QUARTERLY SEDIMENTATION POND INSPECTION REPORT

CDMR Rule 4.05.9(17)

Mine: New Elk
NPDES ID. No.: Pond #1
Inspection Period: Second Quarter 2017
Inspection Date: 06/15/17

General Description or Reference to Site Plan:

This Pond lies West of the Industrial Building and serves as a mine water settleing 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 ✓
At the principal spillway inlet? Yes ____ No ✓

4). Erosion of the downstream toe of the embankment? Yes ____ No ✓
Cause of erosion can be attributed to: ____

5). Is seepage occurring through the dam? Yes ____ No ✓
Could this seepage cause potential instability? ____
Pond is lined

PRINCIPAL SPILLWAY

1). Is the principal spillway system in working order? Yes ✓ No ____

2). Is the inlet free of debris and restrictive material? Yes ✓ No ____

3). Is the discharge outlet free of restrictive material? Yes ____ No ✓

4). Is erosion occurring at the discharge outlet? Yes ____ No ✓
Evaluate the severity: Extensive Moderate Just starting None

New Elk Mine
6/15/2017
Pond #

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 ✓
Explain: Water level is managed by monitoring inflow from pumping water from underground or river.

OTHER OBSERVATIONS

No water has been pumped To pond #1 in 2017. Water level is slowly declining due to evaporation.

Ronald G Thompson
MSHA Trained Impoundment Inspector
06/15/2017

QUARTERLY SEDIMENTATION POND INSPECTION REPORT

CDMR Rule 4.05.9(17)

Mine: New Elk
NPDES ID. No.: Pond #4
Inspection Period: Second Quarter 2017
Inspection Date: 06/15/17

General Description or Reference to Site Plan:

This sediment control pond lies west of the Development Waste Pile. The majority of run-off from 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 ✓
At the principal spillway inlet? Yes _____ No ✓

4). Erosion of the downstream toe of the embankment? Yes _____ No ✓
Cause of erosion can be attributed to: _____

5). Is seepage occurring through the dam? Yes _____ No ✓
Could this seepage cause potential instability? _____

PRINCIPAL SPILLWAY

1). Is the principal spillway system in working order? Yes ✓ No _____

2). Is the inlet free of debris and restrictive material? Yes ✓ No _____

3). Is the discharge outlet free of restrictive material? Yes ✓ No _____

4). Is erosion occurring at the discharge outlet? Yes _____ No ✓
Evaluate the severity: Extensive Moderate Just starting None

New Elk Mine
6/15/2017
Pond #

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 ✓
Explain: By observation

OTHER OBSERVATIONS

This pond reportedly has seen minimal inflow since construction. Drainage basin contains Development Waste Pile #1 which has been reclaimed, seeded and is now well vegetated.

Ronald G Hunsaker
MSHA Trained Impoundment Inspector
06/15/2017

QUARTERLY SEDIMENTATION POND INSPECTION REPORT

CDMR Rule 4.05.9(17)

Mine: New Elk
NPDES ID. No.: Pond #7
Inspection Period: Second Quarter 2017
Inspection Date: 06/15/17

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 ✓
At the principal spillway inlet? Yes _____ No ✓

4). Erosion of the downstream toe of the embankment? Yes _____ No ✓
Cause of erosion can be attributed to: _____

5). Is seepage occurring through the dam? Yes _____ No ✓
Could this seepage cause potential instability? _____

PRINCIPAL SPILLWAY

1). Is the principal spillway system in working order? Yes ✓ No _____

2). Is the inlet free of debris and restrictive material? Yes ✓ No _____

3). Is the discharge outlet free of restrictive material? Yes ✓ No _____

4). Is erosion occurring at the discharge outlet? Yes _____ No ✓
Evaluate the severity: Extensive Moderate Just starting None

New Elk Mine
6/15/2017
Pond #

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 ✓

Explain: Pond has only recently filled with water since nearly complete sediment removal in 2016.

OTHER OBSERVATIONS

Primary discharge has been maintained closed with water level controled by pumping water to Pond 6.

Ronald L Thompson
MSHA Trained Impoundment Inspector
06/15/2017

QUARTERLY SEDIMENTATION POND INSPECTION REPORT

CDMR Rule 4.05.9(17)

Mine: New Elk
NPDES ID. No.: Pond #8
Inspection Period: Second Quarter 2017
Inspection Date: 06/15/17

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 from 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 ✓
At the principal spillway inlet? Yes _____ No ✓

4). Erosion of the downstream toe of the embankment? Yes _____ No ✓
Cause of erosion can be attributed to: _____

5). Is seepage occurring through the dam? Yes _____ No ✓
Could this seepage cause potential instability? _____

PRINCIPAL SPILLWAY

1). Is the principal spillway system in working order? Yes ✓ No _____

2). Is the inlet free of debris and restrictive material? Yes ✓ No _____

3). Is the discharge outlet free of restrictive material? Yes ✓ No _____

4). Is erosion occurring at the discharge outlet? Yes _____ No ✓
Evaluate the severity: Extensive Moderate Just starting None

New Elk Mine
6/15/2017
Pond #

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 ✓
Explain: By observation/Pond Sediment cleaned out in 2015.

OTHER OBSERVATIONS

Water level was high but not discharging at time of inspection.

Ronald A Stamper
MSHA Trained Impoundment Inspector
06/15/2017

QUARTERLY SEDIMENTATION POND INSPECTION REPORT

CDMR Rule 4.05.9(17)

Mine: New Elk Pond 6
NPDES ID. No.: None
Inspection Period: Second Quarter 2017
Inspection Date: 06/15/17

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 ✓

4). Erosion of the downstream toe of the embankment? Yes _____ No ✓
Cause of erosion can be attributed to: _____

5). Is seepage occurring through the dam? Yes _____ No ✓
Could this seepage cause potential instability? _____

SEDIMENT STORAGE CAPACITY

1). Has the design storage capacity of the reservoir been surpassed?
Yes _____ No ✓
Explain: _____

OTHER OBSERVATIONS: Not designed as a sediment treatment pond as only inflow is by direct precipitation or controled and monitored pumping of water from sediment ponds 7 & 8.

Ronald G Thompson
MSHA Trained Impoundment Inspector
June 15, 2017

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 2017
Inspection Date: 06/15/17

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

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 ✓

4). Erosion of the downstream toe of the embankment? Yes _____ No ✓
Cause of erosion can be attributed to: _____

5). Is seepage occurring through the dam? Yes _____ No ✓
Could this seepage cause potential instability? _____

SEDIMENT STORAGE CAPACITY

1). Has the design storage capacity of the reservoir been surpassed?
Yes _____ No ✓
Explain: By observation

OTHER OBSERVATIONS:

Containment basin was dry at time of inspection

Ronald L Thompson
MSHA Trained Impoundment Inspector
June 15, 2017

QUARTERLY SEDIMENTATION POND INSPECTION REPORT

CDMR Rule 4.05.9(17)

Mine: New Elk WP Containment #1 East
NPDES ID. No.: None
Inspection Period: Second Quarter 2017
Inspection Date: 06/15/17

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 ✓

4). Erosion of the downstream toe of the embankment? Yes _____ No ✓
Cause of erosion can be attributed to: _____

5). Is seepage occurring through the dam? Yes _____ No ✓
Could this seepage cause potential instability? _____
Partially incised with water level below lowest elevation of the embankment.

SEDIMENT STORAGE CAPACITY

1). Has the design storage capacity of the reservoir been surpassed?
Yes _____ No ✓
Explain: By observation

OTHER OBSERVATIONS: Clear and Sunny @ 1230 ± 68°

MSHA Trained Impoundment Inspector
June 15, 2017

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 2017
Inspection Date: 02/21/17

General Description or Reference to Site Plan:
This 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 ✓

4). Erosion of the downstream toe of the embankment? Yes _____ No ✓
Cause of erosion can be attributed to:
Incised / No embankment

5). Is seepage occurring through the dam? Yes _____ No ✓
Could this seepage cause potential instability?
No embankment

SEDIMENT STORAGE CAPACITY

1). Has the design storage capacity of the reservoir been surpassed?
Yes _____ No ✓
Explain: By observation

OTHER OBSERVATIONS:

Basin was cleaned of sediment in 2016; Pond currently holds significant water but likely little new sediment accumulation.

Ronald G Thorpe
MSHA Trained Impoundment Inspector
June 15, 2017

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 2017
Inspection Date: 06/15/17

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) Few Poor

2). Erosion forming Gullies: Extensive Some (Few) None

3). Is wave action causing erosion:
On the Upstream embankment? Yes _____ No ~

4). Erosion of the downstream toe of the embankment? Yes _____ No ✓
Cause of erosion can be attributed to:
No Embankment

5). Is seepage occurring through the dam? Yes _____ No ✓
Could this seepage cause potential instability?
This is an incized containment basin with no constructed embankment

SEDIMENT STORAGE CAPACITY

1). Has the design storage capacity of the reservoir been surpassed?
Yes _____ No ✓
Explain: By observation

OTHER OBSERVATIONS:

Pond is dry; weather sunny & clear 65°@ 1130HRS

Ronald M Kemp
MSHA Trained Impoundment Inspector
June 15, 2017

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 2017
Inspection Date: 06/15/17

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 ✓

4). Erosion of the downstream toe of the embankment? Yes _____ No ✓
Cause of erosion can be attributed to:
No embankment

5). Is seepage occurring through the dam? Yes _____ No ✓
Could this seepage cause potential instability?
This containment basin is incised with no constructed embankment.

SEDIMENT STORAGE CAPACITY

1). Has the design storage capacity of the reservoir been surpassed?
Yes _____ No ✓
Explain: By observation

OTHER OBSERVATIONS: Sunny and clear 65° @ 11:48
Basin contains minor water accumulations at lowest elevations within the basin

Ronald L Hoops
MSHA Trained Impoundment Inspector
June 15, 2017