Mine:		Lorencito		_			
NPDES	ID. No.:	Pond #5		_			
Inspect	ion Period:	Third Quarter 20)21	_			
Inspect	ion Date:	9/20/2021		_			
Genera	l Description or Ro	eference to Site F	lan:				
bedrocl		ment keyed into k	ning scheduled for pedrock. Side slope e.		•	-	0
EMBAN	IKMENT						
1.	Adequacy of the	vegetative cover:	:	Excellent	Moderate	Few	Poor
2.	Erosion forming	Gullies:		Extensive	Some	Few	None
3.	Is wave action ca	ausing erosion:					' <u></u> '
		upstream embanl		Yes		No	
	At the p	orincipal spillway i	nlet?	Yes		No	X
4.	Erosion of the do	ownstream toe of	the embankment?	Yes		No	Х
	Cause o	f erosion can be a	attributed to:				
5.	Is seepage occur	ring through the	dam?	Yes		No	Х
	Could th	his seepage cause	potential instabilit	ty?			
PRINIC	PAL SPILLWAY						
1.	Is the principal s	pillway system in	working order?	Yes	X	No	
2.		of debris and restr	_	Yes	X		
3.	Is the discharge	outlet free of rest	rictive material?	Yes	Χ	· · · · · · · · · · · · · · · · · · ·	
4.	Is erosion occurr	ing at the dischar	ge outlet?	Yes		No	Χ
	Evaluate the sev	erity:	Extensive	Moderate	Just Starting	None	

			NPDES ID. No.: 5
EMERG	ENCY SPILLWAY		
1.	Does it appear that the emergency spillway has disc	charged water since the las	t inspection?
		YES	NO <u>X</u>
2.	Is erosion occurring at any section of the emergence	y spillway?	
		YES	NO <u>X</u>
SEDMI	MENT STORAGE CAPACITY		
1.	Has the design storage capacity of the reservoir bee	en surpassed? YES	NOX
	Explain: Sediment in pond does not appear to be o	ver capacity by visual inspe	ection.
OTHER	OBSERVATIONS		
	Pond was empty at time of inspection. Recent rain	events have put some wate	er in the pond, but
	it has since dried.		

Mine:		Lorencito		_			
NPDES	ID. No.:	Pond #6		_			
Inspect	ion Period:	Third Quart	er 2021				
Inspect	ion Date:	9/20/2021		_			
Genera	l Description o	r Reference to S	Site Plan:				
into be	drock and the e		of mining scheduled fo yed into bedrock. Side nage.		•	•	
EMBAN	IKMENT						
1.	Adequacy of	the vegetative c	over:	Excellent	Moderate	Few	Poor
2.	Erosion formi	_		Extensive	Some	Few	None
3.		n causing erosio		.,			.,
		he upstream em				No	X
	Attr	ne principal spill	way inlet?	res		No	Χ
4.	Erosion of the	e downstream to	oe of the embankment	? Yes		No	X
	Caus	e of erosion car	be attributed to:				
5.	Is seepage oc	curring through	the dam?	Yes		No	Х
	Coul	d this seepage o	ause potential instabili	ty?			
PRINIC	PAL SPILLWAY						
1.	Is the principa	al spillwav svste	m in working order?	Yes	Х	No	
2.			restrictive material?	Yes	X	No	
3.	Is the dischar	ge outlet free of	f restrictive material?	Yes	Х	No	
4.	Is erosion occ	curring at the dis	scharge outlet?	Yes		No	Х
	Evaluate the	severity:	Extensive	Moderate	Just Starting	None	

			NPDES ID. No.: 6
MERG	GENCY SPILLWAY		
1.	Does it appear that the emergency spillw	yay has discharged water since t	he last inspection?
		YES	NO <u>X</u>
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 re	servoir been surpassed? YES	NO <u>X</u>
	Explain: Visual observation		
OTHER	OBSERVATIONS		
	Pond was holding water but not near the	level of the decant	

Mine:		Lorencito		_			
NPDES	ID. No.:	Pond #7		<u> </u>			
Inspect	ion Period:	Third Quar	ter 2021	<u> </u>			
Inspect	ion Date:	9/20/2021		_			
Genera	l Description	on or Reference to	Site Plan:				
into be	drock and t		of mining scheduled for eyed into bedrock. Side inage.		•	•	
EMBAN	IKMENT						
1.	Adequac	y of the vegetative (cover:	Excellent	Moderate	Few	Poor
2.	-	orming Gullies:		Extensive	Some	Few	None
3.		ction causing erosic					
		On the upstream er		Yes		No	
		At the principal spil	lway inlet?	Yes	<u> </u>	No	Х
4.	Erosion o	of the downstream t	oe of the embankment	? Yes		No	Х
	1	Cause of erosion ca	n be attributed to:				
5.	Is seepag	e occurring through	n the dam?	Yes		No	Х
	1	Could this seepage	cause potential instabili	ty?			
PRINIC	PAL SPILL	WAY					
1.	Is the pri	ncipal spillway syste	em in working order?	Yes	X	No	
2.	•		I restrictive material?	Yes	X		
3.			of restrictive material?	Yes	Х		
4.	Is erosior	occurring at the di	scharge outlet?	Yes		No	X
	Evaluate	the severity:	Extensive	Moderate	Just Starting	None	

			NPDES ID. No.: 7
EMERG	ENCY SPILLWAY		
1.	Does it appear that the emergency spillway has disc	harged water since the las	t inspection?
		YES	NO <u>X</u>
2.	Is erosion occurring at any section of the emergency	spillway?	
		YES	NO <u>X</u>
SEDMI	MENT STORAGE CAPACITY		
1.	Has the design storage capacity of the reservoir bee	n surpassed? YES	NO <u>X</u>
	Explain: Visual observation		
OTHER	OBSERVATIONS Pond was holding some water but not near the leve	l of the decant.	

Mine:		<u>Lorencito</u>		<u> </u>			
NPDES	ID. No.:	Pond #8					
Inspect	ion Period:	Third Quar	ter 2021	_			
Inspect	ion Date:	9/20/2021		_			
Genera	l Descriptio	on or Reference to	Site Plan:				
into be	drock and t		a of mining scheduled for eyed into bedrock. Side inage.		•	•	
EMBAN	IKMENT						
1.	Adequacy	of the vegetative	cover:	Excellent	Moderate	Few	Poor
2.		orming Gullies:		Extensive	Some	Few	None
3.		ction causing erosid					
		On the upstream er		Yes		No	
	,	At the principal spil	lway inlet?	Yes		No	Х
4.	Erosion o	f the downstream t	toe 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	Х
	(Could this seepage	cause potential instabil	ity?			
	-						
PRINICI	PAL SPILLV	VAY					
1.	•		em in working order?	Yes	X		
2.			d restrictive material?	Yes	X X		
3. 4.		charge outlet free d loccurring at the di	of restrictive material?	Yes Yes		NO	X
4.	12 61 021011	occurring at the o	ischarge oudet!	162		NU	^
	Evaluate	the severity:	Extensive	Moderate	Just Starting	None	

EMERG	SENCY SPILLWAY					
1. Does it appear that the emergency spillway has discharged water since the last inspection?						
		YES	NO <u>X</u>			
2.	Is erosion occurring at any section of the eme	ergency spillway?				
		YES	NO <u>X</u>			
SEDMI	MENT STORAGE CAPACITY					
1.	Has the design storage capacity of the reserve	oir been surpassed? YES	NO <u>X</u>			
	Explain: Visual observation					
OTHER	OBSERVATIONS					
	Pond was holding water to the decant level, b	out the pond was not discha	rging at the time of			
	inspection.					

NPDES ID. No.: 8

Mine:		Lorencito					
NPDES I	ID. No.:	Pond #9 (North)					
Inspecti	ion Period:	Third Quarter 20)21				
Inspecti	ion Date:	9/20/2021					
Genera	l Description or Re	eference to Site P	lan:				
into bed		ankment keyed ii	ining scheduled for nto bedrock. Side sl iinage.		•		
EMBAN	IKMENT						
1. 2.	Adequacy of the Erosion forming	Gullies:		Excellent Extensive	Moderate Some	Few Few	Poor None
3.	Is wave action ca On the u	iusing erosion: upstream embank	kment?	Yes		No	X
	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 o	dam?	Yes		No	X
	Could th	nis seepage cause	potential instability	y?			
PRINICI	PAL SPILLWAY						
1.		oillway system in	-	Yes	X	-	
2. 3.		of debris and restr coutlet free of rest		Yes Yes	X		
4.	_	ing at the dischar		Yes		-	X
	Evaluate the seve	erity:	Extensive	Moderate	Just Starting	None	

		NPDES ID. No.: 9
EMERG	ENCY SPILLWAY	
1.	Does it appear that the emergency spillway has discharged water si	nce the last inspection?
	YES	NOX
2.	Is erosion occurring at any section of the emergency spillway?	
	YES	NOX
SEDMIN	MENT STORAGE CAPACITY	
1.	Has the design storage capacity of the reservoir been surpassed? YES	NOX
	Explain: Visual observation	
OTHER	OBSERVATIONS	
	Pond was holding water but not near discharging at time of inspecti	on.

Mine:		Lorencito		_			
NPDES	ID. No.:	Pond #9A (South)	_			
Inspect	ion Period:	Third Quar	ter 2021	_			
Inspect	ion Date:	9/20/2021		_			
Genera	l Descriptio	n or Reference to	Site Plan:				
into be	drock and th		of mining scheduled fo eyed into bedrock. Side		•	•	
EMBAN	IKMENT						
1.	Adequacy	of the vegetative of	cover:	Excellent	Moderate	Few	Poor
2.		rming Gullies:		Extensive	Some	Few	None
3.	Is wave ac	tion causing erosic	on:				
		n the upstream er		Yes		No	
	Α	t the principal spil	lway inlet?	Yes		No	Х
4.	Erosion of	the downstream t	oe of the embankment	? Yes		No	Х
	C	ause of erosion ca	n be attributed to:				
	_						
5.	Is seepage	occurring through	the dam?	Yes		No	Х
	C	ould this seepage	cause potential instabili	ty?			
	_						
PRINICI	PAL SPILLW	/AY					
1.	•		em in working order?	Yes	X		
2.			I restrictive material?	Yes	X		
3. 4.		narge outlet free o occurring at the di	f restrictive material?	Yes Yes	X	No	X
4.	12 61 0210[]	occurring at the di	scharge outlet!	165		110	^
	Evaluate t	he severity:	Extensive	Moderate	Just Starting	None	

EMERGENCY SPILLWAY							
1.	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			
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- September 20, 2021



Pond 5



Pond 6



Pond 7



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.

Vinu Masonath

970000

09/25/2021

Date

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

ithin two weeks of completion.