Mine:		Lorencito		_			
NPDES	ID. No.:	Pond #5		_			
Inspect	ion Period:	Second Qu	arter 2021	<u> </u>			
Inspect	ion Date:	6/30/2021		_			
Genera	l Description	or Reference to	Site Plan:				
bedrocl	k and the emb		of mining scheduled fo into bedrock. Side slope ainage.		•		0
EMBAN	IKMENT						
1.		the vegetative of	cover:	Excellent	Moderate	Few	Poor
2.	Erosion form	_		Extensive	Some	Few	None
3.		on causing erosic the upstream er		Vos		No	V
		the opstream er the principal spill				No No	X
	ALL	.ne principai spiii	way illiet:	res	<del></del>	NO	^
4.	Erosion of th	ne downstream t	oe of the embankment	? Yes		No	Χ
	Cau	ise of erosion ca	n be attributed to:				
	_						
5.	Is seepage o	ccurring through	the dam?	Yes		No	X
	Cou	ıld this seepage	cause potential instabili	ity?			
PRINICI	PAL SPILLWA	Y					
1.	Is the princing	oal spillway syste	em in working order?	Yes	X	No	
2.			restrictive material?	Yes	X	No	
3.			f restrictive material?	Yes	X	No	
4.		curring at the di		Yes		No	Х
	Evaluate the	severity:	Extensive	Moderate	Just Starting	None	

MERC	GENCY SPILLWAY		
1.	Does it appear that the emergency spillv	vay has discharged water since t	the last 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 re	eservoir been surpassed? YES	NO <u>X</u>
	Explain: Sediment in pond does not app	ear to be over capacity by visual	l inspection.
OTHER	R OBSERVATIONS		
	Pond was empty at time of inspection.		

NPDES ID. No.: 5

Mine:		<u>Lorencito</u>		_			
NPDES	ID. No.:	Pond #6		<u> </u>			
Inspect	ion Period:	Second Qu	arter 2021	<u> </u>			
Inspect	ion Date:	6/30/2021		_			
Genera	l Descriptio	on or Reference to	Site Plan:				
into be	drock and t		a of mining scheduled fo 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 erosic					· <u></u>
		On the upstream er		Yes		No	
	A	At the principal spil	lway inlet?	Yes		No	Х
4.	Erosion o	f the downstream	toe of the embankment	? Yes		No	Х
	(	Cause of erosion ca	n be attributed to:				
	-						
5.	Is seepage	e occurring througl	n the dam?	Yes		No	Х
	(	Could this seepage	cause potential instabili	ty?			
	-						
PRINIC	IPAL SPILLV	VAY					
1.	Is the prin	ncipal spillway syste	em in working order?	Yes	Х	No	
2.	•		restrictive material?	Yes	Х		
3.	Is the disc	charge outlet free o	of restrictive material?	Yes	Х	No	
4.	Is erosion	occurring at the d	ischarge outlet?	Yes		No	Х
	Evaluate t	the severity:	Extensive	Moderate	Just Starting	None	

EMERG	ENCY SPILLWAY			
1.	Does it appear that the emergency spillway has discl	narged water since the las	t inspect	tion?
		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 been	n surpassed? YES	NO	X
	Explain: Visual observation			
OTHER	OBSERVATIONS  Pond was holding water but not near the decant.			

NPDES ID. No.: 6

Mine:		Lorencito		_			
NPDES	ID. No.:	Pond #7					
Inspect	ion Period:	Second Qu	arter 2021				
Inspect	ion Date:	6/30/2021		_			
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.	Adequacy of	f the vegetative o	cover:	Excellent	Moderate	Few	Poor
2.	Erosion forn	_		Extensive	Some	Few	None
3.		on causing erosic					
		the upstream er				No	
	At 1	the principal spil	lway inlet?	Yes		No	X
4.	Erosion of th	ne downstream t	oe of the embankment	:? Yes		No	Х
	Cau	use of erosion ca	n be attributed to:				
5.	Is seepage o	ccurring through	the dam?	Yes		No	Χ
	Cou	uld this seepage	cause potential instabil	ity?			
PRINICI	PAL SPILLWA	Υ					
1.	Is the princip	oal spillway syste	em in working order?	Yes	X	No	
2.			I restrictive material?	Yes	Х	No	
3.		_	f restrictive material?	Yes	X	No	
4.	Is erosion o	ccurring at the di	scharge outlet?	Yes		No	X
	Evaluate the	e severity:	Extensive	Moderate	Just Starting	None	

			NPDES	ID. No.: 7
EMERG	ENCY SPILLWAY			
1.	Does it appear that the emergency spillway has discl	harged water since the last	inspect	ion?
		YES	NO	X
2.	Is erosion occurring at any section of the emergency	spillway?		
		YES	NO	X
SEDMI	MENT STORAGE CAPACITY			
1.	Has the design storage capacity of the reservoir been	n surpassed? YES	NO	X
	Explain: Visual observation			
OTHER	OBSERVATIONS			
	Pond was holding some water but not near discharg	ing through the decant.		

Mine:		Lorencito		_			
NPDES I	D. No.:	Pond #8		_			
Inspecti	on Period:	Second Quarter	2021	_			
Inspecti	on Date:	6/30/2021		_			
_							
Genera	Description or R	eference to Site F	Plan:				
into bed		bankment keyed i	ining scheduled fonto bedrock. Side and			•	
EMBAN	KMENT						
1.	Adequacy of the	vegetative cover	:	Excellent	Moderate	Few	Poor
2.	Erosion forming			Extensive	Some	Few	None
3.	Is wave action ca	ausing erosion:					
		upstream emban				No	X
	At the p	orincipal spillway	inlet?	Yes		No	X
4.	Erosion of the do	ownstream toe of	the embankment	? Yes		No	X
	Cause o	of erosion can be a	attributed to:				
5.	Is seepage occur	ring through the	dam?	Yes		No	Х
	Could t	his seepage cause	potential instabili	ty?			
PRINICI	PAL SPILLWAY						
1.	Is the principal s	pillway system in	working order?	Yes	Χ	No	
2.		of debris and rest	-	Yes	X	No	
3.		outlet free of rest		Yes	Х	No	
4.	Is erosion occurr	ring at the dischar	ge outlet?	Yes		No	Χ
		_	_				
	Evaluate the sev	erity:	Extensive	Moderate	Just Starting	None	

2. Is erosion occurring at any section of the emergency spillway?  YES NOX  SEDMIMENT STORAGE CAPACITY  1. Has the design storage capacity of the reservoir been surpassed?  YES NOX  Explain: Visual observation	1. Does it appear that the e	mergency spillway has discharged wate	r since the last inspection?
YES NO X  SEDMIMENT STORAGE CAPACITY  1. Has the design storage capacity of the reservoir been surpassed? YES NO X  Explain: Visual observation		YES	NOX
1. Has the design storage capacity of the reservoir been surpassed? YES NOX  Explain: Visual observation	2. Is erosion occurring at ar	y section of the emergency spillway?	
Has the design storage capacity of the reservoir been surpassed?     YES NO X  Explain: Visual observation  OTHER OBSERVATIONS		YES	NOX
Explain: Visual observation  OTHER OBSERVATIONS	EDMIMENT STORAGE CAPACITY		
OTHER OBSERVATIONS	1. Has the design storage ca		
	Explain: Visual observati	on	
Pond was holding water but the level of water was not near the decant.	THER OBSERVATIONS		
	Pond was holding water	out the level of water was not near the	decant.

NPDES ID. No.: 8

Mine:		Lorencito		_			
NPDES	ID. No.:	Pond #9 (No	orth)	_			
Inspect	ion Period:	Second Qua	rter 2021	_			
Inspect	ion Date:	6/30/2021		_			
Genera	l Description o	r Reference to S	ite Plan:				
into be	drock and the e		of mining scheduled fo ved into bedrock. Side s d drainage.			•	
EMBAN	IKMENT						
1.	Adequacy of t	the vegetative co	over:	Excellent	Moderate	Few	Poor
2.	Erosion formi	_		Extensive	Some	Few	None
3.		n causing erosion					
		ne upstream em				No	X
	At th	e principal spillv	vay inlet?	Yes		No	Х
4.	Erosion of the	downstream to	e of the embankment?	Yes		No	Х
	Caus	e of erosion can	be attributed to:				
5.	Is seepage occ	curring through	the dam?	Yes		No	Х
	Coul	d this seepage c	ause potential instabili	ty?			
PRINICI	PAL SPILLWAY						
1.	Is the principa	al spillway syster	n in working order?	Yes	Χ	No	
2.			restrictive material?	Yes	X	No	
3.		_	restrictive material?	Yes	Χ	No	
4.	Is erosion occ	urring at the dis	charge outlet?	Yes		No	Χ
	Evaluate the s	severity:	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 I	D. No.:	Pond #9A (South	1)	<u>-</u>			
Inspecti	on Period:	Second Quarter	2021	_			
Inspecti	on Date:	6/30/2021		-			
General	Description or Re	eference to Site P	lan:				
into bed		ankment keyed ir	ining scheduled for nto bedrock. Side s				
EMBAN	KMENT						
1. 2.	Adequacy of the Erosion forming	Gullies:		Excellent Extensive	Moderate Some	Few Few	Poor None
3.		upstream embank		Yes		No	Х
	At the p	rincipal spillway i	nlet?	Yes		No	X
4.	Erosion of the do	wnstream toe of	the embankment?	Yes		No	Х
	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	_	Yes	X	No	
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	lust 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- June 30, 2021



Pond 5



Pond 6





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.

penactor

Date

Miller 33573

07/02/2021

Date

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

thin two weeks of completion.