Min		Lorencito								
NP	DES ID	. No.:	Pond #5							
Ins	pection	Period:	Second Quarte	r 2017						
Ins	pection	Date:	6/16/17							
·	•									
Ge	neral D	escription	or Reference t	o Site Plan	:					
is p	artially	incised into	West of the area bedrock and th han 2H:1V. The	e embankm	nent keyed	d into bed	rock.		ainage	<b>)</b> .
ΕM	IBANKI	MENT								
1).	Adequ	acy of the \	egetative cover	Exce	ellent Mo	oderate F	ew	Poor		
2).	Erosio	n forming C	Gullies:	Exte	ensive So	me (F	ew	None		
3).	Is wave		using erosion: stream embank	ment?		Yes			No	V
			cipal spillway inl			Yes_	-	-	No_	١
4).	Erosio		wnstream toe of erosion can be a			Yes_		_	No_	V
		P								
5).	Is seep		ring through the			Yes_		_	No_	V
		Could this	seepage cause	potential in	stability?					
PR	INCIPA	L SPILLW	ΑΥ							
1).	Is the p	principal sp	illway system in	working ord	der?	Yes_		-	No_	
2).	Is the i	inlet free of	debris and rest	rictive mate	rial?	Yes_	V	_	No_	
3).	Is the	discharge o	outlet free of rest	trictive mate	erial?	Yes_	V	_	No_	
4).		sion occurri	ng at the discha	rge outlet?	derate	Yes_	arting	_ None	No_	

EMERGENCY SPILLWAY
Does it appear that the emergency spillway has discharged water since the last inspection?  Yes No  No
2). Is erosion occurring at any section of the emergency spillway?  Yes No
Describe extent:
SEDIMENT STORAGE CAPACITY
1). Has the design storage capacity of the reservoir been surpassed?  Yes No
Explain:
Pond should be surveyed to determine storage
OTHER OBSERVATIONS
Pond 5 was constructed prior to mine clasure
and final rectamation. Only limited disturbance
occurred within the pand 5 drainge hasin.
Access is limited for equipment needed for
sediment removal and disposal, and may
regaine a permit revision.
·
MSHA Qualified Impoundment Inspector
/ 11/ /2017

CDMR Rule 4.05.9(17)

Mine:

Lorencito

Ins	PDES ID spection spection	Period:	Pond #6 Second C 6/16/17	Quarter 2017						
Ge	eneral D	escription	or Refere	nce to Site	Plan:					
is p	oartially	incised into	bedrock a	e area of mi and the emb . The prima	ankment ke	yed into	bedrock.		ainage	<del>)</del> .
ΕN	/IBANKI	MENT								
1).	Adequ	acy of the v	egetative o	cover:	Excellent	Moderat	te Few	Poor		
2).	Erosio	n forming (	Gullies:		Extensive	Some	Few	None		
3).	Is wave		-	bankment?			eses		No_ No_	<i>L</i>
4).	Erosio			oe of the en		Y	es		No_	
5).	Is seep			h the dam? ause potent	ial instabilit		es		No_	<i>V</i>
PR	INCIPA	L SPILLW	AY							
1).	Is the p	orincipal sp	illway syste	em in workin	g order?	Ye	es		No_	
2).	Is the in	nlet free of	debris and	restrictive r	material?	Ye	es		No_	
3).	Is the c	discharge o	utlet free o	f restrictive	material?	Ye	es		No_	
		ion occurring the sever		scharge out Extensive			es t starting	 None	No_	

Pand 6

# **EMERGENCY SPILLWAY** 1). Does it appear that the emergency spillway has discharged water since the last inspection? 2). Is erosion occurring at any section of the emergency spillway? Describe extent: SEDIMENT STORAGE CAPACITY 1). Has the design storage capacity of the reservoir been surpassed? Explain: **OTHER OBSERVATIONS**

Qualified Impoundment Inspector

Mir	ne:	Lorencito									
NP	DES ID	. No.:	Pond #7								
Ins	pection	Period:	Second Q	uarter 2017	7	-					
Ins	pection	Date:	6/16/17			•					
Ge	neral D	escription	or Refere	nce to Site	Plan:						
is p Sid	partially	incised into	bedrock a	nd the emb	ning schedu eankment ke ary discharg	eyed into	bedroo	ck.			
EN	IBANKI	VIENT									
1).	Adequ	acy of the v	egetative c	cover:	Excellent (	Modera	te Fev	<b>/</b>	Poor		
2).	Erosio	n forming G	Gullies:		Extensive	Some	Fev	y)	None		
3).	Is wave	e action cau	using erosid	on:							
		On the Ups				Υ	'es		_	No_	-
		At the princ	cipal spillwa	ay inlet?	5	Υ	'es		_	No_	V
4).	Erosio	n of the dov Cause of e			nbankment	Y	'es		_	No_	
		Cause of e	rosion can	be attribute	<b>∃</b> 0 (0.						
	я							emano orono			
5).	Is seep	page occurr					'es		_	No_	V
		Could this	seepage ca	ause potent	tial instabilit	y?					
	9			2 							
PR	INCIPA	L SPILLWA	ΑY								
1).	Is the p	orincipal spi	llway syste	m in workir	ng order?	Y	es	/_	_	No_	
2).	Is the i	nlet free of	debris and	restrictive r	material?	Υ	es		-	No_	
3).	Is the o	lischarge o	utlet free of	f restrictive	material?	Υ	es	/	-	No_	
,		ion occurring the the sever	•	•	tlet? Moderate		es st startir	ng	None	No_	V

EMERGENCY SPILLWAY
Does it appear that the emergency spillway has discharged water since the last inspection?  Yes No  Yes No  Yes No  No  Yes No  **The discharged water since the last inspection?
2). Is erosion occurring at any section of the emergency spillway?  Yes No
Describe extent.
SEDIMENT STORAGE CAPACITY
1). Has the design storage capacity of the reservoir been surpassed?  Yes No
pond felling with water from recent precipitation.
Pond is nearly fall but not discharging at time of inspection.
Rnall of Homes  MSHA Qualified Impoundment Inspector
6 / 16/2017 Date

Mine:	Lorencito								
NPDES ID	. No.:	Pond #8							
Inspection	Period:	Second Qua	arter 2017						
Inspection	Date:	6/16/17							
•									
General D	escription	or Referen	ce to Site	Plan:					
is partially	incised into	bedrock an	d the emba	ing scheduled fo ankment keyed rry discharges n	into be	drock.			
EMBANK	MENT								
1). Adequ	acy of the v	egetative co	over:	Excellent Mo	derate	Few	Poor		
2). Erosic	n forming C	Gullies:		Extensive Sor	me	Few	None		
3). Is way		using erosio			Yes			No	V
		stream emb cipal spillwa			Yes		- -	No_	~
4). Erosic		wnstream to			Yes	0	_	No_	
	Cause of e	erosion can l	oe attribute	ed to:					
5). Is see		ring through			Yes			No_	/
	Could this	seepage ca	use potent	ial instability?					
PRINCIPA	AL SPILLW	AY							
1). Is the	principal sp	illway syster	n in workir	ng order?	Yes		-	No_	
2). Is the	inlet free of	debris and	restrictive i	material?	Yes		_	No_	
3). Is the	discharge o	outlet free of	restrictive	material?	Yes		_	No_	
,	sion occurri	ng at the dis rity:		tlet? Moderate	Yes Just s	starting	None	No_	

#### **EMERGENCY SPILLWAY**

1). Does it appear that the emergency spillway has discharged water since the last inspection?  Yes No
2). Is erosion occurring at any section of the emergency spillway?  Yes No/  Describe extent:
SEDIMENT STORAGE CAPACITY
1). Has the design storage capacity of the reservoir been surpassed?  Yes No Your Storage Capacity of the reservoir been surpassed?  Yes No Your Storage Capacity of the reservoir been surpassed?
Observations before pand tilled with water.
OTHER OBSERVATIONS
Pond was full but not discharging at Time of inspealion. Minor erasion in
embankment outslope may require
tutue maintenance and should be
MSHA Qualified Impoundment Inspector
1111/7017

CDMR Rule 4.05.9(17)

Mine:

Lorencito

NF	PDES ID	). No.:	Pond #9A	(South)						
Ins	spection	Period:		uarter 2017		-				
Ins	spection	Date:	6/16/17	7						
Th	is pond partially	is located s incised into	bedrock ar	of the area on and the emb	Plan: of mining scl ankment key ischarges sc	yed into be	drock. Side	e slopes		
ΕN	/IBANKI	MENT								
1).	Adequ	acy of the v	egetative c	over:	Excellent (	Moderate	Few	Poor		
2).	Erosio	n forming G	Gullies:		Extensive	Some C	Few	None		
3).	Is wav		using erosic stream emb			Yes			No	1
			cipal spillwa			Yes		_	No_	
4).	Erosio		vnstream to		nbankment?	Yes		_	No_	
		Cause of e	iosion can	be attribute	iu io.		<del></del>			
5).	Is seep	_	ing through		ial instability	Yes		_	No_	V
		Could triis	seepage ca	iuse potenti	ial instability	1				
PR	INCIPA	L SPILLW	AY							
1).	Is the p	orincipal spi	llway syster	n in workin	g order?	Yes	V	_	No_	
2).	Is the i	nlet free of	debris and	restrictive n	naterial?	Yes	V	_	No_	
3).	Is the o	discharge o	utlet free of	restrictive ı	material?	Yes		_	No_	
		ion occurrir e the sever	ng at the dis ity:	_	let? Moderate	Yes Just s	tarting	- None	No_	V

POND 9 A

EME	RGE	NCY	SPI	LLV	VA
1). [	oes it	app	ear t	hat	the

1). Does it appear that the emergency spillway has discharge	ged water since the last Yes	inspection?
Is erosion occurring at any section of the emergency sp      Describe extent:	oillway? Yes	No
SEDIMENT STORAGE CAPACITY		
Has the design storage capacity of the reservoir been so  Explain:  Based on recent absence for the contact of the reservoir been so  Based on recent absence for the contact of the	Yes	No V ecent inflocus
	but pot a Embantme vell vegetat	elischarging ent aus in El with
MSHA Qualified Impoundment/Inspector  6 / 16 / 2017  Date		

Min	ne:	Lorencito									
NP	DES ID.	No.:	Pond #9 (No	rth)							
Insp	pection	Period:	Second Qua	rter 2017		_					
Ins	pection	Date:	6/16/2017			_					
Gei	neral De	escription	or Referenc	e to Site P	lan:						
is p are	artially i	ncised into	orth-east of to bedrock and The primary s	the embar	nkment key	ed into b	pedrock	. Side s	lopes		
EM	BANKI	MENT									
1).	Adequa	acy of the v	egetative cov	ver:	Excellent (	Modera	rate Fe	eW	Poor		
2).	Erosion	n forming G	Bullies:		Extensive	Some	Fe	ew	None		
3).			using erosion							NI-	
			stream emba cipal spillway				Yes		-	No —	2
									-		
4).			vnstream toe erosion can be				Yes		-	No_	
		Cause of e	siosion can bi	e attributed	1 10.	-					
E)	lo occo	000 000 11	ing through t	ho dam?			Yes			No	1/
5).		_	ing through t seepage cau		al instability	?	103—		-		
PR	INCIPA	L SPILLW	AY								
1).	Is the p	orincipal sp	illway system	in working	order?		Yes	1	_	No_	
2).	Is the in	nlet free of	debris and re	estrictive m	aterial?		Yes	1	-	No_	
3).	Is the c	lischarge o	utlet free of r	estrictive m	naterial?		Yes	V	_	No_	
		ion occurrii e the sever	ng at the disc	harge outle Extensive		Jι	Yes ust start	ing	None	No_	V

1). Does it appear that the emergency s	pillway has discharged water since the Yes	
Is erosion occurring at any section of Describe extent:	of the emergency spillway? Yes	No
SEDIMENT STORAGE CAPACITY		
1). Has the design storage capacity of t  Explain:  Based on previous	he reservoir been surpassed? Yes  was abservation, prior	
evidence	to point of discharge monitoring Hume	ge flows at
MSHA Qualified Impoundment Inspecto	r	

**EMERGENCY SPILLWAY**