CDMR Rule 4.05.9(17)

Mine	•	Lorencito		<del>-</del>			
NPDE	S ID. No.:	Pond #5		=			
Inspe	ction Period:	Fourth Quarter	2019	<u></u>			
Inspe	ction Date:	11/26/2019		_			
Genei	ral Description or R	eference to Site I	Plan:				
bedro	oond is located West ock and the embank arges south into Cov	ment keyed into	bedrock. Side slope				to
EMBA	NKMENT						
1.	. Adequacy of the	vegetative cover	:	Excellent	Moderate	Few	Poor
2.		-		Extensive	Some	Few	None
3.		-					
		upstream emban				No	Х
	At the p	orincipal spillway i	inlet?	Yes	<del></del>	No	Х
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	nis seepage cause	potential instabili	ty?			
PRINIC	CIPAL SPILLWAY						
1.	Is the principal sp	oillway system in	working order?	Yes	Х	No	
2.	Is the inlet free o	f debris and restr	ictive material?	Yes	X		
3.				Yes	X	No	
4.	ls erosion occurri	ing at the dischar	ge outlet?	Yes		No	X
	Evaluate the seve	erity:	Extensive	Moderate	Just Starting	None	

			NPDES ID. No.: 5
EMERO	GENCY SPILLWAY		
1.	Does it appear that the emergency spillway ha	the last inspection?	
		YES	NOX
2.	Is erosion occurring at any section of the emer	gency spillway?	
		YES	NOX
SEDMI	MENT STORAGE CAPACITY		
1.	Has the design storage capacity of the reservo	ir been surpassed? YES	NOX
	Explain: Sediment in pond does not appear to	be over capacity by visua	l inspection.
<b>OTUED</b>	OBSERVATIONS		
OTHER	Pond is empty.		
	rond is empty.		
	2		

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MSHA CERTIFIED IMPOUNDMENT INSPECTOR

Date: 11-26-2019

CDMR Rule 4.05.9(17)

Mine:		Lorencito					
NPDES	5 ID. No.:	Pond #6		2			
Inspec	tion Period:	Fourth Quarter 2019					
Inspec	tion Date:	11/26/2019		,			
Genera	al Description or R	eference to Site Plan:					
into be	edrock and the emi	h of the area of mining sc bankment keyed into bed f Canyon drainage.					
EMBA	NKMENT						
1.	Adequacy of the	vegetative cover:		Excellent	Moderate	Few	Poor
2.				Extensive	Some	Few	None
3.	Is wave action ca	•					
		upstream embankment?			=======================================	No	
	At the p	orincipal spillway inlet?		Yes		No	X
4.	Erosion of the do	ownstream toe of the em	bankment?	Yes		No	Х
	Cause o	of erosion can be attribute	ed to:				
5.		ring through the dam?	ial instability			80	Х
	Could ti	his seepage cause potenti	ai iristability	/ !			
	-			37			
PRINIC	IPAL SPILLWAY						
1.	Is the principal s	pillway system in working	order?	Yes	Χ	No	
2.		of debris and restrictive m		Yes	X		
3.	Is the discharge	outlet free of restrictive n	naterial?	Yes	X	No	
4.	Is erosion occurr	ing at the discharge outle	t?	Yes		No	X
	Evaluate the sev	erity: Extens	ive 1	Moderate	Just Starting	None	

EMERGENCY 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_	
SEDMIMENT STORAGE CAPACITY	
Has the design storage capacity of the reservoir been surpassed?  YES NOX  NOX	
Explain: Visual observation	
OTHER OBSERVATIONS  Pond is holding a small amount of water. Water level is well below the decant.	

Date: 11-26-2019

CDMR Rule 4.05.9(17)

Mine:		Lorencito		_			
NPDES	5 ID. No.:	Pond #7		_			
Inspec	tion Period:	Fourth Quarter	2019	_			
Inspec	tion Date:	11/26/2019					
Gener	al Description or R	eference to Site	Plan:				
into be	ond is located soutled rock and the emberges south into Jeff	oankment keyed	into bedrock. Side				
EMBAI	NKMENT						
1.	Adequacy of the	vegetative cover	·:	Excellent	Moderate	Few	Poor
2.	Erosion forming	_		Extensive	Some	Few	None
3.	Is wave action ca	using erosion:					
	On the	upstream emban	kment?	Yes		No	X
	At the p	rincipal spillway	inlet?			No	
4.	Erosion of the do	ownstream toe of	f the embankment	? Yes		No	Х
	Cause o	f erosion can be	attributed to:				
5.	Is seepage occurr	ring through the	dam?	Yes		No	Х
	Could th	is seepage cause	potential instabili	ty?			
	2						
PRINICI	IPAL SPILLWAY						
1.	Is the principal sp		_	Yes	Χ	No	
2.	Is the inlet free o			Yes	X	No	
3.	Is the discharge o			Yes	X	No	
4.	ls erosion occurri	ng at the dischar	ge outlet?	Yes		No	X
	Evaluate the seve	erity:	Extensive	Moderate	Just Starting	None	

			NPDES ID. No.: 7
MERG	ENCY SPILLWAY		
1.	Does it appear that the emergency spillway has	discharged water since t	he last inspection?
		YES	NOX
2.	Is erosion occurring at any section of the emerg	gency spillway?	
		YES	NOX
EDMII	MENT STORAGE CAPACITY		
1.	Has the design storage capacity of the reservoir		NOX
	Explain: Visual observation		
OTHER	OBSERVATIONS		
	Pond empty at time of inspection.		

Date: // -26-2019

CDMR Rule 4.05.9(17)

Mine:		Lorencito							
NPDES	ID. No.:	Pond #8		_					
Inspec	tion Period:	Fourth Quarter	2019						
Inspec	tion Date:	11/26/2019		_					
Genera	al Description or R	eference to Site	Plan:						
into be	and is located south drock and the emb ges south into Jeff	oankment keyed i	into bedrock. Side						
EMBAN	NKMENT								
1.	Adequacy of the	vegetative cover	:	Excellent	t	Moderate		Few	Poor
2.	Erosion forming	_		Extensive		Some		Few	None
3.	Is wave action ca	using erosion:							
	On the (	upstream emban	kment?		Yes			No	Χ
	At the p	rincipal spillway	inlet?					No	Χ
4.	Erosion of the do	ownstream toe of	the embankment	?	Yes			No	Х
	Cause o	f erosion can be	attributed to:	I <del>-</del>					
_									
5.	Is seepage occuri	ring through the	dam?		Yes			No	X
	Could th	is seepage cause	potential instabili	ty?					
PRINICI	PAL SPILLWAY								
1.	Is the principal sp		_		Yes	X		No	
2.	Is the inlet free o				Yes	X		No	
3.	Is the discharge o	outlet free of rest	rictive material?		Yes	X		No	
4.	Is erosion occurri	ng at the dischar	ge outlet?		Yes			No	Х
	Evaluate the seve	erity:	Extensive	Moderat	e	Just Starting	3	None	

			NPDES ID. No.: 8		
EMERG	GENCY 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	y spillway?			
		YES	NOX		
SEDMI	MENT STORAGE CAPACITY				
1.	Has the design storage capacity of the reservoir bee	en surpassed? YES	NOX		
	Explain: Visual observation				
			<u></u>		
OTHER	OBSERVATIONS				
	Pond empty at time of inspection.		α		
	r				

MSHA CERTIFIED IMPOUNDMENT INSPECTOR

Date: 11-26-2019

CDMR Rule 4.05.9(17)

Mine:		Lorencito				
NPDES	ID. No.:	Pond #9A (South)				
Inspec	tion Period:	Fourth Quarter 2019				
Inspec	tion Date:	11/26/2019	<u>-</u>			
Genera	al Description or R	eference to Site Plan:				
into be	ond is located soutled edrock and the emb rges south into Jeff	n of the area of mining schedule pankment keyed into bedrock. S Canyon.	ed for 2001-2002. Th Side slopes are less t	ne pond is partially han 2H:1V. The pr	incised imary	
EMBAI	NKMENT					
1.	Adequacy of the	vegetative cover:	Excellent	Moderate	Few	Poor
2.	Erosion forming	=	Extensive	Some	Few	None
3.	Is wave action ca	using erosion:				
	On the	upstream embankment?	Yes		No	Χ
	At the p	rincipal spillway inlet?			No	Χ
4.	Erosion of the do	ownstream toe of the embankm	ent? Yes		No	Х
	Cause o	f erosion can be attributed to:	<u>-</u>			
5.	ls seepage occur	ring through the dam?	Yes		No	X
	Could th	is seepage cause potential insta	ability?			
	57					
PRINICI	PAL SPILLWAY					
1.	Is the principal sp	oillway system in working order	? Yes	X	No	
2.		f debris and restrictive material		X	No	
3.		outlet free of restrictive materia		X	No	
4.	_	ng at the discharge outlet?	Yes		No	X
	Evaluate the seve	rity: Extensive	Moderate	Just Starting	None	

			NPDES ID. No.: 9A				
EMERG	ENCY SPILLWAY						
1.	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	y spillway?					
		YES	NOX				
SEDMII	MENT STORAGE CAPACITY						
1.	Has the design storage capacity of the reservoir bee	n surpassed? YES	NOX				
	Explain: Visual observation						
OTHER	OBSERVATIONS  Pond was holding no water at time of inspection.						

MSHA CERTIFIED IMPOUNDMENT INSPECTOR

Date: 11-20-2019

CDMR Rule 4.05.9(17)

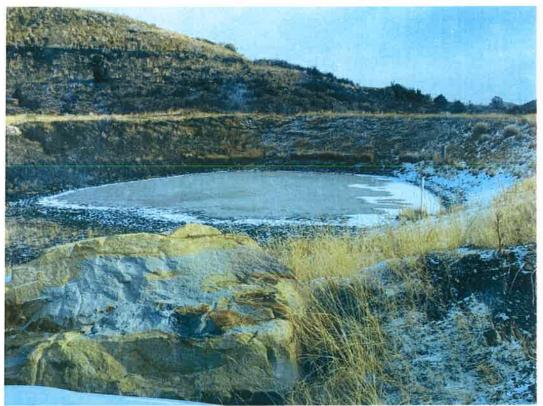
Mine:		Lorencito				
NPDE:	S ID. No.:	Pond #9 (North)				
Inspec	ction Period:	Fourth Quarter 2019				
Inspec	ction Date:	11/26/2019				
Gener	al Description or R	eference to Site Plan:				
into be	edrock and the emb	n of the area of mining schedu pankment keyed into bedrock mall unnamed drainage.	ıled for 2001-2002. T . Side slopes are less	he pond is partiall than 2H:1V. The p	y incised rimary	
EMBA	NKMENT					
1. 2. 3.	Adequacy of the Erosion forming of the Is wave action ca		Excellent Extensive	Moderate Some	Few Few	Poor None
0.	On the u	ıpstream embankment?		<u>-</u> _	No	X
	At the p	rincipal spillway inlet?	Yes_		No	X
4.	Erosion of the do	wnstream toe of the embank	ment? Yes_		No	X
	Cause of	erosion can be attributed to	<u> </u>			
5.	Is seepage occurr	ing through the dam?	Yes_		No	X
	Could th	is seepage cause potential ins	stability?			
	9					
DDINIC	PAL SPILLWAY					
PRINICI						
1.		Illway system in working orde		X	No	
2. 3.		debris and restrictive material trick tree of restrictive materials.		X 	No	
4.	•	ng at the discharge outlet?	ial? Yes Yes		No	X
	Evaluate the sever	rity: Extensive	Moderate	Just Starting	None	

			NPDES ID. No.: 9
EMERG	ENCY SPILLWAY		
1.	Does it appear that the emergency spillway has disc	harged water since the last	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		
	Pond empty at time of inspection.		

MCO / LANDOUNDMENT INSPECTOR

Date: 11-26-2019

## QUARTERLY SEDIMENTATION POND INSPECTION REPORT Lorencito Canyon Mine- November 26, 2019



Pond 6



Pond 8



Pond 9a



Pond 9

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