CDMR Rule 4.05.9(17)

Mine:	Lorencito
NPDES ID. No.:	Pond #5
Inspection Period:	Fourth Quarter 2020
Inspection Date:	11/20/2020

General Description or Reference to Site Plan:

This pond is located West of the area of mining scheduled for 2001-2002. The pond is partially incised into bedrock and the embankment keyed into bedrock. Side slopes are less than 2H:1V. The primary discharges south into Cow Canyon drainage.

EMBANKMENT

1.	Adequacy of the vegetative cover:	Excellent	Moderate	Few	Poor
2.	Erosion forming Gullies:	Extensive	Some	Few	None
3.	Is wave action causing erosion:				
	On the upstream embankment?	Yes		No	Х
	At the principal spillway inlet?	Yes		No	Х
4.	Erosion of the downstream toe of the embankmen	it? Yes		No	Х
	Cause of erosion can be attributed to:				
	Cause of erosion can be attributed to.				
5.	Is seepage occurring through the dam?	Yes		No	Х
	Could this seepage cause potential instab	ility?			

1.	Is the principal spillway system	in working order?	Yes	Х	No	
2.	Is the inlet free of debris and re	estrictive material?	Yes	Х	No	
3.	Is the discharge outlet free of r	estrictive material?	Yes	Х	No	
4.	Is erosion occurring at the disc	harge outlet?	Yes		No <u>X</u>	
	Evaluate the severity:	Extensive	Moderate	Just Starting	None	

NPDES ID. No.: 5

EMERGENCY SPILLWAY

1. Does it appear that the emergency spillway has discharged water since the last inspection?

		YES	NO	Х
2.	Is erosion occurring at any section of the emergency	spillway?		
		YES	NO	х
SEDMIN	VENT STORAGE CAPACITY			
1.	Has the design storage capacity of the reservoir been	n surpassed?		
		YES	NO	Х
	Explain: Sediment in pond does not appear to be ov	er capacity by visual inspec	<u>tion.</u>	

OTHER OBSERVATIONS

Pond empty at time of inspection

CDMR Rule 4.05.9(17)

Mine:	Lorencito
NPDES ID. No.:	Pond #6
Inspection Period:	Fourth Quarter 2020
Inspection Date:	11/20/2020

General Description or Reference to Site Plan:

This pond is located south of the area of mining scheduled for 2001-2002. The pond is partially incised into bedrock and the embankment keyed into bedrock. Side slopes are less than 2H:1V. The primary discharges south into Jeff Canyon drainage.

EMBANKMENT

1.	Adequacy of the vegetative cover:	Excellent	Moderate	Few	Poor
2.	Erosion forming Gullies:	Extensive	Some	Few	None
3.	Is wave action causing erosion:				
	On the upstream embankment?	Yes		No	Х
	At the principal spillway inlet?	Yes		No	Х
4.	Erosion of the downstream toe of the embankme	nt? Yes		No	Х
	Cause of erosion can be attributed to:				
5.	Is seepage occurring through the dam?	Yes		No	х
5.	is seepage occurring through the dam:	165		NO	^
	Could this seepage cause potential instat	nility?			

1.	Is the principal spillway system	in working order?	Yes	Х	No	
2.	Is the inlet free of debris and re	estrictive material?	Yes	Х	No	
3.	Is the discharge outlet free of r	estrictive material?	Yes	Х	No	
4.	Is erosion occurring at the disc	harge outlet?	Yes		No	Х
	Evaluate the severity:	Extensive	Moderate	Just Starting	None	

NPDES ID. No.: 6

EMERGENCY SPILLWAY

		YES	NO	X			
2.	Is erosion occurring at any section of the emergency	spillway?					
		YES	NO	x			
SEDMIN	IENT STORAGE CAPACITY						
1.	Has the design storage capacity of the reservoir been	n surpassed? YES	NO	<u>x</u>			
	Explain: Visual observation						
OTHER OBSERVATIONS							
	Pond empty at time of inspection.			_			

CDMR Rule 4.05.9(17)

Mine:	Lorencito
NPDES ID. No.:	Pond #7
Inspection Period:	Fourth Quarter 2020
Inspection Date:	11/20/2020

General Description or Reference to Site Plan:

This pond is located south of the area of mining scheduled for 2001-2002. The pond is partially incised into bedrock and the embankment keyed into bedrock. Side slopes are less than 2H:1V. The primary discharges south into Jeff Canyon drainage.

EMBANKMENT

1.	Adequacy of the vegetative cover:	Excellent	Moderate	Few	Poor
2.	Erosion forming Gullies:	Extensive	Some	Few	None
3.	Is wave action causing erosion:				
	On the upstream embankment?	Yes		No	Х
	At the principal spillway inlet?	Yes		No	Х
4.	Erosion of the downstream toe of the embankme	nt? Yes		No	х
	Cause of erosion can be attributed to:				
5.	Is seepage occurring through the dam?	Yes		No	Х
	Could this seepage cause potential instat	oility?			

1.	Is the principal spillway system	in working order?	Yes	Х	No	
2.	Is the inlet free of debris and re	estrictive material?	Yes	Х	No	
3.	Is the discharge outlet free of r	estrictive material?	Yes	Х	No	
4.	Is erosion occurring at the disc	harge outlet?	Yes		No <u>X</u>	
	Evaluate the severity:	Extensive	Moderate	Just Starting	None	

NPDES ID. No.: 7

EMERGENCY SPILLWAY

		YES	NO	Х
2.	Is erosion occurring at any section of the emergency	spillway?		
		YES	NO	Х
SEDMIN	IENT STORAGE CAPACITY			
1.	Has the design storage capacity of the reservoir beer	surpassed? YES	NO	<u>x</u>
	Explain: Visual observation			
OTHER	OBSERVATIONS			
	Pond empty at time of inspection.			

CDMR Rule 4.05.9(17)

Mine:	Lorencito
NPDES ID. No.:	Pond #8
Inspection Period:	Fourth Quarter 2020
Inspection Date:	11/20/2020

General Description or Reference to Site Plan:

This pond is located south of the area of mining scheduled for 2001-2002. The pond is partially incised into bedrock and the embankment keyed into bedrock. Side slopes are less than 2H:1V. The primary discharges south into Jeff Canyon drainage.

EMBANKMENT

1.	Adequacy of the vegetative cover:	Excellent	Moderate	Few	Poor
2.	Erosion forming Gullies:	Extensive	Some	Few	None
3.	Is wave action causing erosion:				
	On the upstream embankment?	Yes		No	Х
	At the principal spillway inlet?	Yes		No	Х
4.	Erosion of the downstream toe of the embankmer	nt? Yes		No	Х
	Cause of erosion can be attributed to:				
5.	Is seepage occurring through the dam?	Yes		No	х
5.		100			~
	Could this seepage cause potential instab	ilitv?			
		- / ·			

1.	Is the principal spillway system	in working order?	Yes	Х	No	
2.	Is the inlet free of debris and re	estrictive material?	Yes	Х	No	
3.	Is the discharge outlet free of r	estrictive material?	Yes	Х	No	
4.	Is erosion occurring at the disc	harge outlet?	Yes		No	Х
	Evaluate the severity:	Extensive	Moderate	Just Starting	None	

EMERGENCY SPILLWAY

		YES	NO	Х			
2.	Is erosion occurring at any section of the emergency	spillway?					
		YES	NO	x			
SEDMIN	SEDMIMENT STORAGE CAPACITY						
1.	Has the design storage capacity of the reservoir beer	n surpassed? YES	NO	<u>x</u>			
	Explain: Visual observation						
OTHER	OTHER OBSERVATIONS						
	Pond empty at time of inspection.						

CDMR Rule 4.05.9(17)

Mine:	Lorencito
NPDES ID. No.:	Pond #9 (North)
Inspection Period:	Fourth Quarter 2020
Inspection Date:	11/20/2020

General Description or Reference to Site Plan:

This pond is located south of the area of mining scheduled for 2001-2002. The pond is partially incised into bedrock and the embankment keyed into bedrock. Side slopes are less than 2H:1V. The primary discharges north into a small unnamed drainage.

EMBANKMENT

1.	Adequacy of the vegetative cover:	Excellent	Moderate	Few	Poor
2.	Erosion forming Gullies:	Extensive	Some	Few	None
3.	Is wave action causing erosion:				
	On the upstream embankment?	Yes		No	Х
	At the principal spillway inlet?	Yes		No	Х
4.	Erosion of the downstream toe of the embankmen	nt? Yes		No	Х
	Cause of erosion can be attributed to:				
5.	Is seepage occurring through the dam?	Yes		No	х
•					
	Could this seepage cause potential instab	oility?			

1.	Is the principal spillway system in	working order?	Yes	Х	No	
2.	Is the inlet free of debris and rest	rictive material?	Yes	Х	No	
3.	Is the discharge outlet free of res	trictive material?	Yes	Х	No	
4.	Is erosion occurring at the discha	rge outlet?	Yes		No	Х
	Evaluate the 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	Х				
2.	Is erosion occurring at any section of the emergency	y spillway?						
		YES	NO	х				
SEDMI	SEDMIMENT STORAGE CAPACITY							
1.	Has the design storage capacity of the reservoir bee	n surpassed? YES	NO	x				
	Explain: Visual observation							
OTHER	OTHER OBSERVATIONS							

Pond not holding water at time of inspection.

CDMR Rule 4.05.9(17)

Mine:	Lorencito
NPDES ID. No.:	Pond #9A (South)
Inspection Period:	Fourth Quarter 2020
Inspection Date:	11/20/2020

General Description or Reference to Site Plan:

This pond is located south of the area of mining scheduled for 2001-2002. The pond is partially incised into bedrock and the embankment keyed into bedrock. Side slopes are less than 2H:1V. The primary discharges south into Jeff Canyon.

EMBANKMENT

1.	Adequacy of the vegetative cover:	Excellent	Moderate	Few	Poor
2.	Erosion forming Gullies:	Extensive	Some	Few	None
3.	Is wave action causing erosion:				
	On the upstream embankment?	Yes		No	Х
	At the principal spillway inlet?	Yes		No	Х
4.	Erosion of the downstream toe of the embankmer	nt? Yes		No	Х
	Cause of erosion can be attributed to:				
5.	Is seepage occurring through the dam?	Yes		No	Х
	Could this seepage cause potential instab	ility?			

1.	Is the principal spillway system i	n working order?	Yes	Х	No	
2.	Is the inlet free of debris and res	trictive material?	Yes	Х	No	
3.	Is the discharge outlet free of re	strictive material?	Yes	Х	No	
4.	Is erosion occurring at the discha	arge outlet?	Yes		No	Х
	Evaluate the severity:	Extensive	Moderate	Just Starting	None	

EMERGENCY SPILLWAY

		YES	NO	Х		
2.	Is erosion occurring at any section of the emergency	v spillway?				
		YES	NO	Х		
SEDMIN	VENT STORAGE CAPACITY					
1.	Has the design storage capacity of the reservoir bee	n surpassed?				
		YES	NO	Х		
	Explain: Visual observation					
OTHER OBSERVATIONS						
	Pond was empty at time of inspection.					

QUARTERLY SEDIMENTATION POND INSPECTION REPORT Lorencito Canyon Mine- November 20, 2020



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 impoundment inspector.

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.

nico Massaratti <u>//-23-20</u> Date Inspector

Inspections completed in compliance with Rule 4.09.1(11)(b) must be submitted to the Division within two weeks of completion.