

**CROW BUTTE RESOURCES, INC.**

86 Crow Butte Road  
P.O. Box 169  
Crawford, Nebraska 69339-0169



(308) 665-2215  
(308) 665-2341 – FAX

September 29, 2006

Mr. Michael Linder  
Director  
Nebraska Department of Environmental Quality  
PO Box 98922  
Lincoln, Nebraska 68509-8922

Subject: 2007 Surety Estimate  
Class III Underground Injection Control Permit Number NE 0122611  
Class I Underground Injection Control Permit Number NE 0210457

Dear Mr. Linder:

Attached is the annual update to the surety estimate for the Crow Butte Uranium Mine. This estimate meets the requirements of Chapter 13 of Title 122, *Rules and Regulations for Underground Injection and Mineral Production Wells* and the annual update requirements included in the referenced permits issued by the Nebraska Department of Environmental Quality (NDEQ).

The surety estimate for 2007 is \$22,883,722, an increase of \$3,084,433 over the 2006 surety estimate of \$19,799,289. Significant changes reflected in the surety estimate for 2007 include the following items:

- 1) The estimate includes the initial operation of Mine Unit 11, with two wellhouses installed in this mine unit by the end of 2007. 275 wells are also projected for Mine Unit 11, which is an increase of 215 wells over the 2006 surety estimate. In addition, 142 wells are included for Mine Unit 10. In all, the 2007 surety includes the costs associated with 377 new wells installed in Mine Units 10 and 11. The areal extent of Mine Units 10 and 11 was increased by 2,736,000 square feet (63.4 acres) to reflect the projected expansion in these mine units. These additional mining wells and areas resulted in significant increases in the groundwater restoration, wellfield reclamation, and well plugging and abandonment costs; and
- 2) The 2007 escalation factor of 4.3% is based on the increase of the June 2006 Consumer Price Index (CPI) over the June 2005 CPI and was applied to labor and some materials. The Master Cost Basis sheets (sheets 29 through 33) indicate the basis for the increase in these cost elements.

# CROW BUTTE RESOURCES, INC.



Mr. Michael Linder  
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The most significant factors contributing to the increased surety estimate include groundwater restoration (+\$1,889,695), wellfield reclamation (+\$518,927), contract administration (+\$246,755), and contingency (+\$370,132). Sheet 2 of the attached estimate presents the changes for selected cost elements over the 2006 surety estimate.

Upon approval of the surety estimate update by the NDEQ, Crow Butte Resources, Inc. (CBR) will provide a secured letter of credit on the renewal date to the State of Nebraska in an amount equal to the updated surety estimate.

If you have any questions or require any further information, please do not hesitate to call me at (308) 665-2215.

Sincerely,  
CROW BUTTE RESOURCES, INC.

Larry Teahon  
Manager of Health, Safety, and Environmental Affairs

Enclosure

cc: Mr. Gary Janosko, Branch Chief  
Fuel Cycle Licensing Branch  
Division of Fuel Cycle Safety and Safeguards  
c/o Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington D.C. 20555

U.S. Nuclear Regulatory Commission  
Mr. Steve Cohen - ADDRESSEE ONLY  
Fuel Cycle Licensing Branch  
Mail Stop T-8F42  
Washington, DC 20555

**Crow Butte Resources, Inc.**  
**Crow Butte Uranium Project 2007 Surety Estimate**  
**(Revised September 2006)**

**Total Restoration and Reclamation Cost Estimate**

|                                                                            |                                |            |                     |
|----------------------------------------------------------------------------|--------------------------------|------------|---------------------|
| <b>I. Groundwater Restoration (Sheets 3 to 6)</b>                          |                                |            | <b>\$12,524,434</b> |
| <b>II. Wellfield Reclamation (Sheets 7 to 10)</b>                          |                                |            | <b>\$4,449,488</b>  |
| <b>III. Commercial Plant Reclamation/Decommissioning (Sheets 11 to 14)</b> |                                |            | <b>\$412,686</b>    |
| <b>IV. R.O. Building Reclamation/Decommissioning (Sheets 11 to 14)</b>     |                                |            | <b>\$60,650</b>     |
| <b>V. Evaporation Pond Reclamation (Sheets 15 to 18)</b>                   |                                |            | <b>\$632,890</b>    |
| <b>VI. Miscellaneous Site Reclamation (Sheets 19 to 21)</b>                |                                |            | <b>\$132,887</b>    |
| <b>VII. Deep Disposal Well Reclamation (Sheet 22)</b>                      |                                |            | <b>\$66,542</b>     |
| <b>VIII. I-196 Brule Aquifer Restoration (Sheets 23 to 24)</b>             |                                |            | <b>\$27,400</b>     |
| <b>Subtotal Reclamation and Restoration Cost Estimate</b>                  |                                |            | <b>\$18,306,977</b> |
|                                                                            | <b>Contract Administration</b> | <b>10%</b> | <b>\$1,830,698</b>  |
|                                                                            | <b>Contingency</b>             | <b>15%</b> | <b>\$2,746,047</b>  |
|                                                                            | <b>TOTAL</b>                   |            | <b>\$22,883,722</b> |

**Crow Butte Resources, Inc.**  
**Crow Butte Uranium Project 2007 Surety estimate**  
**(Revised September 2006)**

**Cost Element Summary**

|                                               | <u>2007</u>         | <u>2006</u>         | <u>Change</u>      |
|-----------------------------------------------|---------------------|---------------------|--------------------|
| <b>Groundwater Restoration</b>                |                     |                     |                    |
| Groundwater Sweep                             |                     |                     |                    |
| Total Gallons Processed (Kgal)                | 488,249             | 433,040             | 55,209             |
| Total Cost                                    | \$297,344           | \$253,901           | \$43,443           |
| RO Treatment                                  |                     |                     |                    |
| Total Gallons Processed (Kgal)                | 2,929,494           | 2,598,243           | 331,251            |
| Total Cost                                    | \$6,636,231         | \$5,625,164         | \$1,011,067        |
| Recirculation                                 |                     |                     |                    |
| Total Gallons Processed (Kgal)                | 488,249             | 433,040             | 55,209             |
| Total Cost                                    | \$409,152           | \$337,223           | \$71,929           |
| Sampling and Monitoring                       |                     |                     |                    |
| Total On Site Samples                         | 30,863              | 27,732              | 3,131              |
| Total On Site Analysis Costs                  | \$1,534,817         | \$1,345,002         | \$189,815          |
| Total Contract Samples                        | 1,423               | 1,400               | 23                 |
| Total Contract Analysis Costs                 | \$284,600           | \$280,000           | \$4,600            |
| <b>Wellfield Reclamation</b>                  |                     |                     |                    |
| Pipeline Removal and Loading                  | \$776,049           | \$663,700           | \$112,349          |
| Well Abandonment                              |                     |                     |                    |
| Total Number of Wells                         | 4,142               | 3,742               | 400                |
| Total Abandonment Cost                        | \$1,350,863         | \$1,252,844         | \$98,019           |
| <b>Site Reclamation</b>                       |                     |                     |                    |
| Site Earthwork                                | \$167,997           | \$152,718           | \$15,279           |
| <b>Plant and Equipment Decontamination</b>    |                     |                     |                    |
| Decontamination Costs                         | \$90,238            | \$75,429            | \$14,809           |
| Demolition Costs                              | \$227,202           | \$216,331           | \$10,871           |
| Piping Shredding Costs                        | \$266,543           | \$232,166           | \$34,377           |
| <b>Transportation and Disposal</b>            |                     |                     |                    |
| Byproduct Material                            |                     |                     |                    |
| Soil-Type Materials, Total Volume (Yd3)       | 3,873               | 3,860               | 13                 |
| Soil-Type Materials, Total Cost               | \$530,146           | \$519,189           | \$10,957           |
| Unpackaged Bulk Materials, Total Volume (Yd3) | 2,020               | 1,846               | 174                |
| Unpackaged Bulk Materials, Total Cost         | \$268,157           | \$245,106           | \$23,051           |
| <b>Contract Administration</b>                | \$1,830,698         | \$1,583,943         | \$246,755          |
| <b>Contingency</b>                            | \$2,746,047         | \$2,375,915         | \$370,132          |
| <b>TOTAL SURETY</b>                           | <b>\$22,883,722</b> | <b>\$19,799,289</b> | <b>\$3,084,433</b> |

**Crow Butte Resources Inc.**  
**Crow Butte Uranium Project 2007 Surety Estimate**  
**(Revised September 2006)**

[illegible]

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Crow Butte Resources Inc.  
Crow Butte Uranium Project 2007 Surety Estimate  
(Revised September 2006)

| Ground Water Restoration |  |    |                                                      |  |  |  |  |                |             |              |              |              |              |              |              |              |              |                |
|--------------------------|--|----|------------------------------------------------------|--|--|--|--|----------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|
|                          |  |    |                                                      |  |  |  |  | Mine Unit 2    | Mine Unit 3 | Mine Unit 4  | Mine Unit 5  | Mine Unit 6  | Mine Unit 7  | Mine Unit 8  | Mine Unit 9  | Mine Unit 10 | Mine Unit 11 | Total          |
|                          |  | 4. | Recirculation Sampling                               |  |  |  |  |                |             |              |              |              |              |              |              |              |              |                |
|                          |  |    | # of Wells                                           |  |  |  |  | 12             | 18          | 43           | 33           | 33           | 46           | 23           | 13           | 29           | 0            |                |
|                          |  |    | Total # samples                                      |  |  |  |  | 12             | 18          | 43           | 33           | 66           | 92           | 46           | 26           | 87           | 0            | 423            |
|                          |  |    | \$/sample                                            |  |  |  |  | \$200          | \$200       | \$200        | \$200        | \$200        | \$200        | \$200        | \$200        | \$200        | \$200        |                |
|                          |  | 5. | Stabilization Sampling (Guideline 8)                 |  |  |  |  |                |             |              |              |              |              |              |              |              |              |                |
|                          |  |    | # of Wells                                           |  |  |  |  | 12             | 18          | 43           | 33           | 33           | 46           | 23           | 13           | 29           | 0            |                |
|                          |  |    | Total # samples                                      |  |  |  |  | 36             | 54          | 129          | 99           | 99           | 138          | 69           | 39           | 87           | 0            | 750            |
|                          |  |    | \$/sample                                            |  |  |  |  | \$200          | \$200       | \$200        | \$200        | \$200        | \$200        | \$200        | \$200        | \$200        | \$200        |                |
|                          |  | 6. | Stabilization Sampling (6 parameter in-house)        |  |  |  |  |                |             |              |              |              |              |              |              |              |              |                |
|                          |  |    | # of Wells                                           |  |  |  |  | 12             | 18          | 43           | 33           | 33           | 46           | 23           | 13           | 29           | 0            |                |
|                          |  |    | Total # samples                                      |  |  |  |  | 72             | 108         | 258          | 198          | 198          | 276          | 138          | 78           | 174          | 0            | 1500           |
|                          |  |    | \$/sample                                            |  |  |  |  | \$52           | \$52        | \$52         | \$52         | \$52         | \$52         | \$52         | \$52         | \$52         | \$52         |                |
|                          |  | 7. | Monitor Well Sampling                                |  |  |  |  |                |             |              |              |              |              |              |              |              |              |                |
|                          |  |    | # of Wells                                           |  |  |  |  | 13             | 13          | 29           | 52           | 60           | 41           | 50           | 40           | 62           | 0            |                |
|                          |  |    | \$/sample                                            |  |  |  |  | \$52           | \$52        | \$52         | \$52         | \$52         | \$52         | \$52         | \$52         | \$52         | \$52         |                |
|                          |  |    | Total # samples (2.2/mo for entire period)           |  |  |  |  | 369            | 345         | 1087         | 2590         | 3435         | 2335         | 4146         | 3256         | 6729         | 0            | 24292          |
|                          |  | 8. | Other Laboratory Costs                               |  |  |  |  |                |             |              |              |              |              |              |              |              |              |                |
|                          |  |    | Radon, urinalysis, etc. =                            |  |  |  |  | \$909          | month       |              |              |              |              |              |              |              |              |                |
|                          |  |    | Total for Other Laboratory Costs:                    |  |  |  |  | \$6,262.25     | \$5,526.05  | \$10,034.15  | \$15,123.93  | \$18,195.98  | \$18,077.82  | \$28,802.72  | \$28,175.59  | \$39,382.20  | \$0.00       | \$169,580.69   |
|                          |  |    | Subtotal Monitoring and Sampling Costs per Mine Unit |  |  |  |  | \$45,494.00    | \$52,625.12 | \$147,333.81 | \$220,124.85 | \$280,473.89 | \$256,430.79 | \$314,404.10 | \$236,939.47 | \$501,218.47 | \$0.00       | \$2,055,044.50 |
|                          |  |    | Total Monitoring and Sampling Costs                  |  |  |  |  | \$2,055,044.50 |             |              |              |              |              |              |              |              |              |                |

Crow Butte Resources Inc.  
Crow Butte Uranium Project 2007 Surety Estimate  
(Revised September 2006)

| Ground Water Restoration |                        |  |  |  |  |  |  |             |             |             |             |             |             |             |             |              |              |       |
|--------------------------|------------------------|--|--|--|--|--|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|-------|
|                          |                        |  |  |  |  |  |  | Mine Unit 2 | Mine Unit 3 | Mine Unit 4 | Mine Unit 5 | Mine Unit 6 | Mine Unit 7 | Mine Unit 8 | Mine Unit 9 | Mine Unit 10 | Mine Unit 11 | Total |
| VI.                      | Supervisory Labor Cost |  |  |  |  |  |  |             |             |             |             |             |             |             |             |              |              |       |
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Crow Butte Uranium Project 2007 Surety Estimate  
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| Wellfield Reclamation |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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Crow Butte Resources Inc.  
Crow Butte Uranium Project 2007 Surety Estimate  
(Revised September 2006)

| Wellfield Reclamation                                          |  |             |             |             |             |              |             |             |              |             |              |              |        |              |
|----------------------------------------------------------------|--|-------------|-------------|-------------|-------------|--------------|-------------|-------------|--------------|-------------|--------------|--------------|--------|--------------|
|                                                                |  | Mine Unit 1 | Mine Unit 2 | Mine Unit 3 | Mine Unit 4 | Mine Unit 5  | Mine Unit 6 | Mine Unit 7 | Mine Unit 8  | Mine Unit 9 | Mine Unit 10 | Mine Unit 11 | Totals |              |
| II. Trunklines                                                 |  |             |             |             |             |              |             |             |              |             |              |              |        |              |
| A. Removal and Loading                                         |  |             |             |             |             |              |             |             |              |             |              |              |        |              |
| Trunkline Removal Unit Cost (\$/ft of pipe)                    |  | \$1.36      | \$1.36      | \$1.36      | \$1.36      | \$1.36       | \$1.36      | \$1.36      | \$1.36       | \$1.36      | \$1.36       | \$1.36       |        |              |
| Subtotal Trunkline Removal and Loading Costs                   |  | \$7,362.36  | \$3,953.86  | \$4,022.03  | \$10,089.16 | \$24,268.52  | \$16,360.80 | \$8,180.40  | \$27,677.02  | \$18,746.75 | \$5,589.94   | \$7,089.68   |        | \$133,340.52 |
| B. Pipe Shredding                                              |  |             |             |             |             |              |             |             |              |             |              |              |        |              |
| Trunkline Shredding Unit Cost (\$/ft of pipe)                  |  | \$1.36      | \$1.36      | \$1.36      | \$1.36      | \$1.36       | \$1.36      | \$1.36      | \$1.36       | \$1.36      | \$1.36       | \$1.36       |        |              |
| Subtotal Trunkline Shredding Costs                             |  | \$7,362.36  | \$3,953.86  | \$4,022.03  | \$10,089.16 | \$24,268.52  | \$16,360.80 | \$8,180.40  | \$27,677.02  | \$18,746.75 | \$5,589.94   | \$7,089.68   |        | \$133,340.52 |
| C. Equipment Costs                                             |  |             |             |             |             |              |             |             |              |             |              |              |        |              |
| Cat 924G Loader Unit Costs for removal                         |  | \$11,480.40 | \$6,165.40  | \$6,271.70  | \$15,732.40 | \$37,842.80  | \$25,512.00 | \$12,756.00 | \$43,157.80  | \$29,232.50 | \$8,716.60   | \$11,055.20  |        |              |
| Shredder Unit Costs for shredding                              |  | \$2,592.00  | \$1,392.00  | \$1,416.00  | \$3,552.00  | \$8,544.00   | \$5,760.00  | \$2,880.00  | \$9,744.00   | \$6,600.00  | \$1,968.00   | \$2,496.00   |        |              |
| Subtotal Equipment Costs                                       |  | \$14,072.40 | \$7,557.40  | \$7,687.70  | \$19,284.40 | \$46,386.80  | \$31,272.00 | \$15,636.00 | \$52,901.80  | \$35,832.50 | \$10,684.60  | \$13,551.20  |        | \$254,866.80 |
| D. Transport and Disposal Costs (NRC-Licensed Facility)        |  |             |             |             |             |              |             |             |              |             |              |              |        |              |
| Chipped Volume Reduction (6-inch) (R <sup>3</sup> /ft)         |  | 0.0651      | 0.0651      | 0.0651      | 0.0651      | 0.0651       | 0.0651      | 0.0651      | 0.0651       | 0.0651      | 0.0651       | 0.0651       |        |              |
| Chipped Volume Reduction (8-inch) (R <sup>3</sup> /ft)         |  | 0.1103      | 0.1103      | 0.1103      | 0.1103      | 0.1103       | 0.1103      | 0.1103      | 0.1103       | 0.1103      | 0.1103       | 0.1103       |        |              |
| Chipped Volume Reduction (10-inch) (R <sup>3</sup> /ft)        |  | 0.1712      | 0.1712      | 0.1712      | 0.1712      | 0.1712       | 0.1712      | 0.1712      | 0.1712       | 0.1712      | 0.1712       | 0.1712       |        |              |
| Chipped Volume Reduction (12-inch) (R <sup>3</sup> /ft)        |  | 0.2408      | 0.2408      | 0.2408      | 0.2408      | 0.2408       | 0.2408      | 0.2408      | 0.2408       | 0.2408      | 0.2408       | 0.2408       |        |              |
| Chipped Volume per Wellfield (yd <sup>3</sup> )                |  | 20.4        | 9.2         | 19.3        | 39.9        | 140.9        | 97.4        | 48.7        | 164.0        | 111.9       | 26.4         | 40.6         |        |              |
| Volume for Disposal Assuming 25% Void Space (ft <sup>3</sup> ) |  | 26.0        | 12.0        | 24.0        | 50.0        | 176.0        | 122.0       | 61.0        | 205.0        | 140.0       | 33.0         | 51.0         |        | 900.0        |
| Transportation and Disposal Unit Cost (\$/ft <sup>3</sup> )    |  | \$132.50    | \$132.50    | \$132.50    | \$132.50    | \$132.50     | \$132.50    | \$132.50    | \$132.50     | \$132.50    | \$132.50     | \$132.50     |        |              |
| Subtotal Transport and Disposal Costs                          |  | \$3,445.00  | \$1,590.00  | \$3,180.00  | \$6,625.00  | \$23,320.00  | \$16,165.00 | \$8,082.50  | \$27,162.50  | \$18,550.00 | \$4,372.50   | \$6,757.50   |        | \$119,250.00 |
| Total Trunkline Costs                                          |  | \$32,242.12 | \$17,055.12 | \$18,911.76 | \$46,087.72 | \$119,243.84 | \$88,158.60 | \$48,879.30 | \$135,418.34 | \$91,876.00 | \$26,236.98  | \$34,488.86  |        | \$640,797.84 |
| III. Downhole Pipe                                             |  |             |             |             |             |              |             |             |              |             |              |              |        |              |
| A. Removal and Loading                                         |  |             |             |             |             |              |             |             |              |             |              |              |        |              |
| Downhole Piping Removal Unit Cost (\$/ft of pipe)              |  | \$0.068     | \$0.068     | \$0.068     | \$0.068     | \$0.068      | \$0.068     | \$0.068     | \$0.068      | \$0.068     | \$0.068      | \$0.068      |        |              |
| Downhole Hoisting Removal Unit Cost (\$/ft of pipe)            |  | \$0.136     | \$0.136     | \$0.136     | \$0.136     | \$0.136      | \$0.136     | \$0.136     | \$0.136      | \$0.136     | \$0.136      | \$0.136      |        |              |
| Removal of 1-1/4-inch stinger pipe                             |  | \$0.00      | \$3,231.26  | \$3,912.96  | \$2,413.22  | \$0.00       | \$6,217.10  | \$6,646.58  | \$6,135.30   | \$7,907.72  | \$2,999.48   | \$1,499.74   |        |              |
| Removal of downhole production pipe                            |  | \$61.35     | \$1,417.94  | \$1,554.28  | \$2,617.73  | \$2,645.00   | \$5,099.12  | \$5,453.60  | \$4,005.67   | \$3,681.18  | \$1,636.08   | \$818.04     |        |              |
| Removal of downhole hose                                       |  | \$0.00      | \$0.00      | \$0.00      | \$0.00      | \$9,039.34   | \$0.00      | \$0.00      | \$0.00       | \$0.00      | \$0.00       | \$0.00       |        |              |
| Subtotal Downhole Piping Removal and Loading Costs             |  | \$61.35     | \$4,649.40  | \$5,467.44  | \$5,031.15  | \$11,684.54  | \$11,316.42 | \$12,100.38 | \$10,141.17  | \$11,589.10 | \$4,633.76   | \$2,317.98   |        | \$78,994.94  |
| B. Pipe Shredding                                              |  |             |             |             |             |              |             |             |              |             |              |              |        |              |
| Downhole Piping Shredding Unit Cost (\$/ft of pipe)            |  | \$0.061     | \$0.061     | \$0.061     | \$0.061     | \$0.061      | \$0.061     | \$0.061     | \$0.061      | \$0.061     | \$0.061      | \$0.061      |        |              |
| Subtotal Downhole Piping Shredding Costs                       |  | \$34.34     | \$4,132.62  | \$4,859.76  | \$4,471.95  | \$2,351.11   | \$10,058.86 | \$10,755.71 | \$9,014.19   | \$10,301.24 | \$4,120.50   | \$2,060.25   |        | \$62,180.73  |
| C. Equipment Costs                                             |  |             |             |             |             |              |             |             |              |             |              |              |        |              |
| Smel Unit Costs for removal                                    |  | \$50.40     | \$3,819.20  | \$4,491.20  | \$4,132.80  | \$2,172.80   | \$9,296.00  | \$9,940.00  | \$8,330.56   | \$9,520.00  | \$3,808.00   | \$1,904.00   |        |              |
| Shredder Unit Costs for shredding                              |  | \$19.20     | \$1,454.93  | \$1,710.93  | \$1,574.40  | \$827.73     | \$3,541.33  | \$3,786.67  | \$3,173.55   | \$3,626.67  | \$1,450.67   | \$725.33     |        |              |
| Subtotal Equipment Costs                                       |  | \$69.60     | \$5,274.13  | \$6,202.13  | \$5,707.20  | \$3,000.53   | \$12,837.33 | \$13,726.67 | \$11,504.11  | \$13,146.67 | \$5,258.67   | \$2,629.33   |        | \$79,356.37  |

Crow Butte Resources Inc.  
Crow Butte Uranium Project 2007 Surety Estimate  
(Revised September 2006)

| Wellfield Reclamation |  |  |  |  |  |  |  |  |  |  |  |  |  |
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**Crow Butte Resources Inc.**  
**Crow Butte Uranium Project 2007 Surety Estimate**  
**(Revised September 2006)**

[illegible]

| Plant Equipment Decommissioning                                               |  |  |  |  |  |  |  |  |  | Commercial Plant   | R.O. Building |
|-------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--------------------|---------------|
| <b>I. Removal and Loading Costs</b>                                           |  |  |  |  |  |  |  |  |  |                    |               |
| <b>Tankage</b>                                                                |  |  |  |  |  |  |  |  |  |                    |               |
| Number of Contaminated Tanks                                                  |  |  |  |  |  |  |  |  |  | 34                 |               |
| Volume of Contaminated Tank Construction Material (ft <sup>3</sup> )          |  |  |  |  |  |  |  |  |  | 656                |               |
| Number of Chemical Tanks                                                      |  |  |  |  |  |  |  |  |  | 8                  |               |
| Disposal Void Factor                                                          |  |  |  |  |  |  |  |  |  | 1.25               |               |
| <b>A. Labor to Remove and Load Tankage</b>                                    |  |  |  |  |  |  |  |  |  |                    |               |
| Number of Persons                                                             |  |  |  |  |  |  |  |  |  | 2                  |               |
| Tanks/Day                                                                     |  |  |  |  |  |  |  |  |  | 1                  |               |
| Number of Days                                                                |  |  |  |  |  |  |  |  |  | 42                 |               |
| \$/Day/Person                                                                 |  |  |  |  |  |  |  |  |  | \$136              |               |
| <b>Subtotal Removal Labor Costs</b>                                           |  |  |  |  |  |  |  |  |  | <b>\$11,452.56</b> |               |
| <b>B. Labor to Clean Chemical Tankage</b>                                     |  |  |  |  |  |  |  |  |  |                    |               |
| Number of Persons                                                             |  |  |  |  |  |  |  |  |  | 1                  |               |
| Tanks/Day                                                                     |  |  |  |  |  |  |  |  |  | 1                  |               |
| Number of Days                                                                |  |  |  |  |  |  |  |  |  | 8                  |               |
| \$/Day/Person                                                                 |  |  |  |  |  |  |  |  |  | \$136              |               |
| <b>Subtotal Cleaning Labor Costs</b>                                          |  |  |  |  |  |  |  |  |  | <b>\$1,090.72</b>  |               |
| <b>C. Equipment</b>                                                           |  |  |  |  |  |  |  |  |  |                    |               |
| Saws, scaffolding, etc.                                                       |  |  |  |  |  |  |  |  |  | \$6,000            |               |
| <b>Subtotal Equipment Costs</b>                                               |  |  |  |  |  |  |  |  |  | <b>\$6,000</b>     |               |
| <b>Total Equipment Removal and Loading Costs</b>                              |  |  |  |  |  |  |  |  |  | <b>\$18,543.28</b> |               |
| <b>II. Transportation and Disposal Costs (NRC-Licensed Facility)</b>          |  |  |  |  |  |  |  |  |  |                    |               |
| <b>A. Tankage</b>                                                             |  |  |  |  |  |  |  |  |  |                    |               |
| Volume of Tank Construction Material (ft <sup>3</sup> )                       |  |  |  |  |  |  |  |  |  | 656                |               |
| Volume for Disposal Assuming Void Space (yd <sup>3</sup> )                    |  |  |  |  |  |  |  |  |  | 30.4               |               |
| Transportation and Disposal Unit Cost (\$/yd <sup>3</sup> ) (Unpackaged Bulk) |  |  |  |  |  |  |  |  |  | \$132.50           |               |
| <b>Subtotal Tankage Transportation and Disposal Costs</b>                     |  |  |  |  |  |  |  |  |  | <b>\$4,028.00</b>  |               |
| <b>B. Contaminated PVC Pipe</b>                                               |  |  |  |  |  |  |  |  |  |                    |               |
| Volume of Shredded PVC Pipe (ft <sup>3</sup> )                                |  |  |  |  |  |  |  |  |  | 158.4              |               |
| Volume for Disposal Assuming Void Space (yd <sup>3</sup> )                    |  |  |  |  |  |  |  |  |  | 7.3                |               |
| Transportation and Disposal Unit Cost (\$/yd <sup>3</sup> ) (Unpackaged Bulk) |  |  |  |  |  |  |  |  |  | \$132.50           |               |
| <b>Subtotal Contaminated PVC Pipe Transportation and Disposal Costs</b>       |  |  |  |  |  |  |  |  |  | <b>\$967.25</b>    |               |

**Crow Butte Resources, Inc.**  
**Crow Butte Uranium Project 2007 Surety Estimate**  
**(Revised September 2006)**

| Plant Equipment Decommissioning |                                                                               |  |  |  | Commercial Plant    | R.O. Building      |
|---------------------------------|-------------------------------------------------------------------------------|--|--|--|---------------------|--------------------|
| C.                              | Pumps                                                                         |  |  |  |                     |                    |
|                                 | Volume of Process Pumps (yd <sup>3</sup> ) (no void factor used)              |  |  |  | 5.6                 |                    |
|                                 | Transportation and Disposal Unit Cost (\$/yd <sup>3</sup> ) (Unpackaged Bulk) |  |  |  | \$132.50            |                    |
|                                 | <i>Subtotal Pump Transportation and Disposal Costs</i>                        |  |  |  | <i>\$742.00</i>     |                    |
| D.                              | Filters (injection, backwash and yellowcake filters)                          |  |  |  |                     |                    |
|                                 | Volume of Filters (yd <sup>3</sup> ) (no void factor used)                    |  |  |  | 44.4                |                    |
|                                 | Transportation and Disposal Unit Cost (\$/yd <sup>3</sup> ) (Unpackaged Bulk) |  |  |  | \$132.50            |                    |
|                                 | <i>Subtotal Filter Transportation and Disposal Costs</i>                      |  |  |  | <i>\$5,883.00</i>   |                    |
| E.                              | Dryer                                                                         |  |  |  |                     |                    |
|                                 | Dryer Volume (yd <sup>3</sup> ) (no void factor used)                         |  |  |  | 29.6                |                    |
|                                 | Transportation and Disposal Unit Cost (\$/yd <sup>3</sup> ) (Unpackaged Bulk) |  |  |  | \$132.50            |                    |
|                                 | <i>Total Dryer Transportation and Disposal Costs</i>                          |  |  |  | <i>\$3,922.00</i>   |                    |
|                                 | <b>Total Contaminated Equipment Transportation and Disposal Costs</b>         |  |  |  | <b>\$15,542.25</b>  |                    |
| III.                            | Transportation and Disposal (Solid Waste for Landfill Disposal)               |  |  |  |                     |                    |
| A.                              | Cleaned Tankage                                                               |  |  |  |                     |                    |
|                                 | Volume of Tank Construction Material (ft <sup>3</sup> )                       |  |  |  | 154                 |                    |
|                                 | Number of Landfill Trips                                                      |  |  |  | 1                   |                    |
|                                 | Transportation and Disposal Unit Cost (\$/Load)                               |  |  |  | \$370.00            |                    |
|                                 | <i>Subtotal Tankage Transportation and Disposal Costs</i>                     |  |  |  | <i>\$370.00</i>     |                    |
| B.                              | Uncontaminated PVC Pipe                                                       |  |  |  |                     |                    |
|                                 | Volume of Shredded PVC Pipe (ft <sup>3</sup> )                                |  |  |  | 158.4               |                    |
|                                 | Number of Landfill Trips                                                      |  |  |  | 1                   |                    |
|                                 | Transportation and Disposal Unit Cost (\$/Load)                               |  |  |  | \$370.00            |                    |
|                                 | <i>Subtotal PVC Pipe Transportation and Disposal Costs</i>                    |  |  |  | <i>\$370.00</i>     |                    |
|                                 | <b>Total Uncontaminated Equipment Transportation and Disposal Costs</b>       |  |  |  | <b>\$740.00</b>     |                    |
| IV.                             | Supervisory Labor Costs During Plant Decommissioning                          |  |  |  |                     |                    |
|                                 | Estimated Duration (months)                                                   |  |  |  | 6                   |                    |
|                                 | Engineer                                                                      |  |  |  | \$45,345.18         |                    |
|                                 | Radiation Technician                                                          |  |  |  | \$37,636.92         |                    |
|                                 | <b>Total Supervisory Labor Costs</b>                                          |  |  |  | <b>\$82,982.10</b>  |                    |
|                                 | <b>SUBTOTAL EQUIPMENT REMOVAL AND DISPOSAL COSTS PER FACILITY</b>             |  |  |  | <b>\$117,807.63</b> |                    |
|                                 | Building Area (Ft <sup>2</sup> )                                              |  |  |  | 34,000              | 5,000              |
|                                 | Building Equipment Removal and Disposal Cost per Square Foot                  |  |  |  | \$3.46              | \$3.46             |
|                                 | <b>TOTAL EQUIPMENT REMOVAL AND DISPOSAL COSTS</b>                             |  |  |  | <b>\$117,807.63</b> | <b>\$17,300.00</b> |

**Crow Butte Resources, Inc.**  
**Crow Butte Uranium Project 2007 Surety Estimate**  
**(Revised September 2006)**

| Building Demolition |                                                                |                                                            |  |  |  | Commercial Plant | R.O. Building |
|---------------------|----------------------------------------------------------------|------------------------------------------------------------|--|--|--|------------------|---------------|
| I.                  | Decontamination Costs                                          |                                                            |  |  |  |                  |               |
| A.                  | Wall Decontamination                                           |                                                            |  |  |  |                  |               |
|                     |                                                                | Area to be Decontaminated (ft <sup>2</sup> )               |  |  |  | 25,332           |               |
|                     |                                                                | HCl Application Rate (Gallons/ft <sup>2</sup> )            |  |  |  | 1                |               |
|                     |                                                                | HCl Acid Cost                                              |  |  |  | \$0.99           |               |
|                     |                                                                | Subtotal Wall Decontamination Materials Costs              |  |  |  | \$25,100.21      |               |
| B.                  | Concrete Floor Decontamination                                 |                                                            |  |  |  |                  |               |
|                     |                                                                | Area to be Decontaminated (ft <sup>2</sup> )               |  |  |  | 18146            |               |
|                     |                                                                | HCl Application Rate (Gallons/ft <sup>2</sup> )            |  |  |  | 2                |               |
|                     |                                                                | HCl Acid Cost                                              |  |  |  | \$0.99           |               |
|                     |                                                                | Subtotal Floor Decontamination Materials Costs             |  |  |  | \$35,959.93      |               |
| C.                  | Decontamination Labor                                          |                                                            |  |  |  |                  |               |
|                     |                                                                | Labor (man-days)                                           |  |  |  | 60               |               |
|                     |                                                                | Subtotal Decontamination Labor Cost                        |  |  |  | \$8,180          |               |
| D.                  | Decontamination Equipment Costs                                |                                                            |  |  |  |                  |               |
|                     |                                                                | Sprayer pump                                               |  |  |  | \$500            |               |
|                     |                                                                | Recycle pump                                               |  |  |  | \$500            |               |
|                     |                                                                | Sprayer with hose                                          |  |  |  | \$1,000          |               |
|                     |                                                                | Subtotal Decontamination Equipment Costs                   |  |  |  | \$2,000          |               |
| E.                  | Decontamination Waste Disposal (to Ponds)                      |                                                            |  |  |  |                  |               |
|                     |                                                                | Total gallons HCl waste                                    |  |  |  | 61,624           |               |
|                     |                                                                | Pumping costs (\$ HP/30 gpm)                               |  |  |  | \$454            |               |
|                     |                                                                | Subtotal Decontamination Costs                             |  |  |  | \$71,695         |               |
|                     |                                                                | Total Decontamination Costs                                |  |  |  | \$71,695.03      |               |
| II.                 | Demolition Costs                                               |                                                            |  |  |  |                  |               |
|                     | Assumptions (based on costs to move plant from Texas in 1988): |                                                            |  |  |  |                  |               |
|                     |                                                                | Dismantling interior steel, tanks, pumps, etc.             |  |  |  | \$66,600         |               |
|                     |                                                                | Dismantling plant building                                 |  |  |  | \$43,800         |               |
| A.                  | Building Dismantling                                           |                                                            |  |  |  |                  |               |
|                     |                                                                | Dismantle interior components (1988 \$'s escalated by CPI) |  |  |  | \$114,227.73     |               |
|                     |                                                                | Plant building dismantling (1988 \$'s escalated by CPI)    |  |  |  | \$75,122.74      |               |
|                     |                                                                | Subtotal Building Dismantling                              |  |  |  | \$189,350.47     |               |
| B.                  | Concrete Floor Removal                                         |                                                            |  |  |  |                  |               |
|                     |                                                                | Area of direct-dispose concrete floors (ft <sup>2</sup> )  |  |  |  | 5,450            |               |
|                     |                                                                | Removal Rate (\$/ft <sup>2</sup> )                         |  |  |  | \$2.72           |               |
|                     |                                                                | Subtotal Concrete Floor Removal                            |  |  |  | \$14,824.00      |               |
|                     |                                                                | Total Demolition Costs                                     |  |  |  | \$204,174        |               |

**Crow Butte Resources, Inc.**  
**Crow Butte Uranium Project 2007 Surety Estimate**  
**(Revised September 2006)**

| Building Demolition                             |                                          |                                                                               |  |              | Commercial Plant | R.O. Building |
|-------------------------------------------------|------------------------------------------|-------------------------------------------------------------------------------|--|--------------|------------------|---------------|
| III.                                            | Disposal Costs                           |                                                                               |  |              |                  |               |
|                                                 | A. Concrete Floor                        |                                                                               |  |              |                  |               |
|                                                 |                                          | Area of Direct-Dispose Concrete Floor (ft <sup>2</sup> )                      |  | 5,450        |                  |               |
|                                                 |                                          | Average Thickness of Concrete Floor (ft)                                      |  | 0.5          |                  |               |
|                                                 |                                          | Volume of Concrete Floor (ft <sup>3</sup> )                                   |  | 2,725        |                  |               |
|                                                 |                                          | Volume of Concrete Floor (Yd <sup>3</sup> )                                   |  | 101          |                  |               |
|                                                 |                                          | Transportation and Disposal Unit Cost (\$/Yd <sup>3</sup> ) (Unpackaged Bulk) |  | \$132.50     |                  |               |
|                                                 |                                          | Subtotal Concrete Floor Disposal Costs                                        |  | \$13,382.50  |                  |               |
|                                                 |                                          | Total Disposal Costs                                                          |  | \$13,382.50  |                  |               |
| IV                                              | Plant Site Reclamation                   |                                                                               |  |              |                  |               |
|                                                 | A. Plant Site Earthwork                  |                                                                               |  |              |                  |               |
|                                                 |                                          | Material to be Moved (Yd <sup>3</sup> )                                       |  | 20,000       |                  |               |
|                                                 |                                          | D8N Bulldozer Earthwork Rate (Yd <sup>3</sup> /hr)                            |  | 700          |                  |               |
|                                                 |                                          | D8N Hourly Rate                                                               |  | \$155        |                  |               |
|                                                 |                                          | Subtotal Plant Site Earthwork                                                 |  | \$4,426.86   |                  |               |
|                                                 | B. Revegetation                          |                                                                               |  |              |                  |               |
|                                                 |                                          | Area requiring Revegetation (Ac)                                              |  | 4            |                  |               |
|                                                 |                                          | Revegetation Unit Cost (\$/Ac)                                                |  | \$300        |                  |               |
|                                                 |                                          | Subtotal Plant Site Revegetation                                              |  | \$1,200.00   |                  |               |
|                                                 |                                          | Total Plant Site Reclamation Costs                                            |  | \$5,626.86   |                  |               |
| SUBTOTAL BUILDING DEMOLITION AND DISPOSAL COSTS |                                          |                                                                               |  | \$294,878.86 |                  |               |
|                                                 | Building Area (ft <sup>2</sup> )         |                                                                               |  | 34,000       |                  | 5,000         |
|                                                 | Building Demolition Cost per Square Foot |                                                                               |  | \$8.67       |                  | \$8.67        |
| TOTAL BUILDING DEMOLITION AND DISPOSAL COSTS    |                                          |                                                                               |  | \$294,878.86 |                  | \$43,350.00   |



**Crow Butte Resources, Inc.**  
**Crow Butte Uranium Project 2007 Surety Estimate**  
**(Revised September 2006)**

| Evaporation Pond Reclamation |                                      |                                                          |  |  |                    |  |                   |  |  |
|------------------------------|--------------------------------------|----------------------------------------------------------|--|--|--------------------|--|-------------------|--|--|
|                              |                                      |                                                          |  |  | Commercial Ponds   |  | R&D Ponds         |  |  |
| <b>Assumptions/Data:</b>     |                                      |                                                          |  |  |                    |  |                   |  |  |
|                              |                                      | Number of Ponds                                          |  |  | 3                  |  | 2                 |  |  |
|                              |                                      | Area of Ponds (ft <sup>2</sup> )                         |  |  | 250,000            |  | 50,000            |  |  |
|                              |                                      | Thickness of Liner Material (ft)                         |  |  | 0.00833            |  | 0.0030            |  |  |
|                              |                                      | Leak detection piping size (in)                          |  |  | 4                  |  | 3                 |  |  |
|                              |                                      | Leak detection piping length (ft/pond)                   |  |  | 2,100              |  | 600               |  |  |
|                              |                                      | Earthwork Requirements (Yd <sup>3</sup> /pond)           |  |  | 60,000             |  | 30,000            |  |  |
|                              |                                      | Surface Restoration/Revegetation (Acres)                 |  |  | 20                 |  | 10                |  |  |
|                              |                                      | Sludge Production Rate (Yd <sup>3</sup> sludge/gal)      |  |  |                    |  | 0.000000102       |  |  |
|                              |                                      | (1 Yd <sup>3</sup> sludge/9,772,000 gal R&D Phase)       |  |  |                    |  |                   |  |  |
|                              |                                      | Estimated 1991 to 2007 Total Production (gallons)        |  |  | 26,502,276,200     |  |                   |  |  |
|                              |                                      | Liner Removal Rate (ft <sup>2</sup> /man-day)            |  |  | 10,000             |  | 10,000            |  |  |
|                              |                                      | Sludge Removal Rate (Yd <sup>3</sup> /man-day)           |  |  | 8.33               |  | 8.33              |  |  |
| <b>L</b>                     | <b>Pond Liner and Piping Removal</b> |                                                          |  |  |                    |  |                   |  |  |
|                              | <b>A.</b>                            | <b>Pond Liner and Piping Removal Labor</b>               |  |  |                    |  |                   |  |  |
|                              |                                      | Area of Ponds                                            |  |  | 750,000            |  | 100,000           |  |  |
|                              |                                      | Liner Removal Rate (ft <sup>2</sup> /Man-Day)            |  |  | 10,000             |  | 10,000            |  |  |
|                              |                                      | Total Man-Days                                           |  |  | 75                 |  | 10                |  |  |
|                              |                                      | Labor Rate (\$/man-day)                                  |  |  | \$136.34           |  | \$136.34          |  |  |
|                              |                                      | <i>Subtotal Liner and Piping Removal Labor Costs</i>     |  |  | <i>\$10,225.50</i> |  | <i>\$1,363.40</i> |  |  |
|                              | <b>B.</b>                            | <b>Pond Liner and Piping Removal Equipment</b>           |  |  |                    |  |                   |  |  |
|                              |                                      | Total Man-Days Removal Effort                            |  |  | 75                 |  | 10                |  |  |
|                              |                                      | Size of Crew                                             |  |  | 4                  |  | 4                 |  |  |
|                              |                                      | Total Days Removal Effort                                |  |  | 18.75              |  | 2.5               |  |  |
|                              |                                      | Cat 924G Loader Hourly Rate (\$/hr)                      |  |  | \$53.15            |  | \$53.15           |  |  |
|                              |                                      | <i>Subtotal Liner and Piping Removal Equipment Costs</i> |  |  | <i>\$7,972.50</i>  |  | <i>\$1,063.00</i> |  |  |
|                              |                                      | <b>Total Pond Liner and Piping Removal Costs</b>         |  |  | <b>\$18,198.00</b> |  | <b>\$2,426.40</b> |  |  |

**Crow Butte Resources, Inc.**  
**Crow Butte Uranium Project 2007 Surety Estimate**  
**(Revised September 2006)**

| Evaporation Pond Reclamation |  |  |  |  |  |  |  |  |  |
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**(Revised September 2006)**

| Evaporation Pond Reclamation |                                         |  |                                                |  |  |                  |             |  |  |
|------------------------------|-----------------------------------------|--|------------------------------------------------|--|--|------------------|-------------|--|--|
|                              |                                         |  |                                                |  |  | Commercial Ponds | R&D Ponds   |  |  |
| B.                           | Pond Piping Disposal                    |  |                                                |  |  |                  |             |  |  |
|                              |                                         |  | Total Length of Piping                         |  |  | 6,300            | 1,200       |  |  |
|                              |                                         |  | Piping Volume Factor (ft3/ft)                  |  |  | 0.0103           | 0.0069      |  |  |
|                              |                                         |  | Total Volume Pond Piping (ft3)                 |  |  | 65               | 8           |  |  |
|                              |                                         |  | Void Space Factor                              |  |  | 1.25             | 1.25        |  |  |
|                              |                                         |  | Total Disposed Volume (yd3)                    |  |  | 3.0              | 0.4         |  |  |
|                              |                                         |  | Disposal Unit Costs (\$/yd3) (Unpackaged Bulk) |  |  | \$132.50         | \$132.50    |  |  |
|                              | Subtotal Pond Piping Disposal Costs     |  |                                                |  |  | \$397.50         | \$53.00     |  |  |
| C.                           | Pond Sludge Disposal                    |  |                                                |  |  |                  |             |  |  |
|                              |                                         |  | Total Volume Pond Sludge (Yd3)                 |  |  | 2,712            |             |  |  |
|                              |                                         |  | Disposal Unit Costs (\$/yd3) (Soil rate)       |  |  | \$134.00         |             |  |  |
|                              | Subtotal Pond Sludge Disposal Costs     |  |                                                |  |  | \$363,408.00     | \$0.00      |  |  |
|                              | Total Byproduct Material Disposal Costs |  |                                                |  |  | \$402,098.00     | \$1,908.00  |  |  |
| IV                           | Pond Site Reclamation                   |  |                                                |  |  |                  |             |  |  |
| A.                           | Pond Earthwork Requirements             |  |                                                |  |  |                  |             |  |  |
|                              |                                         |  | Earthwork Requirements Yd3)                    |  |  | 180,000          | 60,000      |  |  |
|                              |                                         |  | D8N Bulldozer Earthwork Rate (Yd3/hr)          |  |  | 700              | 700         |  |  |
|                              |                                         |  | Total D8N Hours                                |  |  | 257              | 86          |  |  |
|                              |                                         |  | D8N Hourly Rate                                |  |  | \$154.94         | \$154.94    |  |  |
|                              | Subtotal Pond Earthwork                 |  |                                                |  |  | \$39,819.58      | \$13,324.84 |  |  |
| B.                           | Revegetation                            |  |                                                |  |  |                  |             |  |  |
|                              |                                         |  | Area requiring Revegetation (Ac)               |  |  | 20               | 10          |  |  |
|                              |                                         |  | Revegetation Unit Cost (\$/Ac)                 |  |  | \$300            | \$300       |  |  |
|                              | Subtotal Plant Site Revegetation        |  |                                                |  |  | \$6,000.00       | \$3,000.00  |  |  |
|                              | Total Pond Site Reclamation Costs       |  |                                                |  |  | \$45,819.58      | \$16,324.84 |  |  |

**Crow Butte Resources, Inc.**  
**Crow Butte Uranium Project 2007 Surety Estimate**  
**(Revised September 2006)**

| Evaporation Pond Reclamation                              |  |  |  |  |  |  |  |  |  |                     |                    |
|-----------------------------------------------------------|--|--|--|--|--|--|--|--|--|---------------------|--------------------|
|                                                           |  |  |  |  |  |  |  |  |  | Commercial Ponds    | R&D Ponds          |
| <b>V. Supervisory Labor Costs During Pond Reclamation</b> |  |  |  |  |  |  |  |  |  |                     |                    |
|                                                           |  |  |  |  |  |  |  |  |  | 4                   |                    |
|                                                           |  |  |  |  |  |  |  |  |  | \$7,558             |                    |
|                                                           |  |  |  |  |  |  |  |  |  | \$30,230.12         |                    |
|                                                           |  |  |  |  |  |  |  |  |  | \$6,273             |                    |
|                                                           |  |  |  |  |  |  |  |  |  | \$25,091.28         |                    |
|                                                           |  |  |  |  |  |  |  |  |  | \$55,321.40         | \$0                |
| <b>TOTAL EVAPORATION POND RECLAMATION PER POND</b>        |  |  |  |  |  |  |  |  |  | <b>\$612,230.62</b> | <b>\$20,659.24</b> |
| <b>TOTAL EVAPORATION POND RECLAMATION COSTS</b>           |  |  |  |  |  |  |  |  |  | <b>\$632,889.86</b> |                    |

**Crow Butte Resources, Inc.**  
**Crow Butte Uranium Project 2007 Surety Estimate**  
**(Revised September 2006)**

| <b>Miscellaneous Site Reclamation</b> |                                                                |  |  |                    |
|---------------------------------------|----------------------------------------------------------------|--|--|--------------------|
| <b>I.</b>                             | <b>Access Road Reclamation</b>                                 |  |  |                    |
|                                       | <b>Assumptions</b>                                             |  |  |                    |
|                                       | Road Reclamation production rate (Yd <sup>3</sup> /hr)         |  |  | 200                |
|                                       | Length of Main Access Roads (ft)                               |  |  | 10,900             |
|                                       | Average Main Access Road width (ft)                            |  |  | 25                 |
|                                       | Depth of Main Access Road Gravel Surface (ft)                  |  |  | 1                  |
|                                       | Surface Area of Main Access Road (Ac)                          |  |  | 6.3                |
|                                       | Length of Wellfield Access Roads (ft)                          |  |  | 51,800             |
|                                       | Average Wellfield Access Road width (ft)                       |  |  | 12                 |
|                                       | Depth of Wellfield Access Road Gravel Surface (ft)             |  |  | 0.5                |
|                                       | Surface Area of Wellfield Road (Ac)                            |  |  | 14.3               |
| <b>A.</b>                             | <b>Main Access Road Dirtwork</b>                               |  |  |                    |
|                                       | Main Access Road Gravel Volume (Yd <sup>3</sup> )              |  |  | 10,093             |
|                                       | Total reclamation time (hrs)                                   |  |  | 50                 |
|                                       | D8N Unit Operating Cost (\$/hr)                                |  |  | \$155              |
|                                       | <i>Subtotal Main Access Road Gravel Roadbase Removal Costs</i> |  |  | <i>\$7,747.00</i>  |
| <b>B.</b>                             | <b>Wellfield Road Dirtwork</b>                                 |  |  |                    |
|                                       | Wellfield Road Gravel Volume (Yd <sup>3</sup> )                |  |  | 11,511             |
|                                       | Total reclamation time (hrs)                                   |  |  | 58                 |
|                                       | D8N Unit Operating Cost (\$/hr)                                |  |  | \$155              |
|                                       | <i>Subtotal Wellfield Road Gravel Roadbase Removal Costs</i>   |  |  | <i>\$8,986.52</i>  |
| <b>E.</b>                             | <b>Discing/Seeding</b>                                         |  |  |                    |
|                                       | <b>Assumptions</b>                                             |  |  |                    |
|                                       | Surface Area (acres)                                           |  |  | 20.6               |
|                                       | Discing/Seeding Unit Cost (\$/acre)                            |  |  | \$300              |
|                                       | <i>Subtotal Discing/Seeding Costs</i>                          |  |  | <i>\$6,180.00</i>  |
|                                       | <b>Total Access Road Reclamation Costs</b>                     |  |  | <b>\$22,913.52</b> |

**Crow Butte Resources, Inc.**  
**Crow Butte Uranium Project 2007 Surety Estimate**  
**(Revised September 2006)**

| <b>Miscellaneous Site Reclamation</b> |                                        |                                          |  |                    |
|---------------------------------------|----------------------------------------|------------------------------------------|--|--------------------|
| <b>II.</b>                            | <b>Wastewater Pipeline Reclamation</b> |                                          |  |                    |
|                                       | Assumptions                            |                                          |  |                    |
|                                       | Pipeline Removal Rate (ft./man-day)    |                                          |  | 67                 |
|                                       | Pipeline Shredding Rate (ft./man-day)  |                                          |  | 1,500              |
|                                       | Number of Pond Pipelines               |                                          |  | 2                  |
|                                       | Length of Pond Pipelines (ft)          |                                          |  | 2,000              |
|                                       | Number of RO Building Pipelines        |                                          |  | 4                  |
|                                       | Length of RO Building Pipelines (ft)   |                                          |  | 300                |
|                                       | Average Pipe Size (Sch 40)             |                                          |  | 4                  |
|                                       | A.                                     | Pipeline Removal Costs                   |  |                    |
|                                       |                                        | Length of Pipelines (ft)                 |  | 5,200              |
|                                       |                                        | Removal Rate (ft/man-day)                |  | 67                 |
|                                       |                                        | Removal Labor Rate (\$/man-day)          |  | \$131              |
|                                       |                                        | Cat 924G Loader Use (days)               |  | 78                 |
|                                       |                                        | Cat 924G Loader Cost                     |  | \$33,000.60        |
|                                       |                                        | <i>Subtotal Pipeline Removal Costs</i>   |  | <i>\$43,146.03</i> |
|                                       | B.                                     | Pipeline Shredding Costs                 |  |                    |
|                                       |                                        | Length of Pipelines (ft)                 |  | 5,200              |
|                                       |                                        | Shredding Rate (ft/man-day)              |  | 1,500              |
|                                       |                                        | Shredding Labor Rate (\$/man-day)        |  | \$136              |
|                                       |                                        | Shredder Use (days)                      |  | 3                  |
|                                       |                                        | Shredder Cost                            |  | \$288.00           |
|                                       |                                        | <i>Subtotal Pipeline Shredding Costs</i> |  | <i>\$760.65</i>    |

**Crow Butte Resources, Inc.**  
**Crow Butte Uranium Project 2007 Surety Estimate**  
**(Revised September 2006)**

| Miscellaneous Site Reclamation        |                                                                  |  |  |  |              |
|---------------------------------------|------------------------------------------------------------------|--|--|--|--------------|
| C.                                    | Pipeline Transportation and Disposal (NRC-Licensed Facility)     |  |  |  |              |
|                                       | Pipe Diameter (inches)                                           |  |  |  | 4            |
|                                       | Chipped Volume Reduction (ft³/ft)                                |  |  |  | 0.0103       |
|                                       | Subtotal Volume of Shredded PVC Pipe (yd³)                       |  |  |  | 2.0          |
|                                       | Disposal Void Factor                                             |  |  |  | 1.25         |
|                                       | Final Disposal Volume (yd³)                                      |  |  |  | 2.5          |
|                                       | Transportation and Disposal Unit Cost (\$/yd³) (Unpackaged Bulk) |  |  |  | \$132.50     |
|                                       | Subtotal Pipeline Disposal Costs                                 |  |  |  | \$331.25     |
|                                       | Total Wastewater Pipeline Reclamation Costs                      |  |  |  | \$44,237.93  |
| III.                                  | Electrical Distribution System Removal                           |  |  |  |              |
|                                       | Assumptions                                                      |  |  |  |              |
|                                       | Length of High Voltage Lines                                     |  |  |  | 39,100       |
|                                       | High Voltage Line Removal Rate (\$/ft.)                          |  |  |  | \$0.59       |
|                                       | High Voltage Line Removal Cost (\$/ft.)                          |  |  |  | \$23,069.00  |
|                                       | Substation Removal                                               |  |  |  | \$1,175.00   |
|                                       | Subtotal Electrical Distribution System Removal Costs            |  |  |  | \$24,244.00  |
| IV.                                   | Supervisory Labor Costs During Miscellaneous Reclamation         |  |  |  |              |
|                                       | Estimated Duration (months)                                      |  |  |  | 3            |
|                                       | Engineer Rate (\$/month)                                         |  |  |  | \$7,557.53   |
|                                       | Total Engineer Labor                                             |  |  |  | \$22,672.59  |
|                                       | Radiation Technician Rate (\$/month)                             |  |  |  | \$6,272.82   |
|                                       | Total Radiation Technician Labor                                 |  |  |  | \$18,818.46  |
|                                       | Total Supervisory Labor Costs                                    |  |  |  | \$41,491.05  |
| TOTAL MISCELLANEOUS RECLAMATION COSTS |                                                                  |  |  |  | \$132,886.50 |

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| <b>Deep Disposal Well Reclamation</b>             |                                    |                                                                                  |  |  |  |                    |
|---------------------------------------------------|------------------------------------|----------------------------------------------------------------------------------|--|--|--|--------------------|
| <b>I.</b>                                         | <b>Cost Basis</b>                  |                                                                                  |  |  |  |                    |
|                                                   | <b>A. Plugging and Abandonment</b> |                                                                                  |  |  |  |                    |
|                                                   |                                    | Cost Estimate from March 2004 Permit Re-application for plugging and abandonment |  |  |  | \$59,026           |
|                                                   |                                    | March 2004 CPI                                                                   |  |  |  | 187.4              |
|                                                   |                                    | June 2006 CPI                                                                    |  |  |  | 202.9              |
|                                                   |                                    | <i>Subtotal Escalated 2003 Plugging and Abandonment Costs</i>                    |  |  |  | <i>\$63,908.09</i> |
|                                                   | <b>B. Site Reclamation</b>         |                                                                                  |  |  |  |                    |
|                                                   |                                    | Cost Estimate from March 2004 Permit Re-application for site reclamation         |  |  |  | \$2,433            |
|                                                   |                                    | March 2004 CPI                                                                   |  |  |  | 187.4              |
|                                                   |                                    | June 2006 CPI                                                                    |  |  |  | 202.9              |
|                                                   |                                    | <i>Subtotal Escalated 2003 Reclamation Costs</i>                                 |  |  |  | <i>\$2,634.24</i>  |
| <b>TOTAL DEEP DISPOSAL WELL RECLAMATION COSTS</b> |                                    |                                                                                  |  |  |  | <b>\$66,542.33</b> |



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| <b>I-196 Brule Aquifer Restoration</b> |                                              |  |  |                   |
|----------------------------------------|----------------------------------------------|--|--|-------------------|
| <b>I.</b>                              | <b>Ground Water Sweep Costs</b>              |  |  |                   |
|                                        | Assumptions                                  |  |  |                   |
|                                        | PV's Required from I-196a, I-196j and I-196n |  |  | 3                 |
|                                        | Total Gallons per Pore Volume                |  |  | 337,758           |
|                                        | Total Gallons to Treat                       |  |  | 1,013,274         |
|                                        | Flow Rate (gpm)                              |  |  | 3                 |
|                                        | Pump Power Requirements (kw)                 |  |  | 3                 |
|                                        | Power Cost (\$/kw)                           |  |  | \$0.06            |
|                                        | Pumping Labor (man-day per day)              |  |  | 0.13              |
|                                        | Sampling Labor (man-day per day)             |  |  | 0.071428          |
|                                        | Labor Rate (\$/man-day)                      |  |  | \$136             |
|                                        | Days to complete                             |  |  | 235               |
|                                        | A. Electrical Costs                          |  |  |                   |
|                                        | Cost to pump 3 Pore Volumes                  |  |  | \$999.76          |
|                                        | B. Labor Costs                               |  |  |                   |
|                                        | Labor for pumping 3 Pore Volumes             |  |  | \$4,165.19        |
|                                        | <b>Total Ground Water Sweep Costs</b>        |  |  | <b>\$5,164.95</b> |
| <b>II.</b>                             | <b>Monitoring and Sampling Costs</b>         |  |  |                   |
|                                        | A. Labor Costs for Monitoring                |  |  | \$2,289           |
|                                        | B. Monitoring for I-196i, I-196m, and I-196l |  |  | \$2,289           |
|                                        | <b>Total Monitoring and Sampling Costs</b>   |  |  | <b>\$4,577</b>    |

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| <b>I-196 Brule Aquifer Restoration</b>             |                                                  |  |  |                    |
|----------------------------------------------------|--------------------------------------------------|--|--|--------------------|
| <b>III</b>                                         | <b>Additional Ground Water Sweep</b>             |  |  |                    |
|                                                    | Pump from additional wells and monitor as above  |  |  | <b>\$9,742</b>     |
|                                                    |                                                  |  |  |                    |
|                                                    | Drill 4 additional wells, 50 ft deep at \$26/ft. |  |  | <b>\$5,200</b>     |
|                                                    | <b>Total Additional Ground Water Sweep</b>       |  |  | <b>\$14,942</b>    |
|                                                    |                                                  |  |  |                    |
| <b>IV</b>                                          | <b>Well Abandonment</b>                          |  |  |                    |
|                                                    | Abandon 14 wells at \$194/well                   |  |  | <b>\$2,716</b>     |
|                                                    | <b>Total Well Abandonment</b>                    |  |  | <b>\$2,716</b>     |
|                                                    |                                                  |  |  |                    |
| <b>TOTAL I-196 BRULE AQUIFER RESTORATION COSTS</b> |                                                  |  |  | <b>\$27,400.08</b> |

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| GROUNDWATER RESTORATION                             |                                                |     |   |      |     |   |     |     |   |         |     |    |          |           |            |
|-----------------------------------------------------|------------------------------------------------|-----|---|------|-----|---|-----|-----|---|---------|-----|----|----------|-----------|------------|
| GROUNDWATER SWEEP (GWS) Unit Costs                  |                                                |     |   |      |     |   |     |     |   |         |     |    |          |           |            |
|                                                     |                                                |     |   |      |     |   |     |     |   |         |     |    |          |           |            |
| Assumptions:                                        |                                                |     |   |      |     |   |     |     |   |         |     |    |          |           |            |
| 1.                                                  | All pumps are 5 hp pumping at 32 gpm           |     |   |      |     |   |     |     |   |         |     |    |          |           |            |
| 2.                                                  | Cost of electricity =                          |     |   |      |     |   |     |     |   |         |     |    | \$0.059  | Kw hr     |            |
| 3.                                                  | Horsepower to kilowatt conversion =            |     |   |      |     |   |     |     |   |         |     |    | 0.746    | Kw/HP     |            |
| 4.                                                  | Operator labor costs =                         |     |   |      |     |   |     |     |   |         |     |    | \$136.34 | man-day   |            |
| 5                                                   | Labor costs are based on 36 pumps at 1,150 gpm |     |   |      |     |   |     |     |   |         |     |    |          |           |            |
|                                                     |                                                |     |   |      |     |   |     |     |   |         |     |    |          |           |            |
| Wellfield Pumping Electrical Costs per 1000 Gallons |                                                |     |   |      |     |   |     |     |   |         |     |    |          |           |            |
|                                                     | 1000                                           | gal | X | 5    | hp  | X | 1   | hr  | X | 0.746   | kwh | X  | \$ 0.06  |           |            |
|                                                     |                                                |     |   | 32   | gpm |   | 60  | min |   | hp      |     |    | kwh      | = \$      | 0.115      |
|                                                     |                                                |     |   |      |     |   |     |     |   |         |     |    |          |           |            |
| Wellfield Pumping Labor Costs per 1000 Gallons      |                                                |     |   |      |     |   |     |     |   |         |     |    |          |           |            |
|                                                     | 1000                                           | gal | X | 1    | min | X | 8   | hr  | X | \$136   |     | X  | 2        | operators | = \$       |
|                                                     |                                                |     |   | 1150 | gal |   | 480 | min |   | man-day |     |    |          |           | \$0.494    |
|                                                     |                                                |     |   |      |     |   |     |     |   |         |     |    |          |           |            |
| Groundwater Sweep Production Rate                   |                                                |     |   |      |     |   |     |     |   |         |     |    |          |           |            |
|                                                     | 1150                                           | gal | X | 60   | min | X | 24  | hr  | X | 365     | day | X  | 1        | year      | =          |
|                                                     |                                                | min |   | hr   | gal |   | day | day |   | year    |     | 12 | month    |           | 50,370,000 |
|                                                     |                                                |     |   |      |     |   |     |     |   |         |     |    |          |           | gallons    |
|                                                     |                                                |     |   |      |     |   |     |     |   |         |     |    |          |           | month      |
| TOTAL GWS COSTS PER 1000 GALLONS                    |                                                |     |   |      |     |   |     |     |   |         |     |    | = \$     | 0.609     |            |
|                                                     |                                                |     |   |      |     |   |     |     |   |         |     |    |          |           |            |

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| Groundwater Reverse Osmosis (RO) Treatment Unit Costs                   |   |                          |   |                 |      |           |          |             |      |             |          |  |
|-------------------------------------------------------------------------|---|--------------------------|---|-----------------|------|-----------|----------|-------------|------|-------------|----------|--|
| Assumptions:                                                            |   |                          |   |                 |      |           |          |             |      |             |          |  |
| 1. All pumps are 5 hp pumping at 32 gpm                                 |   |                          |   |                 |      |           |          |             |      |             |          |  |
| 2. Cost of electricity = \$0.059 Kw hr                                  |   |                          |   |                 |      |           |          |             |      |             |          |  |
| 3. Horsepower to kilowatt conversion = 0.746 Kw/HP                      |   |                          |   |                 |      |           |          |             |      |             |          |  |
| 4. Operator labor costs = \$136.34 man-day                              |   |                          |   |                 |      |           |          |             |      |             |          |  |
| 5. RO System horsepower requirements for 400 gpm rated flow based upon: |   |                          |   |                 |      |           |          |             |      |             |          |  |
| RO Unit Pump 164 hp                                                     |   |                          |   |                 |      |           |          |             |      |             |          |  |
| Permeate/Injection pump 40 hp                                           |   |                          |   |                 |      |           |          |             |      |             |          |  |
| Waste pump 8 hp                                                         |   |                          |   |                 |      |           |          |             |      |             |          |  |
| TOTAL: 212 hp                                                           |   |                          |   |                 |      |           |          |             |      |             |          |  |
| 6. Chemical costs:                                                      |   |                          |   |                 |      |           |          |             |      |             |          |  |
| Reductant = \$0.375 lb                                                  |   |                          |   |                 |      |           |          |             |      |             |          |  |
| Antiscalant = \$15.80 gal                                               |   |                          |   |                 |      |           |          |             |      |             |          |  |
| Wellfield Pumping Electrical Costs per 1000 Gallons                     |   |                          |   |                 |      |           |          |             |      |             |          |  |
| 1000 gal                                                                | X | 5 hp                     | X | 1 hr            | X    | 0.746 kwh | X        | \$0.06      | = \$ | 0.115008333 | per Kgal |  |
|                                                                         |   | 32 gpm                   |   | 60 min          |      | hp        |          | kwh         |      |             |          |  |
| Reverse Osmosis Electrical Costs per 1000 Gallons                       |   |                          |   |                 |      |           |          |             |      |             |          |  |
| 1000 gal                                                                | X | 212 hp                   | X | 1 hr            | X    | 0.746 kwh | X        | \$0.06      | = \$ | 0.390108267 | per Kgal |  |
|                                                                         |   | 400 gpm                  |   | 60 min          |      | hp        |          | kwh         |      |             |          |  |
| Reverse Osmosis Labor Costs per 1000 Gallons                            |   |                          |   |                 |      |           |          |             |      |             |          |  |
| 1000 gal                                                                | X | 1 min                    | X | 1 man-day       | X    | \$136     | X        | 2 operators | = \$ | \$1.4202    | per Kgal |  |
|                                                                         |   | 400 gal                  |   | 480 min         |      | man-day   |          |             |      |             |          |  |
| Treatment chemical costs per 1000 Gallons                               |   |                          |   |                 |      |           |          |             |      |             |          |  |
| Antiscalant:                                                            |   |                          |   |                 |      |           |          |             |      |             |          |  |
| 1000 gal                                                                | X | 8.33E-06 gal antiscalant | X | \$15.80         | = \$ | \$0.13    | per Kgal |             |      |             |          |  |
|                                                                         |   | 1 gal                    |   | gal antiscalant |      |           |          |             |      |             |          |  |
| Reductant:                                                              |   |                          |   |                 |      |           |          |             |      |             |          |  |
| 1000 gal                                                                | X | 5.60E-04 lbs reductant   | X | \$0.375         | = \$ | \$0.21    | per Kgal |             |      |             |          |  |
|                                                                         |   | 1 gal                    |   | lb reductant    |      |           |          |             |      |             |          |  |
| Reverse Osmosis Production Rate                                         |   |                          |   |                 |      |           |          |             |      |             |          |  |
| 400 gal                                                                 | X | 60 min                   | X | 24 hr           | X    | 365 day   | X        | 1 year      | =    | 17,520,000  | gallons  |  |
|                                                                         |   | min                      |   | day             |      | year      |          | 12 month    |      | month       |          |  |
| TOTAL RO COSTS PER 1000 GALLONS = \$ 2.27                               |   |                          |   |                 |      |           |          |             |      |             |          |  |

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| Groundwater Recirculation Unit Costs                         |                                                                     |                |                        |   |              |   |           |   |        |           |  |              |          |
|--------------------------------------------------------------|---------------------------------------------------------------------|----------------|------------------------|---|--------------|---|-----------|---|--------|-----------|--|--------------|----------|
| <b>Assumptions:</b>                                          |                                                                     |                |                        |   |              |   |           |   |        |           |  |              |          |
| 1.                                                           | All pumps are 5 hp pumping at 32 gpm                                |                |                        |   |              |   |           |   |        |           |  |              |          |
| 2.                                                           | Cost of electricity =                                               |                |                        |   |              |   |           |   |        |           |  | \$0.059      | Kw hr    |
| 3.                                                           | Horsepower to kilowatt conversion =                                 |                |                        |   |              |   |           |   |        |           |  | 0.746        | Kw/HP    |
| 4.                                                           | Operator labor costs =                                              |                |                        |   |              |   |           |   |        |           |  | \$136.34     | man-day  |
| 5.                                                           | System horsepower requirements for 1,150 gpm rated flow based upon: |                |                        |   |              |   |           |   |        |           |  |              |          |
|                                                              |                                                                     | injection pump |                        |   |              |   |           |   |        |           |  | 30 hp        |          |
| 6.                                                           | Chemical costs:                                                     |                |                        |   |              |   |           |   |        |           |  |              |          |
|                                                              |                                                                     | Reductant =    |                        |   |              |   |           |   |        |           |  | \$0.375      | lb       |
| <b>Wellfield Pumping Electrical Costs per 1000 Gallons</b>   |                                                                     |                |                        |   |              |   |           |   |        |           |  |              |          |
|                                                              | 1000 gal                                                            | X              | 5 hp                   | X | 1 hr         | X | 0.746 kwh | X | \$0.06 |           |  | = \$ 0.115   | per Kgal |
|                                                              |                                                                     |                | 32 gpm                 |   | 60 min       |   | hp        |   | kwh    |           |  |              |          |
| <b>Wellfield Injection Electrical Costs per 1000 Gallons</b> |                                                                     |                |                        |   |              |   |           |   |        |           |  |              |          |
|                                                              | 1000 gal                                                            | X              | 30 hp                  | X | 1 hr         | X | 0.746 kwh | X | \$0.06 |           |  | = \$ 0.019   | per Kgal |
|                                                              |                                                                     |                | 1150 gpm               |   | 60 min       |   | hp        |   | kwh    |           |  |              |          |
| <b>Recirculation Labor Costs per 1000 Gallons</b>            |                                                                     |                |                        |   |              |   |           |   |        |           |  |              |          |
|                                                              | 1000 gal                                                            | X              | 1 min                  | X | 1 man-day    | X | \$136     | X | 2      | operators |  | = \$ 0.494   | per Kgal |
|                                                              |                                                                     |                | 1150 gal               |   | 480 min      |   | man-day   |   |        |           |  |              |          |
| <b>Treatment chemical costs per 1000 Gallons</b>             |                                                                     |                |                        |   |              |   |           |   |        |           |  |              |          |
|                                                              | Reductant:                                                          |                |                        |   |              |   |           |   |        |           |  |              |          |
|                                                              | 1000 gal                                                            | X              | 5.60E-04 lbs reductant | X | \$0.375      |   |           |   |        |           |  | = \$ 0.210   | per Kgal |
|                                                              |                                                                     |                | 1 gal                  |   | lb reductant |   |           |   |        |           |  |              |          |
| <b>Recirculation Production Rate</b>                         |                                                                     |                |                        |   |              |   |           |   |        |           |  |              |          |
|                                                              | 1150 gal                                                            | X              | 60 min                 | X | 24 hr        | X | 365 day   | X | 1      | year      |  | = 50,370,000 | gallons  |
|                                                              |                                                                     |                | hr gal                 |   | day          |   | year      |   | 12     | month     |  |              | month    |
| <b>TOTAL RECIRCULATION COSTS PER 1000 GALLONS</b>            |                                                                     |                |                        |   |              |   |           |   |        |           |  | = \$ 0.838   |          |

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| WELL ABANDONMENT Unit Costs                                                   |  |  |  |  |  |  |  |  |  |
|-------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|
| Assumptions:                                                                  |  |  |  |  |  |  |  |  |  |
| 1 Use backhoe for 0.25 hr/well to dig, cut off, and cap well.                 |  |  |  |  |  |  |  |  |  |
| 2 Drill rig used 2.5 hrs to plug well.                                        |  |  |  |  |  |  |  |  |  |
| 3 Labor for installing chips, etc. will require 2 workers at 0.5 hrs per well |  |  |  |  |  |  |  |  |  |
| Well Abandonment Costs                                                        |  |  |  |  |  |  |  |  |  |
| Cost per ft (based on 700 ft wells)                                           |  |  |  |  |  |  |  |  |  |
| Cat 416 Backhoe                                                               |  |  |  |  |  |  |  |  |  |
| 0.25 hours X \$ 41.82 per hour =\$ 10.46 \$0.0149                             |  |  |  |  |  |  |  |  |  |
| Drill rig                                                                     |  |  |  |  |  |  |  |  |  |
| 2.5 hours X \$ 110.00 per hour =\$ 275.00 \$0.3929                            |  |  |  |  |  |  |  |  |  |
| Well Cap                                                                      |  |  |  |  |  |  |  |  |  |
| 1 each X \$ 8.14 each =\$ 8.14 \$0.0116                                       |  |  |  |  |  |  |  |  |  |
| Materials per foot of well (Variable Cost)                                    |  |  |  |  |  |  |  |  |  |
| Cement 0.0714 lbs/ft X \$ 0.06519 per pound =\$ \$0.00465                     |  |  |  |  |  |  |  |  |  |
| Bentonite Chips 0.007 tubes/ft X \$ 3.72351 per tube =\$ \$0.026              |  |  |  |  |  |  |  |  |  |
| Plug Gel 0.0086 sacks/ft X \$ 6.57 per sack =\$ \$0.0565                      |  |  |  |  |  |  |  |  |  |
| Total Estimated Cost per Foot: \$0.5067                                       |  |  |  |  |  |  |  |  |  |

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Master Cost Basis

Mine Unit Data

|                                           | Mine Unit 1 | Mine Unit 2 | Mine Unit 3 | Mine Unit 4 | Mine Unit 5 | Mine Unit 6 | Mine Unit 7 | Mine Unit 8 | Mine Unit 9 | Mine Unit 10 | Mine Unit 11 |
|-------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|
| Total number of production wells          | 3           | 52          | 57          | 96          | 187         | 187         | 180         | 248         | 192         | 210          | 90           |
| Total number of injection wells           | 0           | 79          | 96          | 169         | 221         | 309         | 325         | 412         | 325         | 350          | 135          |
| Total number of shallow monitor wells     | 0           | 3           | 3           | 11          | 25          | 28          | 25          | 30          | 20          | 32           | 25           |
| Total number of perimeter monitor wells   | 11          | 10          | 10          | 18          | 27          | 32          | 16          | 20          | 20          | 30           | 25           |
| Total number of restoration wells         | 10          | 12          | 18          | 43          | 33          | 33          | 46          | 23          | 13          | 29           | 28           |
| Wellfield Area (ft <sup>2</sup> )         | 403,712     | 509,600     | 586,188     | 1,033,440   | 1,385,181   | 1,567,768   | 1,904,560   | 2,548,000   | 2,200,000   | 2,613,600    | 1,742,400    |
| Wellfield Area (acres)                    | 9.27        | 11.70       | 13.46       | 23.72       | 31.80       | 35.99       | 43.72       | 58.49       | 50.51       | 60.00        | 40.00        |
| Affected Ore Zone Area (ft <sup>2</sup> ) | 403,712     | 509,600     | 586,188     | 1,033,440   | 1,385,181   | 1,567,768   | 1,904,560   | 2,548,000   | 2,200,000   | 2,613,600    | 1,742,400    |
| Avg. Completed Thickness                  | 19.6        | 16.3        | 12.5        | 12.9        | 14.5        | 15.4        | 12.6        | 15          | 17          | 20           | 25           |
| Porosity                                  | 0.29        | 0.29        | 0.29        | 0.29        | 0.29        | 0.29        | 0.29        | 0.29        | 0.29        | 0.29         | 0.29         |
| Affected Volume (ft <sup>3</sup> )        | 7,912,755   | 8,306,480   | 7,327,350   | 13,391,376  | 20,085,125  | 24,143,627  | 23,997,456  | 38,220,000  | 37,400,000  | 52,272,000   | 43,560,000   |
| Kgallons per Pore Volume                  | 17,164      | 18,018      | 15,894      | 28,918      | 43,569      | 52,372      | 52,055      | 82,907      | 81,128      | 113,388      | 94,490       |
| Number of Patterns in Unit(s)             |             |             |             |             |             |             |             |             |             |              |              |
| Current                                   | 38          | 52          | 57          | 96          | 187         | 187         | 180         | 248         | 192         | 180          | 10           |
| Estimated next report                     | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 30           | 80           |
| Total Estimated                           | 38          | 52          | 57          | 96          | 187         | 187         | 180         | 248         | 192         | 210          | 90           |
| Number of Wells in Unit(s)                |             |             |             |             |             |             |             |             |             |              |              |
| Production Wells                          |             |             |             |             |             |             |             |             |             |              |              |
| Current                                   | 3           | 52          | 57          | 96          | 187         | 187         | 180         | 248         | 192         | 180          | 10           |
| Estimated next report                     | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 30           | 80           |
| Total Estimated                           | 3           | 52          | 57          | 96          | 187         | 187         | 180         | 248         | 192         | 210          | 90           |
| Injection Wells                           |             |             |             |             |             |             |             |             |             |              |              |
| Current                                   | 0           | 79          | 96          | 169         | 221         | 309         | 325         | 412         | 325         | 300          | 10           |
| Estimated next report                     | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 50           | 125          |
| Total Estimated                           | 0           | 79          | 96          | 169         | 221         | 309         | 325         | 412         | 325         | 350          | 135          |
| Shallow Monitor Wells                     |             |             |             |             |             |             |             |             |             |              |              |
| Current                                   | 0           | 3           | 3           | 11          | 25          | 28          | 25          | 30          | 20          | 32           | 2            |
| Estimated next report                     | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0            | 23           |
| Total Estimated                           | 0           | 3           | 3           | 11          | 25          | 28          | 25          | 30          | 20          | 32           | 25           |
| Perimeter Monitor Wells                   |             |             |             |             |             |             |             |             |             |              |              |
| Current                                   | 11          | 10          | 10          | 18          | 27          | 32          | 16          | 25          | 20          | 30           | 0            |
| Estimated next report                     | 0           | 0           | 0           | 0           | 0           | 0           | 0           | -5          | 0           | 0            | 25           |
| Total Estimated                           | 11          | 10          | 10          | 18          | 27          | 32          | 16          | 20          | 20          | 30           | 25           |
| Number of Wells per Wellfield             | 14          | 144         | 166         | 294         | 460         | 556         | 546         | 710         | 557         | 622          | 275          |
| Total Number of Wells                     | 4344        |             |             |             |             |             |             |             |             |              |              |
| Average Well Depth (ft) - Deep Wells      | 665         | 631         | 774         | 698         | 675         | 515         | 762         | 500         | 770         | 480          | 810          |
| Average Well Depth (ft) - Shallow Wells   | 200         | 200         | 200         | 200         | 200         | 200         | 200         | 200         | 200         | 150          | 350          |

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| Electrical Costs                                              |                          |                                    |          |
|---------------------------------------------------------------|--------------------------|------------------------------------|----------|
| Power cost (adj for current actual cost)                      | 2006 Rate<br>\$0.058     | 2007 Est Rate<br>\$0.059           | kw/Hr    |
| Kilowatt to Horsepower                                        | 0.746                    | 0.746                              | Kw/HP    |
| Horsepower per gallon per minute                              | 0.167                    | 0.167                              | HP/gpm   |
| Labor Rates                                                   |                          |                                    |          |
| Operator Labor Cost                                           | 2006 Rate<br>\$130.72    | 2007 Est Rate (CPI)<br>\$136.34    | day      |
| Engineer Cost                                                 | \$7,245.95               | \$7,557.53                         | month    |
| Radiation Technician Costs                                    | \$6,014.21               | \$6,272.82                         | month    |
| Chemical Costs                                                |                          |                                    |          |
| Antiscalant for RO (adj for current actual cost)              | 2006 Rate<br>\$15.15     | 2007 Est Rate<br>\$15.80           | gal      |
| Reductant (adj for current actual cost)                       | \$0.36                   | \$0.38                             | lb       |
| Cement (adj for current actual cost)                          | \$0.06                   | \$0.07                             | pound    |
| Bentonite Tubes (adj for current actual cost)                 | \$3.57                   | \$3.72                             | tube     |
| Salt (adj for current actual cost)                            | \$80.00                  | \$83.44                            | ton      |
| Plug Gel (adj for current actual cost)                        | \$6.30                   | \$6.57                             | sack     |
| Well Cap (adj for current actual cost)                        | \$7.80                   | \$8.14                             | each     |
| Hydrochloric Acid (adj for current actual cost)               | \$0.95                   | \$0.99                             | gallon   |
| Analytical Costs                                              |                          |                                    |          |
| Guideline 8 (contract lab adjusted for current contract cost) | \$200.00                 | \$200.00                           | analysis |
| 6 parameter (in-house) Est Rate (CPI)                         | \$49.73                  | \$51.87                            | analysis |
| Other (radon, bio, etc.) Est Rate (CPI)                       | \$871.42                 | \$908.89                           | month    |
| Spare Parts                                                   |                          |                                    |          |
| Restoration spare parts estimate                              | 2006 Rate<br>\$18,329.57 | 2007 Est Rate (CPI)<br>\$19,117.74 | year     |

| CPI Escalators (CPI-U, U.S. City Average)   |       |
|---------------------------------------------|-------|
| 1988 CPI (average)                          | 118.3 |
| March 2004 CPI (deep<br>well estimate)      | 187.4 |
| 2005 CPI (June 2005 used<br>in last update) | 194.5 |
| Current CPI (June 2006)                     | 202.9 |
| 2007 Escalation Factor                      | 1.043 |



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| Equipment Costs                                                                                                 |                                             |                                |                                         |                               |                                |                      |
|-----------------------------------------------------------------------------------------------------------------|---------------------------------------------|--------------------------------|-----------------------------------------|-------------------------------|--------------------------------|----------------------|
| Equipment                                                                                                       | <u>Base<br/>Rental<br/>Rate<br/>(\$/hr)</u> | <u>Labor Costs<br/>(\$/hr)</u> | <u>Repair Reserve<br/>Costs (\$/hr)</u> | <u>Fuel Costs<br/>(\$/hr)</u> | <u>Mob &amp; Demob (\$/hr)</u> | <u>Total (\$/hr)</u> |
| Cat 924G Loader                                                                                                 | \$24.50                                     | \$16.34                        | \$3.00                                  | \$9.31                        | inc.                           | \$53.15              |
| Cat 416 Backhoe                                                                                                 | \$15.00                                     | \$16.34                        | \$2.50                                  | \$7.98                        | inc.                           | \$41.82              |
| Shredder                                                                                                        | \$12.00                                     |                                |                                         | inc.                          | inc.                           | \$12.00              |
| Cat D6N Bulldozer                                                                                               | \$100.00                                    | \$16.34                        | \$12.00                                 | \$26.60                       | inc.                           | \$154.94             |
| Pulling Unit                                                                                                    | \$42.00 inc                                 | inc                            |                                         | inc                           | inc                            | \$42.00              |
| Mixing Unit                                                                                                     | \$12.00                                     |                                |                                         | inc                           | inc                            | \$12.00              |
| Drill Rig                                                                                                       | \$110.00 inc                                | inc                            |                                         | inc                           | inc                            | \$110.00             |
| Basis:                                                                                                          |                                             |                                |                                         |                               |                                |                      |
| Cat 924G, 416 and D6N rental rates from Nebraska Machinery (Aug '06); others estimated.                         |                                             |                                |                                         |                               |                                |                      |
| Repair Reserve costs based on from Nebraska Machinery (Aug '06).                                                |                                             |                                |                                         |                               |                                |                      |
| Current diesel usage from from Nebraska Machinery (Aug '06), with current (Sep 1, '06) costs for off-road fuel: |                                             |                                |                                         | \$2.660                       | gallon                         |                      |
| Labor rate based on current operator labor rate                                                                 |                                             |                                |                                         |                               |                                |                      |

| Pipe Volumes                |                                 |                      |                                                |
|-----------------------------|---------------------------------|----------------------|------------------------------------------------|
| <u>Nominal Pipe Size</u>    | <u>Wall Thickness<br/>(in.)</u> | <u>Pipe OD (in.)</u> | <u>Volume per<br/>foot (ft<sup>3</sup>/ft)</u> |
| 3/8-inch O2 hose            |                                 | 0.37500              | 0.03130                                        |
| 2-inch Sch. 40 downhole     | 0.15400                         | 2.37500              | 0.00740                                        |
| 1-1/4-inch Sch. 40 stinger  | 0.14000                         | 1.66000              | 0.00440                                        |
| 2-inch SDR 13.5 inj & prod. | 0.14815                         | 2.29630              | 0.00690                                        |
| 4-inch SDR 35               | 0.11430                         | 4.22860              | 0.01030                                        |
| 6-inch Sch. 40 process pipe | 0.28000                         | 6.56000              | 0.03840                                        |
| 6-inch Trunkline            | 0.49100                         | 6.56600              | 0.06510                                        |
| 8-inch Trunkline            | 0.63900                         | 8.54800              | 0.11030                                        |
| 10-inch Trunkline           | 0.79600                         | 10.65400             | 0.17120                                        |
| 12-inch Trunkline           | 0.94400                         | 12.63700             | 0.24080                                        |

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| Pipe Removal and Shredding Costs         |                                      |                                             |                         |                               |
|------------------------------------------|--------------------------------------|---------------------------------------------|-------------------------|-------------------------------|
| <i>Activity</i>                          | <i>Removal Rate<br/>(hr/man-day)</i> | <i>Shredding<br/>Rate (hr/man-<br/>day)</i> | <i>Labor Rate (day)</i> | <i>Activity Cost per foot</i> |
| 2-inch SDR 13.5 inj & prod. Removal      | 225                                  |                                             | \$136                   | \$0.606                       |
| 2-inch SDR 13.5 inj & prod. Shredding    |                                      | 1920                                        | \$136                   | \$0.071                       |
| Trunkline Removal                        | 100                                  |                                             | \$136                   | \$1.363                       |
| Trunkline Shredding                      |                                      | 100                                         | \$136                   | \$1.363                       |
| Downhole Pipe Removal                    | 2000                                 |                                             | \$136                   | \$0.068                       |
| Downhole Pipe Shredding                  |                                      | 2250                                        | \$136                   | \$0.061                       |
| Downhole Hose Removal                    | 1000                                 |                                             | \$136                   | \$0.136                       |
| Waste and RO Building Pipeline Removal   | 67                                   |                                             | \$136                   | \$2.035                       |
| Waste and RO Building Pipeline Shredding |                                      | 1500                                        | \$136                   | \$0.091                       |

| Waste Disposal Costs                                       |            |          |                                                         |                           |                       |          |                                                  |          |
|------------------------------------------------------------|------------|----------|---------------------------------------------------------|---------------------------|-----------------------|----------|--------------------------------------------------|----------|
| <i>Waste Form</i>                                          | <i>Fee</i> |          | <i>Density<br/>Correction<br/>Factor<br/>(Tons/Yd3)</i> | <i>Fee per Cubic Yard</i> | <i>Transport Cost</i> |          | <i>Total<br/>Transportation<br/>and Disposal</i> |          |
| Soil, Bulk Byproduct Material                              | \$100.00   | per Ton  | 0.54                                                    | \$54.00                   | \$80.00               | per Yd3  | \$134.00                                         | per Yd3  |
| Unpackaged Bulk Byproduct Material (e.g., pipe, equipment) | \$125.00   | per Ton  | 0.42                                                    | \$52.50                   | \$80.00               | per Yd3  | \$132.50                                         | per Yd3  |
| Solid Waste (landfill)                                     | \$0.00925  | per Lb   |                                                         |                           | Incl.                 | per Lb   | \$0.00925                                        | per Lb   |
| Solid Waste (landfill)                                     | \$370.00   | per Load |                                                         |                           | Incl.                 | per Load | \$370.00                                         | per Load |
| Void Factor (for disposal)                                 | 1.25       |          |                                                         |                           |                       |          |                                                  |          |

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| Plant Dismantling                  |               |              |                                      |              |                                                               |                  |
|------------------------------------|---------------|--------------|--------------------------------------|--------------|---------------------------------------------------------------|------------------|
| <i>Plant Components:</i>           | <i>Number</i> | <i>Units</i> | <i>Estimated<br/>Disposal Volume</i> | <i>Units</i> | <i>Activity</i>                                               | <i>1988 Cost</i> |
| Contaminated Tanks                 | 34            | each         | 19.3                                 | Ft3 each     | Dismantle interior<br>steel, tanks, piping<br>and electrical: | \$ \$66,600      |
| Uncontaminated Tanks               | 8             | each         | 19.3                                 | Ft3 each     | Dismantle Plant                                               | \$ \$43,800      |
| Pumps                              | 30            | each         | 5                                    | Ft3 each     | Building                                                      |                  |
| Downhole Pumps                     | 608           | each         | 0.5                                  | Ft3 each     | Concrete floor<br>removal rate                                | \$/R2 \$2.72     |
| Contaminated Piping                | 4125          | feet         | See estimate by piping size and      |              |                                                               |                  |
| Uncontaminated Piping              | 4125          | feet         | material                             |              |                                                               |                  |
| Filters                            | 12            | each         | 100                                  | Ft3 each     |                                                               |                  |
| Dryer                              | 2             | each         | 400                                  | Ft3 each     |                                                               |                  |
| Average PVC Pipe Diameter (inches) | 6             |              |                                      |              |                                                               |                  |

  

| Plant Decontamination            |       |    |                                             |  |   |        |
|----------------------------------|-------|----|---------------------------------------------|--|---|--------|
| Direct Dispose Plant Floor Area  | 5450  | R2 | Decon Solution (HCl) Floor Application Rate |  | 2 | gal/R2 |
| Uncontaminated Plant Floor Area  | 7000  | R2 |                                             |  |   |        |
| Decontaminated Plant Floor Area* | 18146 | R2 |                                             |  |   |        |
| Average concrete thickness       | 0.5   | ft |                                             |  |   |        |
| Plant Wall Area                  | 25332 | R2 | Decon Solution (HCl) Wall Application Rate  |  | 1 | gal/R2 |