QUARTERLY SEDIMENTATION POND INSPECTION REPORT

CDMR Rule 4.05.9(17)

Mine: New Elk

NPDES ID. No.: Pond #7

Inspection Period: Second Quarter 2019

Inspection Date: 6/19/2019

General Description or Reference to Site Plan:

This sediment control pond lies east of the preparation plant and pond #6. It receives run-off from the majority of the active surface facilities area lying south of State Highway 12.

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__X__	
	At the principal spillway inlet?	Yes____		No__X__	
4.	Erosion of the downstream toe of the embankment?	Yes____		No__X__	

Cause of erosion can be attributed to: _____

_____

5. Is seepage occurring through the dam? Yes____ No__X__

Could this seepage cause potential instability?_____

_____

PRINICIPAL SPILLWAY

1.	Is the principal spillway system in working order?	Yes__X__	No____
2.	Is the inlet free of debris and restrictive material?	Yes__X__	No____
3.	Is the discharge outlet free of restrictive material?	Yes__X__	No____
4.	Is erosion occurring at the discharge outlet?	Yes____	No__X__

Evaluate the severity: Extensive Moderate Just Starting [None]

NPDES ID. No.: 7

EMERGENCY SPILLWAY

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

   YES_____ NO__X__

2. Is erosion occurring at any section of the emergency spillway?

   YES_____ NO__X__

SEDMIMENT STORAGE CAPACITY

1. Has the design storage capacity of the reservoir been surpassed?

   YES_____ NO__X__

   Explain: Visual observation. Pond cleaned in early 2017.

OTHER OBSERVATIONS

Holding little water, nearly dry.

Vince Massaroti

MSHA CERTIFIED IMPOUNDMENT INSPECTOR

Date: 6-20-2019

QUARTERLY SEDIMENTATION POND INSPECTION REPORT

CDMR Rule 4.05.9(17)

Mine: New Elk

NPDES ID. No.: Pond #4

Inspection Period: Second Quarter 2019

Inspection Date: 6/19/2019

General Description or Reference to Site Plan:

This sediment control pond lies west of the Development Waste Pile. The majority of run-off form this waste pile flows to this pond. It has never received sufficient inflow to discharge.

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__X__
   At the principal spillway inlet? Yes_____ No__X__
4. Erosion of the downstream toe of the embankment? Yes_____ No__X__

   Cause of erosion can be attributed to: _____

   _____
5. Is seepage occurring through the dam? Yes_____ No__X__

   Could this seepage cause potential instability?_____

   _____

PRINICIPAL SPILLWAY

1. Is the principal spillway system in working order? Yes__X__ No_____
2. Is the inlet free of debris and restrictive material? Yes__X__ No_____
3. Is the discharge outlet free of restrictive material? Yes__X__ No_____
4. Is erosion occurring at the discharge outlet? Yes_____ No__X__

Evaluate the severity: Extensive Moderate Just Starting [None]

NPDES ID. No.: 4

EMERGENCY SPILLWAY

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

   YES_____ NO__X__

2. Is erosion occurring at any section of the emergency spillway?

   YES_____ NO__X__

SEDMIMENT STORAGE CAPACITY

1. Has the design storage capacity of the reservoir been surpassed?

   YES_____ NO__X__

   Explain: Visual observation.

OTHER OBSERVATIONS

Holding little water in the south-east corner of pond.

MSHA CERTIFIED IMPOUNDMENT INSPECTOR

Date: 6-20-2019

QUARTERLY SEDIMENTATION POND INSPECTION REPORT

CDMR Rule 4.05.9(17)

Mine: New Elk

NPDES ID. No.: Pond #1

Inspection Period: Second Quarter 2019

Inspection Date: 6/19/2019

General Description or Reference to Site Plan:

This pond is located West of the industrial building and serves as a mine water settling and water storage pond.

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__X__	
	At the principal spillway inlet?	Yes____		No__X__	
4.	Erosion of the downstream toe of the embankment?	Yes____		No__X__	
	Cause of erosion can be attributed to:				
5.	Is seepage occurring through the dam?	Yes____		No__X__	
	Could this seepage cause potential instability?				

PRINICIPAL SPILLWAY

1.	Is the principal spillway system in working order?	Yes__X__	No____
2.	Is the inlet free of debris and restrictive material?	Yes__X__	No____
3.	Is the discharge outlet free of restrictive material?	Yes__X__	No____
4.	Is erosion occurring at the discharge outlet?	Yes____	No__X__

Evaluate the severity: Extensive Moderate Just Starting [None]

NPDES ID. No.: 1

EMERGENCY SPILLWAY

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

   YES_____ NO__X__

2. Is erosion occurring at any section of the emergency spillway?

   YES_____ NO__X__

SEDMIMENT STORAGE CAPACITY

1. Has the design storage capacity of the reservoir been surpassed?

   YES_____ NO__X__

   Explain: _____

OTHER OBSERVATIONS

Water level continuous to decrease due to evaporation. No water has been pumped in or released.

Vinio Mascaro

MSHA CERTIFIED IMPOUNDMENT INSPECTOR

Date: 6-20-2019

QUARTERLY SEDIMENTATION POND INSPECTION REPORT

CDMR Rule 4.05.9(17)

Mine: New Elk

NPDES ID. No.: Pond #8

Inspection Period: Second Quarter 2019

Inspection Date: 6/19/2019

General Description or Reference to Site Plan:

This pond lies north of Highway 12 at the base of the refuse disposal area. The pond receives run-off form the refuse disposal area.

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__X__	
	At the principal spillway inlet?	Yes_____		No__X__	
4.	Erosion of the downstream toe of the embankment?	Yes_____		No__X__	
	Cause of erosion can be attributed to:	_____			
5.	Is seepage occurring through the dam?	Yes_____		No__X__	
	Could this seepage cause potential instability?	_____			

PRINICIPAL SPILLWAY

1.	Is the principal spillway system in working order?	Yes__X__	No_____
2.	Is the inlet free of debris and restrictive material?	Yes__X__	No_____
3.	Is the discharge outlet free of restrictive material?	Yes__X__	No_____
4.	Is erosion occurring at the discharge outlet?	Yes_____	No__X__

Evaluate the severity: Extensive Moderate Just Starting [None]

NPDES ID. No.: 8

EMERGENCY SPILLWAY

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

   YES_____ NO__X__

2. Is erosion occurring at any section of the emergency spillway?

   YES_____ NO__X__

SEDMIMENT STORAGE CAPACITY

1. Has the design storage capacity of the reservoir been surpassed?

   YES_____ NO__X__

   Explain: Visual observation. Sediment cleaned out in May 2018

OTHER OBSERVATIONS

Holding little water, nearly dry. No increase in sediment deposits this quarter.

Vince Mossaroth

MSHA CERTIFIED IMPOUNDMENT INSPECTOR

Date: 6-20-2019

QUARTERLY SEDIMENTATION POND INSPECTION REPORT

CDMR Rule 4.05.9(17)

Mine: New Elk Pond 6

NPDES ID. No.: None

Inspection Period: Second Quarter 2019

Inspection Date: 6/19/2019

General Description or Reference to Site Plan:

Pond 6 is a non-discharging facility designed to contain plant processing water. The plant has been idle since 1996 and the pond is now used to dewater other ponds prior to clean-out

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__X__
   - At the principal spillway inlet? Yes_____ No__X__
4. Erosion of the downstream toe of the embankment? Yes_____ No__X__

   Cause of erosion can be attributed to: _____
5. Is seepage occurring through the dam? Yes_____ No__X__

   Could this seepage cause potential instability?_____

SEDMIMENT STORAGE CAPACITY

1. Has the design storage capacity of the reservoir been surpassed?
   YES_____ NO__X__

   Explain: No design capacity.

OTHER OBSERVATIONS

Water level is very low.

Vicky Monarch

MSHA CERTIFIED IMPOUNDMENT INSPECTOR

Date: 6-20-2019

QUARTERLY SEDIMENTATION POND INSPECTION REPORT

CDMR Rule 4.05.9(17)

Mine: New Elk WP Containment #1

NPDES ID. No.: None

Inspection Period: Second Quarter 2019

Inspection Date: 6/19/2019

General Description or Reference to Site Plan:

This containment basin is a non-discharging facility designed to contain run-off from the West Portal Warehouse area.

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__X__
   At the principal spillway inlet? Yes_____ No__X__
4. Erosion of the downstream toe of the embankment? Yes_____ No__X__

   Cause of erosion can be attributed to: _____
5. Is seepage occurring through the dam? Yes_____ No__X__

   Could this seepage cause potential instability?_____

SEDMIMENT STORAGE CAPACITY

1. Has the design storage capacity of the reservoir been surpassed?
   YES_____ NO__X__

   Explain: Visual observation.

OTHER OBSERVATIONS

Containment area empty at time of inspection.

Vince Moorcroft

MSHA CERTIFIED IMPOUNDMENT INSPECTOR

Date: 6-20-2019

QUARTERLY SEDIMENTATION POND INSPECTION REPORT

CDMR Rule 4.05.9(17)

Mine: New Elk WP Containment #2

NPDES ID. No.: None

Inspection Period: Second Quarter 2019

Inspection Date: 6/19/2019

General Description or Reference to Site Plan:

This containment basin is a non-discharging facility designed to contain run-off from the West Potal airshaft and manway areas.

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__X__
   At the principal spillway inlet? Yes_____ No__X__
4. Erosion of the downstream toe of the embankment? Yes_____ No__X__

   Cause of erosion can be attributed to: _____
5. Is seepage occurring through the dam? Yes_____ No__X__

   Could this seepage cause potential instability?_____

SEDMIMENT STORAGE CAPACITY

1. Has the design storage capacity of the reservoir been surpassed?
   YES_____ NO__X__

   Explain: Visual observation.

OTHER OBSERVATIONS

Cleaned last year, small amount of water.

Vivian Mossatti

MSHA CERTIFIED IMPOUNDMENT INSPECTOR

Date: 6-20-2019

QUARTERLY SEDIMENTATION POND INSPECTION REPORT

CDMR Rule 4.05.9(17)

Mine: New Elk RDA Containment SW

NPDES ID. No.: None

Inspection Period: Second Quarter 2019

Inspection Date: 6/19/2019

General Description or Reference to Site Plan:

This partially incised containment basin is a non-discharging facility designed to contain run-off from the area west of the RDA belt conveyor and south of Highway 12.

EMBANKMENT

1. Adequacy of the vegetative cover: Excellent [ ] Moderate [X] Few [ ] Poor [ ]
2. Erosion forming Gullies: Extensive [ ] Some [ ] Few [ ] None [X]
3. Is wave action causing erosion:
   - On the upstream embankment? Yes [ ] No [X]
   - At the principal spillway inlet? Yes [ ] No [X]
4. Erosion of the downstream toe of the embankment? Yes [ ] No [X]

   Cause of erosion can be attributed to: _____
5. Is seepage occurring through the dam? Yes [ ] No [X]

   Could this seepage cause potential instability? No embankment, this is an incised containment basin.

SEDMIMENT STORAGE CAPACITY

1. Has the design storage capacity of the reservoir been surpassed?
   YES [ ] NO [X]

   Explain: Visual observation.

OTHER OBSERVATIONS

Containment Area is empty.

Vince Maccarelli

MSHA CERTIFIED IMPOUNDMENT INSPECTOR

Date: 6-20-2019

QUARTERLY SEDIMENTATION POND INSPECTION REPORT

CDMR Rule 4.05.9(17)

Mine: New Elk RDA Containment SE

NPDES ID. No.: None

Inspection Period: Second Quarter 2019

Inspection Date: 6/19/2019

General Description or Reference to Site Plan:

This partially incised containment basin is a non-discharging facility designed to contain run-off from the area east of the RDA belt conveyor and south of Highway 12.

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 X
   - At the principal spillway inlet? Yes____ No X
4. Erosion of the downstream toe of the embankment? Yes____ No X

   Cause of erosion can be attributed to: ____

5. Is seepage occurring through the dam? Yes____ No X

   Could this seepage cause potential instability? ____

SEDMIMENT STORAGE CAPACITY

1. Has the design storage capacity of the reservoir been surpassed?

   YES____ NO X

   Explain: Visual observation.

OTHER OBSERVATIONS

Containment Area is empty.

[signature]

MSHA CERTIFIED IMPOUNDMENT INSPECTOR

Date: 6-20-2019

QUARTERLY SEDIMENTATION POND INSPECTION REPORT

CDMR Rule 4.05.9(17)

Mine: New Elk RDA Containment North

NPDES ID. No.: None

Inspection Period: Second Quarter 2019

Inspection Date: 6/19/2019

General Description or Reference to Site Plan:

This partially incised containment basin is a non-discharging facility designed to contain run-off from the RDA belt conveyor area north of Highway 12.

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_X_
   - At the principal spillway inlet? Yes____ No_X_
4. Erosion of the downstream toe of the embankment? Yes____ No_X_

   Cause of erosion can be attributed to: ____
5. Is seepage occurring through the dam? Yes____ No_X_

   Could this seepage cause potential instability? No embankment, this is an incised containment basin.

SEDMIMENT STORAGE CAPACITY

1. Has the design storage capacity of the reservoir been surpassed?
   YES____ NO_X_

   Explain: Visual observation.

OTHER OBSERVATIONS

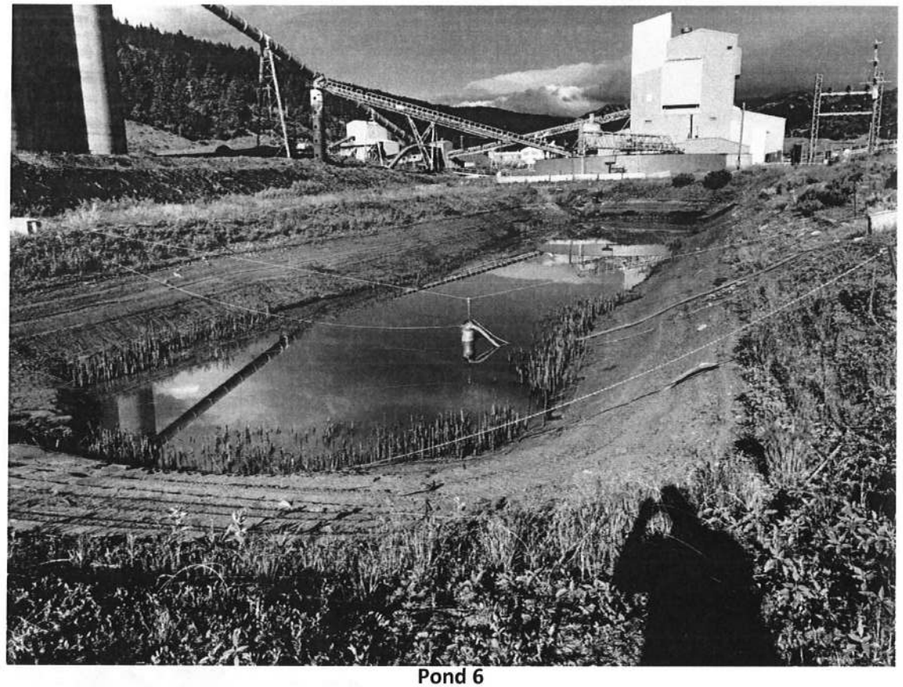
Containment Area is holding water. Sediment can be removed if conditions allow.

Vince Massaro

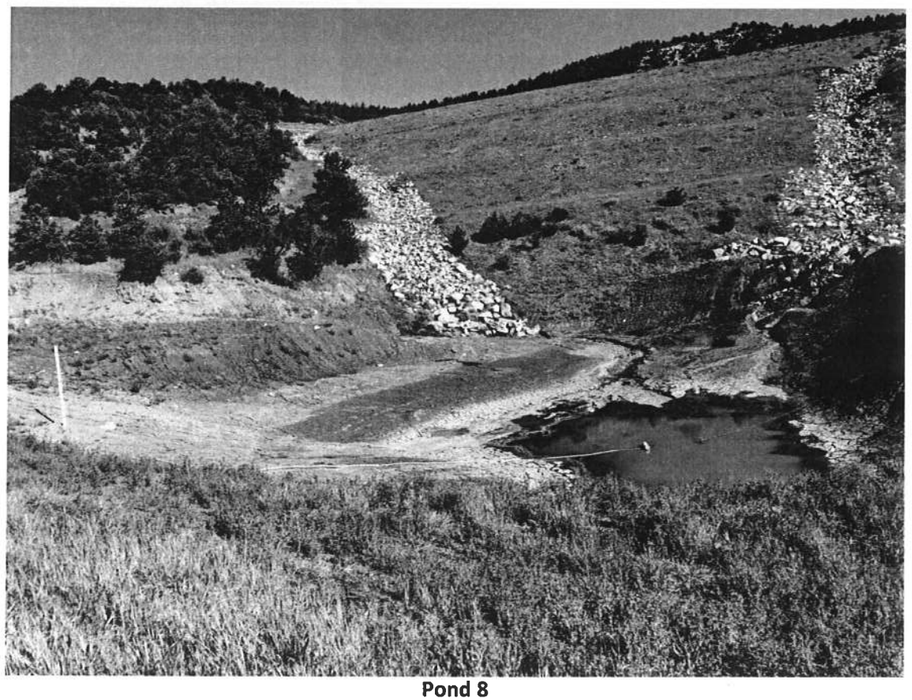
MSHA CERTIFIED IMPOUNDMENT INSPECTOR

Date: 6-20-2019

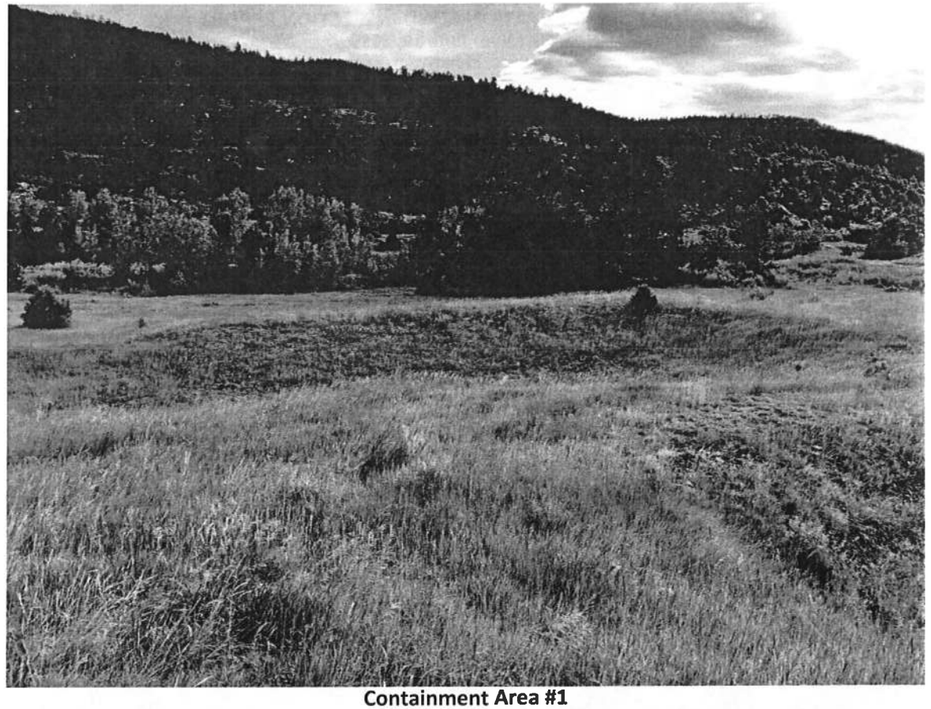
QUARTERLY SEDIMENTATION POND INSPECTION REPORT
New Elk Mine- June 19, 2019



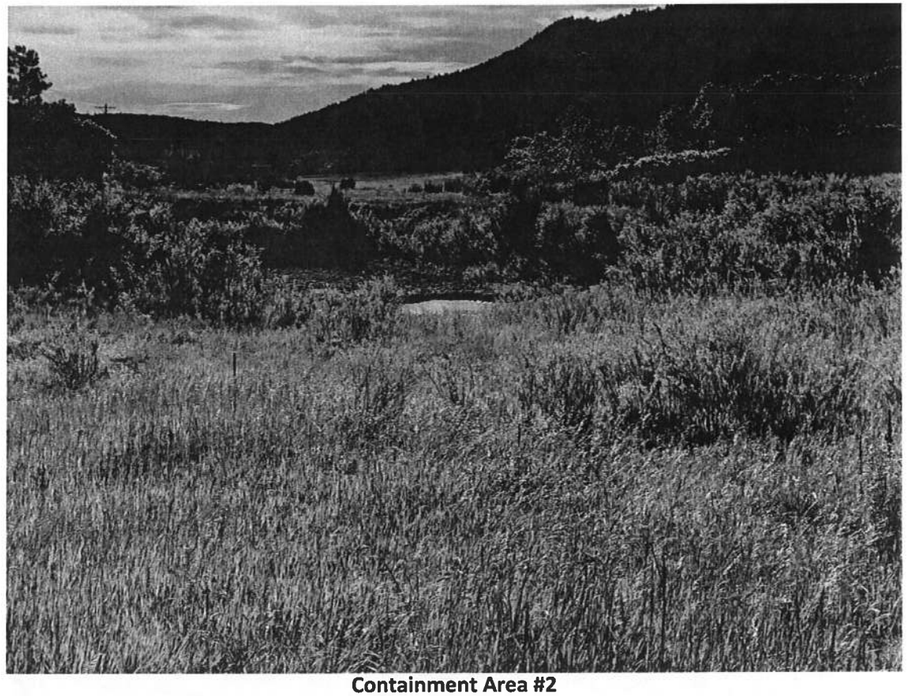
Pond 6



Pond 8



Containment Area #1



Containment Area #2

Containment Area RDA North

Containment Area RDA SW