CDMR Rule 4.05.9(17)

Mine:	Lorencito
NPDES ID. No.:	Pond #5
Inspection Period:	Fourth Quarter 2022
Inspection Date:	12/11/2022

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 embankment	? Yes		No	х
	Cause of erosion can be attributed to:				
5.	Is seepage occurring through the dam?	Ves		No	х
5.	is seepage occurring through the dam:	163		NO	^
	Could this seepage cause potential instabil	ity?			

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	X
	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	v spillway?					
		YES	NO	x			
SEDMIN	SEDMIMENT STORAGE CAPACITY						
1.	Has the design storage capacity of the reservoir bee	n surpassed?					
		YES	NO	<u>X</u>			
	Explain: Sediment in pond does not appear to be ov	er capacity by visual inspec	tion.				

OTHER OBSERVATIONS

Pond was dry at time of inspection. No issues observed.

CDMR Rule 4.05.9(17)

Mine:	Lorencito
NPDES ID. No.:	Pond #6
Inspection Period:	Fourth Quarter 2022
Inspection Date:	12/11/2022

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 embankmen	it? Yes		No	х
		105		NO	
	Cause of erosion can be attributed to:				
5.	Is seepage occurring through the dam?	Voc		No	х
5.	is seepage occurring through the dam:	165		NO	^
	Could this seepage cause potential instabi	ility?			

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	X
	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	spillway?				
		YES	NO	х		
SEDMIN	SEDMIMENT STORAGE CAPACITY					
1.	Has the design storage capacity of the reservoir beer	n surpassed? YES	NO	x		
	Explain: Visual observation					

OTHER OBSERVATIONS

Pond was holding water but not discharging at time of inspection. No Issues

CDMR Rule 4.05.9(17)

Mine:	Lorencito
NPDES ID. No.:	Pond #7
Inspection Period:	Fourth Quarter 2022
Inspection Date:	12/11/2022

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 ca	using erosion:					
	On the	upstream embankment?	Yes		No	Х	
	At the p	rincipal spillway inlet?	Yes		No	Х	
4.	Erosion of the do	ownstream toe of the embankmen	t? Yes		No	х	
	Cause o	f erosion can be attributed to:					
5.	Is seepage occur	ring through the dam?	Yes		No	х	
	Could th	nis seepage cause potential instabi	lity?				
							-

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	X
	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	spillway?						
		YES	NO	X				
SEDMIN	IENT STORAGE CAPACITY							
1.	Has the design storage capacity of the reservoir beer	n surpassed? YES	NO	x				
	Explain: Visual observation							
OTHER	OTHER OBSERVATIONS							
	Pond was empty at time of inspection.							

CDMR Rule 4.05.9(17)

Mine:	Lorencito
NPDES ID. No.:	Pond #8
Inspection Period:	Fourth Quarter 2022
Inspection Date:	12/11/2022

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 embankmen	it? Yes		No	х
		105		NO	
	Cause of erosion can be attributed to:				
5.	Is seepage occurring through the dam?	Voc		No	х
5.	is seepage occurring through the dam:	165		NO	^
	Could this seepage cause potential instabi	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

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 emergence	y spillway?				
		YES	NO	х		
SEDMI	EDMIMENT STORAGE CAPACITY					
1.	Has the design storage capacity of the reservoir bee	en surpassed? YES	NO	<u>x</u>		
	Explain: Visual observation					

OTHER OBSERVATIONS

Pond was holding a small amount of water at time of inspection.

CDMR Rule 4.05.9(17)

Mine:	Lorencito
NPDES ID. No.:	Pond #9 (North)
Inspection Period:	Fourth Quarter 2022
Inspection Date:	12/11/2022

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	t? 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:	105		NO	Λ
	Could this seepage cause potential instabi	lity?			

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	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 a small amount holding water at time of inspection.

CDMR Rule 4.05.9(17)

Mine:	Lorencito
NPDES ID. No.:	Pond #9A (South)
Inspection Period:	Fourth Quarter 2022
Inspection Date:	12/11/2022

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 embankme	nt? Yes		No	Х
	Cause of erosion can be attributed to:				
F	Is soonage accurring through the dam?	Vac		No	V
5.	Is seepage occurring through the dam?	res		No	Λ
	Could this seepage cause potential instal	oility2			
	could this seepage cause potential histar	Jinty:			

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	X
	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 emergence	y spillway?					
		YES	NO	X			
SEDMI	EDMIMENT STORAGE CAPACITY						
1.	Has the design storage capacity of the reservoir bee	en surpassed? YES	NO	x			
	Explain: Visual observation						

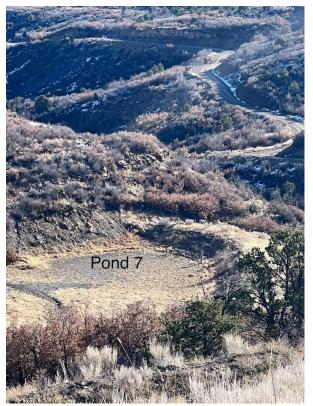
OTHER OBSERVATIONS

Pond was holding a small amount of frozen water. No issues.

QUARTERLY SEDIMENTATION POND INSPECTION REPORT Lorencito Canyon Mine- December 11, 2022



Pond 6



Pond 7



Pond 8



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. Stormes, 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.

Inspector

Date



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