

April 22, 2013

Mr. Ron C. Linton, Project Manager
U.S. Nuclear Regulatory Commission
11545 Rockville Pike
Mail Stop T8F5
Rockville, MD 20852

RE: URANIUM ONE, USA, INC., WILLOW CREEK PROJECT, CAMPBELL AND JOHNSON
COUNTIES, WYOMING, SOURCE MATERIALS LICENSE SUA-1341, REQUEST FOR
ADDITIONAL INFORMATION, ANNUAL SURETY ESTIMATE ADJUSTMENT
(TAC NO. J00691)

Dear Mr. Linton:

Uranium One (U1) has reviewed the U.S. Nuclear Regulatory Commission (NRC) Request for Additional Information (RAI), dated March 21, 2013, concerning the Willow Creek Project Annual Surety Estimate Adjustment. The annual surety update was provided to the NRC in September 2012.

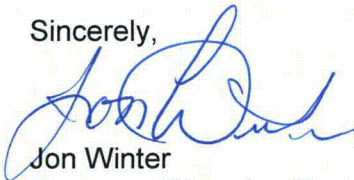
Uranium One received Wyoming Department of Environmental Quality – Land Quality Division (WDEQ-LQD) comments regarding the annual surety update in November 2012 and responded to comments related to the surety update on January 7, 2013. The changes to the surety update in response to WDEQ comments resulted in a total surety estimate of \$21,073,250. Due to the differences in calculating miscellaneous costs and contingencies between the WDEQ and NRC (see Surety Table 1), the surety estimate for the WDEQ is higher than that of the NRC. Uranium One conservatively uses the highest estimate to establish the surety letter of credit (LOC). The surety revision was formally approved by the WDEQ-LQD by letter dated January 18, 2013 and an adjusted LOC No. BMCH278567OS in the amount of \$21,075,000 was accepted by the WDEQ-LQD on February 4, 2013.

In light of the fact that the 2012-2013 surety estimate has been approved by WDEQ-LQD, an increased LOC is already in place, and that the next surety update is less than four months away (August 18, 2013), Uranium One requests that the NRC approve this surety in the amount of \$21,075,000. As per our phone conversation the morning of April 19, 2013 Uranium One further suggests that any cost adjustments resulting from the current NRC RAI be addressed in the 2013 surety estimate revision in order to avoid confusion.

Please find U1 responses to NRC RAI, the WDEQ approved surety and related comment responses enclosed with this letter.

If you have any questions or need additional information please do not hesitate to contact me at 307-234-8235, ext. 331 or via email at jon.winter@uranium1.com.

Sincerely,



Jon Winter
Manager: Wyoming Environmental and Regulatory Affairs
Uranium One Americas

Encl: Uranium One Responses to NRC RAI
Uranium One Responses WDEQ-LQD Surety Comments
Revised Annual Surety Adjustment

Revised Surety Adjustment

Cc: T. McCullough – Willow Creek Site SHE Manager w/o attachments
M. Taylor – WDEQ-LQD DIII w/o attachments

(1) Update unit costs based on Wyoming Department of Environmental Quality (WDEQ) Guideline 12 (Nov. 2010) to reflect unit costs from WDEQ Guideline 12 (Oct. 2012) (NUREG-1569, Section 6.5)

The basis for a substantial portion of the unit costs relied on in the cost estimate come from WDEQ Guideline 12 (Nov. 2010). WDEQ Guideline 12 has been revised twice since the November 2010 version, once in November 2011, and again in October 2012. NUREG-1569 states that surety values should be based on current dollars and reasonable values for the costs of various activities. The cost estimate may not account for the full cost of decommissioning if the unit costs are outdated. NRC staff requests the licensee update the surety estimate to reflect the October 2012 WDEQ Guideline 12.

Uranium One Response

Although the costs were not updated using the most current WDEQ Guideline 12 costs, the surety estimate was adjusted for inflation using the Consumer Price Index. As stated in the cover letter, WDEQ-LQD has already approved and accepted the adjusted LOC in the amount of \$21,075,000. As noted in NRC correspondence, the most recent WDEQ-LQD Guideline 12 was not published until after the surety revision submittal. As such, U1 will update costs in the upcoming 2013 surety update.

(2) Revise or justify miscellaneous costs (Appendix C of NUREG-1569)

Appendix C of NUREG-1569 calls for itemized estimated costs associated with engineering design, review, and change; quality control; and radiological safety. The cost estimate does not appear to include such costs. Unless engineering design, review, and change; quality control; and radiological safety are fully included, the cost estimate may not account for the full cost of decommissioning. NRC staff requests the licensee revise or justify its cost estimate as necessary to reflect engineering design, review, and change; quality control; and radiological safety.

Uranium One Response

As discussed in our phone conversation with Ron Linton April 19, 2013 there is some disagreement between U1 and the NRC as to whether the cost mentioned above are included in the surety estimate revision. Uranium One agrees to further discuss this RAI with the NRC, and offer additional clarification in the next surety update if necessary.

(3) Confirm that credit for salvage value is not included in the surety estimate (Appendix C of NUREG-1569)

Appendix C of NUREG-1569 states that, "Credit for salvage value is generally not acceptable in the estimated costs." The reclamation surety bond estimate does not explicitly specify whether or not credit is taken for salvage value in the cost estimate. NRC staff requests the licensee confirm that the cost estimate does not include credit for salvage value.

Uranium One Response

Credit for salvage is not included in the surety estimate.

(4) Confirm that costs related to restoration at mine units 2 through 6 are fully included in the surety estimate (Appendix C of NUREG-1569)

Appendix C of NUREG-1569 states that, "The water treatment equipment used during the uranium recovery phase of the operation is generally suitable for the restoration phase. The capital cost of this equipment is usually absorbed during the initial stages of the operation, leaving only the costs of operation, maintenance, and replacement filters for the restoration phase. However, if additional equipment will be required for restoration, associated costs should be detailed here. Replacement costs of some water treatment equipment may need to be included in the surety if the equipment used for restoration is near the end of its serviceable life." The NRC staff observed during NRC inspections that all of the wellfield module header houses for mine unit (MU) 6 have been removed and used in MU7 for operations, leaving no functioning module header houses in MU6. If additional groundwater restoration is required, these header houses would need to be replaced. Additionally, NRC staff observed during NRC inspection that module header houses in MUs 2 through 5 are in various states of disrepair and would likely not be usable in their current condition for ground water restoration should it be required. NRC staff requests the licensee revise or justify its restoration cost estimate as necessary for MUs 2 through 6 to ensure wellfield module header houses, header house equipment, and well field equipment would be fully functional, if required for additional restoration.

Uranium One Response

Wellfield restoration efforts for Mine Units 2 through 6 were undertaken by the previous owner of Christensen Ranch, COGEMA MINING, Inc. Pending NRC and WDEQ approval of restoration of MUs 2 through 6, U1 does not anticipate having to do additional extensive groundwater restoration, e.g., on a wellfield scale. In the event that more isolated or localized groundwater restoration is deemed necessary in MU6, U1 asserts that it is highly unlikely an entire header house, i.e. module building, would be needed. Further, the surety estimate for Restoration and Reclamation Costs (WORKSHEET 1) contains \$3,892,287 for the complete restoration of MUs 2 through 6. These costs cover groundwater sweep, five pore volumes of reverse osmosis, four quarters of stabilization monitoring, and associated "Repair & Maintenance" based on \$/KGallons. Uranium One believes that \$3,892,287 is sufficient to cover any further groundwater restoration and associated header house maintenance.

(5) Confirm that costs related to decommissioning are fully included in the surety estimate (Appendix C of NUREG-1569 and Regulatory Guide, 4.22)

Regulatory Guide 4.22 states that, "Under the DPR [Decommissioning Planning Rule], licensees of operating facilities are required to minimize contamination and radioactive waste generation, conduct appropriate radiological surveys including of the subsurface, maintain records of residual radioactivity, and provide adequate funding to complete decommissioning." Regulatory Guide 4.22 further states: "An intent of the DPR is to encourage licensees to develop plans that will identify contamination as it occurs rather than wait until license termination when significant amounts of previously unknown contamination can result in sizable cost and time overruns during decommissioning." NRC staff requests the licensee review Regulatory Guide 4.22 in the context of the DPR and determine if additional decommissioning funds are required to perform radiological

Uranium One Responses
NRC Request for Additional Information (RAI) for the
Annual Surety Update for Uranium One USA, Inc.
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surveys and if additional decommissioning funds are required in the surety for removal of residual radioactivity.

Uranium One Response

As noted in the NRC correspondence Regulatory Guide 4.22 was published several months after the surety revision submittal. In the next surety update Uranium One will review Regulatory Guide 4.22 in the context of the DPR and determine if additional funding is needed for radiological surveys and the removal of residual radioactivity.

WDEQ-LQD Comment Responses

**Annual Surety Update for Uranium One USA, Inc.
Willow Creek Project**

7. Surety Assumptions

WDEQ Comment

a. The current electric rate is $-\$0.06$ for commercial 3 phase power as of 11/7/12 (per communication with Powder River Energy). Please update, confirm, and or explain your current kw/hr rate assumption.

Uranium One Response

Since 2006, cost assumptions in the Willow Creek surety estimate were adjusted using the rate of inflation based on Consumer Price Index (CPI) for All Urban Consumers.

Uranium One (U1) updated a number of operating and cost assumptions in the 2011-2012 surety estimate update, submitted to WDEQ-LQD in the 2011-2012 Permit to Mine No 478 Annual Report, for Surety Worksheets 2 through 6. The majority of these cost updates were taken directly from WDEQ-LQD Guideline 12 or references specified therein, or based on actual operating costs; thus, allowing the cost of inflation adjustment to be dropped for these worksheets. However, U1 could not update ALL of the costs in Worksheet 1 "Groundwater Restoration," and instead chose to use the inflation adjustment for Worksheet 1, rather than updating part of the cost assumptions, e.g. electricity, and still applying the inflation adjustment.

The current operating cost of power at the Christensen Ranch site is approximately $\$0.0549$ kw/hr. If this $\$0.0549$ kw/hr cost for power was used in Worksheet 1 and the 12.9% inflation adjustment for inflation used in Table 1 for Groundwater Restoration, the result would be an electric rate of $\$0.0621$. If an electricity cost of $\$0.0485$ kw/hr is used and the inflation adjustment of 12.9% is applied, the result is a more realistic cost of $\$0.0548$ kw/hr. The cost of power has been adjusted accordingly, increasing the WDEQ surety estimate by $\$1,349,082$.

WDEQ Comment

b. Transportation costs are highly variable and the quote used is two years old. Please use updated transportation quotes.

Uranium One Response

Transportation costs were evaluated with local trucking companies and compared to Uranium One's actual current costs. The cost of $\$2,100$ is still accurate for the shipment of 11e2 byproduct material. The Transportation Cost of $\$0.16$ ton/mile has been increased to $\$0.21$ ton/mile accounting for an overall increase of $\$8,250$ to the WDEQ surety estimate.

WDEQ Comment

c. As a general comment, please confirm costs assumed are in fact current and have not changed since the 2011 report assumptions, many of which were already marginally outdated.

Uranium One Response

Uranium One response to Comment #7 of the WDEQ-LQD, District III review letter (November 9, 2012)
for the Willow Creek Permit 478 Annual Report.

WDEQ-LQD Comment Responses

Annual Surety Update for Uranium One USA, Inc.

Willow Creek Project

As stated above in response to comment "a." Uranium One (U1) updated a number of operating and cost assumptions in the 2011-2012 surety estimate update, submitted to WDEQ-LQD in the 2011-2012 Permit to Mine No 478 Annual Report, for Surety Worksheets 2 through 6. The majority of these cost updates were taken directly from WDEQ-LQD Guideline 12, references specified therein, or based on actual operating costs. As such U1 applied the CPI for All Urban Consumers to account for 1% rate of inflation adjustment in all cost assumptions which were updated only last year. This accounted for an overall increase of \$72,521, please note that this is prior the 16.5% "Miscellaneous Additions to Surety" and the WDEQ "Contingency" of 4%. If these cost adjustments are added to the \$72,521 inflation adjustment the result is an increase of \$87,866. Uranium One feels this is adequate to account for any cost changes that may have occurred in a single year.

Non WDEQ-LQD related comment and surety adjustment

As per condition "P" of the Willow Creek Class I UIC disposal well permit (Wyoming Permit 10-219) the WDEQ-WQD has stipulated that a 3% increase be added to the surety annually for plugging and abandonment costs for CR DW #1 and CR 18-3. This adjustment was added to Spreadsheet 1, Section VI - Restoration Capital Requirements. The 3% adjustment accounted for an increase for both wells of \$4,206.00.

RECURRING COST

Item	Amount (\$)	Units	Cost Basis
ELECTRICAL			
Power Cost (actual costs)	\$0.04850	kw/hr	Current operating cost of electricity - Powder River Energy - Dec. 2012

LABOR RATES

Supervisor	\$30.04	Hour	Operator Wage below + \$5.00 referenced in WDEQ Guideline 12, Section I
Power Equipment Operators (Group 1)	\$24.08	Hour	From 2011 Heavy and Highway Prevailing Wages (referenced by state to 2010 State Building Construction Prevailing Wages) WDEQ Guideline 12 I.
Power Equipment Operators (Group 2)	\$25.04	hour	From 2011 Heavy and Highway Prevailing Wages (referenced by state to 2010 State Building Construction Prevailing Wages) WDEQ Guideline 12 I.
Laborers (Group 1)	\$15.02	hour	From 2011 Heavy and Highway Prevailing Wages (referenced by state to 2010 State Building Construction Prevailing Wages) WDEQ Guideline 12 I.
Laborers (Group 2)	\$19.01	hour	From 2011 Heavy and Highway Prevailing Wages (referenced by state to 2010 State Building Construction Prevailing Wages) WDEQ Guideline 12 I.

ANALYTICAL

Guideline 8	\$150	batch	Current rate used in worksheet 1
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TRANSPORTATION AND DISPOSAL

Distance to Landfill	115	(miles)	The distance from Christensen Ranch/Irigary to Casper Landfill is ~115 miles
Transportation Cost	\$0.21	(\$/Ton-Mile)	Estimate from local trucking company (Dec. 2012)
Solid Waste landfill disposal cost	\$58.50	Ton	Casper City landfill rates for outside of Natrona County commercial trailer over 8 feet in length.
Quantity Per Truck Load	20	(Tons)	
Quantity Per Truck Load	20.0	(Yds ³)	
11e2 disposal cost	\$100.00	cubic yard	Average cost of graduated fee schedule for disposal of soils, sands, rubble etc., at NRC Licensed Facility (Shirley Basin) (August 2010)
11e2 disposal cost	\$3.70	cubic foot	Average cost of graduated fee schedule for disposal of soils, sands, rubble etc., at NRC Licensed Facility (Shirley Basin) (August 2010)
11e2 disposal cost	\$11.00	cubic foot	Average cost of graduated fee schedule for disposal of sludge, resin beads, fileter media, etc., at NRC Licensed Facility (Shirley Basin) (August 2010)
11e2 disposal cost	\$297.00	cubic yard	Average cost of graduated fee schedule for disposal of sludge, resin beads, fileter media, etc., at NRC Licensed Facility (Shirley Basin) (August 2010)
Onsite Disposal	\$0.26	cubic foot	WDEQ Guideline 12, Appendix K, Conrete Disposal On Site \$6.97yd ³ = \$0.26ft ³
11e2 Transportation Cost Per Truck	\$2,100.00		Constant cost per load based on current contract with local trucking company

VEHICLE OPERATION

Unit Cost	\$22.69	unit	Cost per WDEQ Guideline 12 Table D-1
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PLANT DISMANTLING

Concrete Floor Demolition	\$5.05	square foot	Costs per WDEQ Guideline 12, Appendix K
Cost of Demolition Per Ft ³	\$0.26	Cubic foot	WDEQ Guideline 12, Appendix K

PLANT/EQUIPMENT DECONTAMINATION AND DISPOSAL

Decontamination	\$0.13	square foot	Based on actual costs
Decontamination	\$435.00	truck load	Based on actual costs

WELL PLUGGING AND ABANDONMENT

Bentonite Chips	\$5.10	50# bag	Quote from Casper Well (August 2011)
Cement Cones	\$7.50	per hole	Costs per WDEQ Guideline 12, App. L, Abandonment and Sealing of Drill and Monitor Wells

EQUIPMENT

Dozer	\$74.52	acre	<i>Cost per WDEQ Guideline 12, App M, rough grading/backfill</i>
Backhoe Loader (Cat 430E 4WD)	\$31.53	hour	<i>Cost per WDEQ Guideline 12, Table D-1</i>
Loader (Cat 980G)	\$106.06	hour	<i>Cost per WDEQ Guideline 12, Table D-1</i>
Pick up 4X4 (gasoline)	\$22.69	hour	<i>Cost per WDEQ Guideline 12, Table D-1</i>
Hose Reel	\$45.00	hour	<i>Costs for equipment from operating ISR facility</i>

CULVERT REMOVAL

20 foot culvert	\$122.02		<i>Cost per WDEQ Guideline 12, Appendix J</i>
per foot	\$6.10	foot	

ELECTRICAL POWERLINES & TRANSFORMERS

Distribution/Transmission Lines	\$0.00		<i>Tri-County Electric will remove at no cost, WDEQ Guideline 12, Appendix H</i>
Transformers	\$0.00		<i>Tri-County Electric will remove at no cost, WDEQ Guideline 12, Appendix H</i>

FENCING

Removal	\$0.31	linear foot	<i>WDEQ Guideline 12, Appendix H</i>
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RECLAMATION

Discing and Seeding	\$280	acre	<i>Operator Experience based on Current Contractor Pricing</i>
Top Soil Application	\$0.90	cu/yd	<i>Costs per WDEQ Guideline 12, App. B</i>
Unit Cost - Haul/Place (\$/Yd ³)	\$0.90	cu/yd	<i>Costs are for 1000 foot haul based on WDEQ Guideline 12, Appendix B, cost of \$.842/cubic yard</i>
Unit Cost - Grading (\$/Ac)	\$70.43	acre	<i>Costs per WDEQ Guideline 12, Appendix M D9 dozer</i>

References

Cost estimates were generated from a number of existing sources, primarily operating ISR facilities including:

Trec's Feasibility Study Moore Ranch Project

Guideline 12 costs were updated using Nov. 2010 version.

			WDEQ Estimate	NRC Estimate
I GROUNDWATER RESTORATION - Worksheet 1:			\$8,456,395	\$8,714,309
Adjustment for Inflation = 12.9%				
(Sep. 2006 CPI All Urban Consumers, 202.9, to July 2012, 229.104)			\$1,092,121	\$1,125,430
Subtotal Groundwater Restoration			\$9,548,516	\$9,839,739
II DECOMMISSIONING AND SURFACE RECLAMATION:				
A.	Process Plant(s) Equipment Removal and Disposal		\$253,122	\$253,122
	Worksheet 2			
B.	Plant Building(s) Demolition and Disposal		\$1,243,584	\$1,243,584
	Worksheet 3			
C.	Process Pond Sludge and Liner Handling		\$1,417,338	\$1,417,338
	Worksheet 4			
D.	Well Abandonment		\$939,675	\$939,675
	Worksheet 5			
E.	Wellfield Equipment Removal and Disposal		\$2,247,995	\$2,247,995
	Worksheet 6			
F.	Topsoil Replacement and Revegetation		\$1,194,384	\$1,194,384
	Worksheet 7			
G.	Miscellaneous Reclamation Activities		\$132,427	\$132,427
	Worksheet 8			
Sub Total - Decommissioning and Surface Reclamation			\$7,428,526	\$7,428,526
Adjustment for Inflation (A-G) = 1.0%			\$72,521	\$72,521
(Sep. 2011 CPI All Urban Consumers, 226.889, to July 2012, 229.104)				
TOTAL RESTORATION AND RECLAMATION			\$17,049,562	\$17,340,786
SUBTOTAL			\$17,049,562	\$17,340,786
Miscellaneous Costs Associated with Third Party Contractors				
		WDEQ	NRC	
Project Design	\$200,000.0		0%	
Site Security & Liability Assurance	\$200,000.00		0.0%	
Contractor Profit & Mobilization	10%		3%	
Pre-construction Investigation	1%			
Project Management	3%		2%	
On-site monitoring	0.5%			
Longterm Administration	2%			
Subtotal miscellaneous additions to surety	16.5%	5.0%	\$3,213,178	\$867,039.30
SUBTOTAL			\$20,262,740	\$18,207,825
		WDEQ	NRC	
Contingency	4%		15%	
			\$810,510	\$2,731,174
GRAND TOTAL RESTORATION AND RECLAMATION			\$21,073,250	\$20,938,999

GROUNDWATER RESTORATION

	Irigaray Mine Unit(s) #1 Thru #5	Irigaray Mine Unit(s) #6 Thru #9	Christensen Mine Unit #2	Christensen Mine Unit #3	Christensen Mine Unit #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8	Christensen Mine Unit #10	Christensen Mine Unit #11
Technical Assumptions:											
Wellfield Area (Ft²)	522720	784080	890000	798944	510088	1210968	2021243	1180476	1750020	1524600	1828767
Wellfield Area (Acres)	12.00	18.00	20.43	18.34	11.71	27.80	46.40	27.10	40.17	35.00	41.98
Affected Ore Zone Area (Ft²)	522720	784080	890000	798944	550193	1346004	2058344	1180476	1750020	1524600	0
Avg Completed Thickness (Ft)	15.0	18.0	11.0	10.0	12.7	19.9	21.8	18.0	20.0	20.0	20.0
Affected Volume:											
Factor For Vertical Flare	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Factor For Horizontal Flare	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Total Volume (Ft³)	11290752	20323353.6	14097600	11504793.6	10061929.6	38593685.7	64615534.8	30597937.92	50400576	43908480	0
Porosity	26.0%	26.0%	26.0%	26.0%	26.0%	26.0%	26.0%	26.0%	26.0%	26.0%	26.0%
Gallons Per Cubic Foot	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48
Gallons Per Pore Volume	21958254.5	39524858.1	27417012.5	22374522.6	19568440.7	75057000	125664292	59506869.67	98019040.2	85393211.9	0
Number of Wells in Unit(s)											
Production Wells	150	274	91	176	81	134	178	167	264	158	96
Injection Wells	310	330	195	267	130	188	202	389	516	220	192
Monitor Wells	150	165	50	47	33	72	64	66	76	71	87
Baseline Water Quality wells (prod or inj)	19	27	24	19	15	25	47	11	14	12	12
Average Well Spacing (Ft)	35	35	85	70	85	85	100	70	70	70	70
Average Well Depth (Ft)	250	250	345	300	430	450	520	550	375	500	500

I GROUNDWATER SWEEP

A. PLANT & OFFICE

Operating Assumptions:											
Flowrate (gpm)			200	200	200	200	200	200	200	200	200
PV's Required			1	1	1	1	1	1	1	1	1
Total Gallons For Treatment			27417012.5	22374522.6	19568440.7	75057000	125664292	59506869.67	98019040.2	85393211.9	0
Total KGals for Treatment			27417	22375	19568	75057	125664	59507	98019	85393	0
Cost Assumptions:											
Power											
Avg Connected Hp			40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00
Kwh's/Hp			0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
\$/Kwh			\$0.0485	\$0.0485	\$0.0485	\$0.0485	\$0.0485	\$0.0485	\$0.0485	\$0.0485	\$0.0485
Gallons Per Minute			200	200	200	200	100	100	100	100	100
Gallons Per Hour			12000	12000	12000	12000	6000	6000	6000	6000	6000
Cost Per Hour			1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61
Cost Per Gallon			0.00013	0.00013	0.00013	0.00013	0.00027	0.00027	0.00027	0.00027	0.00027
Cost Per KGal (\$)			\$0.134	\$0.134	\$0.134	\$0.134	\$0.268	\$0.268	\$0.268	\$0.268	\$0.268
Chemicals											
Antiscalant (\$/KGals)			\$0.0947	\$0.0947	\$0.0947	\$0.0947	\$0.0947	\$0.0947	\$0.0947	\$0.0947	\$0.0947
Elution (\$/KGals)			\$0.099	\$0.099	\$0.099	\$0.099	\$0.099	\$0.099	\$0.099	\$0.099	\$0.099
Repair & Maintenance (\$/KGals)			\$0.0379	\$0.0379	\$0.0379	\$0.0379	\$0.0379	\$0.0379	\$0.0379	\$0.0379	\$0.0379
Analysis (\$/KGals)			\$0.131	\$0.127	\$0.115	\$0.050	\$0.056	\$0.000	\$0.000	\$0.000	\$0.000
Total Cost Per KGal			\$0.497	\$0.493	\$0.481	\$0.416	\$0.556	\$0.500	\$0.500	\$0.500	\$0.500
Total Treatment Cost			\$13,629	\$11,034	\$9,408	\$31,205	\$69,878	\$29,751	\$49,006	\$42,694	\$0
Utilities											
Power (\$/Month)			\$65	\$65	\$65	\$65	\$65	\$65	\$65	\$65	\$65
Telephone (\$/Month)			\$500	\$500	\$500	\$500	\$500	\$500	\$500	\$500	\$500
Time For Treatment											
Minutes For Treatment			137085	111873	97842	375285	628321	0	0	0	0
Hours For Treatment			2285	1865	1631	6255	10472	0	0	0	0
Days For Treatment			95	78	68	261	436	0	0	0	0
Average Days Per Month			30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
Months For Treatment			3.1	2.6	2.2	8.6	14.3	0.0	0.0	0.0	0.0
Utilities Cost (\$)			\$1,768	\$1,443	\$1,262	\$4,841	\$8,105	\$0	\$0	\$0	\$0
TOTAL PLANT & OFFICE COST	\$0	\$0	\$15,397	\$12,477	\$10,670	\$36,046	\$77,983	\$29,751	\$49,006	\$42,694	\$0

I GROUNDWATER SWEEP (Continued)

B. WELLFIELD

Cost Assumptions:											
Power											
Avg Flow/Pump (gpm)			20	20	20	20	20	20	20	20	20
Avg Hp/Pump			3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
Avg # of Pumps Required			10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Avg Connected Hp			30	30	30	30	30	30	30	30	30
Kwh's/Hp			0.830	0.830	0.830	0.830	0.830	0.830	0.830	0.830	0.830
\$/Kwh			\$0.0485	\$0.0485	\$0.0485	\$0.0485	\$0.0485	\$0.0485	\$0.0485	\$0.0485	\$0.0485

Uranium One USA, Inc.
2012-2013 Restoration and Reclamation Costs
Wyoming Operations
WORKSHEET 1

	Irigaray Mine Unit(s) #1 Thru #5	Irigaray Mine Unit(s) #6 Thru #9	Christensen Mine Unit #2	Christensen Mine Unit #3	Christensen Mine Unit #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8	Christensen Mine Unit #10	Christensen Mine Unit #11
GROUNDWATER RESTORATION											
Gallons Per Minute			200	200	200	200	200	200	200	200	200
Gallons Per Hour			12000	12000	12000	12000	12000	12000	12000	12000	12000
Cost Per Hour (\$)			\$1.21	\$1.21	\$1.21	\$1.21	\$1.21	\$1.21	\$1.21	\$1.21	\$1.21
Cost Per Gallon (\$)			\$0.0001	\$0.0001	\$0.0001	\$0.0001	\$0.0001	\$0.0001	\$0.0001	\$0.0001	\$0.0001
Cost Per KGal (\$)			0.101	0.101	0.101	0.101	0.101	0.101	0.101	0.101	0.101
Repair & Maintenance (\$/KGals)			\$0.289	\$0.289	\$0.289	\$0.289	\$0.289	\$0.289	\$0.289	\$0.289	\$0.289
Total Cost Per KGal			\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390
TOTAL WELLFIELD COST	\$0	\$0	\$10,694	\$8,727	\$7,632	\$29,275	\$49,014	\$23,210	\$38,231	\$33,307	\$0
TOTAL GROUND WATER SWEEP COST	\$0	\$0	\$26,091	\$21,204	\$18,302	\$65,321	\$126,997	\$52,961	\$87,237	\$76,000	\$0

II REVERSE OSMOSIS

A. PLANT & OFFICE

Operating Assumptions:											
Flowrate (gpm)			500	500	500	500	500	500	500	500	500
PV's Required			5.0	5.0	5.0	5.0	5.0	10.0	10.0	10.0	10.0
Total Gallons For Treatment			137085062	111872613	97842203.3	375285000	628321461	595068696.7	980190402	853932119	0
Total KGals for Treatment			137085	111873	97842	375285	628321	595069	980190	853932	0
Feed to RO (gpm)			500	500	500	500	500	500	500	500	500
Permeate Flow (gpm)			375	375	375	375	375	375	375	375	375
Brine Flow (gpm)			125	125	125	125	125	125	125	125	125
Average RO Recovery			75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%
Cost Assumptions:											
Power											
Avg Connected Hp			560.00	560.00	560.00	560.00	560.00	560.00	560.00	560.00	560.00
Kwh's/Hp			0.830	0.830	0.830	0.830	0.830	0.830	0.830	0.830	0.830
\$/Kwh			\$0.0485	\$0.0485	\$0.0485	\$0.0485	\$0.0485	\$0.0485	\$0.0485	\$0.0485	\$0.0485
Gallons Per Minute			500	500	500	500	500	500	500	500	500
Gallons Per Hour			30000	30000	30000	30000	30000	30000	30000	30000	30000
Cost Per Hour (\$)			\$22.54	\$22.54	\$22.54	\$22.54	\$22.54	\$22.54	\$22.54	\$22.54	\$22.54
Cost Per Gallon (\$)			\$0.00075	\$0.00075	\$0.00075	\$0.00075	\$0.00075	\$0.00075	\$0.00075	\$0.00075	\$0.00075
Cost Per KGal (\$)			\$0.751	\$0.751	\$0.751	\$0.751	\$0.751	\$0.751	\$0.751	\$0.751	\$0.751
Chemicals											
Caustic Soda (\$/KGals)			\$0.018	\$0.018	\$0.018	\$0.018	\$0.018	\$0.018	\$0.018	\$0.018	\$0.018
Antiscalant (\$/KGals)			\$0.0947	\$0.0947	\$0.0947	\$0.0947	\$0.0947	\$0.0947	\$0.0947	\$0.0947	\$0.0947
Elution (\$/KGals)			\$0.099	\$0.099	\$0.099	\$0.099	\$0.099	\$0.099	\$0.099	\$0.099	\$0.099
Repair & Maintenance (\$/KGals)			\$0.038	\$0.038	\$0.038	\$0.038	\$0.038	\$0.038	\$0.038	\$0.038	\$0.038
Sampling & Analysis (\$/KGals)			\$0.090	\$0.122	\$0.092	\$0.039	\$0.032	\$0.046	\$0.028	\$0.032	\$0.032
Total Cost Per KGal (\$)			\$1.091	\$1.123	\$1.093	\$1.040	\$1.033	\$1.047	\$1.029	\$1.033	\$0
Total Pumping Cost (\$)	\$0	\$0	\$149,576	\$125,587	\$106,943	\$390,170	\$648,767	\$622,830	\$1,008,797	\$882,109	\$0
Utilities											
Power (\$/Month)			\$65	\$65	\$65	\$65	\$65	\$65	\$65	\$65	\$65
Propane (\$/Month)			\$500	\$500	\$500	\$500	\$500	\$500	\$500	\$500	\$500
Time For Treatment											
Minutes For Treatment			274170	223745	195684	750570	1256643	1190137	1960381	1707864	0
Hours For Treatment			4570	3729	3261	12510	20944	19836	32673	28464	0
Days For Treatment			190	155	136	521	873	826	1361	1186	0
Average Days Per Month			30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
Months For Treatment			6.3	5.1	4.5	17.1	28.7	27.2	44.8	39.0	0.0
Utilities Cost (\$)	\$0	\$0	\$3,560	\$2,882	\$2,543	\$9,662	\$16,216	\$15,368	\$25,312	\$22,035	\$0
TOTAL PLANT & OFFICE COST	\$0	\$0	\$153,135	\$128,469	\$109,485	\$399,832	\$664,982	\$638,198	\$1,034,109	\$904,144	\$0

II REVERSE OSMOSIS (Continued)

B. WELLFIELD

Cost Assumptions:											
Power											
Avg Flow/Pump (gpm)			20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
Avg Hp/Pump			3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
Avg # of Pumps Required			25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Avg Connected Hp			75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
Kwh's/Hp			0.830	0.830	0.830	0.830	0.830	0.830	0.830	0.830	0.830
\$/Kwh			\$0.0485	\$0.0485	\$0.0485	\$0.0485	\$0.0485	\$0.0485	\$0.0485	\$0.0485	\$0.0485
Gallons Per Minute			500	500	500	500	500	500	500	500	500
Gallons Per Hour			30000	30000	30000	30000	30000	30000	30000	30000	30000
Cost Per Hour (\$)			\$3.02	\$3.02	\$3.02	\$3.02	\$3.02	\$3.02	\$3.02	\$3.02	\$3.02
Cost Per Gallon (\$)			\$0.0001	\$0.0001	\$0.0001	\$0.0001	\$0.0001	\$0.0001	\$0.0001	\$0.0001	\$0.0001
Cost Per KGal (\$)			\$0.101	\$0.101	\$0.101	\$0.101	\$0.101	\$0.101	\$0.101	\$0.101	\$0.101
Repair & Maintenance (\$/KGals)			\$0.289	\$0.289	\$0.289	\$0.289	\$0.289	\$0.289	\$0.289	\$0.289	\$0.289

Uranium One USA, Inc.
2012-2013 Restoration and Reclamation Costs
Wyoming Operations
WORKSHEET 1

	Irigaray Mine Unit(s) #1 Thru #5	Irigaray Mine Unit(s) #6 Thru #9	Christensen Mine Unit #2	Christensen Mine Unit #3	Christensen Mine Unit #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8	Christensen Mine Unit #10	Christensen Mine Unit #11
GROUNDWATER RESTORATION											
Total Cost Per KGal			\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390
TOTAL WELLFIELD COST	\$0	\$0	\$53,413	\$43,590	\$38,123	\$146,225	\$244,818	\$231,861	\$381,919	\$332,724	\$0
Circulate 1 PV of Hydrogen Sulfide gas reductant \$0.863 per Kgal			\$23,661	\$19,309	\$16,888	\$64,774	\$108,448	\$51,354	\$84,590	\$73,694	\$0
TOTAL REVERSE OSMOSIS COST	\$0	\$0	\$230,210	\$191,368	\$164,496	\$610,831	\$1,018,248	\$921,413	\$1,500,618	\$1,310,562	\$0

III WASTE DISPOSAL WELL

Operating Assumptions:											
Annual Evaporation Capacity (Gals)			1,917,612	1,917,612	1,917,612	1,917,612	1,917,612	1,917,612	1,917,612	1,917,612	1,917,612
Avg. Monthly Evap. Capacity (Gals)			159,801	159,801	159,801	159,801	159,801	159,801	159,801	159,801	159,801
Total Disposal Requirement											
RO Brine Total Gallons			34,271,266	27,968,153	24,460,551	93,821,250	157,080,365	148,767,174	245,047,601	213,483,030	0
RO Brine Total KGallons			34,271	27,968	24,461	93,821	157,080	148,767	245,048	213,483	0
Brine Concentration Factor			60%	60%	60%	60%	60%	60%	60%	60%	60%
Total Concentrated Brine (Gals)			20,562,759	16,780,892	14,676,330	56,292,750	94,248,219	89,260,305	147,028,560	128,089,818	0
Months of RO Operation			6.3	5.1	4.5	17.1	28.7	27.2	44.8	39.0	0.0
Average Monthly Reqm't (Gallons)			3,263,930	3,290,371	3,261,407	3,291,974	3,283,910	3,281,629	3,281,888	3,284,354	
Monthly Balance for DDW (Gals)			3,104,129	3,130,570	3,101,606	3,132,173	3,124,109	3,121,828	3,122,087	3,124,553	
Total WDW Disposal (Gallons)			19,556,013	15,965,907	13,957,226	53,560,153	89,661,930	84,913,717	139,869,476	121,857,579	
Total WDW Disposal (KGals)			19,556	15,966	13,957	53,560	89,662	84,914	139,869	121,858	
Cost Assumptions:											
Power											
Avg Connected Hp			100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
WDW Avg Connected Hp			180.00	180.00	180.00	180.00	180.00	180.00	180.00	180.00	180.00
Kwh's/Hp			0.830	0.830	0.830	0.830	0.830	0.830	0.830	0.830	0.830
\$/Kwh			\$0.0485	\$0.0485	\$0.0485	\$0.0485	\$0.0485	\$0.0485	\$0.0485	\$0.0485	\$0.0485
Gallons Per Minute			150	150	150	150	150	150	150	150	150
Gallons Per Hour			9000	9000	9000	9000	9000	9000	9000	9000	9000
Cost Per Hour (\$)			\$11.27	\$11.27	\$11.27	\$11.27	\$11.27	\$11.27	\$11.27	\$11.27	\$11.27
Cost Per Gallon (\$)			\$0.0013	\$0.0013	\$0.0013	\$0.0013	\$0.0013	\$0.0013	\$0.0013	\$0.0013	\$0.0013
Cost Per KGal (\$)			\$1.252	\$1.252	\$1.252	\$1.252	\$1.252	\$1.252	\$1.252	\$1.252	\$1.252
Chemicals (\$/Kgals)											
RO Antiscalant (\$/Kgals)			\$0.190	\$0.190	\$0.190	\$0.190	\$0.190	\$0.190	\$0.190	\$0.190	\$0.190
WDW Antiscalant (\$/Kgals)			\$0.237	\$0.237	\$0.237	\$0.237	\$0.237	\$0.237	\$0.237	\$0.237	\$0.237
Sulfuric Acid (\$/Kgals)			\$0.534	\$0.534	\$0.534	\$0.534	\$0.534	\$0.534	\$0.534	\$0.534	\$0.534
Corrosion Inhibitor			\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000
Alqacide			\$0.111	\$0.111	\$0.111	\$0.111	\$0.111	\$0.111	\$0.111	\$0.111	\$0.111
Repair & Maint (\$/Kgals)			\$0.077	\$0.077	\$0.077	\$0.077	\$0.077	\$0.077	\$0.077	\$0.077	\$0.077
Total Cost Per KGal			\$2.401	\$2.401	\$2.401	\$2.401	\$2.401	\$2.401	\$2.401	\$2.401	\$2.401
TOTAL WASTE DISPOSAL WELL COST			\$46,961	\$38,340	\$33,517	\$128,618	\$215,312	\$203,910	\$335,879	\$292,626	\$0

IV STABILIZATION MONITORING

Operating Assumptions:											
Time of Stabilization (mos)			9	9	9	9	9	9	9	9	9
Frequency of Analysis (mos)			3	3	3	3	3	3	3	3	3
Total Sets of Analysis			4	4	4	4	4	4	4	4	4
Cost Assumptions:											
Generator Rental per sample set			\$280	\$280	\$280	\$280	\$280	\$280	\$280	\$280	\$280
Analytical costs per set			\$3,600	\$2,850	\$2,250	\$3,750	\$7,050	\$1,650	\$2,100	\$1,800	\$1,800
Total Sampling & Analysis Cost (\$)			\$15,520	\$12,520	\$10,120	\$16,120	\$29,320	\$7,720	\$9,520	\$8,320	\$8,320
Utilities (Power + Telephone per month)			\$565	\$565	\$565	\$565	\$565	\$565	\$565	\$565	\$565
Total Utilities Cost (\$)			\$5,085	\$5,085	\$5,085	\$5,085	\$5,085	\$5,085	\$5,085	\$5,085	\$5,085
TOTAL STABILIZATION COST	\$0	\$0	\$20,605	\$17,605	\$15,205	\$21,205	\$34,405	\$12,805	\$14,605	\$13,405	\$0

V LABOR (Irigaray and Christensen Combined)

Cost Assumptions	Cost/Hour	Hours/Year	Cost
Crew:			
1 Supervisor	\$25.00	2080	\$52,000
4 Operators	\$20.00	2080	\$166,400
2 Maintenance	\$20.00	2080	\$83,200
2 Vehicles	\$12.00	2080	\$49,920
Cost per Year			\$351,520
Time Required - Years		2.0	
TOTAL RESTORATION LABOR COST			\$703,040

GROUNDWATER RESTORATION

Irigaray Mine Unit(s) #1 Thru #5	Irigaray Mine Unit(s) #6 Thru #9	Christensen Mine Unit #2	Christensen Mine Unit #3	Christensen Mine Unit #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8	Christensen Mine Unit #10	Christensen Mine Unit #11
Irigaray Mine Unit(s) #1 Thru #9	Christensen Mine Unit #2 Thru #4	Total Christensen & Irigaray								

VI RESTORATION CAPITAL REQUIREMENTS

I Deep Disposal Well(s) - new	\$0
II Plug and Abandon CR DW-1	\$73,950
III Plug and Abandon CR 18-3	\$66,250
IV 500 GPM Reverse Osmosis Unit	\$0
WDEQ-WQD 3% Annual Adjustment	\$4,206
Total	\$0 \$144,406

	Irigaray Mine Unit(s) #1 Thru #5	Irigaray Mine Unit(s) #6 Thru #9	Christensen Mine Unit #2	Christensen Mine Unit #3	Christensen Mine Unit #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8	Christensen Mine Unit #10	Christensen Mine Unit #11	TOTAL
SUMMARY:												
I GROUNDWATER SWEEP	\$0	\$0	\$26,091	\$21,204	\$18,302	\$65,321	\$126,997	\$52,961	\$87,237	\$76,000	\$0	
II REVERSE OSMOSIS	\$0	\$0	\$230,210	\$191,368	\$164,496	\$610,831	\$1,018,248	\$921,413	\$1,500,618	\$1,310,562	\$0	
III WASTE DISPOSAL WELL	\$0	\$0	\$46,961	\$38,340	\$33,517	\$128,618	\$215,312	\$203,910	\$335,879	\$292,626	\$0	
IV STABILIZATION	\$0	\$0	\$20,605	\$17,605	\$15,205	\$21,205	\$34,405	\$12,805	\$14,605	\$13,405	\$0	
SUB TOTAL	\$0	\$0	\$323,867	\$268,517	\$231,520	\$825,975	\$1,394,962	\$1,191,089	\$1,938,340	\$1,692,594	\$0	\$7,866,863
V LABOR												\$703,040
VI CAPITAL												\$144,406
TOTAL GROUNDWATER RESTORATION COST												\$8,714,309
Credit for Completion of Groundwater Sweep (WDEQ)			\$26,091	\$21,204	\$18,302	\$65,321	\$126,997	\$0	\$0	\$0	\$0	\$257,915
Credit for Completion of Reverse Osmosis (WDEQ)												\$0
Credit Completion of Stabilization Monitoring (WDEQ)												\$0
Credit Subtotal			\$26,091	\$21,204	\$18,302	\$65,321	\$126,997	\$0	\$0	\$0	\$0	\$257,915
GRAND TOTAL WDEQ	\$0	\$0	\$297,776	\$247,313	\$213,217	\$760,654	\$1,267,965	\$1,191,089	\$1,938,340	\$1,692,594	\$0	\$8,456,395
GRAND TOTAL NRC (no credit)	\$0	\$0	\$323,867	\$268,517	\$231,520	\$825,975	\$1,394,962	\$1,191,089	\$1,938,340	\$1,692,594	\$0	\$8,714,309

Uranium One USA, Inc.
2012-2013 Restoration and Reclamation Costs
Wyoming Operations
WORKSHEET 2

PLANT EQUIPMENT REMOVAL AND DISPOSAL	Irigaray							Christensen				
	Maint Area & Laboratory	Main Process Building	Expansion Building	Resin + Sand Filter Media	Dry Pack Area	Restoration Building	Sub Total	Satellite Plant	Resin + Sand Filter Media	Restoration Extension	Wellfield Modules	Sub Total
Volume (Yds³)	40	0	188	110	40	0		116	215.6	42	100	
Quantity Per Truck Load (Yds³)	20	20	20	20	20	20		20	20	20	20	
Number of Truck Loads	2.0	0.0	9.4	5.5	2.0	0.0		5.80	10.8	2.1	5.0	
I Decontamination Cost												
Decontamination Cost (\$/Load)	\$435	\$435	\$435	\$435	\$435	\$435		\$435	\$435	\$435	\$435	
Percent Requiring Decontamination	20.0%	100.0%	100.0%	0.0%	100.0%	100.0%		100.0%	0.0%	100.0%	100.0%	
Total Cost	\$174	\$0	\$4,089	\$0	\$870	\$0	\$5,133	\$2,523	\$0	\$914	\$2,175	\$5,612
II Dismantle and Loading Cost												
Cost Per Truck Load (\$)	\$650	\$650	\$650	\$650	\$650	\$650		\$650	\$650	\$650	\$650	
Total Cost	\$1,300	\$0	\$6,110	\$3,575	\$1,300	\$0	\$12,285	\$3,770	\$7,007	\$1,365	\$3,250	\$15,392
III Oversize Charges												
Percent Requiring Permits	40.0%	40.0%	40.0%	0.0%	60.0%	40.0%		40.0%	0.0%	40.0%	0.0%	
Cost Per Truck Load (\$)	\$326	\$326	\$326	\$326	\$326	\$326		\$326	\$326	\$326	\$326	
Total Cost	\$261	\$0	\$1,226	\$0	\$391	\$0	\$1,878	\$756	\$0	\$274	\$0	\$1,030
IV Transportation & Disposal												
A. Landfill												
Percent To Be Shipped	80.0%	80.0%	80.0%	0.0%	50.0%	80.0%		80.0%	0.0%	80.0%	80.0%	
Transportation Cost Per Truck Load	\$483	\$483	\$483	\$483	\$483	\$483		\$483	\$483	\$483	\$483	
Transportation Cost	\$773	\$0	\$3,632	\$0	\$483	\$0		\$2,241	\$0	\$811	\$1,932	
Disposal Fee Per Ton (1 yd³ = 1 ton)	\$58.50	\$58.50	\$58.50	\$58.50	\$58.50	\$58.50		\$58.50	\$58.50	\$58.50	\$58.50	
Disposal Cost (\$)	\$1,872	\$0	\$8,798	\$0	\$1,170	\$0		\$5,429	\$0	\$1,966	\$4,680	
Total Cost	\$2,645	\$0	\$12,431	\$0	\$1,653	\$0		\$7,670	\$0	\$2,777	\$6,612	
B. Licensed Site												
Percent To Be Shipped	20.0%	20.0%	20.0%	100.0%	50.0%	20.0%		20.0%	100.0%	20.0%	20.0%	
Transportation Cost Per Truck Load	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100		\$2,100	\$2,100	\$2,100	\$2,100	
Transportation Cost	\$840	\$0	\$3,948	\$11,550	\$2,100	\$0		\$2,436	\$22,638	\$882	\$2,100	
Disposal Cost Per Cubic Foot (\$)	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00		\$11.00	\$11.00	\$11.00	\$11.00	
Quantity Per Truck Load (Yds³)	20.0	20.0	20.0	20.0	20.0	20.0		20.0	20.0	20.0	20.0	
Quantity Per Truck Load (Ft³)	540	540	540	540	540	540		540	540	540	540	
Disposal Cost	\$2,376	\$0	\$11,167	\$32,670	\$5,940	\$0		\$6,890	\$64,033	\$2,495	\$5,940	
Total Cost Licensed Site	\$3,216	\$0	\$15,115	\$44,220	\$8,040	\$0		\$9,326	\$86,671	\$3,377	\$8,040	
Total Cost Transportation & Disposal	\$5,861	\$0	\$27,546	\$44,220	\$9,693	\$0	\$87,320	\$16,996	\$86,671	\$6,154	\$14,652	\$124,473
TOTAL COST	\$7,596	\$0	\$38,971	\$47,795	\$12,254	\$0	\$106,615	\$24,046	\$93,678	\$8,706	\$20,077	\$146,507
TOTAL COST - IRIGARAY AND CHRISTENSEN												\$253,122

Irigaray							Christensen						
Maint Area & Laboratory	Warehouse & Offices	Main Process Building	Expansion Building	Dry Pack Area	Restoration Building	Sub Total	Satellite Plant	Wellfield Modules	Booster Pump Bldgs.	Restoration Extension	Office Building	Warehouse	Sub Total

BUILDING DEMOLITION AND DISPOSAL

Structural Character	1 Story Steel Frame	1 Story Steel Frame	1 Story Steel Frame	1 Story Steel Frame	3 Story Steel/Masonry	1 Story Steel Frame		2 Story Steel Frame	1 Story Pre Fab (40)	1 Story Pre Fab (5)	2 Story Steel Frame	1 Story Pre-Fab	1 Story Steel Frame	
Demolition Volume (Ft³)	179400	108720	430400	386400	126000	69640		192000	172800	58400	104800	64800	11000	
Cost of Demolition Per Ft³	\$0.2600	\$0.2600	\$0.2600	\$0.2600	\$0.2600	\$0.2600		\$0.2600	\$0.2600	\$0.2600	\$0.2600	\$0.2600	\$0.2600	
Demolition Cost (\$)	\$46,644	\$28,267	\$111,904	\$100,464	\$32,760	\$18,106	\$338,146	\$49,920	\$44,928	\$15,184	\$27,248	\$16,848	\$2,860	\$156,988
Factor For Gutting	15.0%	10.0%	30.0%	10.0%	20.0%	10.0%		20.0%	0.0%	0.0%	20.0%	10.0%	10.0%	
Cost For Gutting (\$)	\$6,997	\$2,827	\$33,571	\$10,046	\$6,552	\$1,811	\$61,804	\$9,984	\$0	\$0	\$5,450	\$1,685	\$286	\$17,404
Weight (pounds)	158761	96212	380885	341947	111504	61628		169912	66660	28032	63717	38802	9735	
Weight per Truckload (Tons)	20	20	20	20	20	20		20	20	20	20	20	20	
Number of Truckloads	4.0	2.4	9.5	8.5	2.8	1.5		4.2	1.7	0.7	1.6	1.0	0.2	
Distance to Landfill	115	115	115	115	115	115		115	115	115	115	115	115	
Unit Cost (Ton/Mile)	\$0.21	\$0.21	\$0.21	\$0.21	\$0.21	\$0.21		\$0.21	\$0.21	\$0.21	\$0.21	\$0.21	\$0.21	
Transportation Cost per Truckload	\$483	\$483	\$483	\$483	\$483	\$483		\$483	\$483	\$483	\$483	\$483	\$483	
Transportation Cost (\$)	\$1,917	\$1,162	\$4,599	\$4,129	\$1,346	\$744	\$13,898	\$2,052	\$805	\$338	\$769	\$469	\$118	\$4,551
Disposal Cost per Truckload	\$1,170.00	\$1,170.00	\$1,170.00	\$1,170.00	\$1,170.00	\$1,170.00		\$1,170.00	\$1,170.00	\$1,170.00	\$1,170.00	\$1,170.00	\$1,170.00	
Disposal Cost (\$)	\$4,644	\$2,814	\$11,141	\$10,002	\$3,261	\$1,803	\$33,665	\$4,970	\$1,950	\$820	\$1,864	\$1,135	\$285	\$11,023
TOTAL COST	\$60,201	\$35,070	\$161,215	\$124,641	\$43,920	\$22,464	\$447,512	\$66,926	\$47,683	\$16,342	\$35,331	\$20,136	\$3,548	\$189,966
TOTAL COST IRIGARAY AND CHRISTENSEN														\$637,478

CONCRETE DECONTAMINATION, DEMOLITION & DISPOSAL

Area (Ft²)	8020	7100	17600	18400	5600	3600		9600	0	1800	5240	0	1000	
Average Thickness (Ft)	0.5	0.5	0.5	0.5	1	0.5		0.5	0.0	0.5	0.5	0.0	0.5	
Volume (Ft³)	4010	3550	8800	9200	5600	1800		4800	0	900	2620	0	500	
Percent Requiring Decontamination	0.0%	0.0%	100.0%	100.0%	100.0%	100.0%		100.0%	0.0%	100.0%	100.0%	0.0%	0.0%	
Percent Decontaminated	0.0%	0.0%	75.0%	75.0%	40.0%	75.0%		75.0%	0.0%	100.0%	100.0%	0.0%	0.0%	
Decontamination (\$/Ft²)	\$0.134	\$0.134	\$0.134	\$0.134	\$0.134	\$0.134		\$0.134	\$0.134	\$0.134	\$0.134	\$0.134	\$0.134	
Decontamination Cost	\$0	\$0	\$1,769	\$1,849	\$300	\$362	\$4,280	\$965	\$0	\$241	\$702	\$0	\$0	\$1,908
Demolition (\$/Ft²)	\$5.05	\$5.05	\$5.05	\$5.05	\$5.05	\$5.05		\$5.05	\$5.05	\$5.05	\$5.05	\$5.05	\$5.05	
Demolition Cost	\$40,501	\$35,855	\$88,880	\$92,920	\$28,280	\$18,180	\$304,616	\$48,480	\$0	\$9,090	\$26,462	\$0	\$5,050	\$89,082
Transportation & Disposal														
A. Onsite Disposal														
Percent to be Disposed Onsite	100%	100%	90%	90%	40%	90%		90%	0%	100%	100%	0%	100%	
Transportation Cost	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0	
Disposal Cost per Cubic Foot	\$0.260	\$0.260	\$0.260	\$0.260	\$0.260	\$0.260		\$0.260	\$0.260	\$0.260	\$0.260	\$0.260	\$0.260	
Disposal Cost (\$)	\$1,043	\$923	\$2,059	\$2,153	\$582	\$421	\$7,181	\$1,123	\$0	\$234	\$681	\$0	\$130	\$2,168
B. Licensed Site														
Percent to be Shipped	0%	0%	10%	10%	60%	10%		10%	100%	0%	0%	100%	0%	
Transportation Cost per Truckload	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100		\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	
Transportation Cost (\$)	\$0	\$0	\$3,422	\$3,578	\$13,067	\$700	\$20,767	\$1,867	\$0	\$0	\$0	\$0	\$0	\$1,867
Disposal Cost per Cubic Foot	\$3.70	\$3.70	\$3.70	\$3.70	\$3.70	\$3.70		\$3.70	\$3.70	\$3.70	\$3.70	\$3.70	\$3.70	
Quantity Per Truck Load (Yds³)	20	20	20	20	20	20		20	20	20	20	20	20	
Quantity Per Truck Load (Ft³)	540	540	540	540	540	540		540	540	540	540	540	540	
Disposal Cost (\$)	\$0	\$0	\$3,259	\$3,407	\$12,444	\$667	\$19,778	\$1,778	\$0	\$0	\$0	\$0	\$0	\$1,778
TOTAL COST	\$41,544	\$36,778	\$99,389	\$103,907	\$54,674	\$20,330	\$356,622	\$54,212	\$0	\$9,565	\$27,845	\$0	\$5,180	\$96,803
TOTAL COST IRIGARAY AND CHRISTENSEN														\$453,425

SOIL REMOVAL & DISPOSAL

Assume removal of 3" of Contaminated Soil under Primary Areas, Disposal at a Licensed facility.														
Removal with Loader (\$106/hr)	\$106	\$0	\$1,728	\$1,807	\$550	\$354	\$4,439	\$943	\$0	\$0	\$0	\$0	\$0	\$943
Quantity to be Shipped (Ft³)	0	0	4400	4600	1400	900		2400	0	0	0	0	0	
Transportation Cost per Truckload	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100		\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	
Transportation Cost (\$)	\$0	\$0	\$17,111	\$17,889	\$5,444	\$3,500	\$43,944	\$9,333	\$0	\$0	\$0	\$0	\$0	\$9,333
Disposal fee Per Cubic Foot (\$)	\$3.70	\$3.70	\$3.70	\$3.70	\$3.70	\$3.70		\$3.70	\$3.70	\$3.70	\$3.70	\$3.70	\$3.70	
Quantity per Truckload (Ft³)	540	540	540	540	540	540		540	540	540	540	540	540	
Disposal Cost (\$)	\$0	\$0	\$16,296	\$17,037	\$5,185	\$3,333	\$41,852	\$8,889	\$0	\$0	\$0	\$0	\$0	\$8,889
Removal, NPDES Pts.														
Quantity to be Shipped (Ft³)			559					5,030						
Transportation Cost per Truckload	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100		\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	

Uranium One USA, Inc.
2012-2013 Restoration and Reclamation Costs
Wyoming Operations
WORKSHEET 3

	Irigaray							Christensen							
	Maint Area & Laboratory	Warehouse & Offices	Main Process Building	Expansion Building	Dry Pack Area	Restoration Building	Sub Total	Satellite Plant	Wellfield Modules	Booster Pump Bldgs.	Restoration Extension	Office Building	Warehouse	Sub Total	
Transportation Cost (\$)	\$0	\$0	\$2,174	\$0	\$0	\$0	\$2,174	\$19,562	\$0	\$0	\$0	\$0	\$0	\$19,562	
Disposal fee Per Cubic Foot(\$)	\$3.70	\$3.70	\$3.70	\$3.70	\$3.70	\$3.70		\$3.70	\$3.70	\$3.70	\$3.70	\$3.70	\$3.70		
Quantity per Truckload (FT³)	540	540	540	540	540	540		540	540	540	540	540	540		
Disposal Cost (\$)	\$0	\$0	\$2,070	\$0	\$0	\$0	\$2,070	\$18,630	\$0	\$0	\$0	\$0	\$0	\$18,630	
Total Cost	\$0	\$0	\$39,379	\$36,733	\$11,180	\$7,187	\$94,479	\$57,356	\$0	\$0	\$0	\$0	\$0	\$57,356	
TOTAL COST	\$0	\$0	\$39,379	\$36,733	\$11,180	\$7,187	\$94,479	\$57,356	\$0	\$0	\$0	\$0	\$0	\$57,356	
TOTAL COST IRIGARAY AND CHRISTENSEN														\$151,835	

RADIATION SURVEY														
Area required (acres)	0.18	0.16	0.40	0.42	0.13	0.08		0.22	0.00	0.04	0.12	0.00	0.02	
Survey Cost (\$/acre)	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00		\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	
TOTAL SURVEY COST (\$)	\$96		\$210	\$220	\$67	\$43	\$636	\$115	\$0	\$21	\$63	\$0	\$12	\$211

TOTAL COST	\$101,841	\$71,848	\$300,194	\$265,501	\$109,840	\$50,023	\$899,248	\$178,610	\$47,683	\$25,929	\$63,239	\$20,136	\$8,740	\$344,337
TOTAL COST IRIGARAY AND CHRISTENSEN														\$1,243,584

Uranium One USA, Inc.
2012-2013 Restoration and Reclamation Costs
Wyoming Operations
WORKSHEET 4

POND RECLAMATION COST	Irigaray						Christensen					Permeate Pond
	Pond A	Pond B	Pond C	Pond D	Pond E	Pond RA	Pond RB	Brine Pond 1	Brine Pond 2	Brine Pond 3	Brine Pond 4	
POND SLUDGE:												
Average Sludge Depth (Ft)	0.000	0.156	0.000	0.156		0.156	0.156	0.166	0.222	0.143	0.068	0.000
Average Area of Sludge (Ft²)	50,604	50,604	50,604	50,604		64,299	64,299	20,909	20,909	20,909	20,909	-
Volume of Sludge (Ft³)	7,907	7,907	7,907	7,907		10,047	10,047	3,466	4,651	2,983	1,414	-
Volume of Sludge (Yds³)	0	293	0	293		372	372	128	172	110	52	0
Volume of Sludge Per Truck Load (Yds³)	20.0	20.0	20.0	20.0		20.0	20.0	20.0	20.0	20.0	20.0	20.0
# of Truck Loads of Sludge	0.0	14.7	0.0	14.7		18.6	18.6	6.4	8.6	5.5	2.6	0.0
Sludge Handling Cost Per Load (\$)	\$240.00	\$240.00	\$240.00	\$240.00		\$240.00	\$240.00	\$240.00	\$240.00	\$240.00	\$240.00	\$240.00
Total Sludge Handling Cost (\$)	\$0	\$3,528	\$0	\$3,528	\$0	\$4,464	\$4,464	\$1,536	\$2,064	\$1,320	\$624	\$0
Transportation & Disposal												
Percent To Be Shipped to Licensed Site	100.0%	100.0%	100.0%	100.0%		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Transportation Cost per Truckload	\$2,100	\$2,100	\$2,100	\$2,100		\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100
Transportation Cost (\$)	\$0	\$30,870	\$0	\$30,870		\$39,060	\$39,060	\$13,440	\$18,060	\$11,550	\$5,460	\$0
Disposal Cost Per Cubic Foot (\$)	\$11.00	\$11.00	\$11.00	\$11.00		\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00
Quantity Per Truck Load (Yds³)	20.0	20.0	20.0	20.0		20.0	20.0	20.0	20.0	20.0	20.0	20.0
Quantity Per Truck Load (Ft³)	540	540	540	540		540	540	540	540	540	540	540
Disposal Cost (\$)	\$0	\$87,318	\$0	\$87,318		\$110,484	\$110,484	\$38,016	\$51,084	\$32,670	\$15,444	\$0
Total Transportation & Disposal (\$)	\$0	\$118,188	\$0	\$118,188	\$0	\$149,544	\$149,544	\$51,456	\$69,144	\$44,220	\$20,904	\$0
TOTAL SLUDGE COST (\$)	\$0	\$121,716	\$0	\$121,716	\$0	\$154,008	\$154,008	\$52,992	\$71,208	\$45,540	\$21,528	\$0
POND LINER:												
Total Pond Area (Acres)	1.75	1.72	1.75	1.72		2.17	2.17	1.10	1.10	1.10	1.10	0.00
Total Pond Area (Ft²)	76230	74923.2	76230	74923.2		94525.2	94525.2	47916	47916	47916	47916	0
Factor For Sloping Sides	20.0%	20.0%	20.0%	20.0%		20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	0.0%
Total Liner Area (Ft²)	91476	89908	91476	89908		113430	113430	68660	57499	57499	57499	0
Liner Thickness (Mil)	180	30	180	180		180	30	180	30	30	30	0
Liner Thickness (Inches)	0.1800	0.0300	0.1800	0.1800		0.1800	0.0300	0.1800	0.0300	0.0300	0.0300	0
Liner Thickness (Ft)	0.0150	0.0025	0.0150	0.0150		0.0150	0.0025	0.0150	0.0025	0.0025	0.0025	0
"Swell" Factor	25.0%	25.0%	25.0%	25.0%		25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	0.0%
Liner Volume (Ft³)	1715	281	1715	1686		2127	354	1287	180	180	180	0
Truck Loads of Liner	3.2	0.5	3.2	3.1		3.9	0.7	2.4	0.3	0.3	0.3	0.0
Liner Handling Cost (\$)												
Labor Crew Cost per Hour (\$)	\$160	\$160	\$160	\$160		\$160	\$160	\$160	\$160	\$160	\$160	\$0
Hours per Load	2.0	2.0	2.0	2.0		2.0	2.0	2.0	2.0	2.0	2.0	0.0
Liner Handling Cost Per Load (\$)	\$320.36	\$320.36	\$320.36	\$320.36		\$320.36	\$320.36	\$320.36	\$320.36	\$320.36	\$320.36	\$0.00
Total Liner Handling Cost (\$)	\$1,025	\$160	\$1,025	\$993	\$0	\$1,249	\$224	\$769	\$96	\$96	\$96	\$0
Transportation & Disposal												
Percent To Be Shipped to Licensed Site	100.0%	100.0%	100.0%	100.0%		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Transportation Cost per Truckload	\$2,100	\$2,100	\$2,100	\$2,100		\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100
Transportation Cost (\$)	\$6,720	\$1,050	\$6,720	\$6,510		\$8,190	\$1,470	\$5,040	\$630	\$630	\$630	\$0
Disposal Cost Per Cubic Foot (\$)	\$11.00	\$11.00	\$11.00	\$11.00		\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00
Quantity Per Truck Load (Ft³)	540	540	540	540		540	540	540	540	540	540	540
Disposal Cost (\$)	\$19,008	\$2,970	\$19,008	\$18,414		\$23,166	\$4,158	\$14,256	\$1,782	\$1,782	\$1,782	\$0
Total Transportation & Disposal (\$)	\$25,728	\$4,020	\$25,728	\$24,924	\$0	\$31,356	\$5,628	\$19,296	\$2,412	\$2,412	\$2,412	\$0
TOTAL LINER COST (\$)	\$26,753	\$4,180	\$26,753	\$25,917	\$0	\$32,605	\$5,852	\$20,065	\$2,508	\$2,508	\$2,508	\$0
POND BACKFILL:												
Backfill required (Yds³)	8740	8580	8740	8580	2517	14617	16319	9048	9048	9048	9048	18070
Backfill Cost (\$/Yd³)	\$0.90	\$0.90	\$0.90	\$0.90	\$0.90	\$0.90	\$0.90	\$0.90	\$0.90	\$0.90	\$0.90	\$0.90
TOTAL BACKFILL COST (\$)	\$7,866	\$7,722	\$7,866	\$7,722	\$2,265	\$13,155	\$14,687	\$8,143	\$8,143	\$8,143	\$8,143	\$16,263
RADIATION SURVEY												
Areal required (acres)	1.75	1.72	1.75	1.72		2.90	2.17	1.10	1.10	1.10	1.10	0
Survey Cost (\$/acre)	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00
TOTAL SURVEY COST (\$)	\$910	\$894	\$910	\$894	\$0	\$1,508	\$1,128	\$572	\$572	\$572	\$572	\$0
LEAK DETECTION SYSTEM REMOVAL												
Volume of Gravel and Piping (Ft³) (Assume 3")								26,250				
Quantity per Truckload (Ft³)								540				
Quantity to be Shipped to Licensed Site (Loads)								49				
Transportation Cost per Truckload								\$2,100				
Transportation Cost (\$)								\$102,000				
Total Handling Cost per load								\$15,573				
Disposal Fee per Cubic Foot (\$)								\$11				
Disposal Cost (\$)								\$288,750				

Uranium One USA, Inc.
 2012-2013 Restoration and Reclamation Costs
 Wyoming Operations
 WORKSHEET 4

	Irigaray							Christensen					
	Pond A	Pond B	Pond C	Pond D	Pond E	Pond RA	Pond RB	Brine Pond 1	Brine Pond 2	Brine Pond 3	Brine Pond 4	Permeate Pond	
POND RECLAMATION COST													
TOTAL LEAK DETECTION SYSTEM REMOVAL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$406,323	\$0	\$0	\$0	\$0	\$406,323
TOTAL POND RECLAMATION COST	\$35,529	\$134,512	\$35,529	\$156,249	\$2,265	\$201,276	\$175,675	\$488,095	\$82,431	\$56,763	\$32,751	\$16,263	\$1,417,338

SUMMARY - IRIGARAY:

TOTAL SLUDGE COST (\$)	\$551,448
TOTAL LINER COST (\$)	\$122,060
TOTAL BACKFILL COST (\$)	\$61,283
TOTAL RADIATION SURVEY COST (\$)	\$6,244
LEAK DETECTION SYSTEM REMOVAL	\$0
TOTAL POND RECLAMATION COST	\$741,035

SUMMARY - CHRISTENSEN:

TOTAL SLUDGE COST (\$)	\$191,268
TOTAL LINER COST (\$)	\$27,589
TOTAL BACKFILL COST (\$)	\$48,835
TOTAL RADIATION SURVEY COST (\$)	\$2,288
LEAK DETECTION SYSTEM REMOVAL	\$406,323
TOTAL POND RECLAMATION COST	\$676,303
TOTAL PROJECT COST - CR and IR (\$)	\$1,417,338

Uranium One USA, Inc.
2012-2013 Restoration and Reclamation Costs
Wyoming Operations
WORKSHEET 5

WELL PLUGGING AND ABANDONMENT	Irigaray				Christensen									
	Mine Units	517 USMT	Monitor/	Sub Total	Mine Units									
	#1 Thru #9	Test Sites	Trend		#2	#3	#4	#5	#6	#7	#8	#10	#11	Sub Total
Number of Wells	0	11		11										
Production / Injection Wells (Inclusive of					286	443	211	322	380	556	780	378	288	2978
Misc. Baseline / Regional Wells)					50	47	33	72	64	66	76	71	87	408
Monitor Wells (Shallow, Deep, Perimeter)					336	490	244	394	444	622	856	449	375	3386
Total					345	300	430	450	520	550	375	500	500	
Average Depth	250	250	250		4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	
Average Diameter	4.5	4.5	4.5		4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	
Materials														
Bentonite Chips Required (Ft ³ /Well)	11.4	11.4	11.4		11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	
Bags of Chips Required/Well	15.0	15.0	15.0		15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	
Cost Per Bag (\$)	\$5.10	\$5.10	\$5.10		\$5.10	\$5.10	\$5.10	\$5.10	\$5.10	\$5.10	\$5.10	\$5.10	\$5.10	
Cost/Well Bentonite Chips (\$)	\$76.50	\$76.50	\$76.50		\$76.50	\$76.50	\$76.50	\$76.50	\$76.50	\$76.50	\$76.50	\$76.50	\$76.50	
Gravel Fill Required (Ft ³ /Well)	15.7	15.7	15.7		26.5	21.5	35.9	38.1	45.8	49.1	24.9	25.9	26.9	
Gravel Fill Required (Yd ³ /Well)	0.58	0.58	0.58		0.98	0.80	1.33	1.41	1.70	1.82	0.92	0.96	1.00	
Cost of Gravel/Yd ³ (\$)	\$20.00	\$20.00	\$20.00		\$20.00	\$20.00	\$20.00	\$20.00	\$20.00	\$20.00	\$20.00	\$21.00	\$22.00	
Cost/Well Gravel Fill (\$)	\$11.63	\$11.63	\$11.63		\$19.63	\$15.93	\$26.59	\$28.22	\$33.93	\$36.37	\$18.44	\$20.14	\$21.92	
Cement Cone/Markers Req'd/Well	1.0	1.0	1.0		1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0	
Cost of Cement Cones/Markers (\$)	\$7.50	\$7.50	\$7.50		\$7.50	\$7.50	\$7.50	\$7.50	\$7.50	\$7.50	\$7.50	\$7.50	\$7.50	
Total Materials Cost per Well	\$95.63	\$95.63	\$95.63		\$103.63	\$99.93	\$110.59	\$112.22	\$117.93	\$120.37	\$102.44	\$104.14	\$105.92	
Labor														
Hours Required per Well	1.0	1.0	1.0		1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0	
Labor Cost per Hour	\$54.12	\$54.12	\$54.12		\$54.12	\$54.12	\$54.12	\$54.12	\$54.12	\$54.12	\$54.12	\$54.12	\$54.12	
Total Labor Cost per Well (\$)	\$54.12	\$54.12	\$54.12		\$54.12	\$54.12	\$54.12	\$54.12	\$54.12	\$54.12	\$54.12	\$108.24	\$162.36	
Equipment Rental														
Hours Required per Well	1.0	1.0	1.0		1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0	
Backhoe w/Operator Cost/Hr (\$)	\$55.61	\$55.61	\$55.61		\$55.61	\$55.61	\$55.61	\$55.61	\$55.61	\$55.61	\$55.61	\$0.00	\$0.00	
Total Equipment Cost per Well (\$)	\$55.61	\$55.61	\$55.61		\$55.61	\$55.61	\$55.61	\$55.61	\$55.61	\$55.61	\$55.61	\$0.00	\$0.00	
Total Cost per Well (\$)	\$205.36	\$205.36	\$205.36		\$213.36	\$209.66	\$220.32	\$221.95	\$227.66	\$230.10	\$212.17	\$212.38	\$268.28	
\$72,485														
TOTAL WELL ABANDONMENT COST (\$)	\$0	\$2,259	\$0	\$2,259	\$71,689	\$102,731	\$53,759	\$87,449	\$101,079	\$143,122	\$181,621	\$95,361	\$100,604	\$937,416
GRAND TOTAL IRIGARAY AND CHRISTENSEN														\$939,675

WELLFIELD EQUIPMENT REMOVAL & DISPOSAL

	Irigaray Mine Unit(s) #1 Thru #9	Christensen Mine Units #2 Thru #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8	Christensen Mine Unit #10	Christensen Mine Unit #11	Total Christensen & Irigaray
I Wellfield Piping									
A. Removal									
Length/Well (Ft)	100	300	300	300	500	800	800	800	
Total Number of Wells	602	940	322	380	556	780	378	288	
Total Quantity (Ft)	60200	282000	96600	114000	278000	624000	302400	230400	
Cost of Removal (\$/Ft)	\$0.202	\$0.202	\$0.202	\$0.202	\$0.202	\$0.202	\$0.202	\$0.202	
Cost of Removal (\$)	\$12,160	\$56,964	\$19,513	\$23,028	\$56,156	\$126,048	\$61,085	\$46,541	\$401,495
Average OD (Inches)	3.0	3.0	3.0	3.0	1.0	1.0	1.0	1.0	
Chipped Volume Reduction (Ft³/Ft)	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	
Chipped Volume (Ft³)	963	4,512	1,546	1,824	4,448	9,984	4,838	3,686	
Quantity Per Truck Load (Ft³)	540	540	540	540	540	540	540	540	
Total Number of Truck Loads	1.8	8.4	2.9	3.4	8.2	18.5	9.0	6.8	
B. Survey & Decontamination									
Percent Requiring Decontamination	0%	0%	0%	0%	0%	0%	0%	0%	
Loads for Decontamination	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Cost for Decontamination (\$/Load)	\$435.00	\$435.00	\$435.00	\$435.00	\$435.00	\$435.00	\$435.00	\$435.00	
Cost for Decontamination (\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C. Transport & Disposal									
1.) Landfill									
a. Transportation									
Percent To Be Shipped	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Loads To Be Shipped	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Transportation Cost per Load	\$1,170	\$1,170	\$1,170	\$1,170	\$1,170	\$1,170	\$1,170	\$1,170	
Transportation Cost (\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
b. Disposal									
Disposal Fee Per Yd³	\$58.50	\$58.50	\$58.50	\$58.50	\$58.50	\$58.50	\$58.50	\$58.50	
Yds³ Per Load	20	20	20	20	20	20	20	20	
Disposal Cost (\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Total Cost - Landfill	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.) Licensed Site									
a. Transportation									
Percent To Be Shipped	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
Loads To Be Shipped	1.8	8.4	2.9	3.4	8.2	18.5	9.0	6.8	
Transportation Cost per Load	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	
Transportation Cost (\$)	\$3,780	\$17,640	\$6,090	\$7,140	\$17,220	\$38,850	\$18,900	\$14,280	\$123,900
b. Disposal									
Disposal Cost Per Ft³	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	
Disposal Fee Per Yd³	\$297.00	\$297.00	\$297.00	\$297.00	\$297.00	\$297.00	\$297.00	\$297.00	
Quantity Per Truck Load (Yds³)	20	20	20	20	20	20	20	20	
Disposal Cost (\$)	\$10,692	\$49,896	\$17,226	\$20,196	\$48,708	\$109,890	\$53,460	\$40,392	\$350,460
Total Cost - Licensed Site	\$14,472	\$67,536	\$23,316	\$27,336	\$65,928	\$148,740	\$72,360	\$54,672	\$474,360
Total Cost - Transport & Disposal	\$14,472	\$67,536	\$23,316	\$27,336	\$65,928	\$148,740	\$72,360	\$54,672	\$474,360
Total Cost - WF Piping Removal & Disposal	\$26,632	\$124,500	\$42,829	\$50,364	\$122,084	\$274,788	\$133,445	\$101,213	\$875,855
II Production Well Pumps									
A. Pump and Tubing Removal									
Number of Production Wells	0	348	134	178	167	264	158	96	
Cost of Removal (\$/well)	\$60.91	\$60.91	\$60.91	\$60.91	\$60.91	\$60.91	\$60.91	\$60.91	
Cost of Removal (\$)	\$0	\$21,195	\$8,161	\$10,841	\$10,171	\$16,079	\$9,623	\$5,847	\$81,917
Number of Pumps Per Truck Load	180	180	180	180	180	180	180	180	
Number of Truck Loads (Pumps)	0.0	1.9	0.7	1.0	0.9	1.5	0.9	0.5	
B. Survey & Decontamination (Pumps)									
Percent Requiring Decontamination	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	
Loads for Decontamination	0.0	1.0	0.4	0.5	0.5	0.8	0.5	0.3	
Cost for Decontamination (\$/Load)	\$435.00	\$435.00	\$435.00	\$435.00	\$435.00	\$435.00	\$435.00	\$435.00	
Cost for Decontamination (\$)	\$0	\$435	\$174	\$218	\$218	\$348	\$218	\$131	\$1,740
C. Tubing Volume Reduction & Loading									
Length per Well (Ft)	100	300	300	450	500	230	500	500	
Total Quantity (Ft)	0	104,400	40,200	80,100	83,500	60,720	79,000	48,000	
Cost of Removal (\$/Ft)	\$0.025	\$0.025	\$0.025	\$0.025	\$0.025	\$0.025	\$0.025	\$0.025	
Cost of Removal (\$)	\$0	\$2,610	\$1,005	\$2,003	\$2,088	\$1,518	\$1,975	\$1,200	\$12,398
Average OD (Inches)	3.0	3.0	3.0	3.0	1.0	1.0	1.0	1.0	
Chipped Volume Reduction (Ft³/Ft)	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	
Chipped Volume (Ft³)	0	1,670	643	1,282	1,336	972	1,264	768	

WELLFIELD EQUIPMENT REMOVAL & DISPOSAL	Irigaray Mine Unit(s) #1 Thru #9	Christensen Mine Units #2 Thru #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8	Christensen Mine Unit #10	Christensen Mine Unit #11	Total Christensen & Irigaray
Quantity per Truckload (Ft³)	540	540	540	540	540	540	540	540	
Number of Truck Loads	0.0	3.1	1.2	2.4	2.5	1.8	2.3	1.4	
D. Transport & Disposal									
1.) Landfill									
a. Transportation									
Percent To Be Shipped (Pumps)	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	
Loads To Be Shipped	0.0	1.0	0.4	0.5	0.5	0.8	0.5	0.3	
Transportation Cost per Load	\$1,170	\$1,170	\$1,170	\$1,170	\$1,170	\$1,170	\$1,170	\$1,170	
Transportation Cost (\$)	\$0	\$1,170	\$468	\$585	\$585	\$936	\$585	\$351	\$4,680
b. Disposal									
Disposal Fee Per Yd³	\$58.50	\$58.50	\$58.50	\$58.50	\$58.50	\$58.50	\$58.50	\$58.50	
Yds³ Per Load	20	20	20	20	20	20	20	20	
Disposal Cost (\$)	\$0	\$1,170	\$468	\$585	\$585	\$936	\$585	\$351	\$4,680
Total Cost - Landfill	\$0	\$2,340	\$936	\$1,170	\$1,170	\$1,872	\$1,170	\$702	\$9,360
2.) Licensed Site									
a. Transportation									
Percent To Be Shipped (Pumps)	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	
Percent To Be Shipped (Tubing)	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
Loads To Be Shipped	0.0	4.0	1.5	2.9	2.9	2.5	2.8	1.7	
Transportation Cost per Load	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	
Transportation Cost (\$)	\$0	\$8,491	\$3,236	\$6,034	\$6,141	\$5,353	\$5,861	\$3,512	\$38,627
b. Disposal									
Disposal Cost Per Ft³	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	
Disposal Fee Per Yd³	\$297.00	\$297.00	\$297.00	\$297.00	\$297.00	\$297.00	\$297.00	\$297.00	
Quantity Per Truck Load (Yds³)	20	20	20	20	20	20	20	20	
Disposal Cost (\$)	\$0	\$24,017	\$9,154	\$17,068	\$17,369	\$15,142	\$16,577	\$9,933	\$109,260
Total Cost - Licensed Site	\$0	\$32,508	\$12,391	\$23,102	\$23,510	\$20,495	\$22,438	\$13,445	\$147,887
Total Cost - Transport & Disposal	\$0	\$34,848	\$13,327	\$24,272	\$24,680	\$22,367	\$23,608	\$14,147	\$157,247
Total Cost - Pump Removal & Disposal	\$0	\$59,088	\$22,667	\$37,333	\$37,156	\$40,312	\$35,423	\$21,324	\$253,302
III Surface Trunkline Piping									
A. Removal									
Total Quantity (Ft)	0	0	0	0	0	0	0	0	
Cost of Removal (\$/Ft)	\$0.146	\$0.146	\$0.146	\$0.146	\$0.146	\$0.146	\$0.146	\$0.146	
Cost of Removal (\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Average OD (Inches)	8.750	8.750	0.000	0.000	0.000	0.000	0.000	0.000	
Chipped Volume Reduction (Ft³/Ft)	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.088	
Chipped Volume (Ft³)	0	0	0	0	0	0	0	0	
Quantity Per Truck Load (Ft³)	540	540	540	540	540	540	540	540	
Total Number of Truck Loads	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
B. Survey & Decontamination									
Percent Requiring Decontamination	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Loads for Decontamination	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Cost for Decontamination (\$/Load)	\$435.00	\$435.00	\$435.00	\$435.00	\$435.00	\$435.00	\$435.00	\$435.00	
Cost for Decontamination (\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C. Transport & Disposal									
1.) Landfill									
a. Transportation									
Percent To Be Shipped	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Loads To Be Shipped	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Transportation Cost per Load	\$1,170	\$1,170	\$1,170	\$1,170	\$1,170	\$1,170	\$1,170	\$1,170	
Transportation Cost (\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
b. Disposal									
Disposal Fee Per Yd³	\$58.50	\$58.50	\$58.50	\$58.50	\$58.50	\$58.50	\$58.50	\$58.50	
Yds³ Per Load	20	20	20	20	20	20	20	20	
Disposal Cost (\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Cost - Landfill	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.) Licensed Site									
a. Transportation									
Percent To Be Shipped	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
Loads To Be Shipped	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Transportation Cost per Load	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	
Transportation Cost (\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
b. Disposal									
Disposal Cost Per Ft³	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	
Disposal Fee Per Yd³	\$297.00	\$297.00	\$297.00	\$297.00	\$297.00	\$297.00	\$297.00	\$297.00	

Uranium One USA, Inc.
 2012-2013 Restoration and Reclamation Costs
 Wyoming Operations
 WORKSHEET 6

	Irigaray Mine Unit(s) #1 Thru #9	Christensen Mine Units #2 Thru #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8	Christensen Mine Unit #10	Christensen Mine Unit #11	Total Christensen & Irigaray
WELLFIELD EQUIPMENT REMOVAL & DISPOSAL									
Quantity Per Truck Load (Yds*)	20	20	20	20	20	20	20	20	
Disposal Cost (\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Cost - Licensed Site	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Recirculation Phase \$0.863 per Kgal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Cost - Surface Trunkline Removal & Disposal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
IV Buried Trunkline									
A. Removal									
Total Quantity (Ft)	0	11565	24500	47000	28500	43500	44600	20000	
Cost of Removal (\$/Ft)	\$3.12	\$3.12	\$3.12	\$3.12	\$3.12	\$3.12	\$3.12	\$3.12	
Cost of Removal (\$)	\$0	\$36,083	\$76,440	\$146,640	\$88,920	\$135,720	\$139,152	\$62,400	\$685,355
Average OD (Inches)	8.750	8.750	8.750	12.000	12.000	12.000	14.000	14.000	
Chipped Volume Reduction (Ft³/Ft)	0.088	0.088	0.088	0.130	0.130	0.130	0.152	0.152	
Chipped Volume (Ft³)	0	1018	2156	6110	3705	5655	6779.2	3040	
Quantity Per Truck Load (Ft³)	540	540	540	540	540	540	540	540	
Number of Truck Loads	0.0	1.9	4.0	11.3	6.9	10.5	12.6	5.6	
B. Survey & Decontamination									
Percent Requiring Decontamination	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Loads for Decontamination	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Cost for Decontamination (\$/Load)	\$435.00	\$435.00	\$435.00	\$435.00	\$435.00	\$435.00	\$435.00	\$435.00	
Cost for Decontamination (\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C. Transport & Disposal									
1.) Landfill									
a. Transportation									
Percent To Be Shipped	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Loads To Be Shipped	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Transportation Cost per Load	\$1,170	\$1,170	\$1,170	\$1,170	\$1,170	\$1,170	\$1,170	\$1,170	
Transportation Cost (\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
b. Disposal									
Disposal Fee Per Yd³	\$58.50	\$58.50	\$58.50	\$58.50	\$58.50	\$58.50	\$58.50	\$58.50	
Yds³ Per Load	20	20	20	20	20	20	20	20	
Disposal Cost (\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Cost - Landfill	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.) Licensed Site									
a. Transportation									
Percent To Be Shipped	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
Loads To Be Shipped	0.0	1.9	4.0	11.3	6.9	10.5	12.6	5.6	
Transportation Cost per Load	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	
Transportation Cost (\$)	\$0	\$3,990	\$8,400	\$23,730	\$14,490	\$22,050	\$26,460	\$11,760	\$110,880
b. Disposal									
Disposal Cost Per Ft³	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	
Disposal Fee Per Yd³	\$297.00	\$297.00	\$297.00	\$297.00	\$297.00	\$297.00	\$297.00	\$297.00	
Quantity Per Truck Load (Yds³)	20	20	20	20	20	20	20	20	
Disposal Cost (\$)	\$0	\$11,286	\$23,760	\$67,122	\$40,986	\$62,370	\$74,844	\$33,264	\$313,632
Total Cost - Licensed Site	\$0	\$15,276	\$32,160	\$90,852	\$55,476	\$84,420	\$101,304	\$45,024	\$424,512
Total Cost - Transport & Disposal	\$0	\$15,276	\$32,160	\$90,852	\$55,476	\$84,420	\$101,304	\$45,024	\$424,512
Total Cost - Buried Trunkline Removal & Disposal	\$0	\$51,359	\$108,600	\$237,492	\$144,396	\$220,140	\$240,456	\$107,424	\$1,109,867
V Manholes									
A. Removal									
Total Quantity	0	8	5	11	5	15	12	4	
Cost of Removal (\$ Each)	\$117.00	\$149.51	\$149.51	\$149.51	\$149.51	\$149.51	\$149.51	\$149.51	
Cost of Removal (\$)	\$0	\$1,196	\$748	\$1,645	\$748	\$2,243	\$1,794	\$598	\$8,971
Quantity Per Truck Load	10	10	10	10	10	10	10	10	
Number of Truck Loads	0.0	0.8	0.5	1.1	0.5	1.5	1.2	0.4	
B. Survey & Decontamination									
Percent Requiring Decontamination	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Loads for Decontamination	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Cost for Decontamination (\$/Load)	\$435.00	\$435.00	\$435.00	\$435.00	\$435.00	\$435.00	\$435.00	\$435.00	
Cost for Decontamination (\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C. Transport & Disposal									
1.) Landfill									
a. Transportation									
Percent To Be Shipped	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Loads To Be Shipped	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Transportation Cost per Load	\$1,170	\$1,170	\$1,170	\$1,170	\$1,170	\$1,170	\$1,170	\$1,170	

Uranium One USA, Inc.
2012-2013 Restoration and Reclamation Costs
Wyoming Operations
WORKSHEET 6

	Irigaray Mine Unit(s) #1 Thru #9	Christensen Mine Units #2 Thru #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8	Christensen Mine Unit #10	Christensen Mine Unit #11	Total Christensen & Irigaray
WELLFIELD EQUIPMENT REMOVAL & DISPOSAL									
Transportation Cost (\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
b. Disposal									
Disposal Fee Per Yd ³ (\$)	\$58.50	\$58.50	\$58.50	\$58.50	\$58.50	\$58.50	\$58.50	\$58.50	
Yds ³ Per Load	20	20	20	20	20	20	20	20	
Disposal Cost (\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Cost - Landfill	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.) Licensed Site									
a. Transportation									
Percent To Be Shipped	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Loads To Be Shipped	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Transportation Cost per Load	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	
Transportation Cost (\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
b. Disposal									
Disposal Cost Per Ft ³	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	
Disposal Fee Per Yd ³	\$297.00	\$297.00	\$297.00	\$297.00	\$297.00	\$297.00	\$297.00	\$297.00	
Quantity Per Truck Load (Yds ³)	20	20	20	20	20	20	20	20	
Disposal Cost (\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Cost - Licensed Site	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Cost - Transport & Disposal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Cost Manhole Removal & Disposal	\$0	\$1,196	\$748	\$1,645	\$748	\$2,243	\$1,794	\$598	\$8,971
TOTAL COST - WELLFIELD EQUIP REMOVAL & DISP	\$26,632	\$236,143	\$174,844	\$326,833	\$304,383	\$537,482	\$411,118	\$230,559	\$2,247,995

Uranium One USA, Inc.
2012-2013 Restoration and Reclamation Costs
Wyoming Operations
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	Irigaray Mine Unit(s) #1 Thru #9	Christensen Mine Units #2 Thru #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8	Christensen Mine Unit #10	Christensen Mine Unit #11	Total Christensen & Irigaray
TOPSOIL REPLACEMENT & REVEGETATION									
I Process Plant and Office Building									
A. Topsoil Handling & Grading									
Affected Area (Acres)	5.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	
Average Affected Thickness (Ins)	12.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	
Topsoil Volume (Yds³)	8067	4033	0	0	0	0	0	0	
Unit Cost - Haul/Place (\$/Yd³)	\$0.90	\$0.90	\$0.90	\$0.90	\$0.90	\$0.90	\$0.90	\$0.90	
Topsoil Handling Cost (\$)	\$7,260	\$3,630	\$0	\$0	\$0	\$0	\$0	\$0	
Unit Cost - Grading (\$/Ac)	\$74.52	\$74.52	\$74.52	\$74.52	\$74.52	\$74.52	\$74.52	\$74.52	
Grading Cost (\$)	\$373	\$186	\$0	\$0	\$0	\$0	\$0	\$0	
Sub Total - Topsoil	\$7,633	\$3,816	\$0	\$0	\$0	\$0	\$0	\$0	\$11,449
B. Radiation Survey & Soil Analysis									
Unit Cost (\$/Ac)	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	
Sub Total - Survey & Analysis	\$2,600	\$1,300	\$0	\$0	\$0	\$0	\$0	\$0	\$3,900
C. Revegetation									
Fertilizer (\$/Ac)	\$46.49	\$46.49	\$46.49	\$46.49	\$46.49	\$46.49	\$46.49	\$46.49	
Seeding Prep & Seeding (\$/Ac)	\$280.00	\$280.00	\$280.00	\$280.00	\$280.00	\$280.00	\$280.00	\$280.00	
Mulching & Crimping (\$/Ac)	\$276.54	\$276.54	\$276.54	\$276.54	\$276.54	\$276.54	\$276.54	\$276.54	
Sub Total Cost/Acre	\$603.03	\$603.03	\$603.03	\$603.03	\$603.03	\$603.03	\$603.03	\$603.03	
Sub Total - Revegetation	\$3,015	\$1,508	\$0	\$0	\$0	\$0	\$0	\$0	\$4,523
Sub Total - Process Plant and Office Bldg.	\$13,248	\$6,624	\$0	\$0	\$0	\$0	\$0	\$0	\$19,872
II Ponds									
A. Topsoil Handling & Grading									
Affected Area (Acres)	20.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	
Average Affected Thickness (Ins)	12	12	0	0	0	0	0	0	
Topsoil Volume (Yds³)	32267	19360	0	0	0	0	0	0	
Unit Cost - Haul/Place (\$/Yd³)	\$0.90	\$0.90	\$0.90	\$0.90	\$0.90	\$0.90	\$0.90	\$0.90	
Topsoil Handling Cost (\$)	\$29,040	\$17,424	\$0	\$0	\$0	\$0	\$0	\$0	
Unit Cost - Grading (\$/Ac)	\$74.52	\$74.52	\$74.52	\$74.52	\$74.52	\$74.52	\$74.52	\$74.52	
Grading Cost (\$)	\$1,490	\$894	\$0	\$0	\$0	\$0	\$0	\$0	
Sub Total - Topsoil	\$30,530	\$18,318	\$0	\$0	\$0	\$0	\$0	\$0	\$48,849
B. Radiation Survey & Soil Analysis									
Unit Cost (\$/Ac)	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	
Sub Total - Survey & Analysis	\$10,400	\$6,240	\$0	\$0	\$0	\$0	\$0	\$0	\$16,640
C. Revegetation									
Fertilizer (\$/Ac)	\$46.49	\$46.49	\$46.49	\$46.49	\$46.49	\$46.49	\$46.49	\$46.49	
Seeding Prep & Seeding (\$/Ac)	\$280.00	\$280.00	\$280.00	\$280.00	\$280.00	\$280.00	\$280.00	\$280.00	
Mulching & Crimping (\$/Ac)	\$276.54	\$276.54	\$276.54	\$276.54	\$276.54	\$276.54	\$276.54	\$276.54	
Sub Total Cost/Acre	\$603.03	\$603.03	\$603.03	\$603.03	\$603.03	\$603.03	\$603.03	\$603.03	
Sub Total - Revegetation	\$12,061	\$7,236	\$0	\$0	\$0	\$0	\$0	\$0	\$19,297
Sub Total - Ponds	\$52,991	\$31,795	\$0	\$0	\$0	\$0	\$0	\$0	\$84,786
III Wellfields									
A. Topsoil Handling & Grading									
Affected Area (Acres)	40.0	55.0	30.0	50.0	35.0	40.0	35.0	15.0	
Average Affected Thickness (Ins)	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	
Topsoil Volume (Yds³)	18822	25881	14117	23528	16469	18822	16469	7058	
Unit Cost - Haul/Place (\$/Yd³)	\$0.90	\$0.90	\$0.90	\$0.90	\$0.90	\$0.90	\$0.90	\$0.90	
Topsoil Handling Cost (\$)	\$16,940	\$23,293	\$12,705	\$21,175	\$14,823	\$16,940	\$14,823	\$6,353	
Unit Cost - Grading (\$/Ac)	\$74.52	\$74.52	\$74.52	\$74.52	\$74.52	\$74.52	\$74.52	\$74.52	
Grading Cost (\$)	\$2,981	\$4,099	\$2,236	\$3,726	\$2,608	\$2,981	\$2,608	\$1,118	
Sub Total - Topsoil	\$19,921	\$27,391	\$14,941	\$24,901	\$17,431	\$19,921	\$17,431	\$7,470	\$149,406
B. Radiation Survey & Soil Analysis									
Unit Cost (\$/Ac)	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	
Sub Total - Survey & Analysis	\$20,800	\$28,600	\$15,600	\$26,000	\$18,200	\$20,800	\$18,200	\$7,800	\$156,000
C. Spill Cleanup									
Affected Area (Acres)		0.036	0	0	0	0	0	0	
Affected Area (ft²)		1,568	0	0	0	0	0	0	
Average Affected Thickness (ft)		0.25	0	0	0	0	0	0	
Affected Volume (ft³)		392	0	0	0	0	0	0	
Quantity per Truckload (ft³)		540	540	540	540	540	540	540	
Quantity to be Shipped (Loads)		0.7	0.0	0.0	0.0	0.0	0.0	0.0	
Transportation Cost per Load		\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	
Transportation Cost (\$)		\$1,524	\$0	\$0	\$0	\$0	\$0	\$0	
Handling Cost (\$240/load)		\$174	\$0	\$0	\$0	\$0	\$0	\$0	
Disposal Fee per Cubic Foot (\$)		\$3.70	\$3.70	\$3.70	\$3.70	\$3.70	\$3.70	\$3.70	
Disposal Cost (\$)		\$1,452	\$0	\$0	\$0	\$0	\$0	\$0	

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2012-2013 Restoration and Reclamation Costs
Wyoming Operations
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	Irigaray Mine Unit(s) #1 Thru #9	Christensen Mine Units #2 Thru #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8	Christensen Mine Unit #10	Christensen Mine Unit #11	Total Christensen & Irigaray
TOPSOIL REPLACEMENT & VEGETATION									
Sub Total - Spill Cleanup	\$0	\$3,151	\$0	\$0	\$0	\$0	\$0	\$0	\$3,151
D. Revegetation									
Fertilizer (\$/Ac)	\$46.49	\$46.49	\$46.49	\$46.49	\$46.49	\$46.49	\$46.49	\$46.49	
Seeding Prep & Seeding (\$/Ac)	\$280.00	\$280.00	\$280.00	\$280.00	\$280.00	\$280.00	\$280.00	\$280.00	
Mulching & Crimping (\$/Ac)	\$276.54	\$276.54	\$276.54	\$276.54	\$276.54	\$276.54	\$276.54	\$276.54	
Sub Total Cost/Acre	\$603.03	\$603.03	\$603.03	\$603.03	\$603.03	\$603.03	\$603.03	\$603.03	
Sub Total - Revegetation	\$24,121	\$33,167	\$18,091	\$30,152	\$21,106	\$24,121	\$21,106	\$9,045	\$180,909
Sub Total - Wellfields (\$)	\$64,842	\$92,308	\$48,632	\$81,053	\$56,737	\$64,842	\$56,737	\$24,316	\$489,466
IV Roads									
A. Topsoil Handling & Grading									
Affected Area (Acres)	25.0	20.0	15.0	21.0	12.0	15.0	10.0	5.0	
Average Affected Thickness (Ins)	12	12	12	12	12	12	12	12	
Topsoil Volume (Yds³)	40333	32267	24200	33880	19360	24200	16133	8067	
Unit Cost - Haul/Place (\$/Yd³)	\$0.90	\$0.90	\$0.90	\$0.90	\$0.90	\$0.90	\$0.90	\$0.90	
Topsoil Handling Cost (\$)	\$36,300	\$29,040	\$21,780	\$30,492	\$17,424	\$21,780	\$14,520	\$7,260	
Unit Cost - Grading (\$/Ac)	\$74.52	\$74.52	\$74.52	\$74.52	\$74.52	\$74.52	\$74.52	\$74.52	
Grading Cost (\$)	\$1,863	\$1,490	\$1,118	\$1,565	\$894	\$1,118	\$745	\$373	
Sub Total - Topsoil	\$38,163	\$30,530	\$22,898	\$32,057	\$18,318	\$22,898	\$15,265	\$7,633	\$187,762
B. Radiation Survey & Soil Analysis									
Unit Cost (\$/Ac)	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	
Sub Total - Survey & Analysis	\$13,000	\$10,400	\$7,800	\$10,920	\$6,240	\$7,800	\$5,200	\$2,600	\$63,960
C. Revegetation									
Fertilizer (\$/Ac)	\$46.49	\$46.49	\$46.49	\$46.49	\$46.49	\$46.49	\$46.49	\$46.49	
Seeding Prep & Seeding (\$/Ac)	\$280.00	\$280.00	\$280.00	\$280.00	\$280.00	\$280.00	\$280.00	\$280.00	
Mulching & Crimping (\$/Ac)	\$276.54	\$276.54	\$276.54	\$276.54	\$276.54	\$276.54	\$276.54	\$276.54	
Sub Total Cost/Acre	\$603.03	\$603.03	\$603.03	\$603.03	\$603.03	\$603.03	\$603.03	\$603.03	
Sub Total - Revegetation	\$15,076	\$12,061	\$9,045	\$12,664	\$7,236	\$9,045	\$6,030	\$3,015	\$74,173
Sub Total - Roads (\$)	\$66,239	\$52,991	\$39,743	\$55,641	\$31,795	\$39,743	\$26,496	\$13,248	\$325,895
V Other									
A. Topsoil Handling & Grading									
Affected Area (Acres)	41.0	19.0	5.0	5.0	5.0	5.0	5.0	5.0	
Average Affected Thickness (Ins)	0.0	0.0	0	0	0	0	0	0	
Topsoil Volume (Yds³)	0	0	0	0	0	0	0	0	
Unit Cost - Haul/Place (\$/Yd³)	\$0.90	\$0.90	\$0.90	\$0.90	\$0.90	\$0.90	\$0.90	\$0.90	
Topsoil Handling Cost (\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Unit Cost - Grading (\$/Ac)	\$74.52	\$74.52	\$74.52	\$74.52	\$74.52	\$74.52	\$74.52	\$74.52	
Grading Cost (\$)	\$3,055	\$1,416	\$373	\$373	\$373	\$373	\$373	\$373	
Sub Total - Topsoil	\$3,055	\$1,416	\$373	\$373	\$373	\$373	\$373	\$373	\$6,707
B. Radiation Survey & Soil Analysis									
Unit Cost (\$/Ac)	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	\$520.00	
Sub Total - Survey & Analysis	\$21,320	\$9,880	\$2,600	\$2,600	\$2,600	\$2,600	\$2,600	\$2,600	\$46,800
C. Revegetation									
Fertilizer (\$/Ac)	\$46.49	\$46.49	\$46.49	\$46.49	\$46.49	\$46.49	\$46.49	\$46.49	
Seeding Prep & Seeding (\$/Ac)	\$280.00	\$280.00	\$280.00	\$280.00	\$280.00	\$280.00	\$280.00	\$280.00	
Mulching & Crimping (\$/Ac)	\$276.54	\$276.54	\$276.54	\$276.54	\$276.54	\$276.54	\$276.54	\$276.54	
Sub Total Cost/Acre	\$603.03	\$603.03	\$603.03	\$603.03	\$603.03	\$603.03	\$603.03	\$603.03	
Sub Total - Revegetation	\$24,724	\$11,458	\$3,015	\$3,015	\$3,015	\$3,015	\$3,015	\$3,015	\$54,273
Sub Total - Other	\$49,100	\$22,753	\$5,988	\$5,988	\$5,988	\$5,988	\$5,988	\$5,988	\$107,780
VI Remedial Action									
A. Topsoil Handling & Grading									
Affected Area (Acres)	65.5	54.3	25.0	38.0	26.0	30.0	25.0	12.5	
Average Affected Thickness (Ins)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Topsoil Volume (Yds³)	0	0	0	0	0	0	0	0	
Unit Cost - Haul/Place (\$/Yd³)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Topsoil Handling Cost (\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Unit Cost - Grading (\$/Ac)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Grading Cost (\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Sub Total - Topsoil	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
B. Radiation Survey & Soil Analysis									
Unit Cost (\$/Ac)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Sub Total - Survey & Analysis	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C. Revegetation									
Fertilizer (\$/Ac)	\$46.49	\$46.49	\$46.49	\$46.49	\$46.49	\$46.49	\$46.49	\$46.49	
Seeding Prep & Seeding (\$/Ac)	\$280.00	\$280.00	\$280.00	\$280.00	\$280.00	\$280.00	\$280.00	\$280.00	
Mulching & Crimping (\$/Ac)	\$276.54	\$276.54	\$276.54	\$276.54	\$276.54	\$276.54	\$276.54	\$276.54	
Sub Total Cost/Acre	\$603.03	\$603.03	\$603.03	\$603.03	\$603.03	\$603.03	\$603.03	\$603.03	

Uranium One USA, Inc.
 2012-2013 Restoration and Reclamation Costs
 Wyoming Operations
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	Irigaray Mine Unit(s) #1 Thru #9	Christensen Mine Units #2 Thru #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8	Christensen Mine Unit #10	Christensen Mine Unit #11	Total Christensen & Irigaray
TOPSOIL REPLACEMENT & REVEGETATION									
Sub Total - Revegation	\$39,498	\$32,714	\$15,076	\$22,915	\$15,679	\$18,091	\$15,076	\$7,538	\$166,587
Sub Total - Remedial Action	\$39,498	\$32,714	\$15,076	\$22,915	\$15,679	\$18,091	\$15,076	\$7,538	\$166,587
TOTAL COST - TOPSOIL & REVEGETATION	\$285,918	\$239,186	\$109,438	\$165,596	\$110,198	\$128,664	\$104,296	\$51,089	\$1,194,384

Uranium One USA, Inc.
2012-2013 Restoration and Reclamation Costs
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WORKSHEET 8

MISCELLANEOUS RECLAMATION	Irigaray Mine Unit(s) #1 Thru #9	Christensen Mine Units #2 Thru #4	Christensen Mine Unit #5	Christensen Mine Unit #6	Christensen Mine Unit #7	Christensen Mine Unit #8	Christensen Mine Unit #10	Christensen Mine Unit #11	Total Christensen & Irigaray
I Fence Removal & Disposal									
Quantity (Feet)	15240	35260	20000	9000	18000	19300	20000	10000	
Cost of Removal/Disposal (\$/Ft)	\$0.31	\$0.31	\$0.31	\$0.31	\$0.31	\$0.31	\$0.31	\$0.31	
Cost of Removal/Disposal (\$)	\$4,724	\$10,931	\$6,200	\$2,790	\$5,580	\$5,983	\$6,200	\$3,100	\$45,508
II Powerline Removal & Disposal									
Quantity (Feet)	9450	10565	18000	18000	5500	21990	20000	10000	
Cost of Removal/Disposal (\$/Ft)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Cost of Removal/Disposal (\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
III Powerpole Removal & Disposal									
Quantity	25	30	60	60	19	74	67	34	
Cost of Removal/Disposal (\$/Each)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Cost of Removal/Disposal (\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
IV Transformer Removal & Disposal									
Quantity	0	1	0	0	18	27	18	9	
Cost of Removal/Disposal (\$/Each)	\$0.00	\$0.00	\$0.00	\$0.00	\$0	\$0	\$0	\$0	
Cost of Removal/Disposal (\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
V Booster Pump Assembly Removal & Disposal									
Quantity	0	6	5	5	12	16	12	6	
Cost of Removal/Disposal (\$/Each)	\$248	\$248	\$248	\$248	\$248	\$248	\$248	\$248	
Cost of Removal/Disposal (\$)	\$0	\$1,488	\$1,240	\$1,240	\$2,976	\$3,968	\$2,976	\$1,488	\$15,376
VI Culvert Removal & Disposal									
Quantity (Feet)	150	1200	1000	1000	500	20	20	20	
Cost of Removal/Disposal (\$/Ft)	\$6.10	\$6.10	\$6.10	\$6.10	\$6.10	\$6.10	\$6.10	\$6.10	
Cost of Removal/Disposal (\$)	\$915	\$7,321	\$6,101	\$6,101	\$3,051	\$122	\$122	\$122	\$23,855
VII Guardrail Removal									
Quantity (Feet)	200	3000	0	0	0	0	0	0	
Cost of Removal/Disposal (\$/Ft)	\$6.44	\$6.44	\$6.44	\$6.44	\$6.44	\$6.44	\$6.44	\$6.44	
Cost of Removal/Disposal (\$)	\$1,288	\$19,320	\$0	\$0	\$0	\$0	\$0	\$0	\$20,608
VIII Low Water Stream Crossing									
Quantity	0	1	1	0	0	0	0	0	
Cost of Removal/Disposal (\$/Each)	\$4,500	\$4,500	\$4,500	\$4,500	\$4,500	\$4,500	\$4,500	\$4,500	
Cost of Removal/Disposal (\$)	\$0	\$4,500	\$4,500	\$0	\$0	\$0	\$0	\$0	\$9,000
IX Utilities Cost									
Quantity (Mos)	0	8	4	4	4	4	4	4	
Power (\$/Month)	\$65	\$65	\$65	\$65	\$65	\$65	\$65	\$65	
Telephone (\$/Month)	\$500	\$500	\$500	\$500	\$500	\$500	\$500	\$500	
Total Cost (\$)	\$0	\$4,520	\$2,260	\$2,260	\$2,260	\$2,260	\$2,260	\$2,260	\$18,080
TOTAL MISCELLANEOUS COST	\$6,928	\$48,080	\$20,301	\$12,391	\$13,867	\$12,333	\$11,558	\$6,970	\$132,427