Mine:		Lorencito					
NPDES	ID. No.:	Pond #5		<u> </u>			
Inspect	ion Period:	Third Quar	ter 2022	<u> </u>			
Inspect	ion Date:	8/10/2022		_			
Genera	l Description	or Reference to	Site Plan:				
bedroc	k and the em		of mining scheduled fo into bedrock. Side slop ainage.				to
EMBAN	IKMENT						
1. 2.	Erosion for	of the vegetative of the veget		Excellent Extensive	Moderate Some	Few Few	Poor None
3.	Or	ion causing erosion the upstream er	mbankment?	Yes		No	
	At	the principal spil	lway inlet?	Yes		No	X
4.	Erosion of t	the downstream t	oe of the embankment	? Yes		No	Χ
	Ca	use of erosion ca	n be attributed to:				
5.	Is seepage	occurring through	n the dam?	Yes		No	Х
	Co	ould this seepage	cause potential instabil	ity?			
PRINIC	PAL SPILLWA	ΑY					
1. 2. 3.	Is the inlet Is the disch	free of debris and arge outlet free o	em in working order? I restrictive material? If restrictive material?	Yes Yes Yes	X X X	No	
4.	Is erosion o	occurring at the di	scharge outlet?	Yes		No	Х
	Evaluate th	e severity:	Extensive	Moderate	Just Starting	None	

			NPDES ID. No.: 5
EMERG	ENCY SPILLWAY		
1.	Does it appear that the emergency spillway has	s discharged water since the la	ast inspection?
		YES	NO <u>X</u>
2.	Is erosion occurring at any section of the emerg	gency spillway?	
		YES	NOX
SEDMI	MENT STORAGE CAPACITY		
1.	Has the design storage capacity of the reservoir	r been surpassed? YES	NO <u>X</u>
	Explain: Sediment in pond does not appear to	be over capacity by visual ins	pection.
OTHER	OBSERVATIONS		
	Pond was nearly empty at time of inspection, ju	ust a small puddle of water by	decant.

Mine:		Lorencito		-			
NPDES I	D. No.:	Pond #6		-			
Inspecti	on Period:	Third Quarter 20)22				
Inspecti	on Date:	8/10/2022		<u>.</u>			
General	Description or Re	eference to Site P	lan:				
into bed		ankment keyed ir	ining scheduled for nto bedrock. Side sl		•	-	
EMBAN	KMENT						
1. 2.	Adequacy of the Erosion forming	Gullies:		Excellent Extensive	Moderate Some	Few Few	Poor None
3.	Is wave action ca On the u	using erosion: upstream embank	ment?	Yes		No	
	At the p	rincipal spillway i	nlet?	Yes		No	Х
4.	Erosion of the do	wnstream toe of	the embankment?	Yes		No	X
	Cause o	f erosion can be a	attributed to:				
5.	Is seepage occur	ring through the c	dam?	Yes		No	X
	Could th	nis seepage cause	potential instabilit	y?			
PRINICI	PAL SPILLWAY						
1.		oillway system in v	-	Yes	X		
2. 3.		f debris and restroutlet free of restr		Yes Yes	X		
3. 4.	_	ing at the dischar		Yes	^		X
	Evaluate the seve	erity:	Extensive	Moderate	Just Starting	None	

			NPDES ID. No.: 6
EMERG	ENCY SPILLWAY		
1.	Does it appear that the emergency spillway has disc	harged water since the las	t inspection?
		YES	NOX
2.	Is erosion occurring at any section of the emergency	spillway?	
		YES	NOX
SEDMI	MENT STORAGE CAPACITY		
1.	Has the design storage capacity of the reservoir bee	n surpassed? YES	NOX
	Explain: Visual observation		
OTHER	OBSERVATIONS		
OTTL		_	
	Pond was holding water but not discharging at time	of inspection.	

Mine:		Lorencito		<u> </u>			
NPDES	ID. No.:	Pond #7		<u> </u>			
Inspect	ion Period:	Third Quart	er 2022	<u> </u>			
Inspect	ion Date:	8/10/2022		_			
Genera	l Description or	Reference to S	ite Plan:				
into be		nbankment key	of mining scheduled fo ved into bedrock. Side nage.				
EMBAN	IKMENT						
1.	Adequacy of th	ne vegetative co	over:	Excellent	Moderate	Few	Poor
2.	Erosion formin	_		Extensive	Some	Few	None
3.	Is wave action	_					
		e upstream em				No	
	At the	e principal spilly	vay inlet?	Yes		No	Χ
4.	Erosion of the	downstream to	e of the embankment	t? Yes		No	X
	Cause	of erosion can	be attributed to:				
5.	Is seepage occ	urring through	the dam?	Yes		No	X
	Could	this seepage c	ause potential instabil	ity?			
PRINICI	PAL SPILLWAY						
1.			m in working order?	Yes	X		
2.			restrictive material?	Yes	X X		
3. 4.	Is the discharge		restrictive material?	Yes Yes			X
4.	13 61 031011 0000	irring at the dis	charge outlets	165		No	^
	Evaluate the se	everity:	Extensive	Moderate	Just Starting	None	

2. Is erosion occurring at any section of the emergency spillway? YES EDMIMENT STORAGE CAPACITY 1. Has the design storage capacity of the reservoir been surpassed? YES Explain: Visual observation	ed?	NO <u>X</u> NO <u>X</u>
Has the design storage capacity of the reservoir been surpassed? YES	ed? I	NO <u>X</u>
Has the design storage capacity of the reservoir been surpassed? YES YES YES YES YES YES YES YES YES	1	
YES	1	
Explain: <u>Visual observation</u>		NO <u>X</u>
OTHER OBSERVATIONS		
Pond was holding water but not discharging at time of inspection.	tion.	

NPDES ID. No.: 7

Mine:		Lorencito					
NPDES I	D. No.:	Pond #8		-			
Inspecti	on Period:	Third Quarter 20)22				
Inspecti	on Date:	8/10/2022					
General	Description or Re	eference to Site P	lan:				
into bed		ankment keyed ir	ining scheduled for nto bedrock. Side sl			-	
EMBAN	KMENT						
1. 2.	Adequacy of the Erosion forming	Gullies:		Excellent Extensive	Moderate Some	Few Few	Poor None
3.	Is wave action ca On the u	lusing erosion: upstream embank	ment?	Yes		No	Χ
	At the p	rincipal spillway i	nlet?	Yes		No	Х
4.	Erosion of the do	wnstream toe of	the embankment?	Yes		No	X
	Cause o	f erosion can be a	ttributed to:				
5.	Is seepage occur	ring through the c	dam?	Yes		No	X
	Could th	nis seepage cause	potential instabilit	y?			
PRINICI	PAL SPILLWAY						
1.		oillway system in v	_	Yes	X	No	
2.		f debris and restr		Yes	X		
3. 4.	_	outlet free of restiing at the discharg		Yes Yes	^		X
	Evaluate the seve	erity:	Extensive	Moderate	Just Starting	None	

			NPDES ID. No.: 8
EMERG	ENCY SPILLWAY		
1.	Does it appear that the emergency spillway has discha	orged water since the last	t inspection?
	Y	/ES	NOX
2.	Is erosion occurring at any section of the emergency s	pillway?	
	Y	/ES	NOX
SEDMI	MENT STORAGE CAPACITY		
1.	Has the design storage capacity of the reservoir been s	surpassed? /ES	NO <u>X</u>
	Explain: Visual observation		
OTHER	OBSERVATIONS		
	Pond was holding water and barely discharging at time	e of inspection.	

Mine:		Lorencito		_			
NPDES	ID. No.:	<u>Pond #9 (N</u>	lorth)	_			
Inspect	ion Period:	Third Quar	ter 2022	_			
Inspect	ion Date:	8/10/2022		_			
Genera	l Descriptio	on or Reference to	Site Plan:				
into be	drock and t		of mining scheduled fo eyed into bedrock. Side s ed drainage.		•	-	
EMBAN	IKMENT						
1.	Adequacy	y of the vegetative o	cover:	Excellent	Moderate	Few	Poor
2.		orming Gullies:		Extensive	Some	Few	None
3.	Is wave a	ction causing erosic	on:				
	(On the upstream er	mbankment?	Yes		No	
		At the principal spil	lway inlet?			No	Х
4.	Erosion o	of the downstream t	oe of the embankment?	? Yes		No	Х
		Cause of erosion ca	n be attributed to:				
	-						
5.	Is seepag	e occurring through	n the dam?	Yes		No	X
	(Could this seepage	cause potential instabili	ty?			
PRINICI	PAL SPILLV	NAY					
1.	Is the pri	ncipal spillway syste	em in working order?	Yes	Χ	No	
2.	-		I restrictive material?	Yes	X		
3.			of restrictive material?	Yes	X		
4.	Is erosion	occurring at the di	scharge outlet?	Yes		No	Χ
	Evaluate	the severity:	Extensive	Moderate	Just Starting	None	

			NPDES ID. No.: 9
MERG	ENCY SPILLWAY		
1.	Does it appear that the emergency spillway	y has discharged water since th	e last inspection?
		YES	NOX
2.	Is erosion occurring at any section of the er	mergency spillway?	
		YES	NOX
DMII	MENT STORAGE CAPACITY		
1.	Has the design storage capacity of the reser	rvoir been surpassed? YES	NOX
	Explain: Visual observation		
THER	OBSERVATIONS		
	Pond was holding water and discharging ve	ery slowly at time of inspection	•

Mine:		Lorencito		-			
NPDES I	D. No.:	Pond #9A (South	n)	-			
Inspecti	on Period:	Third Quarter 20)22	-			
Inspecti	on Date:	8/10/2022		-			
General	Description or Re	eference to Site P	lan:				
into bed		ankment keyed ir	ining scheduled for nto bedrock. Side sl			•	
EMBAN	KMENT						
1. 2.	Erosion forming			Excellent Extensive	Moderate Some	Few Few	Poor None
3.	Is wave action ca On the u	iusing erosion: upstream embank	kment?	Yes		No	Χ
	At the p	rincipal spillway i	nlet?	Yes		No	Х
4.	Erosion of the do	ownstream toe of	the embankment?	Yes		No	X
	Cause o	f erosion can be a	attributed to:				
5.	Is seepage occur	ring through the c	dam?	Yes		No	X
	Could th	nis seepage cause	potential instabilit	y?			
PRINICI	PAL SPILLWAY						
1.		oillway system in v	_	Yes	X	No	
2. 3.		of debris and restr coutlet free of rest		Yes Yes	X		
3. 4.	_	ing at the dischar		Yes	^		X
	Evaluate the seve	erity:	Extensive	Moderate	Just Starting	None	

EMERG	ENCY SPILLWAY			
1.	Does it appear that the emergency spillway has disc	harged water since the las	t inspec	tion?
		YES	NO	X
2.	Is erosion occurring at any section of the emergency	spillway?		
		YES	NO	X
SEDMIN	MENT STORAGE CAPACITY			
1.	Has the design storage capacity of the reservoir bee	n surpassed? YES	NO	Х
	Explain: Visual observation			
OTHER	OBSERVATIONS			
	Pond was holding water, but not dischargining at tir	ne during inspection.		

NPDES ID. No.: 9A

QUARTERLY SEDIMENTATION POND INSPECTION REPORT Lorencito Canyon Mine- August 10, 2022



Pond 6



Pond 7



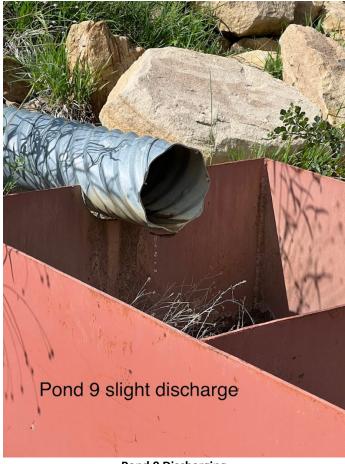
Pond 8



Pond 8 Discharging



Pond 9



Pond 9 Discharging



Pond 9A

Certification

This inspection was conducted by Vince Massarotti, a qualified professional and MSHA certified inspector of earth and rock-fill embankments, waste banks and impoundments, under the direction of Mr. Stormes, a registered professional engineer licensed in the State of Colorado.

This is to certify, to the best of my knowledge and belief, that maintenance, since the previous certification and as determined during this inspection and discussions with mine personnel, is in accordance with designs as approved by the Division of Reclamation, Mining and Safety.

Inspector

Date

Inspections completed in compliance with Rule $\frac{4.09+1110}{4.05}$, $\frac{9}{9}$ (17)