

OXBOW MINING, LLC



3737 Hwy 133 P.O. Box 535 Somerset, Colorado 81434 USA Tel (970)929-5122 Fax (970)929-5177

March 29, 2021

Mr. Leigh Simmons
Environmental Protection Specialist
Colorado Division of Reclamation, Mining and Safety
1313 Sherman Street, Room 215
Denver, CO 80203

Re: Oxbow Mining, LLC., CDRMS Permit C-1981-022,
1st Quarter 2021 Pond Inspection Report

Dear Mr. Simmons:

Enclosed are copies of the 1st Quarter 2021 Pond Inspection Report for the Division's records.
Note that the reports indicate no issues or major concerns with these regulated facilities.

Please call me at 970-929-6034 if you have any comments or questions.

Sincerely,

Doug A. Smith
Chief Engineer

Attachments

Xc: Mike Ludlow (OMLLC)
Files



FIRST QUARTER 2021 POND INSPECTION REPORT

Pond Inspection Date: March 18, 2021

| | | | |
|-----------------------------|---------------------------------------|----------------------|---------------------|
| OPERATOR: | Oxbow Mining, LLC. | | |
| MINE: | Elk Creek Mine and Surface Facilities | | |
| POND IDENTIFICATION: | <u>Hubbard</u> | <u>Substation #3</u> | <u>Pond D</u> |
| CDPS NUMBER: | 007 | 013 | 016 |
| TYPE OF POND: | Sediment | Sediment | Sediment |
| APPROXIMATE WATER LEVEL: | 0.0' | 0.1' | Pond Removed |
| SEDIMENT (% total storage): | <5% | <5% | <5% |
| OUTFLOW: | None | None | None |
| FEATURES | PROBLEM | PROBLEM | PROBLEM |
| EROSIONAL | | | |
| Rills & Gullies | No | No | No |
| Inadequate Vegetation | No | No | No |
| Outlet Channel Erosion | No | No | No |
| Burrows | No | No | No |
| Other | No | No | No |
| STRUCTURAL | | | |
| Differential Settling | No | No | No |
| Cracks or Slides | No | No | No |
| Seepage | No | No | No |
| Other | No | No | No |
| APPURTENANT STRUCTURES | | | |
| Defective Spillways | No | No | No |
| Dewatering Devices Clogged | No | No | No |
| Faulty Gates, Etc. | No | No | No |
| Other | No | No | No |
| MAINTENANCE REQUIRED | No | No | No |
| REFERENCE DRAWINGS: | 2.05-M5E | 2.05-M5F | 2.05-M5D 2.05-M6 |

Inspected By: Doug A. Smith
Doug A. Smith



FIRST QUARTER 2021 POND INSPECTION REPORT

Pond Inspection Date: March 18, 2021

OPERATOR: Oxbow Mining, LLC.
MINE: Elk Creek Mine and Surface Facilities

| POND IDENTIFICATION: | <u>Pond A1</u> | <u>Pond B</u> | <u>Pond C</u> | <u>East Yard</u> |
|-----------------------------|----------------|----------------|---------------|------------------|
| CDPS NUMBER | 009 | 012 | 014 | 010 |
| TYPE OF POND: | Sediment | Sediment | Sediment | Sediment |
| APPROXIMATE WATER LEVEL: | 0.0' | 1.5' (6061.5') | 0.0' | 0.0' |
| SEDIMENT (% total storage): | <5% | <5% | <5% | <5% |
| OUTFLOW: | None | None | None | None |

| FEATURES | PROBLEM | PROBLEM | PROBLEM | PROBLEM |
|-------------------------------|----------|----------|----------|----------|
| EROSIONAL | | | | |
| Rills & Gullies | No | No | No | No |
| Inadequate Vegetation | No | No | No | No |
| Outlet Channel Erosion | No | No | No | No |
| Burrows | No | No | No | No |
| Other | No | No | No | No |
| STRUCTURAL | | | | |
| Differential Settling | No | No | No | No |
| Cracks or Slides | No | No | No | No |
| Seepage | No | No | No | No |
| Other | No | No | No | No |
| APPURTENANT STRUCTURES | | | | |
| Defective Spillways | No | No | No | No |
| Dewatering Devices Clogged | No | No | No | No |
| Faulty Gates, Etc. | No | No | No | No |
| Other | No | No | No | No |
| MAINTENANCE REQUIRED | No | No | No | No |
| REFERENCE DRAWINGS: | 2.05-M5A | 2.05-M5B | 2.05-M5C | 2.05-M5E |

Inspected By: _____

Doug A. Smith
Doug A. Smith



FIRST QUARTER 2021 POND INSPECTION REPORT

Pond Inspection Date: March 18, 2021

OPERATOR: Oxbow Mining, LLC.
MINE: Elk Creek Mine and Surface Facilities

| | <u>Pond E</u> | <u>Pond F</u> |
|-----------------------------|----------------------|----------------------|
| POND IDENTIFICATION: | | |
| CDPS NUMBER | 017 | 019 |
| TYPE OF POND: | Sediment | Sediment |
| APPROXIMATE WATER LEVEL: | 0.0' | 0.0' |
| SEDIMENT (% total storage): | <5% | <5% |
| OUTFLOW: | None | None |

| FEATURES | PROBLEM | PROBLEM |
|----------|---------|---------|
|----------|---------|---------|

EROSIONAL

| | | |
|------------------------|----|----|
| Rills & Gullies | No | No |
| Inadequate Vegetation | No | No |
| Outlet Channel Erosion | No | No |
| Burrows | No | No |
| Other | No | No |

STRUCTURAL

| | | |
|-----------------------|----|----|
| Differential Settling | No | No |
| Cracks or Slides | No | No |
| Seepage | No | No |
| Other | No | No |

APPURTENANT STRUCTURES

| | | |
|----------------------------|----|----|
| Defective Spillways | No | No |
| Dewatering Devices Clogged | No | No |
| Faulty Gates, Etc. | No | No |
| Other | No | No |

| | | |
|----------------------|----|----|
| MAINTENANCE REQUIRED | No | No |
|----------------------|----|----|

| | | |
|---------------------|----------|----------|
| REFERENCE DRAWINGS: | 2.05-M5I | 2.05-M5J |
|---------------------|----------|----------|

Inspected By: _____

Doug A. Smith
Doug A. Smith



FIRST QUARTER 2021 POND INSPECTION REPORT Pond Inspection Date: March 18, 2021

Miscellaneous Comments:

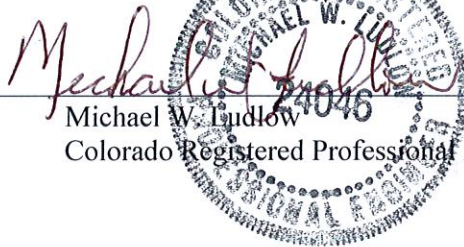
1. The SWMP control devices were inspected and all SWMP control devices were found to be in fair condition. Routine quarterly maintenance to sumps was conducted.
2. Sediment and Water Level Determination – When sediment enters a pond, it is deposited unevenly, usually collecting at the inlets rather than evenly across the bottom of the pond. Reported sediment levels are based upon the inspector's observations made throughout the quarter during routine inspections in combination with knowledge of the pond structure. The reported pond water level is also determined by observations relative to the various landmarks in the pond (depth to bottom, primary riser, etc.)
3. Pond D was necessarily removed due to ongoing reclamation activities per the permit. Best Management Practices have been installed to protect stream flows.

Notwithstanding comments above, ponds have been maintained as designed and in accordance with the approved plan.

Inspected By: _____


Doug A. Smith

Under Direction of: _____



Michael W. Ludlow
Colorado Registered Professional Engineer No. 24046