

August 18, 2015

Mr. Ron C. Linton, Project Manager
Decommissioning & Uranium Recovery Licensing Directorate
Division of Waste Management & Environmental Protection
Office of Federal & State Materials & Environmental Management Programs
U.S. Nuclear Regulatory Commission
11545 Rockville Pike
Mail Stop T7-E18
Rockville, Maryland 20852-2738

Re: Annual Surety Update for SUA1341 Willow Creek Operations, August 2015


Dear Mr. Linton:

Enclosed please find Uranium One America's annual surety adjustment as required by SUA-1341, License Condition 9.5 which specifies updates to the surety required by 10 CFR 40, Appendix A, Criterion 9, shall be provided to the NRC by August 18th of each year.

Changes to the 2015 surety have been discussed in the attached summary.

If you have any questions or need additional information please call at (307) 233-6330 or email at scott.schierman@uranium1.com.

Regards,



Scott Schierman
HSE Manager

Uranium One 2015 Willow Creek Surety Estimate Update Summary

In accordance with SUA-1341 License Condition 9.5 as required by 10 CFR 40, Appendix A, Criterion 9 an updated reclamation/restoration surety estimate for July 1, 2014 through June 30, 2015 is provided in Appendix 6. Uranium One (U1) has currently put any significant development plans at the Willow Creek project on hold due to the low market price of uranium. Therefore, most changes to the 2014-2015 surety estimate concern updating current operating costs or revisions to reflect current development plans.

Changes have been highlighted in gray throughout the surety estimate worksheets and brief explanations are given below. Additionally, costs in Worksheets 2-6 have been updated using the revised "Cost Summary Sheet" as mentioned below. The costs in Worksheet 1 "Groundwater Restoration" have been escalated using a 17.6% inflation factor based on the Consumer Price Index (CPI) for all urban consumers from September 2006 to June 2015.

It should be noted that currently in Mine Unit 10 (MU10) U1 has only completed wellfield modules 10-1 (Mod 10-1 through 10-6) and as previously mentioned no further development is planned during the next reporting period. However the wells and abandonment cost associated with (Mod10-7) and (Mod 10-8) have been included in this surety estimate. Additionally this surety estimate includes proposed guard wells (10) for the Ludeman project and an underlying monitor well (1) for MU 2 for Ludeman.

Cost Summary Sheet

- All costs taken from WDEQ-LQD Guideline 12 have been updated based on the October 2013 revision.
- Operational costs have been updated as needed.

Worksheet 1: Groundwater Restoration

- The wellfield area and number of wells for MU10 has been adjusted to include wells for Module 10-7 and 10-8. Ludeman proposed guard wells (10) and underlying wells (1) have been added to well total for 2015.
- The required WDEQ-WQD 3% annual adjustment for the plugging and abandonment of deep disposal wells CR DW-1 and CR 18-3 has been adjusted.
- Credit for completion of groundwater sweep for Christensen Ranch Mine Units 2-6 has been granted by the WDEQ and authorized by NRC; therefore, separate WDEQ estimates and NRC estimates are provided.

Worksheet 2: Plant Equipment Removal and Disposal

- During the 2014-2015 reporting period Uranium One changes to account for volume of Module building for MU10-7 and MU10-8 in MU10 were included.
- Costs adjusted to reflect the October 2013 Guideline 12 update.

Worksheet 3: Building Demolition and Disposal

- During the 2014-2015 building demolition and disposal activities were added for MU10-7 and 10-8 module buildings.
- Cost adjustments to reflect the October 2013 Guideline 12 update.

Worksheet 4: Pond Reclamation Cost

- Remained the same as 2014-2015 cost estimates.

Worksheet 5: Well Plugging and Abandonment

- The total number of wells for CR MU10 has been increased to reflect the number of wells needed for Modules at MU10-7 & MU10-8.
- Ludeman guard wells (10) in the upper most aquifer proposed for Ludeman and an underlying well (1) for MU2 have been added to the well total for MU10.

Worksheet 6: Wellfield Equipment Removal & Disposal

Section I: Wellfield Piping

- The number of wells and amount of piping in CR MU10 has been revised to include MU10-7 and MU10-8 and MU11 has been revised to reflect actual numbers and plans for the 2014-2015 reporting period.

Section II: Production Well Pumps

- The number of production well pumps has been revised to reflect the MU10-7 and MU10-8 and 11 wells at Ludeman.

Section V: Manholes

- Same as 2013-2014 assumptions.

Worksheet 7: Topsoil Replacement & Revegetation

- Same as 2013-2014 assumptions, no changes made.

Worksheet 8: Miscellaneous Reclamation

- Same as 2013 -2014 assumptions, no changes made.

Table 1, Summary:

In summary, the new grand total surety estimate for WDEQ is \$21,233,567 and the NRC estimate is \$21,856,530. This represents an increase of \$177,032 from the 2014 surety update provided to WDEQ and an increase of \$183,892 from the 2014 NRC estimate. The 2014 surety estimate of \$21,672,638 was reviewed and approved by WDEQ on July 1, 2015 and is currently awaiting NRC concurrence before the surety amount is increased. The current approved NRC surety is an Irrevocable Letter of Credit issued in the favor of the State of Wyoming-DEQ in the amount of \$21,075,000 (NRC License SUA-1341 Amendment No. 1, Condition 9.5). Uranium One respectfully requests that NRC approve the new 2015 surety estimate in the amount of \$21,856,530 for its Willow Creek Operations.

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	\$25.00	Hour	Operator Wage below + \$.50 referenced in WDEQ Guideline 12, Section I
Plant Operator	\$20.00	Hour	Based on current average wage structure for Willow Creek Operators
Plant Operator	\$20.00	hour	Based on current average wage structure for Willow Creek Operators
Laborers (Group 1)	\$15.93	hour	From 2015 State Wages Department of Transportation Prevailing Wages.
Laborers (Group 2)	\$18.48	hour	From 2015 State Wages Department of Transportation Prevailing Wages.
ANALYTICAL			
Guideline 8	\$390.00	batch	Current rate used in worksheet 1
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. 2014)
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 soils, sands, rubble 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, filter media, etc., at NRC Licensed Facility (Shirley Basin) (August 2010)
Onsite Disposal	\$0.31	cubic foot	WDEQ Guideline 12, Appendix K, Concrete Disposal On Site $\$8.25\text{yd}^3 = \0.31ft^3
11e2 Transportation Cost Per Truck	\$2,100.00		Constant cost per load based on current contract with local trucking company
VEHICLE OPERATION			
Pick up 4X4 (diesel)	\$26.12	unit	Cost per WDEQ Guideline 12 Table D-1
PLANT DISMANTLING			
Concrete Floor Demolition	\$5.48	square foot	Costs per WDEQ Guideline 12, Appendix K
Cost of Demolition Per Ft ³	\$0.29	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	\$4.70	50# bag	Based on 2014 current costs from Casper Well Supply
Cement Cones	\$10.00	per hole	Costs per WDEQ Guideline 12, App. L. Abandonment and Sealing of Drill and Monitor Wells

EQUIPMENT

Dozer	\$93.43	acre
Backhoe Loader (Cat 430E 4WD)	\$35.73	hour
Loader (Cat 980H)	\$116.22	hour
Pick up 4X4 (gasoline)	\$26.12	hour
Hose Reel	\$45.00	hour

Cost per WDEQ Guideline 12, App M, rough grading/backfill
Cost per WDEQ Guideline 12, Table D-1
Cost per WDEQ Guideline 12, Table D-1
Cost per WDEQ Guideline 12, Table D-1
Costs for equipment from operating ISR facility

CULVERT REMOVAL

20 foot culvert	\$139.12	
per foot	\$6.96	foot

Cost per WDEQ Guideline 12, Appendix J

ELECTRICAL POWERLINES & TRANSFORMERS

Distribution/Transmission Lines	\$0.00
Transformers	\$0.00

Tri-County Electric will remove at no cost, WDEQ Guideline 12, Appendix H
Tri-County Electric will remove at no cost, WDEQ Guideline 12, Appendix H

FENCING

Removal	\$0.39	linear foot
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WDEQ Guideline 12, Appendix H

RECLAMATION

Discing and Seeding	\$280	acre
Top Soil Application	\$0.990	cu/yd
Unit Cost - Haul/Place (\$/Yd ³)	\$0.990	cu/yd
Unit Cost - Grading (\$/Ac)	\$93.43	acre

Operator Experience based on Current Contractor Pricing
Cost per WDEQ Guideline 12A, II(A) Average travel distance of 1000 feet
Cost per WDEQ Guideline 12A, II(A) Average travel distance of 1000 feet
Costs per WDEQ Guideline 12, Appendix M D9 dozer

References

Guideline 12 costs were updated using Oct. 2013 version.

Uranium One USA, Inc.
SUMMARY OF RECLAMATION/RESTORATION SURETY ESTIMATE, June 30, 2014 - July 1, 2015
WDEQ PERMIT NO. 478/USNRC LICENSE SUA-1341
TABLE 1

		WDEQ Estimate	NRC Estimate
I GROUNDWATER RESTORATION - Worksheet 1:			
Adjustment for Inflation =	17.6%	\$8,561,890	\$8,819,805
(Sep. 2006 CPI All Urban Consumers, 202.9, to June 2015, 238.638)		\$1,508,057	\$1,553,485
Subtotal Groundwater Restoration		\$10,069,948	\$10,373,290
II DECOMMISSIONING AND SURFACE RECLAMATION:			
A. Process Plant(s) Equipment Removal and Disposal	Worksheet 2	\$252,620	\$252,620
B. Plant Building(s) Demolition and Disposal	Worksheet 3	\$1,353,362	\$1,353,362
C. Process Pond Sludge and Liner Handling	Worksheet 4	\$1,128,502	\$1,128,502
D. Well Abandonment	Worksheet 5	\$904,294	\$904,294
E. Wellfield Equipment Removal and Disposal	Worksheet 6	\$2,145,396	\$2,145,396
F. Topsoil Replacement and Revegetation	Worksheet 7	\$1,188,209	\$1,188,209
G. Miscellaneous Reclamation Activities	Worksheet 8	\$139,551	\$139,551
Sub Total - Decommissioning and Surface Reclamation		\$7,111,934	\$7,111,934
TOTAL RESTORATION AND RECLAMATION		\$17,181,881	\$17,485,224
SUBTOTAL		\$17,181,881	\$17,485,224
Miscellaneous Costs Associated with Third Party Contractors			
Project Design	WDEQ \$200,000.00		
Site Security & Liability Assurance	NRC 15% \$200,000.00		
Contractor Profit & Mobilization	10%		
Pre-construction Investigation	1%		
Project Management	3%		
On-site monitoring	0.5%	10%	
Longterm Administration	2%		
Subtotal miscellaneous additions to surety	16.5%	25.0%	
		\$3,235,010	\$4,371,306.04
SUBTOTAL		\$20,416,892	\$21,856,530
Contingency	WDEQ 4%	\$816,676	\$0
GRAND TOTAL RESTORATION AND RECLAMATION		\$21,233,567	\$21,856,530

GROUNDWATER RESTORATION

	Ingaray Mine Unit(s) #1 Thru #5	Ingaray 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	1337940	780591
Wellfield Area (Acres)	12.00	18.00	20.43	18.34	11.71	27.80	46.40	27.10	40.17	30.71	17.92
Affected Ore Zone Area (Ft²)	522720	784080	890000	798944	550193	1346004	2058344	1180476	1750020	1337940	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	38532672	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	74938340.51	0
Number of Wells in Unit(s)											
Production Wells	150	274	91	176	81	134	178	167	264	261	0
Injection Wells	310	330	195	267	130	188	202	389	516	479	0
Monitor Wells	150	165	50	47	33	72	64	66	76	83	44
Baseline Water Quality wells (prod or inj)	19	27	24	19	15	25	47	11	14	19	6
Average Well Spacing (Ft)	35	35	85	70	85	85	100	70	60	60	60
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	74938340.51	0
Total KGals for Treatment			27417	22375	19568	75057	125664	59507	98019	74938	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	200	200	200	200	200
Gallons Per Hour			12000	12000	12000	12000	12000	12000	12000	12000	12000
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	0.00013	0.00013	0.00013	0.00013	0.00013
Cost Per KGal (\$)			\$0.134	\$0.134	\$0.134	\$0.134	\$0.134	\$0.134	\$0.134	\$0.134	\$0.134
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	\$0.0379	\$0.0379
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	\$37,467	\$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	\$37,467	\$0

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

	Ingaray Mine Unit(s) #1 Thru #5	Ingaray 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 #9	Christensen Mine Unit #10	Christensen Mine Unit #11
GROUNDWATER RESTORATION												
Gallons Per Minute			200	200	200	200	200	200	200	200	200	200
Gallons Per Hour			12000	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	\$1.21
Guideline 12 costs Cost Per Gallon (\$)			\$0.0001	\$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	0.101
Repair & Maintenance (\$/KGals)			\$0.289	\$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	\$0.390
TOTAL WELLFIELD COST	\$0	\$0	\$10,694	\$8,727	\$7,632	\$29,275	\$49,014	\$23,210	\$38,231	\$29,229	\$0	\$0
TOTAL GROUND WATER SWEEP COST	\$0	\$0	\$26,091	\$21,204	\$18,302	\$65,321	\$126,997	\$52,961	\$87,237	\$66,695	\$0	\$0

II REVERSE OSMOSIS

A. PLANT & OFFICE

Operating Assumptions:												
Flowrate (gpm)			500	500	500	500	500	500	500	500	500	500
PV's Required			5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Total Gallons For Treatment			137085062	111872613	97842203.3	375285000	628321461	595068696.7	980190402	749383405.1	0	10.0
Total KGals for Treatment			137085	111873	97842	375285	628321	595069	980190	749383	0	0
Feed to RO (gpm)			500	500	500	500	500	500	500	500	500	500
Permeate Flow (gpm)			375	375	375	375	375	375	375	375	375	375
Brine Flow (gpm)			125	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%	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	560.00
Kwh's/Hp			0.830	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	\$0.0485
Gallons Per Minute			500	500	500	500	500	500	500	500	500	500
Gallons Per Hour			30000	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	\$22.54
Cost Per Gallon (\$)			\$0.00075	\$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	\$0.751
Chemicals												
Caustic Soda (\$/KGals)			\$0.018	\$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	\$0.0947
Elution (\$/KGals)			\$0.099	\$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	\$0.038
Sampling & Analysis (\$/KGals)			\$0.090	\$0.122	\$0.092	\$0.039	\$0.032	\$0.054	\$0.034	\$0.042	\$0.038	\$0.038
Total Cost Per KGal (\$)			\$1.091	\$1.123	\$1.093	\$1.040	\$1.033	\$1.055	\$1.035	\$1.043	\$1.043	\$1.043
Total Pumping Cost (\$)	\$0	\$0	\$149,576	\$125,587	\$106,943	\$390,170	\$648,767	\$627,870	\$1,014,557	\$761,953	\$0	\$0
Utilities												
Power (\$/Month)			\$65	\$65	\$65	\$65	\$65	\$65	\$65	\$65	\$65	\$65
Propane (\$/Month)			\$500	\$500	\$500	\$500	\$500	\$500	\$500	\$500	\$500	\$500
Time For Treatment												
Minutes For Treatment			274170	223745	195684	750570	1256643	1190137	1960381	1498767	0	0
Hours For Treatment			4570	3729	3261	12510	20944	19836	32673	24979	0	0
Days For Treatment			190	155	136	521	873	826	1361	1041	0	0
Average Days Per Month			30.4	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	34.2	0.0	0.0
Utilities Cost (\$)	\$0	\$0	\$3,560	\$2,882	\$2,543	\$9,662	\$16,216	\$15,368	\$25,312	\$19,323	\$0	\$0
TOTAL PLANT & OFFICE COST	\$0	\$0	\$153,135	\$128,469	\$109,485	\$399,832	\$664,982	\$643,238	\$1,039,869	\$801,276	\$0	\$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	20.00
Avg Hp/Pump			3.00	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	25.0
Avg Connected Hp			75.0	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	0.830
\$/Kwh			\$0.0485	\$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	500
Gallons Per Hour			30000	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	\$3.02
Cost Per Gallon (\$)			\$0.0001	\$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	\$0.101
Repair & Maintenance (\$/KGals)			\$0.289	\$0.289	\$0.289	\$0.289	\$0.289	\$0.289	\$0.289	\$0.289	\$0.289	\$0.289

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 #9	Christensen Mine Unit #10	Christensen Mine Unit #11
Total Cost Per KGal			\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390
TOTAL WELLFIELD COST			\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390
Circulate 1 PV of Hydrogen Sulfide gas reductant \$0.863 per Kgal	\$0	\$0	\$53,413	\$43,590	\$38,123	\$146,225	\$244,818	\$231,861	\$381,919	\$291,988	\$0	\$0
TOTAL REVERSE OSMOSIS COST	\$0	\$0	\$230,210	\$191,368	\$164,496	\$610,831	\$1,016,248	\$926,453	\$1,506,378	\$1,157,935	\$0	\$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	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	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	187,345,851	0	0
Brine Concentration Factor			34,271	27,968	24,461	93,821	157,080	148,767	245,048	187,346	0	0
Total Concentrated Brine (Gals)			60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
Months of RO Operation			20,562,759	16,780,892	14,676,330	56,292,750	94,248,219	89,260,305	147,028,560	112,407,511	0	0
Average Monthly Reqmt (Gallons)			6.3	5.1	4.5	17.1	28.7	27.2	44.8	34.2	0.0	0.0
Monthly Balance for DDW (Gals)			3,263,930	3,290,371	3,261,407	3,291,974	3,283,910	3,281,629	3,281,888	3,286,789	0	0
Total DDW Disposal (Gallons)			3,104,129	3,130,570	3,101,606	3,132,173	3,124,109	3,121,828	3,122,087	3,126,968	0	0
Total DDW Disposal (KGals)			19,556,013	15,965,907	13,957,226	53,660,153	89,661,930	84,913,717	139,869,476	106,942,317	0	0
Cost Assumptions:												
Power:												
Avg Connected Hp			100.00	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	180.00
Kwh's/Hp			0.830	0.830	0.830	0.830	0.830	0.830	0.830	0.830	0.830	0.830
Gallons Per Minute			\$0.0485	\$0.0485	\$0.0485	\$0.0485	\$0.0485	\$0.0485	\$0.0485	\$0.0485	\$0.0485	\$0.0485
Gallons Per Hour			150	150	150	150	150	150	150	150	150	150
Cost Per Hour (\$)			9000	9000	9000	9000	9000	9000	9000	9000	9000	9000
Cost Per Gallon (\$)			\$11.27	\$11.27	\$11.27	\$11.27	\$11.27	\$11.27	\$11.27	\$11.27	\$11.27	\$11.27
Cost Per KGal (\$)			\$0.0013	\$0.0013	\$0.0013	\$0.0013	\$0.0013	\$0.0013	\$0.0013	\$0.0013	\$0.0013	\$0.0013
Chemicals (\$/KGals)			\$1.252	\$1.252	\$1.252	\$1.252	\$1.252	\$1.252	\$1.252	\$1.252	\$1.252	\$1.252
RO Antiscalant (\$/KGals)			\$0.190	\$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	\$0.237
Sulfuric Acid (\$/KGals)			\$0.534	\$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	\$0.000
Algicide			\$0.111	\$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	\$0.077
Total Cost Per KGal			\$2.401	\$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	\$256,809	\$0	\$0

IV STABILIZATION MONITORING

Operating Assumptions:												
Time of Stabilization (mos)			12	12	12	12	12	12	12	12	12	12
Frequency of Analysis (mos)			3	3	3	3	3	3	3	3	3	3
Total Sets of Analysis			4	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	\$280
Analytical costs per set			\$9,360	\$7,410	\$5,850	\$9,750	\$18,330	\$4,290	\$5,460	\$3,900	\$2,340	\$2,340
Total Sampling & Analysis Cost (\$)			\$38,560	\$30,760	\$24,520	\$40,120	\$74,440	\$18,280	\$22,960	\$16,720	\$10,480	\$10,480
Utilities (Power + Telephone per month)			\$565	\$565	\$565	\$565	\$565	\$565	\$565	\$565	\$565	\$565
Total Utilities Cost (\$)			\$6,780	\$6,780	\$6,780	\$6,780	\$6,780	\$6,780	\$6,780	\$6,780	\$6,780	\$6,780
TOTAL STABILIZATION COST	\$0	\$0	\$45,340	\$37,540	\$31,300	\$46,900	\$81,220	\$25,060	\$29,740	\$23,500	\$0	\$0

V LABOR (Irigaray and Christensen Combined)

Cost Assumptions			
Crew:	Cost/Hour	Hours/Year	Cost
1 Supervisor	\$25.00	2080	\$52,000
4 Operators	\$20.00	2080	\$166,400
2 Maintenance	\$20.00	2080	\$83,200
2 Vehicles	\$26.12	2080	\$108,659
Cost per Year			\$410,259
Time Required - Years		2.0	
TOTAL RESTORATION LABOR COST			\$820,518

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-WCDD 3% Annual Adjustment		\$8,412
Total	\$0	\$148,612

	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	\$66,695	\$0	\$7,850,675
II REVERSE OSMOSIS	\$0	\$0	\$230,210	\$191,368	\$164,496	\$610,831	\$1,018,248	\$926,453	\$1,506,378	\$1,157,935	\$0	\$820,518
III WASTE DISPOSAL WELL	\$0	\$0	\$46,961	\$38,340	\$33,517	\$128,618	\$215,312	\$203,910	\$335,879	\$256,809	\$0	\$148,612
IV STABILIZATION	\$0	\$0	\$45,340	\$37,540	\$31,300	\$46,900	\$81,220	\$25,060	\$29,740	\$23,500	\$0	\$8,819,805
SUB TOTAL	\$0	\$0	\$348,602	\$288,452	\$247,615	\$851,670	\$1,441,777	\$1,208,384	\$1,959,235	\$1,504,940	\$0	\$257,915
V LABOR												\$0
VI CAPITAL												\$0
TOTAL GROUNDWATER RESTORATION COST												\$7,850,675
Credit for Completion of Groundwater Sweep (WDEQ)			\$26,091	\$21,204	\$18,302	\$65,321	\$126,997	\$0	\$0	\$0	\$0	\$820,518
Credit for Completion of Reverse Osmosis (WDEQ)												\$148,612
Credit Completion of Stabilization Monitoring (WDEQ)												\$8,819,805
Credit Subtotal												\$257,915
GRAND TOTAL WDEQ	\$0	\$0	\$322,511	\$267,248	\$229,312	\$786,349	\$1,314,780	\$1,208,384	\$1,959,235	\$1,504,940	\$0	\$0
GRAND TOTAL NRC (no credit)	\$0	\$0	\$348,602	\$288,452	\$247,615	\$851,670	\$1,441,777	\$1,208,384	\$1,959,235	\$1,504,940	\$0	\$8,561,890
												\$8,819,805

Uranium One USA, Inc.
2014-2015 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	97.5	
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	4.9	
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	\$2,121	\$5,557
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	\$3,169	\$15,311
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	\$1,884	
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	\$4,563	
Total Cost	\$2,645	\$0	\$12,431	\$0	\$1,653	\$0		\$7,670	\$0	\$2,777	\$6,447	
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	\$2,048	
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	\$5,792	
Total Cost Licensed Site	\$3,216	\$0	\$15,115	\$44,220	\$8,040	\$0		\$9,326	\$86,671	\$3,377	\$7,839	
Total Cost Transportation & Disposal	\$5,861	\$0	\$27,546	\$44,220	\$9,693	\$0	\$87,320	\$16,996	\$86,671	\$6,154	\$14,286	\$124,107
TOTAL COST	\$7,596	\$0	\$38,971	\$47,795	\$12,254	\$0	\$106,615	\$24,046	\$93,678	\$8,706	\$19,575	\$146,005
TOTAL COST - IRIGARAY AND CHRISTENSEN												\$252,620

[illegible]

CONCRETE DECONTAMINATION, DEMOLITION & DISPOSAL														\$1,008	\$2,947	\$38,726	\$22,061	\$3,875	\$11,025
Area (Ft²)	8020	7100	17600	18400	5600	3600	9600	0	1800	5240	0	1000		\$700,908					
Average Thickness (Ft)	0.5	0.5	0.5	0.5	1	0.5	0.5	0.0	0.5	0.5	0	0.5		\$211,864					
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							
Demolition (\$/Ft²)	\$5.48	\$5.48	\$5.48	\$5.48	\$5.48	\$5.48	\$5.48	\$5.48	\$5.48	\$5.48	\$5.48	\$5.48							
Demolition Cost	\$43,950	\$38,908	\$96,448	\$100,832	\$30,688	\$19,728	\$330,554	\$52,608	\$0	\$9,864	\$28,715	\$0		\$1,908					
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	\$0.310	\$0.310	\$0.310	\$0.310	\$0.310	\$0.310		\$0.310	\$0.310	\$0.310	\$0.310	\$0.310	\$0.310						
Disposal Cost (\$)	\$1,243	\$1,101	\$2,455	\$2,567	\$694	\$502	\$8,562	\$1,339	\$0	\$279	\$812	\$0	\$155	\$2,585					
B. Licensed Site																			
Percent to be Shipped	0%	0%	10%	10%	60%	10%		10%	100%	0%	100%	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	\$3,422	\$3,578	\$13,067	\$700	\$20,767	\$1,867	\$0	\$0	\$0	\$0	\$0						
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	\$1,867					
TOTAL COST	\$45,193	\$40,009	\$107,353	\$112,233	\$57,194	\$21,959	\$383,940	\$58,556	\$0	\$10,384	\$30,230	\$0	\$5,635	\$1,778					
TOTAL COST IRIGARAY AND CHRISTENSEN																			
SOIL REMOVAL & DISPOSAL														\$488,745					
Assume removal of 3" of Contaminated Soil														\$104,805					

[illegible]

Uranium One USA, Inc.
2014-2015 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
Guideline Disposal fee Per Cubic Foot(\$)	\$3.70	\$3.70	\$3.70	\$3.70	\$3.70	\$3.70		\$3.70	\$0	\$0	\$0	\$0	\$0	
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	\$39,545	\$36,906	\$11,232	\$7,221	\$94,904	\$57,447	\$0	\$0	\$10,510	\$0	\$0	\$67,957
TOTAL COST	\$0	\$0	\$39,545	\$36,906	\$11,232	\$7,221	\$94,904	\$57,447	\$0	\$0	\$10,510	\$0	\$0	\$67,957
TOTAL COST IRIGARAY AND CHRISTENSEN														\$162,861
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	\$111,060	\$78,307	\$323,431	\$285,477	\$116,495	\$53,755	\$968,525	\$189,265	\$51,108	\$33,353	\$79,529	\$22,061	\$9,522	\$384,638
TOTAL COST IRIGARAY AND CHRISTENSEN														\$1,353,362

POND RECLAMATION COST

POND RECLAMATION COST												
	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 SLUDGE:												
Average Sludge Depth (Ft)		0.156		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		64,299	64,299	20,909	20,909	20,909	20,909	-
Volume of Sludge (Yds³)		7,907		7,907		10,047	10,047	3,486	4,651	2,983	1,414	-
Volume of Sludge Per Truck Load (Yds³)		293		293		372	372	128	172	110	52	0
# of Truck Loads of Sludge		20.0		20.0		20.0	20.0	20.0	20.0	20.0	20.0	0
Sludge Handling Cost Per Load (\$)		14.7		14.7		18.6	18.6	8.4	8.6	5.5	2.6	0.0
Sludge Handling Cost (\$)	\$0	\$240.00	\$0	\$240.00	\$0	\$240.00	\$240.00	\$240.00	\$240.00	\$240.00	\$240.00	\$240.00
Transportation & Disposal		\$3,528	\$0	\$3,528	\$0	\$4,464	\$4,464	\$1,536	\$2,064	\$1,320	\$624	\$0
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%
Transportation Cost per Truckload		\$2,100		\$2,100		\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100
Disposal Cost Per Cubic Foot (\$)		\$30,870		\$30,870		\$39,060	\$39,060	\$13,440	\$18,060	\$11,550	\$5,460	\$0
Quantity Per Truck Load (Yds³)		\$11.00		\$11.00		\$11.00	\$11.00	\$11.00	\$11.00	\$11,550	\$5,460	\$0
Quantity Per Truck Load (Ft³)		20.0		20.0		20.0	20.0	20.0	20.0	\$11.00	\$11.00	\$11.00
Disposal Cost (\$)		\$40		\$40		\$40	\$40	\$40	\$40	\$40	\$40	\$40
Total Transportation & Disposal (\$)		\$87,318		\$87,318		\$110,484	\$110,484	\$38,016	\$51,084	\$32,670	\$15,444	\$0
TOTAL SLUDGE COST (\$)	\$0	\$118,186	\$0	\$118,186	\$0	\$149,544	\$149,544	\$51,456	\$69,144	\$44,220	\$20,904	\$0
	\$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)		1.72		1.72		2.17	2.17	1.10	1.10	1.10	1.10	0.00
Total Pond Area (Ft²)		74923.2		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%	0
Total Liner Area (Ft²)		89908		89908		113430	113430	66660	66660	66660	66660	0
Liner Thickness (Mi)		30		180		180	30	180	30	30	30	0
Liner Thickness (Inches)		0.0300		0.1800		0.1800	0.0300	0.1800	0.0300	0.0300	0.0300	0
*Swell Factor		0.0025		0.0150		0.0150	0.0025	0.0150	0.0025	0.0025	0.0025	0
Liner Volume (Ft³)		25.0%		25.0%		25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	0.0%
Truck Loads of Liner		281		1686		2127	354	1287	180	180	180	0
Liner Handling Cost (\$)		0.5		3.1		3.9	0.7	2.4	0.3	0.3	0.3	0.0
Labor Crew Cost per Hour (\$)		\$161		\$161		\$161	\$161	\$161	\$161	\$161	\$161	\$0
Hours per Load		2.0		2.0		2.0	2.0	2.0	2.0	2.0	2.0	\$0
Liner Handling Cost Per Load (\$)		\$322.44		\$322.44		\$322.44	\$322.44	\$322.44	\$322.44	\$322.44	\$322.44	\$0
Total Liner Handling Cost (\$)	\$0	\$161	\$0	\$1,000	\$0	\$1,258	\$226	\$774	\$97	\$97	\$97	\$0
Transportation & Disposal												\$0
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%
Transportation Cost per Truckload		\$2,100		\$2,100		\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100
Disposal Cost Per Cubic Foot (\$)		\$1,050		\$6,510		\$8,190	\$1,470	\$5,040	\$630	\$630	\$630	\$0
Quantity Per Truck Load (Ft³)		\$11.00		\$11.00		\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00
Disposal Cost (\$)		\$40		\$40		\$40	\$40	\$40	\$40	\$40	\$40	\$40
Total Transportation & Disposal (\$)	\$0	\$2,970	\$0	\$18,414	\$0	\$23,166	\$4,158	\$14,256	\$1,782	\$1,782	\$1,782	\$0
TOTAL LINER COST (\$)	\$0	\$4,020	\$0	\$24,924	\$0	\$31,356	\$5,628	\$19,296	\$2,412	\$2,412	\$2,412	\$0
	\$0	\$4,181	\$0	\$25,924	\$0	\$32,614	\$5,854	\$20,070	\$2,509	\$2,509	\$2,509	\$0
POND BACKFILL:												
Backfill required (Yds³)	8740	8580	8740	8580	2517	14617	16319	9048	9048	9048	9048	18070
Backfill Cost (\$/Yd³)	\$0.99	\$0.99	\$0.99	\$0.99	\$0.99	\$0.99	\$0.99	\$0.99	\$0.99	\$0.99	\$0.99	\$0.99
TOTAL BACKFILL COST (\$)	\$8,653	\$8,494	\$8,653	\$8,494	\$2,492	\$14,471	\$16,156	\$8,958	\$8,958	\$8,958	\$8,958	\$17,889
RADIATION SURVEY												
Areal required (acres)	0.00	1.72	0.00	1.72	2.90	2.17	1.10	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 (\$)	\$0	\$894	\$0	\$894	\$0	\$1,508	\$1,128	\$572	\$572	\$572	\$572	\$0
LEAK DETECTION SYSTEM REMOVAL												
Volume of Gravel and Piping (Ft³) (Assume 3")								5,250	5,250			
Quantity per Truckload (Ft³)								540	540			
Quantity to be Shipped to Licensed Site (Loads)								10	10			
Transportation Cost per Truckload								\$2,100	\$2,100			
Transportation Cost (\$)								\$20,000	\$20,000			
Total Handling Cost per load								\$3,135	\$3,135			
Disposal Fee per Cubic Foot (\$)								\$11	\$11			
Disposal Cost (\$)								\$57,750	\$57,750			
TOTAL LEAK DETECTION SYSTEM REMOVAL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$80,885	\$80,885	\$0	\$0	\$0
TOTAL POND RECLAMATION COST	\$8,653	\$135,285	\$8,653	\$157,028	\$2,492	\$202,601	\$177,146	\$163,477	\$164,132	\$57,579	\$33,567	\$17,889
Guideline 12 costs were updated using Oct. 2013 version.												

Uranium One USA, Inc.
2014-2015 Restoration and Reclamation Costs
Wyoming Operations
WORKSHEET 5

WELL PLUGGING AND ABANDONMENT	Irigaray				Christensen										
	Mine Units #1 Thru #9	517 USMT Test Sites	Monitor/ Trend	Sub Total	Mine Units										
					#2	#3	#4	#5	#6	#7	#8	#10	#11		
Number of Wells	0	11		11											
Production / Injection Wells (Inclusive of Misc. Baseline / Regional Wells)					286	443	211	322	380	556	780	734	6	2978	
Monitor Wells (Shallow, Deep, Perimeter)					50	47	33	72	64	66	76	83	0	408	
Total					336	490	244	394	444	622	856	817	6	4209	
Average Depth	250	250	250		345	300	430	450	520	550	375	500	500		
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 (\$)	\$4.70	\$4.70	\$4.70		\$4.70	\$4.70	\$4.70	\$4.70	\$4.70	\$4.70	\$4.70	\$4.70	\$4.70		
Cost/Well Bentonite Chips (\$)	\$70.50	\$70.50	\$70.50		\$70.50	\$70.50	\$70.50	\$70.50	\$70.50	\$70.50	\$70.50	\$70.50	\$70.50		
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	\$20.00	\$20.00		
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	1.0	1.0		
Cost of Cement Cones/Markers (\$)	\$10.00	\$10.00	\$10.00		\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00		
Total Materials Cost per Well	\$92.13	\$92.13	\$92.13		\$100.13	\$96.43	\$107.09	\$108.72	\$114.43	\$116.87	\$98.94	\$100.64	\$102.42		
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	\$45.00	\$45.00	\$45.00		\$45.00	\$45.00	\$45.00	\$45.00	\$45.00	\$45.00	\$45.00	\$45.00	\$45.00		
Total Labor Cost per Well (\$)	\$45.00	\$45.00	\$45.00		\$45.00	\$45.00	\$45.00	\$45.00	\$45.00	\$45.00	\$45.00	\$90.00	\$135.00		
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	1.0	1.0		
Backhoe w/Operator Cost/Hr (\$)	\$55.73	\$55.73	\$55.73		\$55.73	\$55.73	\$55.73	\$55.73	\$55.73	\$55.73	\$55.73	\$55.73	\$55.73		
Total Equipment Cost per Well (\$)	\$55.73	\$55.73	\$55.73		\$55.73	\$55.73	\$55.73	\$55.73	\$55.73	\$55.73	\$55.73	\$55.73	\$55.73		
Total Cost per Well (\$)	\$192.86	\$192.86	\$192.86		\$200.86	\$197.16	\$207.82	\$209.45	\$215.16	\$217.60	\$199.67	\$246.37	\$293.15		
TOTAL WELL ABANDONMENT COST (\$)	\$0	\$2,121	\$0	\$2,121	\$67,489	\$96,606	\$50,709	\$82,524	\$95,529	\$135,347	\$170,921	\$201,288	\$1,759	\$902,173	
GRAND TOTAL IRIGARAY AND CHRISTENSEN															\$904,294

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	734	6	
Total Quantity (Ft)	60200	282000	96800	114000	278000	624000	587200	4800	
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	\$118,614	\$970	\$413,454
Average OD (Inches)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	
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	9,395	77	
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	17.4	0.1	
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	
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	
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	17.4	0.1	
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	\$36,540	\$210	\$127,470
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	\$17,220	\$20,196	\$48,708	\$109,890	\$103,356	\$594	\$360,558
Total Cost - Licensed Site	\$14,472	\$67,536	\$23,316	\$27,336	\$65,928	\$148,740	\$139,896	\$804	\$488,028
Total Cost - Transport & Disposal	\$14,472	\$67,536	\$23,316	\$27,336	\$65,928	\$148,740	\$139,896	\$804	\$488,028
Total Cost - WF Piping Removal & Disposal	\$26,632	\$124,500	\$42,829	\$50,364	\$122,084	\$274,788	\$258,510	\$1,774	\$901,482
II Production Well Pumps									
A. Pump and Tubing Removal									
Number of Production Wells	0	348	134	178	167	264	264	6	
Cost of Removal (\$/well)	\$58.06	\$58.06	\$58.06	\$58.06	\$58.06	\$58.06	\$58.06	\$58.06	
Cost of Removal (\$)	\$0	\$20,205	\$7,780	\$10,335	\$9,696	\$15,328	\$15,154	\$348	\$78,845
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	1.5	0.0	
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	0.8	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	\$435	\$174	\$218	\$218	\$348	\$348	\$0	\$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	130,500	3,000	
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	\$3,263	\$75	\$12,561
Average OD (Inches)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	
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	2,088	48	

WELLFIELD EQUIPMENT REMOVAL & DISPOSAL	Irigaray Mine Unit(s) #1 Thru #9	Christensen Mine Unit #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	3.9	0.1	
D. Transport & Disposal									
Guideline 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	0.8	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	\$1,170	\$468	\$585	\$585	\$936	\$936	\$0	\$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	\$936	\$0	\$4,680
Total Cost - Landfill	\$0	\$2,340	\$936	\$1,170	\$1,170	\$1,872	\$1,872	\$0	\$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%	
Loads To Be Shipped (Tubing)	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
Transportation Cost per Load	0.0	4.0	1.5	2.9	2.9	2.5	4.6	0.1	
Transportation Cost (\$)	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	
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	\$27,423	\$528	\$39,137
Total Cost - Licensed Site	\$0	\$32,508	\$12,391	\$23,102	\$23,510	\$20,495	\$37,118	\$715	\$110,701
Total Cost - Transport & Disposal	\$0	\$34,848	\$13,327	\$24,272	\$24,680	\$22,367	\$38,990	\$715	\$149,838
Total Cost - Pump Removal & Disposal	\$0	\$58,098	\$22,286	\$36,826	\$36,681	\$39,561	\$57,754	\$1,138	\$159,198
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	
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	
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	
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	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	
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	

WELLFIELD EQUIPMENT REMOVAL & DISPOSAL	Ingaray 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 & Ingaray
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 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	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
A. Removal									
Total Quantity (Ft)	0	11565	24500	47000	28500	49436	35636	0	
Cost of Removal (\$/Ft)	\$3.12	\$3.12	\$3.12	\$3.12	\$3.12	\$3.12	\$3.12	\$3.12	\$613,507
Cost of Removal (\$)	\$0	\$36,083	\$76,440	\$146,640	\$88,920	\$154,240	\$111,184	\$0	
Average OD (Inches)	8.750	8.750	8.750	12.000	12.000	12.000	14.000	14.000	
Chipped Volume Reduction (Ft ³ /Ft)	0.088	0.088	0.088	0.130	0.130	0.130	0.152	0.152	
Chipped Volume (Ft ³)	0	1018	2156	6110	3705	6426.68	5416.672	0	
Quantity Per Truck Load (Ft ³)	540	540	540	540	540	540	540	540	
Number of Truck Loads	0.0	1.9	4.0	11.3	6.9	11.9	10.0	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	
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	
b. Disposal									
Disposal Fee Per Yd ³	\$58.50	\$58.50	\$58.50	\$58.50	\$58.50	\$58.50	\$58.50	\$58.50	\$0
Yds ³ 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	0.0	1.9	4.0	11.3	6.9	11.9	10.0	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	\$3,990	\$8,400	\$23,730	\$14,490	\$24,990	\$21,000	\$0	\$96,600
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	\$11,286	\$23,760	\$67,122	\$40,986	\$70,686	\$59,400	\$0	\$273,240
Total Cost - Licensed Site	\$0	\$15,276	\$32,160	\$90,852	\$55,476	\$95,676	\$80,400	\$0	\$369,840
Total Cost - Transport & Disposal	\$0	\$15,276	\$32,160	\$90,852	\$55,476	\$95,676	\$80,400	\$0	\$369,840
Total Cost - Buried Trunkline Removal & Disposal	\$0	\$51,359	\$108,600	\$237,492	\$144,396	\$249,916	\$191,584	\$0	\$983,347
V Manholes									
A. Removal									
Total Quantity	0	8	5	11	5	15	11	0	
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	\$1,645	\$0	\$8,223
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	1.1	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	
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.
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Wyoming Operations
WORKSHEET 6

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
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	
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	
b. Disposal									
Disposal Cost Per Ft ²	\$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	
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	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COST - WELLFIELD EQUIP REMOVAL & DISP	\$26,632	\$235,153	\$174,462	\$326,327	\$303,908	\$566,508	\$509,493	\$2,912	\$2,145,396

Uranium One USA, Inc.
2014-2015 Restoration and Reclamation Costs
Wyoming Operations
WORKSHEET 7

TOPSOIL REPLACEMENT & REVEGETATION									
	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 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)	\$0.99	\$0.99	\$0.99	\$0.99	\$0.99	\$0.99	\$0.99	\$0.99	
Topsoil Handling Cost (\$)	\$7,986	\$3,993	\$0	\$0	\$0	\$0	\$0	\$0	
Unit Cost - Grading (\$/Ac)	\$93.43	\$93.43	\$93.43	\$93.43	\$93.43	\$93.43	\$93.43	\$93.43	
Grading Cost (\$)	\$467	\$234	\$0	\$0	\$0	\$0	\$0	\$0	
Sub Total - Topsoil	\$8,453	\$4,227	\$0	\$0	\$0	\$0	\$0	\$0	\$12,680
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	
Sub Total - Process Plant and Office Bldg.	\$14,068	\$7,034	\$0	\$0	\$0	\$0	\$0	\$0	\$4,523
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)	\$0.99	\$0.99	\$0.99	\$0.99	\$0.99	\$0.99	\$0.99	\$0.99	
Topsoil Handling Cost (\$)	\$31,944	\$19,166	\$0	\$0	\$0	\$0	\$0	\$0	
Unit Cost - Grading (\$/Ac)	\$93.43	\$93.43	\$93.43	\$93.43	\$93.43	\$93.43	\$93.43	\$93.43	
Grading Cost (\$)	\$1,869	\$1,121	\$0	\$0	\$0	\$0	\$0	\$0	
Sub Total - Topsoil	\$33,813	\$20,288	\$0	\$0	\$0	\$0	\$0	\$0	\$54,100
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	
Sub Total - Ponds	\$56,273	\$33,764	\$0	\$0	\$0	\$0	\$0	\$0	\$19,297
III Wellfields									
A. Topsoil Handling & Grading									
Affected Area (Acres)	40.0	55.0	30.0	50.0	35.0	40.0	35.0	0.0	
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	0	
Unit Cost - Haul/Place (\$/Yd³)	\$0.99	\$0.99	\$0.99	\$0.99	\$0.99	\$0.99	\$0.99	\$0.99	
Topsoil Handling Cost (\$)	\$18,634	\$25,622	\$13,976	\$23,293	\$16,305	\$18,634	\$16,305	\$0	
Unit Cost - Grading (\$/Ac)	\$93.43	\$93.43	\$93.43	\$93.43	\$93.43	\$93.43	\$93.43	\$93.43	
Grading Cost (\$)	\$3,737	\$5,139	\$2,803	\$4,672	\$3,270	\$3,737	\$3,270	\$0	
Sub Total - Topsoil	\$22,371	\$30,760	\$16,778	\$27,964	\$19,575	\$22,371	\$19,575	\$0	\$159,395
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	\$0	\$148,200
C. Spill Cleanup									
Affected Area (Acres)		0.036	0	0	0	0	0.10	0	
Affected Area (ft²)		1,568	0	0	0	0	4529	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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WORKSHEET 7

TOPSOIL REPLACEMENT & REVEGETATION									
	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
D. Revegetation									
Sub Total - Spill Cleanup	\$0	\$3,151	\$0	\$0	\$0	\$0	\$0	\$0	\$3,151
Fertilizer (\$/Ac)	\$46.49	\$46.49	\$46.49	\$46.49	\$46.49	\$46.49	\$46.49	\$46.49	
Guideline 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	\$0	\$171,864
Sub Total - Wellfields (\$)	\$67,292	\$95,678	\$50,469	\$84,116	\$58,881	\$67,292	\$58,881	\$0	\$482,609
IV Roads									
A. Topsoil Handling & Grading									
Affected Area (Acres)	25.0	20.0	15.0	21.0	12.0	15.0	10.0	0.0	
Average Affected Thickness (Ins)	12	12	12	12	12	12	12	0.0	
Topsoil Volume (Yds ³)	40333	32267	24200	33880	19360	24200	16133	0	
Unit Cost - Haul/Place (\$/Yd ³)	\$0.99	\$0.99	\$0.99	\$0.99	\$0.99	\$0.99	\$0.99	\$0.99	
Topsoil Handling Cost (\$)	\$39,930	\$31,944	\$23,958	\$33,541	\$19,166	\$23,958	\$15,972	\$0	
Unit Cost - Grading (\$/Ac)	\$93.43	\$93.43	\$93.43	\$93.43	\$93.43	\$93.43	\$93.43	\$93.43	
Grading Cost (\$)	\$2,336	\$1,869	\$1,401	\$1,962	\$1,121	\$1,401	\$934	\$0	
Sub Total - Topsoil	\$42,266	\$33,813	\$25,359	\$35,503	\$20,288	\$25,359	\$16,906	\$0	\$199,494
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	\$0	\$61,360
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	\$0	\$71,158
Sub Total - Roads (\$)	\$70,342	\$56,273	\$42,205	\$59,087	\$33,764	\$42,205	\$28,137	\$0	\$332,012
V Other									
A. Topsoil Handling & Grading									
Affected Area (Acres)	41.0	19.0	5.0	5.0	5.0	5.0	5.0	0.0	
Average Affected Thickness (Ins)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Topsoil Volume (Yds ³)	0	0	0	0	0	0	0	0	
Unit Cost - Haul/Place (\$/Yd ³)	\$0.99	\$0.99	\$0.99	\$0.99	\$0.99	\$0.99	\$0.99	\$0.99	
Topsoil Handling Cost (\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Unit Cost - Grading (\$/Ac)	\$93.43	\$93.43	\$93.43	\$93.43	\$93.43	\$93.43	\$93.43	\$93.43	
Grading Cost (\$)	\$3,831	\$1,775	\$467	\$467	\$467	\$467	\$467	\$0	
Sub Total - Topsoil	\$3,831	\$1,775	\$467	\$467	\$467	\$467	\$467	\$0	\$7,942
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	\$0	\$44,200
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	\$0	\$51,258
Sub Total - Other	\$49,875	\$23,113	\$6,082	\$6,082	\$6,082	\$6,082	\$6,082	\$0	\$103,399
VI Remedial Action									
A. Topsoil Handling & Grading									
Affected Area (Acres)	65.5	54.3	25.0	38.0	26.0	30.0	25.0	0.0	
Average Affected Thickness (Ins)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Topsoil Volume (Yds ³)	0	0	0	0	0	0	0	0	
Unit Cost - Haul/Place (\$/Yd ³)	\$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	
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	
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.
 2014-2015 Restoration and Reclamation Costs
 Wyoming Operations
 WORKSHEET 7

TOPSOIL REPLACEMENT & REVEGETATION	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
Sub Total - Revegation	\$39,498	\$32,714	\$15,076	\$22,915	\$15,679	\$18,091	\$15,076	\$0	\$159,049
Sub Total - Remedial Action	\$39,498	\$32,714	\$15,076	\$22,915	\$15,679	\$18,091	\$15,076	\$0	\$159,049
TOTAL COST - TOPSOIL & REVEGETATION	\$297,349	\$248,576	\$113,832	\$172,200	\$114,406	\$133,671	\$108,176	\$0	\$1,188,209

Uranium One USA, Inc.
2014-2015 Restoration and Reclamation Costs
Wyoming Operations
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	19548	0	
Cost of Removal/Disposal (\$/Ft)	\$0.39	\$0.39	\$0.39	\$0.39	\$0.39	\$0.39	\$0.39	\$0.39	
Cost of Removal/Disposal (\$)	\$5,944	\$13,751	\$7,800	\$3,510	\$7,020	\$7,527	\$7,624	\$0	
II Powerline Removal & Disposal									
Quantity (Feet)	9450	10565	18000	18000	5500	21990	13136	0	\$53,176
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	
III Powerpole Removal & Disposal									
Quantity	25	30	60	60	19	74	44	0	
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	0	
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
V Booster Pump Assembly Removal & Disposal									
Quantity	0	6	5	5	12	16	12	0	
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	\$0	\$13,888
VI Culvert Removal & Disposal									
Quantity (Feet)	150	1200	1000	1000	500	20	20	0	
Cost of Removal/Disposal (\$/Ft)	\$6.96	\$6.96	\$6.96	\$6.96	\$6.96	\$6.96	\$6.96	\$6.96	
Cost of Removal/Disposal (\$)	\$1,043	\$8,347	\$6,956	\$6,956	\$3,478	\$139	\$139	\$0	\$27,059
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	0	
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	\$0	\$15,820
TOTAL MISCELLANEOUS COST	\$8,275	\$51,927	\$22,756	\$13,966	\$15,734	\$13,894	\$12,999	\$0	\$139,551

