

June 18, 2022

Mr. Holland Shepherd
Program Manager
Mining Act Reclamation Program
Mining and Minerals Division
New Mexico Energy Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

Subject: Supplemental Submission of the 2022 Cost Estimate, Closeout/Closure Plan, Mine Permit Revision Application for Mining Act Permit No. CI002RE, Rio Grande Resource Corporation, Mt. Taylor Mine

Dear Mr. Shepherd,

Please find attached Rio Grande Resources' (RGR) cost estimate for the 2022 Closeout/Closure Plan. The Closeout/Closure Plan was submitted with the mine permit revision application for the Mt Taylor Mine, Permit No. CI002RE.

The detailed cost estimate is contained in Appendix E (attached) and intended to be inserted into the Closeout/Closure Plan previously submitted. The 2022 Cost Estimate is summarized by category below:

Direct Cost =	\$10,418,825
Indirect Cost =	\$ 3,370,269
Direct + Indirect Cost =	\$13,789,093
Location Cost Adjustment=	0.877
Total Adjusted Direct + Indirect =	\$12,093,035
New Mexico Gross Receipts Tax	\$ 823,838
Total Direct + Indirect, Location-adjusted, with NMGR =	\$12,916,873
Inflated for Price Increases to 2022 (by 7.65% per CPI) =	\$ 987,581
Inflation adjusted for unit price increases 2019 to 2022 =	\$13,904,454



The cost estimate also includes cost projections over three additional years with CPI-projected annual escalation.

If you have any questions, please contact me at (505) 287-7971 or by email at bruce.norquist@ga.com. A hard-copy of this document is also being sent by regular mail.

Sincerely,

A handwritten signature in black ink that reads "Bruce R. Norquist". The signature is written in a cursive style with a large initial "B" and a long, sweeping tail on the "t".

Bruce Norquist
Facilities Manager, Mt. Taylor Mine
Rio Grande Resources Corporation

APPENDIX E

COST ESTIMATE FOR MT. TAYLOR MINE CLOSEOUT/CLOSURE PLAN

2022 COST ESTIMATE - MT TAYLOR MINE CLOSEOUT/CLOSURE PLAN

Item #	Description	Material(s)	Units	\$/Unit	Quantity	Cost/\$	Task Roll-up	Cost Reference	Reference
1	Direct Reclamation Costs								
1.1	Shaft Closures						\$ 1,216,835		
1.1.1	Production Shaft Headframe Removal	Structural steel			quoted cost	\$ 658,140		Wesco; EES 10/31/21	
1.1.2	Manway Shaft Headframe Removal	Structural steel					Removed 1/22		
1.1.3	Cut headframe steel	Structural steel	cuts	\$ 48.80	819	\$ 39,967		RSM 05 05 21.10 0150	assume 20 lengths per cut
1.1.4	Load, Haul, Dump headframe steel	Structural steel	Hr	\$ 175.19	135	\$ 23,728		RSM 01 54 33	CAT 950, 5 1/4 CY , load and haul, 100 LF/hr
1.1.5	Production Shaft and Vent Closure				quoted cost	\$ 320,000		MES, 3/25/2022	
1.1.6	Manway/ Ventilation Shaft Closure				quoted cost	\$ 175,000		MES, 3/25/2022	
1.1.7	Access/ Utility Tunnels						Retained for PMLU		
1.2	Deeps Wells and Conduits						\$ 2,388,614		
1.2.1	Mine Conduits	2 steel casings	ft	\$ 32.02	6,400	\$ 204,946		Stewart Bros. Drilling	plugging per 19.27.4 NMAC
1.2.2	Deep Wells								
	Deep Aquifer Monitoring Wells	7 wells	ft	\$ 32.02	24,056	\$ 770,341		Stewart Bros. Drilling	plugging per 19.27.4 NMAC
	Deep wells	14 wells	ft	\$ 32.02	44,135	\$ 1,413,327		Stewart Bros. Drilling	plugging per 19.27.4 NMAC
1.3	Surface Facilities Demolition						\$ 1,152,356	Dispose of contaminated demolition debris in disposal cell expansion pits	
1.3.1	Compressor Building	Steel Frame and siding					Removed 12/21		
		concrete slab - break up, remove to disposal cell	SF	\$ 9.68	1,620	\$ 15,682		RSM 02 41 16.17 0440	assume 0.5 ft thickness
1.3.2	York Chiller Refrigeration Equipment and Building	Steel Frame and siding					Removed 4/21		
		concrete slab - break up, remove to disposal cell	SF	\$ 9.68	5,000	\$ 48,400		RSM 02 41 16.17 0440	assume 0.5 ft thickness
1.3.3	Chiller Electrical Building	Steel Frame and siding					Removed 4/21		
		concrete slab - rubblized, remove to disposal cell	SF	\$ 0.16	600	\$ 96		RSM G1030 150 6200	assume 0.5 ft thickness
1.3.4	Pump Building (Chill Water Pump House)	Steel Frame and siding					Removed 4/21		
		concrete slab - break up, remove to disposal cell	SF	\$ 9.68	960	\$ 9,293		RSM 02 41 16.17 0440	assume 0.5 ft thickness
1.3.5	Shaft Heating Building	Steel Frame and siding					Removed 12/21		
		concrete slab, retain and cover					Retained for PMLU		
1.3.6	Hoist House						Retained for PMLU		
1.3.7	Service Building (Office and Warehouse)						Retained for PMLU		
1.3.8	Electrical Building						Retained for PMLU		
1.3.9	Water Treatment and Boiler Building	Steel Frame and siding					Removed 9/20		
		concrete slab - rubblized, remove to disposal cell	SF	\$ 0.16	3,100	\$ 496		RSM G1030 150 6200	assume 0.5 ft thickness
1.3.10	Fuel Pump House						Removed 4/21		
		concrete slab - rubblized, remove to disposal cell	SF	\$ 0.16	150	\$ 24		RSM G1030 150 6200	assume 0.5 ft thickness

1.3.11	Fuel Storage Tanks						Removed 2/20		
		concrete slab - rubblized, remove to disposal cell	SF	\$ 0.16	150	\$ 24		RSM G1030 150 6200	
1.3.12	Storage Buildings	Steel Frame and siding					Removed 12/21		
		concrete slab, 28' X 30"					Retained for PMLU		
1.3.13	Glycol Heat Exchanger	Steel Frame and siding					Removed 10/20		
		concrete slab- rubblize and cover wuth soil	SF	\$ 0.99	1,500	\$ 1,485		RSM 02 41 16.17 0440	assume 0.5 ft thickness
1.3.14	Chlorine Building	concrete block					Removed 8/21		
		concrete slab - rubblized, remove to disposal cell	SF	\$ 9.68	1,162	\$ 11,243		RSM 02 41 16.17 0440, 5000	assume 0.5 ft thickness
1.3.15	Flocculant Treatment Building	Steel Frame and siding					Removed 3/21		
		concrete slab - rubblized, remove to disposal cell	SF	\$ 0.16	690	\$ 110		RSM G1030 150 6200	assume 0.5 ft thickness
1.3.16	Barium Chloride Treatment Facility	Steel Frame and siding					Removed 3/21		
		concrete slab - rubblized, remove to disposal cell	SF	\$ 9.68	1,000	\$ 9,680		RSM 02 41 16.17 0440, 5000	assume 0.5 ft thickness
1.3.17	Ion Exchange Building	Radiological characterization & decon	hr	\$ 98.00	160	\$ 15,680		Contractor Quote (Trinitech)	
		Remove, crush, load tanks and pipe	hr	\$ 312.94	59	\$ 18,463		RSM 01 54 19.50 0100, 33 60 2400, 33 40 8200, 33 60 2400	
		Haul and dump in disosal cell	hr	\$ 88.38	59	\$ 5,214		RSM 01 54 33 20 5300	
		Steel frame and siding	CF	\$ 0.22	392,000	\$ 85,064		RSM 02 41 16.13 0500, 5000	
		concrete slab - break up, remove to disposal cell	SF	\$ 9.68	9,800	\$ 94,864		RSM 02 41 16.17 0440, 4200	assume 0.5 ft. thickness
1.3.18	Mine Water Treatment Pond Hydraulic Structures	concrete	CY	\$ 78.80	80	\$ 6,304		RSM 03 05 05.10 0050	
1.3.19	Mine Car Rails	Narrow gauge steel rails					Removed 3/21		
	Concrete base for rail	soil cover included in grading					Removed 3/21		
1.3.20	Shaft Exhaust Fans and Vents	light structural steel, sheet metal					Removed 1/22		
1.3.21	Cooling Towers	Steel frame and plate					Removed 12/21		
		concrete slab - rubblized, remove to disposal cell	SF	\$ 0.16	1,875	\$ 300		RSM G1030 150 6200	assume 0.5 ft thickness
1.3.22	Mine Water Discharge Pipes	12in. Sch 40 steel	LF	\$ 1.93	3,000	\$ 5,790		RSM 02 41 13.40 0150	remove only the portions of pipes extending beyond the tunnel. 0.1 ft3/ ft
1.3.23	Treated Water Discharge Pipeline	steel, 24 inch diameter, no re-cycle	LF	\$ 27.02	22,757	\$ 614,889		RSM 22 05 05.10 2155; http://www.engineeringtoolbox.com/ansi-steel-pipes-d_305.html ; RSM 22 05 05.10 2220	no scrap value. Pipe contaminated. Bury on mine site.
1.3.24	Manholes and culverts						Retained for PMLU		
1.3.25	Non-contaminated debris hauling and dumping/ stacking for salvage or disposal in pond basins	various	CY	\$ 2.90	3,897	\$ 11,301		RSM 31 23 23.20 5130	assume 1 cf debris per 1sf of building floor area. 2000 ft average cycle distance
1.3.26	Fire Equipment Building						Remoted 3/21		
		concrete slab, rubblize, soil cover in place	SF	\$ 0.99	648	\$ 642		RSM 02 41 16.17 0440	assume 0.5 ft thickness
1.3.27	Carpenter Shop	Steel frame, siding					Removed 10/20		
		concrete slab - rubblized, remove to disposal cell	SF	\$ 0.16	1,080	\$ 173		RSM G1030 150 6200	assume 0.5 ft thickness

1.3.28	Core Storage Building	Steel frame, siding	CF	\$ 0.22	60,800	\$ 13,194		RSM 02 41 16.13 0500, 5000	
		concrete slab, break up, soil cover in place	SF	\$ 0.99	3,800	\$ 3,762		RSM 02 41 16.17 0440	assume 0.5 ft thickness
1.3.29	Fan Shop	Steel frame, siding	CF	\$ 0.22	14,400	\$ 3,125		RSM 02 41 16.13 0500, 5000	
		concrete slab, break up, soil cover in place	SF	\$ 0.99	1,200	\$ 1,188		RSM 02 41 16.17 0440	assume 0.5 ft thickness
1.3.30	Fuel Pump House	Steel frame, siding					Removed 4/21		
		concrete slab - rubblized, remove to disposal cell	SF	\$ 0.16	150	\$ 24		RSM G1030 150 6200	assume 0.5 ft thickness
1.3.31	Sanitary Treatment Plant	Pipe and wooden shed	CF	\$ 1.75	2,000	\$ 3,500		RSM 02 41 16.13 0500, 5000	removed surface pipes and pump shed, disposed in subgrade tanks. Backfill
		Backfill below-grade concrete tanks with clean	BCY	\$ 4.09	704	\$ 2,879		RSM 31 23 16.50 2430: Caterpillar Performance Handbook	
1.3.32	Car (Maintenance) Shop	Steel frame, siding	CF	\$ 0.22	450,000	\$ 97,650		RSM 02 41 16.13 0500, 5000	
		concrete slab, break up, soil cover in place	SF	\$ 0.99	15,000	\$ 14,850		RSM 02 41 16.17 0440	assume 0.5 ft thickness
1.3.33	CMP tunnel to Car Shop	cementitious slurry with >50% soil, > 50 PSI to fill	CY	\$ 80.00	712	\$ 56,968		RSM 03 31 13.35 4200; 0305 13.30; 03 05 13.20 6000; NRMCA Guide	
1.3.34	Portable Building						Removed 11/20		
1.3.35	Guard House						Retained for PMLU		
1.3.36	Septic Tank and Leach Field						Retained for PMLU		
1.3.37	Water Tank						Retained for PMLU		
1.4	Earthwork						\$ 516,410		20 % swell of BCY to LCY assumed
1.4.1	Ore Pad and Ore Pad Runoff Retention Pond						Ore Removed 04/22		
	Excavate contaminated soil	contaminated soil	BCY	\$ 1.27	91,400	\$ 116,078		RSM 31 23 16.42 0305; 31 23 23.20 0016	4.5 cy excavator
	Load, haul, place sediment in disposal cell	contaminated soil	LCY	\$ 3.65	109,680	\$ 400,332		RSM 31 23 16.42 5300; 31 23 23.20 0016	120320 CY.; , 8 CY TRUCK; EL 120320
1.4.2	Excavation of Contaminated Soil (to be placed in disposal cell)						\$ 1,315,704		
	Mine Water Treatment Pond Area (less pond basins)	total pond area less pond basins	BCY	\$ 5.36	29,100	\$ 155,976		RSM 31 23 16 46 6006, 31 23 16 42 1650, 31 23 23 20 0016	D-10 DOZER, 8 CY TRUCK, 5 CY LOADER; area defined by ERG survey 2020
	Treated Water Discharge Pipeline corridor	contaminated soil	BCY	\$ 5.98	8,400	\$ 50,232		RSM 31 23 16.42 1601; RSM 31 23 23 0020	est. 4.3 mi x 30 ' x 0.5 ' to be excavated
	County Road 334 and other roads on mine site	gravel and soil	BCY	\$ 5.36	12,000	\$ 64,320		RSM 31 23 16 46 6006, 31 23 16 42 1650, 31 23 23 20 0017	
	Service and Support Area including shaft areas	Excavate	BCY	\$ 2.87	106,950	\$ 306,947		RSM 31 23 16.46 6035; Caterpillar Performance Handbook	CAT D11, < 200 ft push.
		Load, haul, place in Disposal Cell	LCY	\$ 3.65	128,340	\$ 468,441		RSM 31 23 16.42 5300; 31 23 23.20 0016	120320 CY.; , 8 CY TRUCK; EL 120320
	Diesel-contaminated Soil	Excavate	BCY	\$ 1.27	7,400	\$ 9,398		RSM 31 23 16.42 0305; 31 23 23.20 0016	4.5 cy excavator
		Load, haul, place sediment in disposal cell	LCY	\$ 3.65	8,880	\$ 32,412		RSM 31 23 16.42 5300; 31 23 23.20 0016	EL 120320; , 8 CY TRUCK; EL 120320
	Continental Divide Coop Substation	Excavate	BCY	\$ 1.27	1,850	\$ 2,350		RSM 31 23 16.42 0305; 31 23 23.20 0016	4.5 cy excavator
		Load, haul, place sediment in disposal cell	LCY	\$ 3.65	2,220	\$ 8,103		RSM 31 23 16.42 5300; 31 23 23.20 0016	EL 120320; , 8 CY TRUCK; EL 120320
	Disposal Cell Expansion Pit Area	Dozer excavate and haul 150 ft	BCY	\$ 2.78	9,300	\$ 25,854		RSM 31 23 16 46 6030	D 10 DOZER,

	North of Marquez Arroyo (Area C)	wind-blown sediment	BCY	\$ 6.37	25,000	\$ 159,250		RSM 31 23 16 46 6006, 31 23 16 42 1650, 31 23 23 20 0019	D 10 DOZER, 8 CY TRUCK, 5 CY LOADER; EL 120321
	South Storm Water Pond	contaminated soil	BCY	\$ 4.97	3,000	\$ 14,910		RSM 31 23 16 46 6006, 31 23 16 42 1650, 31 23 23 20 0014	Table 4.3
	Other areas including MWTU pond area	contaminated soil	BCY	\$ 4.97	3,000	\$ 14,910		RSM 31 23 16 46 6006, 31 23 16 42 1650, 31 23 23 20 0014	area from survey, assuming ave. 0.5 ft thick
	Excavate, load, haul, dump sediment from Pond 2 and 3 liners on waste pile	Vacuum pond sediments in ponds 2 and 3, discharge in	days	\$ 1,301.00	2	\$ 2,602		RSM B-6A Crews	vacuum truck, small dozer
1.4.3	Water Treatment Ponds and Ore Runoff Retention Pond Backfill					\$ 682,078			
	Remove Ponds 2 and 3 HDPE liners from anchor trenches and tops of pond slopes	fold HPDE membrane into in ponds 2 and 3 pond to 4	SF	\$ 0.08	18,360	\$ 1,401		RSM B-6, B-10T Crews	laborers, operator, backhoe, truck, dozer for 2000 SF/hr;
	Remove hydraulic control structures above final grade	concrete	CY	\$ 118.70	180	\$ 21,366		RSM 03 05 05.10 0060	excavator with hydraulic hammer
	Pond backfill by pond berm excavation and placement as backfill (MWTU Ponds 1, 2,3 ,4, 5, 6, 7,and 8 and the Ore Pad Mine Water Treatment Pond Area cut/fill outside of pond basins	balanced cut and fill in MWTU and ore pad areas total pond area less pond basins	BCY	\$ 2.87	162,000	\$ 464,940		RSM 31 23 16.46 6035; Caterpillar Performance Handbook	CAT D11, < 200 ft push. reduction from 2013 volumes due to lowering of final
			BCY	\$ 3.34	58,195	\$ 194,371		RSM 31 23 16.50 2420: Caterpillar Performance Handbook	
1.4.4	Waste Pile/Disposal Cell Buildout Stabilization (from 11.5 to 25 Acres)					\$ 1,750,247			
	Prepare base for expansion	clear and prepare base of expansion area	acres	\$ 2,178.00	14	\$ 29,403		RSM 31 22 13.20	
	Excavate below-grade pits 1 and 2	clean soil	BCY	\$ 1.27	44,000	\$ 55,880		RSM 31 23 16.42 0305	use excavated soil for disposal cell cover and general fill
	Place and compact disposal cell berms	contaminated soil	BCY	\$ 1.85	4,630	\$ 8,565		RSM 31 23 16.46 6010; Caterpillar Performance Handbook	cell and berm dimensions per Fig. 4-1 and 4-2 dozer tread compaction on 50 ft haul.
	Excavate, load , and haul remaining liner soil for expansion to 25 acres, including below-grade pits	clean clayey soil	BCY	\$ 4.97	21,780	\$ 108,247		RSM 31 23 16.50 2430: Caterpillar Performance Handbook	for expansion to 25 acres. 1.0 ft clay over 13.5 acres
	Place and compact remaining disposal cell and pits liner	clean clayey soil, 13.5 acres beyond original 11.5	LCY	\$ 2.77	26,136	\$ 72,397		RSM 31 23 16.46 6006 and 31 23 23 23 5620; Caterpillar Performance Handbook	CAT D11, max. 50 ft push; 1.0 ft across cell surface; sheepsfoot compaction;
	Excavate cover soils from borrow areas	Clay and loam for 4 ft cover	BCY	\$ 1.46	87,120	\$ 127,195		RSM 31 23 16 0300	excavator with 3 cy bucket
	Load, haul, and place cover soils	contaminated soil	LCY	\$ 2.63	104,544	\$ 274,951		RSM 31 23 23 0016	haul one mile RT. 2 ft clay and 2 ft loam
	Cover compaction - disposal cell and top of pile	Clay radon barrier and loam vegetative layer	LCY	\$ 1.49	52,272	\$ 77,885		RSM 31 23 23.23 5640; Caterpillar Performance Handbook	compact clay only
	Cover grading	Top of Loam	acres	\$ 774.40	14	\$ 10,454		RSM 31 22 16.10 3300	
	Erosion control mat	Curlex or equal	SY	\$ 0.87	121,000	\$ 105,270		RSM 31 25 14 0100	
	Flowable fill in debris trenches	Flowable fill with >50% soil, > 50 PSI to fill in and	CY	\$ 80.00	11,000	\$ 880,000		RSM 03 31 13.35 4200; 0305 13.30; 03 05 13.20 6000; NRMCA Guide	stack pipe edge to edge in rows. Fill each pipe with debris when placing at tilt, then
1.4.5	Riprap and Water Bars					\$ 107,841			placed as needed on waste pile and channels, using all recycled concrete and concrete broken by hydraulic pulverizer during facility demolition; CAT 980 with 5
	Concrete debris - crushing, loading	concrete, rock	CY	\$ 9.11	2,500	\$ 22,775		RSM G1030 150 7000	
	Screening (all crushed rock for riprap)	concrete, rock	day	\$ 610.35	20	\$ 12,207		RSM 01 54 33 3710	150-200 CY/day
	Crushed rock and concrete hauling	local rock	CY	\$ 2.63	3,496	\$ 9,194		RSM 31 23 23.20 0016	
	Riprap on drainage bench and south slope	broken concrete, rock	CY	\$ 28.57	795	\$ 22,713		RSM 31 37 13.10 0200	
	Placing channel riprap	concrete, rock	SY	\$ 28.57	889	\$ 25,396		RSM 31 37 13.10 0200	1500 CY machine placed, 2 ft thick
	Placing on waste pile slope	concrete, rock mulch	SY	\$ 9.68	1,607	\$ 15,556		RSM 32 91 13.16 1200	placed on slope for rock mulch or spreading in finish grading
1.4.6	Finish grading					\$ 130,189			pond/ ore pad/ borrow area +surface facilities + waste pile
	Service and Support Area		acres	\$ 774.40	55	\$ 42,205		RSM 31 22 16.10 3300	AutoCad measured

	South Storm Waver Pond		acres	\$ 774.40	4	\$ 2,904		RSM 31 22 16.10 3300	AutoCad measured
	Mine Water Treatment Pond area		acres	\$ 774.40	28	\$ 21,683		RSM 31 22 16.10 3300	AutoCad measured
	Ore pad and pond and borrow soil area A		acres	\$ 774.40	11	\$ 8,480		RSM 31 22 16.10 3300	AutoCad measured
	Waste pile, disposal cell	waste pile and adjacent area	acres	\$ 774.40	25	\$ 19,360		RSM 31 22 16.10 3300	AutoCad measured: calc MT12-08-B
	Treated Water Discharge Pipeline corridor north of mine site		acres	\$ 774.40	15	\$ 11,616		RSM 31 22 16.10 3300	measure by Google Earth
	North of Marquez Arroyo - Area C		acres	\$ 774.40	14	\$ 10,842		RSM 31 22 16.10 3300	AutoCad measured
	Affected Areas - Borrow Area B, CR 334, other roads and well pads		acres	\$ 774.40	11	\$ 8,828		RSM 31 22 16.10 3300	AutoCad measured
	Bench wall slope reduction	rock excavation	BCY	\$ 2.31	1,852	\$ 4,272		RSM 31 23 16.42 0300; RSM 01 54 33 20 0347; Caterpillar Performance Handbook	drag slope to flatten from vertical to 1H:1V, all rock. CAT 320 excavator with hydraulic
1.5	Revegetation					\$ 569,840			
1.5.1	Seeding	seed and drilling	acres	\$ 1,071.47	140	\$ 150,006		RSM 32 92 19.14 5700; ROADS REVEGETATION COST	finish-graded area
1.5.2	Mulching and Fertilizing		acres	\$ 2,317.39	140	\$ 324,435		RSM 32 91 13.16 0350, RSM 32 01 90.13 0140	finish-graded area
1.5.3	Fencing	additional fence	LF	\$ 1.49	4,450	\$ 6,627		WYDEQ, App. H	chain link fence around final pond and waste pile areas
1.5.4	Vegetation Monitoring	vegetation consultant	hrs	\$ 98.64	900	\$ 88,772		Contractor Price Quote (Enchanted Seeds LLC, 2021)	includes field work and report for monitoring events
1.6	Environmental Controls (temporary)					\$ 588,711			
1.6.1	Dust control	water truck	hours	\$ 71.97	1,400	\$ 100,758		RSM 01 54 33 40 6950	
1.6.2	SWPPP implementation	silt fence	LS	\$ 1.00	5,000	\$ 5,000		RSM 31 25 14.16 1000	
1.6.3	Erosion Monitoring	consultant for post-closure monitoring	Event	\$ 1,183.63	80	\$ 94,690		Contractor Price Quote (Enchanted Seeds LLC, 2021)	includes field work and report for monitoring events
1.6.4	Post Closure Environmental Maintenance	consultant for post-closure monitoring	Event	\$ 12,280.53	24	\$ 294,733		Contractor Price Quote (Enchanted Seeds LLC, 2021)	includes field work, equipment and materials
1.6.5	Radiation Surveys and Monitoring	Consultant for Post-Closure Monitoring	hours	\$ 141.93	659	\$ 93,530		Contractor Price Quote (ERG, 2020)	includes field work and reports
Total Direct Cost						\$ 10,418,825			

- Notes:** (1) RSM = RS Means Heavy Construction Cost Data 2019
(2) Cost includes loading and hauling 1 mi. RT
(3) Demolition cost per cubic foot = 2.5 cy excavator \$82.64/hr (RSM 01 54 33 20 0200) + Shear \$15.95/hr (RSM 01 54 33 20 0347) + two operators \$57.45/hr @ (RSM Crew A-3H) + labor crew \$84.1/hr (RSM Crew B-1) + Skid steer with grapple \$51.7/hr (RSM 01 54 33 4890), = \$349.29/hr, 200 cf/hr=\$1.75/cf. Volume base on 1 cf/sf of floor area.

2	Indirect Reclamation Costs (IRC)	Percentage Rate	2019 Cost
2.1	Mobilization and Demobilization (RSM only)	3%	\$ 188,689.97
2.2	Contingencies	10%	\$ 1,041,882.46
2.3	Engineering Redesign Costs	3%	\$ 312,564.74
2.4	Contractor Profit and Overhead (RSM only)	10%	\$ 628,966.56
2.5	Closeout Plan Management	3%	\$ 312,564.74
2.6	MMD Procurement Cost (2%-10%)	2%	\$ 208,376.49

2.7	Contract Administration	2%	\$ 208,376.49
2.8	Performance & Payment Bonds:	3%	\$ 312,564.74
2.9	Liability Insurance:	1.5%	\$ 156,282.37
Total IRC (2019)		38%	\$ 3,370,269

Total Direct + IRC (2019)		\$ 13,789,093
Location Cost Index - Cost adjustment to RS Means 2019 costs based on location versus national averages		0.877
Total Direct + Indirect Reclamation Cost, Location adjust.		\$ 12,093,035
New Mexico Gross Receipts Tax (NMGR)	Rate = 0.0681	\$ 823,838
Total Direct + Indirect Reclamation Cost, Location adjust., w\ NMGR		\$ 12,916,873
Inflated for Price Increases to 2022 Dollars (since 2019) by 7.65% per CPI *		\$ 987,581
Total Direct + IRC, Location adjust., w\ NMGR and CPI adjust. (2022)		\$ 13,904,454

Year	# of yrs. from 2022	Future Cost
2023	1	\$ 14,259,018
2024	2	\$ 14,622,623
Total Direct + IRC, Location adjust., w\ NMGR and CPI adjust. (2022) Inflated to 2025 Dollars (CPI) *		\$ 14,995,500

* Rate, i, per CPI-U, as of 6/15/2022

Year	CPI Index	Yearly Change
2015	243.015	
2016	247.705	
2017	254.738	
2018	263.263	
2019	270.350	
2020	275.057	0.0174
2021	287.494	0.0452
2022 (May)	291.470	0.0138
Cumulative increase 2019 - 2022		7.65%
Estimate average annual increase 2022 - 2025		2.55%

Notes:

- 1) Based on average annual Consumer Price Index 2019-2022 per:
[Consumer Price Index News Release - 2022 M04 Results \(bls.gov\)](#)
- 2) Future cost, $F=P*(1+i)^n$, Assuming 2.55% Inflation After 2022
- 3) All items in West urban, all urban consumers, not seasonally adjusted. Base Period: 1982-84=100
- 4) CPI for All Urban Consumers (CPI-U) Series Id: CUUR0400SA0, CUUS0400SA0