Mine:		Lorencito		_			
NPDES I	D. No.:	Pond #5		_			
Inspecti	on Period:	Fourth Quarter 2	2021	_			
Inspecti	on Date:	11/8/2021		_			
Genera	l Description or R	Reference to Site P	lan:				
bedrock	and the embank		ning scheduled for oedrock. Side slope e.				:0
EMBAN	KMENT						
1.	Adequacy of the	e vegetative cover:		Excellent	Moderate	Few	Poor
2.	Erosion forming	Gullies:		Extensive	Some	Few	None
3.	Is wave action ca	_					·
		upstream embank				No	
	At the p	principal spillway i	nlet?	Yes		No	X
4.	Erosion of the de	ownstream toe of	the embankment?	Yes		No	Х
	Cause o	of erosion can be a	attributed to:				
5.	Is seepage occur	rring through the o	dam?	Yes		No	Х
	Could t	his seepage cause	potential instabilit	ty?			
PRINICI	PAL SPILLWAY						
1.	Is the principal s	spillway system in	working order?	Yes	Χ	No	
2.	•	of debris and restr	-	Yes	Х		
3.	_	outlet free of rest		Yes	X	No	
4.	Is erosion occuri	ring at the dischar	ge outlet?	Yes		No	Х
	Evaluate the sev	verity:	Extensive	Moderate	Just Starting	None	

		NPDES ID. No.: 5
EMERG	SENCY SPILLWAY	
1.	Does it appear that the emergency spillway has discharged water since the	last inspection?
	YES	NOX
2.	Is erosion occurring at any section of the emergency spillway?	
	YES	NOX
SEDMII	MENT STORAGE CAPACITY	
1.	Has the design storage capacity of the reservoir been surpassed? YES	NOX
	Explain: Sediment in pond does not appear to be over capacity by visual in	spection.
OTHER	OBSERVATIONS	
	Pond was empty at time of inspection. Recent rain events have put some w	vater in the pond, but
	it has since dried.	

Mine:		Lorencito					
NPDES	ID. No.:	Pond #6		<u> </u>			
Inspect	ion Period:	Fourth Qua	arter 2021	<u> </u>			
Inspect	ion Date:	11/8/2021		_			
Genera	ıl Descriptio	on or Reference to	Site Plan:				
into be	drock and t		of mining scheduled for eyed into bedrock. Side inage.				
EMBAN	NKMENT						
1. 2.	Erosion fo	of the vegetative of orming Gullies:		Excellent Extensive	Moderate Some	Few Few	Poor None
3.	(	ction causing erosion On the upstream er	nbankment?	Yes		No	
		At the principal spil	lway inlet?	Yes		No	X
4.	Erosion o	f the downstream t	oe of the embankment	? Yes		No	Χ
	(	Cause of erosion ca	n be attributed to:				
5.	Is seepag	e occurring through	the dam?	Yes		No	Х
	(	Could this seepage	cause potential instabil	ity?			
	-						
PRINIC	IPAL SPILLV	VAY					
1. 2. 3.	Is the inle	et free of debris and charge outlet free o	em in working order? I restrictive material? If restrictive material?	Yes Yes Yes	X X X	No	
4.	Is erosion	occurring at the di	scharge outlet?	Yes		No	X
	Evaluate	the severity:	Extensive	Moderate	Just Starting	None	

ES ID. No.: <u>6</u>
ction?
X
X
X

Mine:		Lorencito		<u> </u>			
NPDES I	D. No.:	Pond #7		_			
Inspecti	on Period:	Fourth Quarter	2021	_			
Inspecti	on Date:	11/8/2021		_			
Genera	l Description or R	Reference to Site I	Plan:				
into bed	drock and the em		nining scheduled fo into bedrock. Side :				
EMBAN	KMENT						
1.	Adequacy of the	e vegetative cover	:	Excellent	Moderate	Few	Poor
2.	Erosion forming	g Gullies:		Extensive	Some	Few	None
3.	Is wave action c	_					
		upstream emban		Yes		No	Χ
	At the	principal spillway	inlet?	Yes		No	X
4.	Erosion of the d	lownstream toe of	f the embankment	? Yes		No	Х
	Cause	of erosion can be	attributed to:				
5.	Is seepage occu	rring through the	dam?	Yes		No	Х
	Could t	this seepage cause	e potential instabili	ty?			
PRINICI	PAL SPILLWAY						
1.	Is the principal s	spillway system in	working order?	Yes	Χ	No	
2.	· · · · · · · · · · · · · · · · · · ·	of debris and rest	•	Yes	X		
3.		outlet free of rest		Yes	X	No	
4.	_	ring at the dischar		Yes		No	Х
	Evaluate the sev	verity:	Extensive	Moderate	Just Starting	None	

EMERG	ENCY SPILLWAY					
1.	L. Does it appear that the emergency spillway has discharged water since the last inspection?					
		YES	NO	X		
2.	Is erosion occurring at any section of the emergency	spillway?				
		YES	NO	Х		
SEDMI	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 some water but not near the level	of the decant.				

NPDES ID. No.: 7

Mine:		Lorencito					
NPDES	ID. No.:	Pond #8		<u> </u>			
Inspect	ion Period:	Fourth Qua	arter 2021	<u> </u>			
Inspect	ion Date:	11/8/2021		_			
Genera	l Description	or Reference to	Site Plan:				
into be	drock and the		of mining scheduled for eyed into bedrock. Side inage.				
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	toe 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 SPILLW	AY					
1.	•		em in working order?	Yes	X		
2.			restrictive material?	Yes	X		
3.		_	of restrictive material?	Yes	X		
4.	is erosion o	occurring at the di	scnarge outlet?	Yes		No	X
	Evaluate th	e severity:	Extensive	Moderate	Just Starting	None	

		YES	NOX
2.	Is erosion occurring at any section of	the emergency spillway?	
		YES	NOX
DMI	MENT STORAGE CAPACITY		
1.	Has the design storage capacity of the	e reservoir been surpassed? YES	NO <u>X</u>
	Explain: Visual observation		
ΓHER	OBSERVATIONS		
	Pond was holding water to the decan	t level, but the pond was not disch	narging at the time of

NPDES ID. No.: 8

Mine:		Lorencito					
NPDES I	D. No.:	Pond #9 (North)					
Inspecti	on Period:	Fourth Quarter 20	)21				
Inspecti	on Date:	11/8/2021					
General	Description or Re	eference to Site Pla	an:				
into bed	drock and the emb	of the area of min eankment keyed int mall unnamed draii	o 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	using erosion: upstream embankr	nent?	Yes		No	X
	At the p	rincipal spillway in	let?			No	X
4.	Erosion of the do	wnstream toe of t	he embankment?	Yes		No	Х
	Cause o	f erosion can be at	tributed to:				
5.	Is seepage occur	ring through the da	am?	Yes		No	X
	Could th	nis seepage cause p	otential instability	/?			
DDINICI	PAL SPILLWAY						
PRINICI							
1. 2.		oillway system in w If debris and restric	_	Yes	X		
2. 3.		outlet free of restric		Yes Yes	X		
4.	_	ing at the discharge		Yes			Х
	Evaluate the seve	erity:	Extensive	Moderate	Just Starting	None	

			NPDES ID. No.: 9
MERG	ENCY SPILLWAY		
1.	Does it appear that the emergency spillwa	ay has discharged water since	the last inspection?
		YES	NOX
2.	Is erosion occurring at any section of the e	emergency spillway?	
		YES	NOX
EDMIN	MENT STORAGE CAPACITY		
1.	Has the design storage capacity of the res	ervoir been surpassed? YES	NOX
	Explain: Visual observation		
THER	OBSERVATIONS		
	Pond was holding water but not near disc	harging at time of inspection.	

Mine:		Lorencito		-			
NPDES I	D. No.:	Pond #9A (South	)	<u>-</u>			
Inspecti	on Period:	Fourth Quarter 2	021	-			
Inspecti	on Date:	11/8/2021		-			
General	Description or Re	eference to Site P	lan:				
into bed		ankment keyed ir	ning scheduled for nto bedrock. Side s		•	•	
EMBAN	KMENT						
1. 2.	Erosion forming			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 ii	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 d	lam?	Yes		No	X
	Could th	nis seepage cause	potential instabilit	y?			
PRINICI	PAL SPILLWAY						
1.		oillway system in v	_	Yes	Х	No	
2.		f debris and restri		Yes	X		
3. 4.	_	outlet free of restiing at the discharg		Yes Yes	Λ		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	X
	Explain: Visual observation			
OTHER	OBSERVATIONS			
	Pond was holding water but not near discharging at	time of inspection.		

NPDES ID. No.: 9A

# QUARTERLY SEDIMENTATION POND INSPECTION REPORT Lorencito Canyon Mine- November 8, 2021



Pond 6



**Pond 7 Armored Drains** 



Pond 8



Pond 9



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. Steve Miller, 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.

11/19/2021

Inspections completed in compliance with Rule 4.09.1(11)(b) must be su

ithin two weeks of completion.