CDMR Rule 4.05.9(17)

Mine:		Lorencito		_			
NPDES	S ID. No.:	Pond #5					
Inspec	ction Period:	Third Quarter 20	19				
Inspec	tion Date:	9/19/2019		_			
This po	al Description or Record is located West can the embankriges south into Cow	of the area of mir nent keyed into b	ning scheduled for edrock. Side slope	⁻ 2001-2002. The es are less than 2	e pond is partially PH:1V. The primar	incised inf y	co
EMBA	NKMENT						
1. 2. 3.	Adequacy of the Erosion forming G	Sullies:		Excellent Extensive	Moderate Some	Few Few	Poor None
		pstream embankı	ment?	Yes		No	Х
	At the pr	incipal spillway in	let?			No	
4.	Erosion of the do	wnstream toe of t	he embankment?			No	Х
	Cause of	erosion can be at	tributed to:				
5.	Is seepage occurri	ng through the da	am?	Yes		No	Х
	Could thi	s seepage cause p	otential instabilit	y?	-		
PRINICI	PAL SPILLWAY						
1.	Is the principal spi	llway system in w	orking order?	Yes	X	No	
2.	Is the inlet free of			Yes	X		
3.	Is the discharge ou			Yes	X	No	
4.	Is erosion occurrin			Yes		No	X
	Evaluate the sever	ity:	Extensive	Moderate	Just Starting	None	

			NPDES ID. No.: 5
EMEDO	ENCY SPILLWAY		
		di anno di makani delekari da ili de-	t increation?
1.	Does it appear that the emergency spillway has disc	charged water since the las	
		YES	NOX
2.	Is erosion occurring at any section of the emergence	y spillway?	
		YES	NOX
SEDMI	MENT STORAGE CAPACITY		
1.	Has the design storage capacity of the reservoir bee	en surpassed?	
	nus the design sterege suprem, or the reserver	YES	NOX
	Explain: Sediment in pond does not appear to be o	ver canacity by visual inspe	ection.
	Explain. Sediment in pond does not appear to be o	ver capacity by visual mape	
	7		
OTHER	OBSERVATIONS		
• • • • • • • • • • • • • • • • • • • •			
	Pond is empty.		
1	mio Masseratt		
MSHA	CERTIFIED IMPOUNDMENT INSPECTOR		
Date:	9-19-2019		

CDMR Rule 4.05.9(17)

Mine:		Lorencito		_			
NPDES	ID. No.:	Pond #6		_			
Inspect	tion Period:	Third Quarter 2	019	_			
Inspect	tion Date:	9/19/2019		_			
Genera	al Description or Re	eference to Site I	Plan:				
into be	nd is located south drock and the emb ges south into Jeff	ankment keyed i	nto bedrock. Side				
EMBAN	IKMENT						
1.	Adequacy of the	vegetative cover	:	Excellent	Moderate	Few	Poor
2.	Erosion forming			Extensive	Some	Few	None
3.	Is wave action ca	_					
		upstream embani			THE STATE OF THE S	No	X
	At the p	rincipal spillway i	inlet?	Yes		No	Х
4.	Erosion of the do	wnstream toe of	the embankment?	Yes		No	Х
	Cause of	f erosion can be a	attributed to:				
5.	Is seepage occurr	ring through the	dam?	Yes		No	X
	Could th	is seepage cause	potential instabili	:y?			
PRINICI	PAL SPILLWAY						
1.	Is the principal sp			Yes	X		
2.	Is the inlet free of			Yes	X		
3.	Is the discharge o			Yes	X		
4.	Is erosion occurri	ng at the dischar	ge outlet?	Yes		No	X
	Evaluate the seve	erity:	Extensive	Moderate	Just Starting	None	

			NPDES	ID. No.:_	6
EMERG	ENCY SPILLWAY				
1.	inspect	ion?			
		YES	NO	Х	_
2.	Is erosion occurring at any section of the emergency	spillway?			
		YES	NO	Х	_
EDMI	MENT STORAGE CAPACITY				
1.	Has the design storage capacity of the reservoir been	n surpassed? YES	NO	Х	
	Explain: Visual observation				_
OTHER	OBSERVATIONS				
	Pond is holding a small amount of water. Water level	l is well below the decant.			_
	18 <u></u>				_

MSHA CERTIFIED IMPOUNDMENT INSPECTOR

Date: 9-19-2019

CDMR Rule 4.05.9(17)

Mine:		Lorencito		==			
NPDES	ID. No.:	Pond #7		<u>-</u>			
Inspect	tion Period:	Third Quarter 2	019	_			
Inspect	tion Date:	6/19/2019		_			
Genera	al Description or R	eference to Site	Plan:				
into be		bankment keyed i	nining scheduled fo into bedrock. Side e.				
EMBAN	NKMENT						
1.	Adequacy of the	vegetative cover	:	Excellent	Moderate	Few	Poor
2.	Erosion forming	_		Extensive	Some	Few	None
3.	Is wave action ca						
		upstream emban	kment?	Yes		No	Χ
		principal spillway				No.	
	710 0110 p	omicipal opiniva y		165			
4.	Erosion of the do	ownstream toe of	the embankment	? Yes		No	Х
	Cause o	of erosion can be	attributed to:	4			
5.	Is seepage occur	ring through the	dam?	Yes		No	X
	Could ti	his seepage cause	potential instabili	ty?			
	-						
PRINICI	PAL SPILLWAY						
1.		pillway system in		Yes	X	No	
2.	Is the inlet free o	of debris and restr	rictive material?	Yes	X	No	
3.	Is the discharge	outlet free of rest	rictive material?	Yes	X	No	
4.	-	ing at the dischar		Yes		No	Х
			-			8	
	Evaluate the seve	erity:	Extensive	Moderate	Just Starting	None	

			MPDE	S ID. NO.:/
EMERG	GENCY SPILLWAY			
1.	Does it appear that the emergency spillway has disc	charged water since the las	t inspec	tion?
		YES	NO	Χ
2.	Is erosion occurring at any section of the emergence	y spillway?		
		YES	NO	Χ
SEDMI	MENT STORAGE CAPACITY			
1.	Has the design storage capacity of the reservoir bee	en surpassed? YES	NO	X
	Explain: Visual observation			
OTHER	OBSERVATIONS			
	Pond empty at time of inspection.			
	8			

MSHA CERTIFIED IMPOUNDMENT INSPECTOR

Date: 9-19-2019

CDMR Rule 4.05.9(17)

Mine:		Lorencito		<u> </u>			
NPDES	ID. No.:	Pond #8		_			
Inspec	tion Period:	Third Quarter 20	19	_			
Inspect	tion Date:	9/19/2019		-			
This po	al Description or Re and is located south drock and the emb ges south into Jeff	n of the area of min pankment keyed in	ning scheduled fo to bedrock. Side s				
EMBAN	IKMENT						
1.	Adequacy of the	vegetative cover:		Excellent	Moderate	Few	Poor
2.	Erosion forming	_		Extensive	Some	Few	None
3.	Is wave action ca	_					
		upstream embankı		Yes		No	Χ
	At the p	rincipal spillway in	let?	Yes		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 occurr	ring through the da	am?	Yes		No	Х
	Could th	iis seepage cause p	ootential instabilit	y?			
PRINICI	PAL SPILLWAY						55 F
1.	Is the principal sp	oillway system in w	orking order?	Yes	X	No	
2.		f debris and restric	_	Yes	X	No	
3.	Is the discharge of	outlet free of restri	ctive material?	Yes	X	No	
4.	_	ng at the discharge		Yes		No	Х
	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 disc	harged water since the las	t inspect	ion?
		YES	NO	Χ
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 empty at time of inspection.			-)

MSHA CERTIFIED IMPOUNDMENT INSPECTO

Date: 9-19-2019

CDMR Rule 4.05.9(17)

Mine:		Lorencito		<u> </u>			
NPDES	ID. No.:	Pond #9A (Sout	<u>h)</u>	_			
Inspec	tion Period:	Third Quarter 2	019	_			
Inspec	tion Date:	9/19/2019					
Genera	al Description or R	leference to Site I	Plan:				
into be	and is located sout edrock and the em rges south into Jef	bankment keyed i					
EMBA	NKMENT						
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 embanl				No	
	At the p	principal spillway i	inlet?	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.		ring through the o	dam? potential instabili			No	
PRINICI	PAL SPILLWAY						y 18
1.	Is the principal s	pillway system in	working order?	Yes	X	No	
2.		of debris and restr	_	Yes	X	No	
3.	Is the discharge	outlet free of rest	rictive material?	Yes	X	No	
4.	Is erosion occurr	ing at the dischar	ge outlet?	Yes		No	Х
	Evaluate the sev	erity:	Extensive	Moderate	Just Starting	None	

			NPDE2	ID. No.: <u>9A</u>
EMERG	ENCY SPILLWAY			
1.	Does it appear that the emergency spillway has discha	rged water since the last	inspecti	on?
	Υ	ES	NO	X
2.	Is erosion occurring at any section of the emergency sp	pillway?		
	Υ	ES	NO	X
SEDMI	MENT STORAGE CAPACITY			
1.	Has the design storage capacity of the reservoir been s	surpassed? ES	NO	X
	Explain: Visual observation			
OTHER	OBSERVATIONS Pond holding a small amount of water at time of inspe	ction.		

MSHA CERTIFIED IMPOUNDMENT INSPECTOR

Date: 9-19-3019

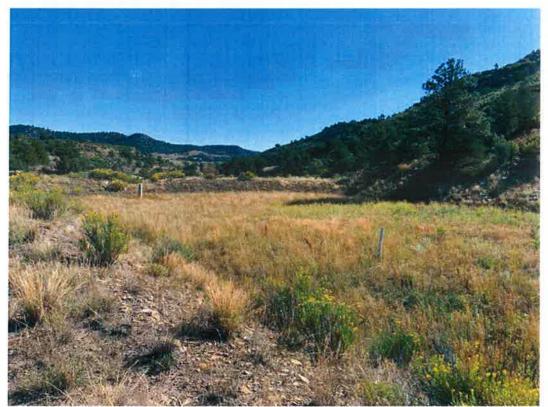
CDMR Rule 4.05.9(17)

Mine:		Lorencito					
NPDES	ID. No.:	Pond #9 (North)				
Inspec	tion Period:	Third Quarter 2	019	_			
Inspec	tion Date:	9/19/2019		_			
Genera	al Description or R	Reference to Site	Plan:				
into be		bankment keyed	nining scheduled fo into bedrock. Side rainage.				
EMBA	NKMENT						
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 emban		Yes		No	X
	At the p	orincipal spillway	inlet?	Yes		No	Х
4.	Erosion of the d	ownstream toe o	f the embankment	? Yes		No	Х
	Cause o	of erosion can be	attributed to:	2)			
5.	-	rring through the		9.55.50 A		No	
	Could t	his seepage cause	e potential instabil	ity?			
	(2						
PRINIC	IPAL SPILLWAY						
1.	Is the principal s	pillway system in	working order?	Yes	X	No	
2.		of debris and rest		Yes	X	No	
3.		outlet free of rest		Yes	X	No	
3. 4.	_	ing at the dischar		Yes	^	No	X
٦.	is crosion occurr	ing at the dischar	Pe onner:	163		140	
	Evaluate the sev	erity:	Extensive	Moderate	Just Starting	None	

			NPDES	5 ID. No.:
MERG	ENCY SPILLWAY			
1.	Does it appear that the emergency spillway	has discharged water since t	the last inspec	tion?
		YES	NO	X
2.	Is erosion occurring at any section of the em	ergency spillway?		
		YES	NO	X
EDMII	MENT STORAGE CAPACITY			
1.	Has the design storage capacity of the reserv	="		
		YES	NO	X
	Explain: Visual observation			
THER	OBSERVATIONS			
	Pond empty at time of inspection.			
		/		

MSHA CERTIFIED IMPOUNDMENT INSPECTOR
Date: 9-19-2019

QUARTERLY SEDIMENTATION POND INSPECTION REPORT Lorencito Canyon Mine- September 19, 2019



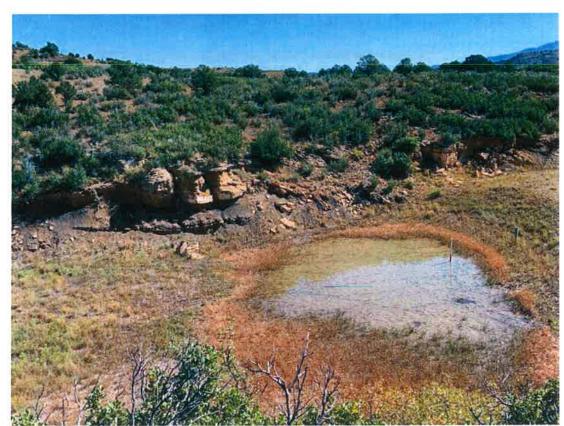
Pond 5



Pond 6



Pond 8



Pond 9a



Pond 9