QUARTERLY SEDIMENTATION POND INSPECTION REPORT

CDMR Rule 4.05.9(17)

Mine: New Elk WP Containment #1

NPDES ID. No.: None

Inspection Period: First Quarter 2024

Inspection Date: 03/26/24

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 was holding water and was Frozen at the time of inspection.

QUARTERLY SEDIMENTATION POND INSPECTION REPORT

CDMR Rule 4.05.9(17)

Mine: New Elk WP Containment #2

NPDES ID. No.: None

Inspection Period: Frist Quarter 2024

Inspection Date: 03/26/24

General Description or Reference to Site Plan:

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

EMBANKMENT

6. Adequacy of the vegetative cover: [Excellent] Moderate Few Poor
7. Erosion forming Gullies: Extensive Some Few [None]
8. Is wave action causing erosion:
   - On the upstream embankment? Yes____ No X
   - At the principal spillway inlet? Yes____ No X
9. Erosion of the downstream toe of the embankment? Yes____ No X

   Cause of erosion can be attributed to: ____
10. Is seepage occurring through the dam? Yes____ No X

    Could this seepage cause potential instability? ____

SEDMIMENT STORAGE CAPACITY

2. Has the design storage capacity of the reservoir been surpassed?
   YES____ NO X

   Explain: Visual observation.

OTHER OBSERVATIONS

Containment was empty at time of inspection.

QUARTERLY SEDIMENTATION POND INSPECTION REPORT

CDMR Rule 4.05.9(17)

Mine: New Elk Containment #3

NPDES ID. No.: None

Inspection Period: First Quarter 2024

Inspection Date: 03/26/24

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

11. Adequacy of the vegetative cover: [Excellent] Moderate Few Poor
12. Erosion forming Gullies: Extensive Some Few [None]
13. Is wave action causing erosion:
    On the upstream embankment? Yes____ No__X__
    At the principal spillway inlet? Yes____ No__X__
14. Erosion of the downstream toe of the embankment? Yes____ No__X__

    Cause of erosion can be attributed to: ____

15. Is seepage occurring through the dam? Yes____ No__X__

    Could this seepage cause potential instability?____

SEDMIMENT STORAGE CAPACITY

3. Has the design storage capacity of the reservoir been surpassed?
   YES____ NO__X__

   Explain: Visual observation.

OTHER OBSERVATIONS

Containment Area was holding water and was frozen at time of inspection.

QUARTERLY SEDIMENTATION POND INSPECTION REPORT

CDMR Rule 4.05.9(17)

Mine: New Elk Containment #4

NPDES ID. No.: None

Inspection Period: First Quarter 2024

Inspection Date: 03/26/24

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

16. Adequacy of the vegetative cover: [Excellent] Moderate Few Poor
17. Erosion forming Gullies: Extensive Some Few [None]
18. Is wave action causing erosion:
    On the upstream embankment? Yes____ No__X__
    At the principal spillway inlet? Yes____ No__X__
19. Erosion of the downstream toe of the embankment? Yes____ No__X__

    Cause of erosion can be attributed to: ____

20. 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

4. Has the design storage capacity of the reservoir been surpassed?
   YES____ NO__X__

   Explain: Visual observation.

OTHER OBSERVATIONS

Containment Area was cover with snow at time of inspection.

QUARTERLY SEDIMENTATION POND INSPECTION REPORT

CDMR Rule 4.05.9(17)

Mine: New Elk Containment #5

NPDES ID. No.: None

Inspection Period: First Quarter 2024

Inspection Date: 03/26/24

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

21. Adequacy of the vegetative cover: [Excellent] Moderate Few Poor
22. Erosion forming Gullies: Extensive Some Few [None]
23. Is wave action causing erosion:
    On the upstream embankment? Yes____ No__X__
    At the principal spillway inlet? Yes____ No__X__
24. Erosion of the downstream toe of the embankment? Yes____ No__X__

    Cause of erosion can be attributed to: ____

25. 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

5. Has the design storage capacity of the reservoir been surpassed?
   YES____ NO__X__

   Explain: Visual observation.

OTHER OBSERVATIONS

Containment Area was holding water and was Frozen over at time of inspection. It was cleaned in 2022 and will need to be cleaned of sediment in the coming months.

QUARTERLY SEDIMENTATION POND INSPECTION REPORT

CDMR Rule 4.05.9(17)

Mine: New Elk

NPDES ID. No.: Pond #1

Inspection Period: Fourth Quarter 2024

Inspection Date: 03/26/24

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

26.	Adequacy of the vegetative cover:	[Excellent]	Moderate	Few	Poor
27.	Erosion forming Gullies:	Extensive	Some	Few	[None]
28.	Is wave action causing erosion:				
	On the upstream embankment?		Yes		No X
	At the principal spillway inlet?		Yes		No X
29.	Erosion of the downstream toe of the embankment?		Yes		No X
	Cause of erosion can be attributed to:				
30.	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

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

Explain: No sediment in pond

OTHER OBSERVATIONS

Pond liner is in good working condition at time of inspection. Pond was holding water and was frozen at time of Inspection. No issues observed.

QUARTERLY SEDIMENTATION POND INSPECTION REPORT

CDMR Rule 4.05.9(17)

Mine: New Elk

NPDES ID. No.: Pond #4

Inspection Period: First Quarter 2024

Inspection Date: 03/26/24

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

31. Adequacy of the vegetative cover: [Excellent] Moderate Few Poor
32. Erosion forming Gullies: Extensive Some Few [None]
33. Is wave action causing erosion:
    - On the upstream embankment? Yes____ No X
    - At the principal spillway inlet? Yes____ No X
34. Erosion of the downstream toe of the embankment? Yes____ No X

    Cause of erosion can be attributed to: _____
35. Is seepage occurring through the dam? Yes____ No X

    Could this seepage cause potential instability? _____

PRINICIPAL SPILLWAY

5. Is the principal spillway system in working order? Yes X No____
6. Is the inlet free of debris and restrictive material? Yes X No____
7. Is the discharge outlet free of restrictive material? Yes X No____
8. Is erosion occurring at the discharge outlet? Yes____ No X

Evaluate the severity: Extensive Moderate Just Starting [None]

NPDES ID. No.: 4

EMERGENCY SPILLWAY

3. Does it appear that the emergency spillway has discharged water since the last inspection?
   YES_____ NO__X__

4. Is erosion occurring at any section of the emergency spillway?
   YES_____ NO__X__

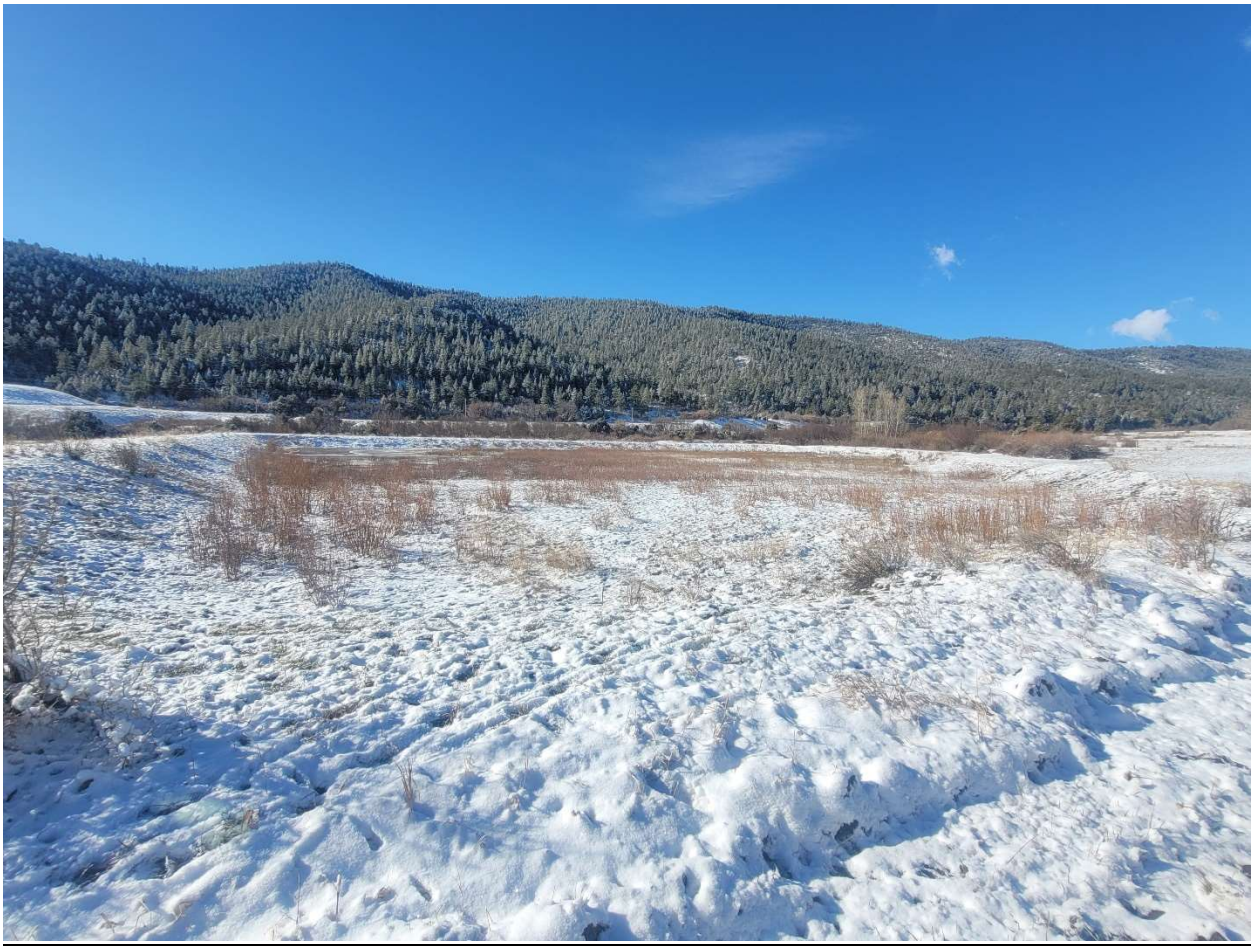
SEDMIMENT STORAGE CAPACITY

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

   Explain: Visual observation.

OTHER OBSERVATIONS

Pond was holding water and was frozen over at the time of inspection, not near the discharge level. No Issues observed. Water has been pumped into the pond recently from pond 7 and pond 6.



QUARTERLY SEDIMENTATION POND INSPECTION REPORT

CDMR Rule 4.05.9(17)

Mine: New Elk Pond 6

NPDES ID. No.: None

Inspection Period: First Quarter 2024

Inspection Date: 03/26/24

General Description or Reference to Site Plan:

Pond 6 is a non-discharging facility designed to contain plant processing water. The plant is operational but is sparingly placing water in the pond.

EMBANKMENT

36. Adequacy of the vegetative cover: Excellent [Moderate] Few Poor
37. Erosion forming Gullies: Extensive Some Few [None]
38. Is wave action causing erosion:
    On the upstream embankment? Yes____ No__X__
    At the principal spillway inlet? Yes____ No__X__
39. Erosion of the downstream toe of the embankment? Yes____ No__X__

    Cause of erosion can be attributed to: ____

40. Is seepage occurring through the dam? Yes____ No__X__

    Could this seepage cause potential instability?____

SEDMIMENT STORAGE CAPACITY

8. Has the design storage capacity of the reservoir been surpassed?
   YES____ NO__X__

   Explain: No design capacity.

OTHER OBSERVATIONS

Pond is holding water at time of inspection; Water has been pumped to pond 4.

QUARTERLY SEDIMENTATION POND INSPECTION REPORT

CDMR Rule 4.05.9(17)

Mine: New Elk

NPDES ID. No.: Pond #7

Inspection Period: First Quarter 2024

Inspection Date: 03/26/24

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

41. Adequacy of the vegetative cover: [Excellent] Moderate Few Poor
42. Erosion forming Gullies: Extensive Some Few [None]
43. Is wave action causing erosion:
    - On the upstream embankment? Yes____ No__X__
    - At the principal spillway inlet? Yes____ No__X__
44. Erosion of the downstream toe of the embankment? Yes____ No__X__

    Cause of erosion can be attributed to: _____

45. Is seepage occurring through the dam? Yes____ No__X__

    Could this seepage cause potential instability? _____

PRINICIPAL SPILLWAY

9. Is the principal spillway system in working order? Yes__X__ No____
10. Is the inlet free of debris and restrictive material? Yes__X__ No____
11. Is the discharge outlet free of restrictive material? Yes__X__ No____
12. Is erosion occurring at the discharge outlet? Yes____ No__X__

Evaluate the severity: Extensive Moderate Just Starting [None]

NPDES ID. No.: 7

EMERGENCY SPILLWAY

5. Does it appear that the emergency spillway has discharged water since the last inspection?
   YES_____ NO__X__
6. Is erosion occurring at any section of the emergency spillway?
   YES_____ NO__X__

SEDMIMENT STORAGE CAPACITY

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

   Explain: Visual observation. Pond cleaned in early 2017.

OTHER OBSERVATIONS

Pond is holding water and frozen at time of inspection. No issues observed.

No discharges have occurred.

QUARTERLY SEDIMENTATION POND INSPECTION REPORT

CDMR Rule 4.05.9(17)

Mine: New Elk

NPDES ID. No.: Pond #8

Inspection Period: First Quarter 2024

Inspection Date: 03/26/24

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

46. Adequacy of the vegetative cover: [Excellent] Moderate Few Poor
47. Erosion forming Gullies: Extensive Some Few [None]
48. Is wave action causing erosion:
    - On the upstream embankment? Yes____ No__X__
    - At the principal spillway inlet? Yes____ No__X__
49. Erosion of the downstream toe of the embankment? Yes____ No__X__

    Cause of erosion can be attributed to: _____

    _____
50. Is seepage occurring through the dam? Yes____ No__X__

    Could this seepage cause potential instability?_____

    _____

PRINICIPAL SPILLWAY

13. Is the principal spillway system in working order? Yes__X__ No____
14. Is the inlet free of debris and restrictive material? Yes__X__ No____
15. Is the discharge outlet free of restrictive material? Yes__X__ No____
16. Is erosion occurring at the discharge outlet? Yes____ No__X__

Evaluate the severity: Extensive Moderate Just Starting None

NPDES ID. No.: 8

EMERGENCY SPILLWAY

7. Does it appear that the emergency spillway has discharged water since the last inspection?
   YES_____ NO__X__
8. Is erosion occurring at any section of the emergency spillway?
   YES_____ NO__X__

SEDMIMENT STORAGE CAPACITY

10. Has the design storage capacity of the reservoir been surpassed?
    YES_____ NO__X__
    Explain: Visual observation. Sediment cleaned out in May 2018

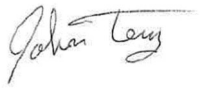
OTHER OBSERVATIONS

Pond is holding water and is frozen over. The water level is now about 1 to 2 feet below the measuring device and has more than the design compacity. No discharges have occurred and No issues were found during the inspection.

CERTIFICATION

This inspection was conducted by John Terry, a qualified professional and MSHA certified inspector of earth and rock-fill embankments, waste banks and impoundments, under the direction of Mr. Steve Miller, 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.



03/26/2024

Inspector Date

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