CS	11.5	9	3739	7479	0.750	25000	50000	3.2	6.5	E-1, 2
Tanks													
Fresh Eluate Tanks	2	Flat Btm	FRP	14	18	11084	22167	1.000	10,450	20,900	3.4	6.8	T-210A, B
Eluate Tanks	2	Flat Btm	FRP	14	18	11084	22167	1.000	10,450	20,900	3.4	6.8	T-211A, B
Rich Eluate Tanks	2	Flat Btm	FRP	14	20	12315	24630	1.000	11,286	22,572	3.7	7.3	T-212A, B
Fresh Water Tanks	2	Flat Btm	FRP	14	18	11084	22167	1.000	10,450	20,900	3.4	6.8	T-200A, B
Resin Water Decant	1	Cone Btm	FRP	12	8.5	3845	3845	0.750	3,896	3,896	1.3	1.3	T-201
Resin Water Tank	1	Flat Btm	FRP	14	18	11084	11084	1.000	10,450	10,450	3.4	3.4	T-202
Waste Water Tanks	2	Flat Btm	FRP	14	18	11084	22167	1.000	10,450	20,900	3.4	6.8	T-203A, B
Precipitation Tanks	4	Flat Btm	FRP	14	18	11084	44334	1.000	10,450	41,801	3.4	13.6	T-213A - D
Y/C Slurry Storage	2	Cone Btm	CS - RL	12.5	15	7363	14726	0.500	8,242	16,484	3.3	6.6	T-220A, B
Soda Ash Tank	1	Flat Btm	FRP	12	20	9048	9048	1.000	9,316	9,316	3.0	3.0	T-214
Bicarb Mix Tank	1	Flat Btm	FRP	12	12	5429	5429	1.000	6,449	6,449	2.1	2.1	T-215
NaCl Saturator	1	Flat Btm	FRP	12	18	8143	8143	1.000	8,599	8,599	2.8	2.8	T-216
NaOH Tank	1	Flat Btm	FRP	12	20	9048	9048	1.000	9,316	9,316	3.0	3.0	T-219
H2O2 Tank	1	Hor Tank	Alum	9	16.5	4199	4199	0.375	2,396	2,396	0.7	0.7	T-220
Acid Day Tank	1	Flat Btm	CS	5.5	6	570	570	0.250	773	773	0.1	0.1	T-217
Acid Tanks	2	Flat Btm	FRP	12	12	5429	10857	1.000	6,449	12,899	2.1	4.2	T-218A, B
Filtration													
RW Sand Filter	0	Ellip Hd	CS	6	12.5	1414	0	0.500	7,450	0	0.5	0.0	
RW Bag Filter	2		316ss	2	3	38	75	0.375	175	351	0.03	0.1	
RW Element Filter	2		304ss	2	3	38	75	0.375	175	351	0.03	0.1	
Eluate Sump Filter	2		316ss	2	3	38	75	0.375	175	351	0.03	0.1	
Eluate Bag Filter	6		316ss	2	3	38	226	0.375	175	1,052	0.03	0.2	
Eluate Element Filter	2		304ss	2	3	38	75	0.375	175	351	0.03	0.1	
Slurry Filter Press	2						0			0	0.00	0.0	

Table RP-5 Supplement Analyses, Equipment, and Tank Calculations for Bond Estimate, October 2011 - October 2012

LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: Equipment and Tank Calculations													
	Quantity	Type	Material	ID (Feet)	Height (Feet)	Unit Volume (Cubic Feet)	Total Volume (Cubic Feet)	Thickness (Inches)	Unit Dry Weight (Pounds)	Total Dry Weight (Pounds)	Unit Crushed Volume (Cubic Yards)	Total Crushed Volume (Cubic Yards)	Vessel Numbers
Pumps													
IC Pumps (75 hp submersible)	6		SS			3.7	22		560	3,360			P-206A - F
PC Pumps (75 hp submersible)	6		SS			3.7	22		560	3,360			P-207A - F
RO Pumps (75 hp horizontal)	6		CS/SS			3.7	22		560	3,360			
Waste Water Pumps (25 hp centrifugal)	2		SS				0		100	200			P-203A/B
Resin Water Pumps (20 hp centrifugal)	4		SS				0		265	1,060			P-201A/B, 202A/B
Waste Disposal Pump (Plunger)	0		CS/SS			23	0		2,400	0			
Sump Pumps (5 hp)	4		SS				0		295	1,180			
Reverse Osmosis													
200 GPM Unit	0						0			0			
Other													
Resin Screens	5		CS/SS				0			0			S-1A, B, S-2A, B
Water Heater							0			0			
Air Compressor							0			0			
Slurry Trailer	0		CS				0	0.375	15,000	0	7	0.0	TR-1, 2
Generator	2						0			0			
MCC							0			0			
FRP = 0.06													
CS = 0.28													
SS = 0.29													
AI = 0.097													
Accy Fact 1.1													

Table RP-5 Supplement Analyses, Equipment, and Tank List for Bond Estimate, October 2011 - October 2012

LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: Deep Disposal Pipeline Calculations

Assumptions/Items	Deep Disposal Well No. 1	Deep Disposal Well No. 2	Deep Disposal Well No. 3	Total	Source
PIPELINE					
A. Removal					
Total Length (Feet)	11,850	1,230	0	13,080	
Removal Cost per Foot	\$1.58	\$1.58	\$1.58		Unit Rate
Removal Cost	\$9,362	\$972	\$0		Calculated
Average OD (Inches)	4.500	4.500	4.500		
Chipped Volume Reduction (Cubic Feet per Foot)	0.309	0.309	0.309		Unit Rate
Chipped Volume (Cubic Feet)	3,662	380	0	4,042	Calculated
Volume per Truck Load (Cubic Feet)	540	540	540		
Number of Truck Loads	6.8	0.7	0.0	7.5	Calculated
B. Survey & Decontamination					
Percent Requiring Decontamination	0.0%	0.0%	0.0%		
Number of Decontamination Truck Loads	0.0	0.0	0.0	0.0	Calculated
Decontamination Cost per Load	\$0.00	\$0.00	\$0.00		Unit Rate
Decontamination Cost	\$0	\$0	\$0	\$0	Calculated
C. Transport & Disposal					
Landfill					
Transportation					
Percent to be Shipped	100.0%	100.0%	0.0%		
Loads to be Shipped	6.8	0.7	0.0	7.5	Calculated
Distance (Miles)	48	48	48		
Cost per Mile	\$2.90	\$2.90	\$2.90		Unit Rate
Transportation Cost	\$947	\$97	\$0	\$1,044	Calculated
Disposal					
Disposal Fee per Cubic Yard	\$13.50	\$13.50	\$13.50		Unit Rate
Load Volume (Cubic Yards)	20	20	20		
Disposal Cost	\$1,836	\$189	\$0	\$2,025	Calculated
Total Landfill Cost	\$2,783	\$286	\$0	\$3,069	Calculated

Table RP-5 Supplement Analyses, Equipment, and Tank List for Bond Estimate, October 2011 - October 2012

LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: Deep Disposal Pipeline Calculations

Assumptions/Items	Deep Disposal Well No. 1	Deep Disposal Well No. 2	Deep Disposal Well No. 3	Total	Source
PIPELINE (continued)					
C. Transport & Disposal (continued)					
Licensed Site					
Transportation					
Percent to be Shipped	0.0%	0.0%	0.0%		Calculated
Loads to be Shipped	0.0	0.0	0.0	0.0	Calculated
Distance (Miles)	105	105	105		
Cost per Mile	\$2.90	\$2.90	\$2.90		Unit Rate
Transportation Cost	\$0	\$0	\$0	\$0	Calculated
Disposal					
Disposal Cost per Cubic Foot	\$12.38	\$12.38	\$12.38		Unit Rate
Disposal Fee per Cubic Yard	\$334.26	\$334.26	\$334.26		Calculated
Load Volume (Cubic Yards)	20	20	20		
Disposal Cost	\$0	\$0	\$0	\$0	Calculated
Total Licensed Site Cost	\$0	\$0	\$0	\$0	Calculated
Total Transport & Disposal Cost	\$0	\$0	\$0	\$0	Calculated
TOTAL PIPELINE REMOVAL & DISPOSAL COST	\$9,362	\$972	\$0	\$10,333	Calculated
MANHOLES					
A. Removal					
Total Quantity	1	1	0	2	
Removal Cost per Manhole	\$146.32	\$146.32	\$146.32		Unit Rate
Removal Cost	\$146	\$146	\$0	\$293	Calculated
Quantity per Truck Load	10	10	10		
Number of Truck Loads	0.1	0.1	0.0	0.2	Calculated
B. Survey & Decontamination					
Percent Requiring Decontamination	0.0%	0.0%	0.0%		
Number of Decontamination Truck Loads	0.0	0.0	0.0	0.0	Calculated
Decontamination Cost per Load	\$0.00	\$0.00	\$0.00		Unit Rate
Decontamination Cost	\$0	\$0	\$0	\$0	Calculated

Table RP-5 Supplement Analyses, Equipment, and Tank List for Bond Estimate, October 2011 - October 2012

LOST CREEK ISR, LLC DECOMMISSIONING AND SURFACE RECLAMATION: Deep Disposal Pipeline Calculations

Assumptions/Items	Deep Disposal Well No. 1	Deep Disposal Well No. 2	Deep Disposal Well No. 3	Total	Source
MANHOLES (continued)					
C. Transport & Disposal					
Landfill					
Transportation					
Percent to be Shipped	100.0%	100.0%	0.0%		
Loads to be Shipped	0.1	0.1	0.0	0.2	Calculated
Distance (Miles)	48	48	48		Unit Rate
Cost per Mile	\$2.90	\$2.90	\$2.90		Calculated
Transportation Cost	\$14	\$14	\$0	\$28	
Disposal					
Disposal Fee per Cubic Yard	\$13.50	\$13.50	\$13.50		Unit Rate
Load Volume (Cubic Yards)	20	20	20		
Disposal Cost	\$270	\$270	\$0	\$540	Calculated
Total Landfill Cost	\$284	\$284	\$0	\$568	Calculated
Licensed Site					
Transportation					
Percent to be Shipped	0.0%	0.0%	100.0%		Calculated
Loads to be Shipped	0.0	0.0	0.0	0.0	Calculated
Distance (Miles)	105	105	105		
Cost per Mile	\$2.90	\$2.90	\$2.90		Unit Rate
Transportation Cost	\$0	\$0	\$0	\$0	Calculated
Disposal					
Disposal Cost per Cubic Foot	\$12.38	\$12.38	\$12.38		Unit Rate
Disposal Fee per Cubic Yard	\$334.26	\$334.26	\$334.26		Calculated
Load Volume (Cubic Yards)	20	20	20		
Disposal Cost	\$0	\$0	\$0	\$0	Calculated
Total Licensed Site Cost	\$0	\$0	\$0	\$0	Calculated
Total Transport & Disposal Cost	\$284	\$284	\$0	\$568	Calculated
TOTAL MANHOLE REMOVAL & DISPOSAL COST	\$430	\$430	\$0	\$860	Calculated
TOTAL DEEP DISPOSAL WELL PIPELINE REMOVAL AND DISPOSAL COST					
	\$9,792	\$1,402	\$0	\$11,194	Calculated
DEEP DISPOSAL WELL PIPELINE REMOVAL AND DISPOSAL COST PER FOOT					
				\$0.86	Calculated