

April 2, 2024 Reference No. 22-30

Arizona State Mine Inspector Amanda Lothner, Reclamation Specialist 1700 W. Washington, Suite 403 Phoenix, AZ 85007-2805

Re: Reclamation Plan for Desert Construction, Inc. Hackberry Material Source

Dear Ms. Lothner:

Enclosed please find two copies of the revised pages for the Reclamation and Closure Plan for the Hackberry Material Source in response to your January 8, 2024 Technical Comments. The following changes have been made:

- 1. Section 3.8 has been updated to clarify the timing of reclamation, cite A.R.S. §27-1226 and identify that there are no hazardous conditions, as requested.
- 2. The cost estimate has been updated to reflect one annual site visit, that the source of unit costs are recommended ARPA rates from their equipment survey, and that no concrete or infrastructure is in place (including the mobile office trailer), so no removals are needed.

Please feel free to contact me in regards to any questions. Sincerely,

HIMES CONSULTING, LLC

Jill A. Himes

cc: Tom Fulton, Desert Construction, Inc.

3.7 THE PROPOSED RECLAMATION MEASURES TO ACHIEVE POST MINE LAND USE AND PUBLIC SAFETY

- A. What measures will restrict public access to pits or other hazardous surface features? As the mined slopes are proposed at 3:1 (H:V), no hazardous surface features are anticipated to remain after reclamation. Fencing is not proposed per landowner request. In addition, all scrap metal, wood, trash and other debris that pose a threat to public safety or create a public nuisance will be removed from the project site.
- B. What measures will be taken to address erosion control and stability?

 Site-specific grading shall be conducted, as necessary, to address erosion. No permanent piles of mined material or overburden will remain. If stockpiles remain onsite at closure due to unforeseen circumstances, grading of stockpiles has been included in the cost estimate (Appendix 1). Slope stability at a 3:1 (H:V) slope is incorporated into the mining plan.
- C. What measures will be taken to address revegetation, conservation, and the care and monitoring of revegetated areas?

 Scarification would promote natural revegetation which occurs in the region. As

revegetation is not proposed, monitoring of revegetated areas is not required.

3.8 TIMELINE AND PHASING OF RECLAMATION

In accordance with A.R.S. § 27-1226, reclamation & monitoring will be completed within one year of cessation of mining. Proposed tentative schedule includes:

- Mining operations are anticipated to continue for 15 years until 2039.
- Reclamation on the processing and related areas will commence immediately upon completion of mining operations and is estimated to be completed within one year (estimated 2040).
- Year 1 includes equipment removal, processing area cleanup, grading, scarification to promote natural revegetation, and annual monitoring (trash removal, natural revegetation monitoring).
- Reclamation will be deemed complete once the reclaimed surfaces have been regraded to
 a safe and stable condition, scarification has been conducted, and ASMI verifies that the
 owner or operator has fulfilled the requirements of the approved reclamation plan. As
 no hazardous surface features will remain after reclamation, no measures to restrict
 access are proposed.

3.9 RECLAMATION COSTS - FINANCIAL ASSURANCE

All reclamation costs will be wholly born by the applicant. Financial surety will be obtained by bonding.

HACKBERRY MATERIAL SOURCE

Reclamation Construction Estimate

4/2/2024

Hackberry Material Source - portions of Section 11, T. 23N, R 14W, G&SRM, Mohave County, Arizona

Excavation Areas are approximately 82.3 acres.

As there are no concrete pads or infrastructure at the site, no removals are required.

ARPA unit cost estimates are utilized

Proposed Reclamation Cost Estimation Summary - WorkSheet

	110pos	de Acciamation Cost Estimation Summi	ily - Worksheet	Number of		
Reclamation Item	Units	Description	Suggested Cost	Units	Reclamation Cost	
Excavation, Processing and Stockpil	e Areas					
	Cu., Yd.,	Re-Grading and leveling (ponds)	0,53	2,600.0	\$ 1,378	
	Acre	Revegetation Cost (Disc)	728,40	82.30	\$ 59,947	
	Acre	Revegetation Cost (Hydro-seed)			\$ -	
	Each	Containerized Trees and Shrubs			\$ -	
Roads (Access)						
(Roads with Side Slope < 30%)	Linear Ft.	Re-Grading and Topsoiling Costs	2,04	3,000.0	6,120.0	
(Roads with Side Slope >30%)	Linear Ft	Re-Grading and Topsoiling Costs			s .	
	Acre	Regrading - Ripping	728,40	1.7	\$ 1,200	
	Acre	Revegetation Cost (Hydro-seed)			\$ -	
Structures						
(Break-up and bury Slab)	Sq. Ft.	Demolition & Removal - Metal Building			S -	
(Break-up and bury Slab)	Sq. Ft.	Demolition & Removal - Masonry Block Building			s .	
(Break-up and bury Slab)	Sq. Ft.	Demolition & Removal - Concrete Building			\$.	
	Linear Mile	Powerline Removal (Single Pole Utility)			\$ -	
	each	Transformer Removal			s -	
	Linear Ft	Demolition - Chain Link Fencing			\$ -	
	Linear Ft.	Demolition - Barb Wire Fencing (3 strand)			S -	
	Linear Ft	Removal - 15" Culvert			\$	
	Linear Ft	Removal - 36" Culvert			\$ -	
(Break-up and bury)	Square Feet	Demolition - Concrete Pads/Roads 12" Thickness			\$ -	
Construction						
	Linear Ft	Construction - Barb Wire Fencing (3 strand)	2,26		. 2	
	Sq. Yard	Install Rip Rap Erosion Lining	28,50		Š -	
Material Haulage for Backfill						
Miscellaneous Leveling	Cu, Yard	Truck and Loader - 2000Ft, One Way	1,24		S -	
	Cu. Yard	Dozer and Scraper - 1000Ft, One Way	0.86		\$ -	
Care and Maintenance				12====0		
	Ton	Trash Disposal	72.00	1	\$ 100	
	Each	Site Monitor and Reporting	2,400.00		\$ 2,400	
		E-the-tal Balance On the	.136 4 2 1 (0.036)	G 461 m 41		
		Estimated Reclamation Operating a	ma Materiai (O&M)	Cost Sub-1 ofai =	\$ 71,100	
Administrative Costs					24	
	% of O&M Cost	Contigency	10%		\$ 7,100	
	% of O&M Cost	General Mobilization / De-Mobilization	4%		\$ 2,800	
	% of O&M Cost	Indirect costs	2%		S 1,400	
	% of O&M Cost	Contractor Profit	10%		S 7,100	
	% of O&M Cost	Contract Administation	10%		\$ 7,100	
					Million methods and	
		Total Estimated I	inancial Assuran	ce Amount =	\$ 96,600	

PREPARED BY: RAYMOND W. STADLER, P.E.

NOTE: Information used to calculate the reclamation costs were current equipment rental rates from several equipment rental companies from ARPA survey.

Aggregate Mining Unit Operation Proposed Reclamation Cost Estimate Summary

Inflation 20%

Reclamation Item	Units	Description	2006 Typical Cost Range		mended ost	2024 T	vnical	Cost Range	Rec	ommended Cost
Pit Walls										
	Cu. Yd.	Re-Grading and Topsoiling Costs	\$ 0.39 - \$ 0.55	s	0.44	8	0 47	\$ 0.66	8	0.53
	Acre	Revegetation Cost (Disc)	s 600 - s 900	\$	607	\$ 72	0 00	\$ 1,080,00	s	728 40
	Acre	Revegetation Cost (Hydro-seed)	\$ 1,175 - \$ 1,372	s	1.175	\$ 1.41	0 00	\$ 1,646.40	2	1,410.00
	Each	Containerized Trees and Shrubs	\$ 5 - \$ 30	\$	10	8	6.00	\$ 36.00	8	12 00
tockpiles,Overburden or Fines Areas				7.7		-				
	Cu. Yd.	Re-Grading and Topsoiling Costs	\$ 0.39 - \$ 0.55	\$	0.44	S	0.47	\$ 0.66	S	0.53
	Acre	Revegetation Cost (Disc)	\$ 600 - \$ 900	\$	607	s 72	0 00	\$ 1,080.00	S	728.40
	Acre	Revegetation Cost (Hydro-seed)	\$ 1,175 - \$ 1,372	5	1,175	\$ 141	0.00	\$ 1,646.40	s	1,410.00
	Each	Containerized Trees and Shrubs	\$ 5 - \$ 30	\$	10	S	6.00 =	\$ 36,00	S	12,00
oads (Access)						-				
Roads with Side Slope < 30%)	Linear Ft.	Re-Grading and Topsoiling Costs	\$ 1.21 = \$ 1.70	S	1.70	S	1.45	\$ 2.04	S	2.04
Roads with Side Slope >30%)	Linear Ft.	Re-Grading and Topsoiling Costs	\$ 2.55 \$ 5.42	\$	2.60	8	3 06 -	\$ 6.50	8	3.12
	Acre	Revegetation Cost (Disc)	\$ 600 = \$ 900	\$	607			\$ 1,080.00	\$	728.40
	Acre	Revegetation Cost (Hydro-seed)	\$ 1,175 - \$ 1,372	s	1,175	\$ 1,41	0.00	\$ 1,646.40	s	1,410.00
Structures						-				
Break-up and bury Slab)	Sq. Ft	Demolition & Removal - Metal Building	\$ 3.03 - \$ 3.40	\$	3.40	8	3.64	\$ 4.08	8	4.08
Break-up and bury Slab)	Sq. Ft.	Demolition & Removal - Masonry Block Building	\$ 3.50 - \$ 6.06	\$	3.50		4 20		5	4 20
(Break-up and bury Slab)	Sq. Ft.	Demolition & Removal - Concrete Building	\$ 15.86 - \$ 87.34	\$	15.86	S I	9 03 -	5 104.81	8	19.03
	Linear Mile	Powerline Removal (Single Pole Utility)	\$ 10,000	\$	000,01	\$ 12,00			s	12,000.00
	each	Transformer Removal	\$ 5,000 =	\$	5,000	\$ 6,00			\$	6,000.00
	Linear Ft	Demolition - Chain Link Fencing	\$ 3.47	\$	3_47		4.16		S	4-16
	Linear Ft.	Demolition - Barb Wire Fencing (3 strand)	\$ 1.94 - \$ 1.96	s	1.94			E 225		
	Linear Ft	Removal - 15" Culvert	\$ 10.29	\$	10.29	, i	2.33	\$ 2.35	\$	2,33
	Linear Ft.	Removal - 36" Culvert	\$ 17.15 -	\$	17.15		2 35			12,35
(Break-up and bury)	Sq. Ft.	Demolition - Concrete Pads/Roads 12" Thickness	6.78				0.58		5	20,58
break-up and outy)	Sq. rt.	Demonion - Concrete Pags/Roads 12" I nickness	0.78 -	\$	6.78	S	8 14 =		\$	8.14
Construction						-	-			
,	Linear Ft.	Construction - Barb Wire Fencing (3 strand)	\$ 1.88 - \$ 4.51	\$	L.88	S	2 26	\$ 5.41	8	2.26
	Sq. Yard	Install Rip Rap Erosion Lining	\$ 23.75 - \$ 54.69	\$	23.75	1.0	8 50		8	28.50
Material Haulage for Backfill	-4	motor top tup product parting	ψ 25,13 - ψ 37±09	-	23,15		0.50	05.03		20,30
	Cu. Yard	Truck and Loader - 2000Ft, One Way	\$ 1.03 - \$ 1.12	\$	1.03	Š	1 24 -	5 1.34	5	1.24
	Cu. Yard	Dozer and Scraper - 1000Ft. One Way	\$ 0.50 - \$ 0.72	\$	0.72		0 60		5	0.86
Care and Maintenance	50,700	2 See and Desaper - 100021, One Way	\$ 030 - \$ 07Z	Φ	11.12		o du	0.80	-	0.80
AND HAM MARINEMANCE	Топ	Trash Disposal	\$ 55.00 + \$ 65.00	\$	60.00	•	6.00	\$ 78.00	X	70.00
	Each	Site Monitor and Reporting								72.00
	T-0011	and widings and reporting	\$ 1,500 = \$ 3,000	\$	2,000	\$ 1,80	0.00	\$ 3,600,00	5	2,400.00

		Estimated Recisination Operating and Material (O&M) Cost Sub-1 of a Recisination Operating and Material (O&M) Cost Sub-1 of a										
Administrative Costs												
	% of O&M Cost	Contigency	7%	(=)	20%	10%	7%		20%	10%		
	% of O&M Cost	General Mobilization / De-Mobilization	1%		5%	4%	1%	*	5%	4%		
	% of O&M Cost	Indirect costs	2%	3	30%	2%	2%		30%	2%		
	% of O&M Cost	Contractor Profit	9%	\overline{x}	12%	10%	9%		12%	10%		
	% of O&M Cost	Contract Administation	10%	100	18%	10%	10%		18%	10%		

Total Estimated Financial Assurance Amount Total Estimated Financial Assurance Amount

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	Linear Ft	Demolition - Chain Link Fencing			\$ -	
	Linear Ft	Demolition - Barb Wire Fencing (3 strand)			\$ -	
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	Linear Ft.	Removal - 36" Culvert			\$	
(Break-up and bury)	Square Feet	Demolition - Concrete Pads/Roads 12" Thickness			S -	
Construction						
	Linear Ft.	Construction - Barb Wire Fencing (3 strand)	2,26		\$.	
	Sq. Yard	Install Rip Rap Erosion Lining	28,50		S -	
Material Haulage for Backfill						
Miscellaneous Leveling	Cu. Yard	Truck and Loader - 2000Ft. One Way	1,24		S -	
	Cu. Yard	Dozer and Scraper - 1000Ft, One Way	0,86		\$ -	
Care and Maintenance				-		
	Ton	Trash Disposal	72,00	1	\$ 100	
	Each	Site Monitor and Reporting	2,400,00		\$ 2,400	
		Estimated Reclamation Operating a	nd Material (O&M)	Cost Sub-Total =	\$ 71,100	
Administrative Costs						
	% of O&M Cost	Contigency	10%		\$ 7,100	
	% of O&M Cost	General Mobilization / De-Mobilization	4%		\$ 2,800	
	% of O&M Cost	Indirect costs	2%		\$ 1,400	
	% of O&M Cost	Contractor Profit	10%		s 7,100	
	% of O&M Cost	Contract Administation	10%		S 7,100	
		Consider Control of the Control of t	10/0		7,100	
		Total Estimated I	inancial Assuran	ce Amount =	\$ 96,600	
		L		/ AIII VMIII	30,000	

PREPARED BY: RAYMOND W. STADLER, P.E.

NOTE: Information used to calculate the reclamation costs were current equipment rental rates from several equipment rental companies from ARPA survey.

Aggregate Mining Unit Operation

Proposed Reclamation Cost Estimate Summary

Inflation 20%

Total Estimated Financial Assurance Amount

2006 Typical Cost Recommended Recommended Reclamation Item Units Description Cost Range 2024 Typical Cost Range Cost Pit Walls Cu, Yd Re-Grading and Topsoiling Costs \$ 0.39 = \$ 0.55 \$ 0.44 0.47 = \$ 0.66 0.53 Acre Revegetation Cost (Disc) 600 - \$ 900 \$ 607 720.00 - \$ 1.080.00 728 40 :5 Acre Revegetation Cost (Hydro-seed) \$ 1.175 - \$ 1.372 \$ 1.175 S 1 410 00 · S 1 646 40 1.410.00 Each Containerized Trees and Shrubs 5 - \$ 30 S 10 6.00 - \$ 36.00 12.00 Stockpiles, Overburden or Fines Areas Cu. Yd. Re-Grading and Topsoiling Costs \$ 0.39 - \$ 0.55 \$ 0.44 0.47 = S0.66 0.53 Revegetation Cost (Disc) Acre 600 - \$ 900 607 720 00 - \$ 1,080 00 \$ 8 728.40 Асте Revegetation Cost (Hydro-seed) \$ 1,175 - \$ 1,372 1,175 \$ 5 1 4 1 0 0 0 - \$ 1.646 40 1,410.00 Each Containerized Trees and Shrubs 5 - \$ 30 10 6.00 - \$ 12.00 Ronds (Access) (Roads with Side Slope < 30%) Linear Ft. Re-Grading and Topsoiling Costs \$ 1.21 - \$ 1.70 \$ 1.70 1 45 🐨 💲 2.04 8 2.04 (Roads with Side Slope >30%) Linear Ft. Re-Grading and Topsoiling Costs 2,55 - \$ 5.42 \$ 3.06 - 5 2.60 6.50 Acre Revegetation Cost (Disc) - 5 600 900 720.00 - \$ 1.080.00 607 728.40 Асте Revegetation Cost (Hydro-seed) \$ 1,175 - \$ 1,372 1.175 \$ 1.410.00 ÷ \$ 1.646.40 2 1.410.00 Structures (Break-up and bury Slab) Sq. Ft. Demolition & Removal - Metal Building \$ 3.03 - \$ 3.40 5 3.40 3.64 - \$ 4.08 Ś 4.08 (Break-up and bury Slab) Sq. Ft. Demolition & Removal - Masonry Block Building 3.50 - \$ 6.06 \$ 3.50 4.20 - \$ 7.27 4.20 (Break-up and bury Slab) Sq. Ft. Demolition & Removal - Concrete Building \$ 15.86 - \$ 87.34 15.86 19.03 = \$ 104.81 19 03 Linear Mile Powerline Removal (Single Pole Utility) \$ 10,000 10,000 \$ 12,000.00 each Transformer Removal \$ 5,000 -5,000 \$ 6,000.00 6.000.00 Linear Ft Demolition - Chain Link Fencing 3.47 3,47 4.16 4.16 Linear Ft, Demolition - Barb Wire Fencing (3 strand) L94 - \$ L96 1.94 2:33 - \$ 2 33 Removal - 15" Culvert \$ 10.29 10.29 12.35 Removal - 36" Culvert \$ 17:15 = 17.15 20.58 5 20.58 (Break-up and bury) Sq. Ft. Demolition - Concrete Pads/Roads 12" Thickness 6.78 -6.78 8 14 5 8.14 Construction Linear Ft Construction - Barb Wire Fencing (3 strand) \$ 1,88 - \$ 4,51 2.26 🕒 🕏 5.41 8 2 26 Sq. Yard Install Rip Rap Erosion Lining \$ 23.75 - \$ 54.69 23.75 65 63 28.50 Material Haulage for Backfill Cu Yard Truck and Loader - 2000Ft. One Way \$ 1.03 = \$ 1.12 s 1.03 1.24 🕞 😮 1.34 5 1.24 Cu. Yard Dozer and Scraper - 1000Ft, One Way 0.50 - \$ 0.72 0.60 - \$ 0.86 Care and Maintenance Ton Trash Disposal \$ 55.00 - \$ 65.00 \$ 60,00 \$ 66.00 - \$ 78.00 5 72.00 Each Site Monitor and Reporting \$ 1,500 - \$ 3,000 \$ 2,000 \$ 1,800.00 % \$ 3,600.00 5 2.400.00 Estimated Reclamation Operating and Material (O&M) Cost Sub-Total Reclamation Operating and Material (O&M) Cost Sub-Total Administrative Costs % of O&M Cost Contigency 7% 7% 20% 10% % of O&M Cost General Mobilization / De-Mobilization 1% 5% 4% 1% 5% 4% % of O&M Cost Indirect costs 2% 30% 2% 2% 30% 2% % of O&M Cost Contractor Profit 9% 12% 10% 9% 12% 10% % of O&M Cost Contract Administration 10% 18% 10% 10% 18% 10%

Total Estimated Financial Assurance Amount