



COLORADO
Division of Reclamation,
Mining and Safety
Department of Natural Resources

April 8, 2025

Tony Tennyson
Colowyo Coal Company L.P.
5731 State Highway 13
Meeker, CO 81641

Re: Colowyo Coal Mine (Permit No. C-1981-019)
Technical Revision No. 166 (TR-166)
Adequacy Review

Dear Mr. Tennyson,

After reviewing TR-166 from Colowyo Coal Company L.P. (Colowyo), the Division has the following comments:

1. The Division's Vegetation III specialist, Brock Bowles, assisted in the Division's review of the proposed Reclamation Plan revisions under TR-166. Mr. Bowles comments are attached below.
2. The Division has performed a reclamation cost estimate to reclaim areas within the Colowyo site that are impacted by the proposed Reclamation Plan revisions. The updated value of this estimate will be incorporated into the Midterm 9 (MT-9) cost estimate. The Division respectfully requests a response from Colowyo with any questions regarding the cost estimate (attached below) or an acceptance of the Division's estimate.

If you require additional information, or have questions or concerns, please feel free to contact me at 720-868-7757 or hunter.ridley@state.co.us

Sincerely,
Hunter C. Ridley

Environmental Protection Specialist
CC: Zach Trujillo, DRMS





MEMORANDUM

Date: April 7, 2025
To: Hunter Ridley, DRMS
From: Brock Bowles, DRMS
RE: Colowyo Mine (C-1981-019),
TR-166, Reclamation Plan Revision Review

TR-166 is proposing to change its topsoil distribution plan and adjust the wildlife and grazing seed mix.

Between 2010 and 2024, Colowyo implemented a variable topsoil depth replacement plan intended to mimic natural soil conditions that favor the establishment of various plant communities. However, several years of monitoring data indicate that the approach did not produce the desired outcomes. TR166 is proposing to revert to the uniform topsoil replacement plan used prior to 2010. This method aligns with industry standards and complies with Rule 4.06.4(2)(a). The proposed uniform depth of nine inches for both wildlife and grazing land post mining land use areas is considered appropriate. Colowyo has also demonstrated through its ARR that a sufficient amount of topsoil is stockpiled to support the proposed plan.

The current wildlife seed mix was designed to favor sagebrush establishment in conjunction with the variable topsoil depth plan. TR166 is proposing to adjust the seed mix to account for the uniform topsoil distribution by adding some sod forming grass for better erosion control. The species outlined in the seed mix aligns with Rule 4.15.2 as they are aligned with the post mining land use and compatible with the animal species of the area.

No issues were noted and the proposed changes are in compliance with the Rules.



COST SUMMARY WORK

Task description: _____

Site: Colowyo Coal Mine

Permit Action: TR166

Permit/Job#: C1981019

PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 4/2/2025

County: Moffat

Filename: C019-000

User: HR1

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

| Task | Description | Form Used | Fleet Size | Task Hours | Cost |
|--------------------------|--|-----------|------------|------------|------------------|
| 098a | Reseed East Pit with Sagebrush Steppe Seed Mix - Phase 1 Rel | REVEGE | 1 | 4.00 | \$7,121 |
| 098b | Reseed East Pit with Sagebrush Steppe Seed Mix - Phase 2 Rel | REVEGE | 1 | 4.00 | \$116 |
| 100a | Reseed West Pit with Sagebrush Steppe Seed Mix | REVEGE | 1 | 4.00 | \$117,003 |
| 100b | Reseed West Pit with Sagebrush Steppe Seed Mix - Phase 1 Rel | REVEGE | 1 | 4.00 | \$35,324 |
| 100c | Reseed West Pit with Sagebrush Steppe Seed Mix - Phase 2 Rel | REVEGE | 1 | 4.00 | \$139,915 |
| 102 | Reseed South Taylor with Sagebrush Steppe Seed Mix | REVEGE | 1 | 4.00 | \$399,284 |
| 103b | Reseed Facility Area with Sagebrush Steppe Seed Mix | REVEGE | 1 | 4.00 | \$123,793 |
| <u>SUBTOTALS:</u> | | | | 28 | \$822,556 |

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$16,616

Performance bond: 1.05

Total = \$8,637

Job superintendent: 0.00

Total = \$0

Profit: 10.00

Total = \$82,256

TOTAL O & P = \$107,508

CONTRACT AMOUNT (direct + O & P) = \$930,064

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): \$0

Total = \$0

Engineering work and/or contract/bid preparation: 2.00

Total = \$18,601

Reclamation management and/or administration: 1.91

\$17,764

CONTINGENCY: 0.00

Total = \$0

TOTAL INDIRECT COST = \$143,874

TOTAL BOND AMOUNT (direct + indirect) = \$966,430

REVEGETATION WORKTask description: Reseed East Pit with Sagebrush Steppe Seed Mix - Phase 1 RelSite: Colowyo Coal Mine Permit Action: TR166 Permit/Job#: C1981019**PROJECT IDENTIFICATION**

Task #: 098A State: Colorado Abbreviation: None
 Date: 4/8/2025 County: Moffat Filename: 098a
 User: HR1

Agency or organization name: DRMS**FERTILIZING****Materials**

| Description | Units / Acre | Unit | Cost / Unit | Cost /Acre |
|-------------|-----------------|------|---|---------------|
| | | | \$ | \$ |
| | | | Total Fertilizer Materials Cost/Acre | \$0.00 |

Application

| Description | Cost /Acre |
|---|---------------|
| | \$ |
| Total Fertilizer Application Cost/Acre | \$0.00 |

TILLING

| Description | Cost /Acre |
|--|-----------------|
| Disc harrowing, 6" deep (MEANS 32 91 13.23 6100) | \$117.61 |
| Total Tilling Cost/Acre | \$117.61 |

SEEDING

| Seed Mix | Rate – PLS LBS / Acre | Seeds per SQ. FT | Cost /Acre |
|---------------------------------|--------------------------------|------------------------|------------|
| Beardless Wheatgrass - Whitmar | 2.00 | 6.52 | \$27.68 |
| Big Bluegrass - Sherman | 0.20 | 4.13 | \$3.17 |
| Mountain Brome - Bromar | 0.50 | 0.80 | \$3.01 |
| Great Basin Wildrye - Magnar | 0.20 | 0.81 | \$2.34 |
| Rocky Mountain Fescue | 0.20 | 3.21 | \$2.16 |
| Slender Wheatgrass - Native | 1.50 | 5.48 | \$10.60 |
| Milk Vetch, Cicer - Monarch | 0.30 | 1.00 | \$2.87 |
| Thickspike Wheatgrass - Critana | 1.00 | 3.54 | \$8.15 |
| Rabbitbrush, Rubber | 1.00 | 14.90 | \$83.40 |
| Western Wheatgrass - Native | 1.50 | 3.79 | \$13.51 |

| | | | |
|-----------------------------|--------------|---------------|-----------------|
| Needlegrass, Green - Lodorm | 1.00 | 4.16 | \$8.65 |
| Sagebrush, Mountain or Big | 1.00 | 52.80 | \$82.70 |
| Flax, Lewis Blue | 0.20 | 1.33 | \$8.46 |
| Sagebrush, Silver | 0.50 | 9.71 | \$34.06 |
| Saltbush, Four Wing | 2.00 | 2.75 | \$39.75 |
| Penstemon, Palmer | 0.10 | 2.21 | \$7.79 |
| Penstemon, Rocky Mountain | 0.20 | 3.13 | \$12.28 |
| Yarrow, Western | 0.10 | 6.08 | \$4.82 |
| Totals Seed Mix | 13.50 | 126.35 | \$355.39 |

Application

| Description | Cost /Acre |
|---|-----------------|
| Drill Seeding (DRMS Survey Cost) | \$236.64 |
| Total Seed Application Cost/Acre | \$236.64 |

MULCHING and MISCELLANEOUS**Materials**

| Description | Units / Acre | Unit | Cost / Unit | Cost /Acre |
|--|-----------------|------|-------------|---------------|
| | | | \$ | \$ |
| Total Mulch Materials Cost/Acre | | | | \$0.00 |

Application

| Description | Cost /Acre |
|--|---------------|
| | \$ |
| Total Mulch Application Cost/Acre | \$0.00 |

NURSERY STOCK PLANTING

| Common Name | No / Acre | Type and Size | Planting Cost | Fertilizer Pellet Cost | Cost /Acre |
|---|--------------|---------------|------------------|---------------------------|---------------|
| | | | | | \$ |
| Totals Nursery Stock Cost / Acre | | | | | \$0.00 |

JOB TIME AND COST

| | | | |
|----------------------------------|------------|--------------|----------|
| No. of Acres: | 8.6 | Cost /Acre: | \$709.64 |
| Estimated Failure Rate: | 20% | Cost /Acre*: | \$592.03 |
| *Selected Replanting Work Items: | SEEDING | | |
| Initial Job Cost: | \$6,102.90 | | |
| Reseeding Job Cost: | \$1,018.29 | | |
| Total Job Cost: | \$7,121 | | |
| Job Hours: | 4.00 | | |

REVEGETATION WORKTask description: Reseed East Pit with Sagebrush Steppe Seed Mix - Phase 2 RelSite: Colowyo Coal Mine Permit Action: TR166 Permit/Job#: C1981019**PROJECT IDENTIFICATION**

Task #: 098B State: Colorado Abbreviation: None
 Date: 4/8/2025 County: Moffat Filename: C019-098b
 User: HR1

Agency or organization name: DRMS**FERTILIZING****Materials**

| Description | Units / Acre | Unit | Cost / Unit | Cost /Acre |
|-------------|-----------------|------|---|---------------|
| | | | \$ | \$ |
| | | | Total Fertilizer Materials Cost/Acre | \$0.00 |

Application

| Description | Cost /Acre |
|---|---------------|
| | \$ |
| Total Fertilizer Application Cost/Acre | \$0.00 |

TILLING

| Description | Cost /Acre |
|--|-----------------|
| Disc harrowing, 6" deep (MEANS 32 91 13.23 6100) | \$117.61 |
| Total Tilling Cost/Acre | \$117.61 |

SEEDING

| Seed Mix | Rate – PLS LBS / Acre | Seeds per SQ. FT | Cost /Acre |
|---------------------------------|--------------------------------|------------------------|------------|
| Beardless Wheatgrass - Whitmar | 2.00 | 6.52 | \$27.68 |
| Big Bluegrass - Sherman | 0.20 | 4.13 | \$3.17 |
| Mountain Brome - Bromar | 0.50 | 0.80 | \$3.01 |
| Great Basin Wildrye - Magnar | 0.20 | 0.81 | \$2.34 |
| Rocky Mountain Fescue | 0.20 | 3.21 | \$2.16 |
| Slender Wheatgrass - Native | 1.50 | 5.48 | \$10.60 |
| Milk Vetch, Cicer - Monarch | 0.30 | 1.00 | \$2.87 |
| Thickspike Wheatgrass - Critana | 1.00 | 3.54 | \$8.15 |
| Rabbitbrush, Rubber | 1.00 | 14.90 | \$83.40 |
| Western Wheatgrass - Native | 1.50 | 3.79 | \$13.51 |

| | | | |
|-----------------------------|--------------|---------------|-----------------|
| Needlegrass, Green - Lodorm | 1.00 | 4.16 | \$8.65 |
| Sagebrush, Mountain or Big | 1.00 | 52.80 | \$82.70 |
| Flax, Lewis Blue | 0.20 | 1.33 | \$8.46 |
| Sagebrush, Silver | 0.50 | 9.71 | \$34.06 |
| Saltbush, Four Wing | 2.00 | 2.75 | \$39.75 |
| Penstemon, Palmer | 0.10 | 2.21 | \$7.79 |
| Penstemon, Rocky Mountain | 0.20 | 3.13 | \$12.28 |
| Yarrow, Western | 0.10 | 6.08 | \$4.82 |
| Totals Seed Mix | 13.50 | 126.35 | \$355.39 |

Application

| Description | Cost /Acre |
|---|-----------------|
| Drill Seeding (DRMS Survey Cost) | \$236.64 |
| Total Seed Application Cost/Acre | \$236.64 |

MULCHING and MISCELLANEOUS**Materials**

| Description | Units / Acre | Unit | Cost / Unit | Cost /Acre |
|--|-----------------|------|-------------|---------------|
| | | | \$ | \$ |
| Total Mulch Materials Cost/Acre | | | | \$0.00 |

Application

| Description | Cost /Acre |
|--|---------------|
| | \$ |
| Total Mulch Application Cost/Acre | \$0.00 |

NURSERY STOCK PLANTING

| Common Name | No / Acre | Type and Size | Planting Cost | Fertilizer Pellet Cost | Cost /Acre |
|---|--------------|---------------|------------------|---------------------------|---------------|
| | | | | | \$ |
| Totals Nursery Stock Cost / Acre | | | | | \$0.00 |

JOB TIME AND COST

No. of Acres: 0.14 Cost /Acre: \$709.64
 Estimated Failure Rate: 20% Cost /Acre*: \$592.03
 *Selected Replanting Work Items: SEEDING

Initial Job Cost: \$99.35
 Reseeding Job Cost: \$16.58
 Total Job Cost: \$116
 Job Hours: 4.00

REVEGETATION WORKTask description: Reseed West Pit with Sagebrush Steppe Seed MixSite: Colowyo Coal MinePermit Action: TR166Permit/Job#: C1981019**PROJECT IDENTIFICATION**Task #: 100AState: ColoradoAbbreviation: NoneDate: 4/8/2025County: MoffatFilename: 100aUser: HR1Agency or organization name: DRMS**FERTILIZING****Materials**

| Description | Units / Acre | Unit | Cost / Unit | Cost /Acre |
|-------------|-----------------|------|---|---------------|
| | | | \$ | \$ |
| | | | Total Fertilizer Materials Cost/Acre | \$0.00 |

Application

| Description | Cost /Acre |
|---|---------------|
| | \$ |
| Total Fertilizer Application Cost/Acre | \$0.00 |

TILLING

| Description | Cost /Acre |
|--|-----------------|
| Disc harrowing, 6" deep (MEANS 32 91 13.23 6100) | \$117.61 |
| Total Tilling Cost/Acre | \$117.61 |

SEEDING

| Seed Mix | Rate – PLS LBS / Acre | Seeds per SQ. FT | Cost /Acre |
|---------------------------------|--------------------------------|------------------------|------------|
| Beardless Wheatgrass - Whitmar | 2.00 | 6.52 | \$27.68 |
| Big Bluegrass - Sherman | 0.20 | 4.13 | \$3.17 |
| Mountain Brome - Bromar | 0.50 | 0.80 | \$3.01 |
| Great Basin Wildrye - Magnar | 0.20 | 0.81 | \$2.34 |
| Rocky Mountain Fescue | 0.20 | 3.21 | \$2.16 |
| Slender Wheatgrass - Native | 1.50 | 5.48 | \$10.60 |
| Milk Vetch, Cicer - Monarch | 0.30 | 1.00 | \$2.87 |
| Thickspike Wheatgrass - Critana | 1.00 | 3.54 | \$8.15 |
| Rabbitbrush, Rubber | 1.00 | 14.90 | \$83.40 |
| Western Wheatgrass - Native | 1.50 | 3.79 | \$13.51 |

| | | | |
|-----------------------------|--------------|---------------|-----------------|
| Needlegrass, Green - Lodorm | 1.00 | 4.16 | \$8.65 |
| Sagebrush, Mountain or Big | 1.00 | 52.80 | \$82.70 |
| Flax, Lewis Blue | 0.20 | 1.33 | \$8.46 |
| Sagebrush, Silver | 0.50 | 9.71 | \$34.06 |
| Saltbush, Four Wing | 2.00 | 2.75 | \$39.75 |
| Penstemon, Palmer | 0.10 | 2.21 | \$7.79 |
| Penstemon, Rocky Mountain | 0.20 | 3.13 | \$12.28 |
| Yarrow, Western | 0.10 | 6.08 | \$4.82 |
| Totals Seed Mix | 13.50 | 126.35 | \$355.39 |

Application

| Description | Cost /Acre |
|---|-----------------|
| Drill Seeding (DRMS Survey Cost) | \$236.64 |
| Total Seed Application Cost/Acre | \$236.64 |

MULCHING and MISCELLANEOUS**Materials**

| Description | Units / Acre | Unit | Cost / Unit | Cost /Acre |
|--|-----------------|------|-------------|---------------|
| | | | \$ | \$ |
| Total Mulch Materials Cost/Acre | | | | \$0.00 |

Application

| Description | Cost /Acre |
|--|---------------|
| | \$ |
| Total Mulch Application Cost/Acre | \$0.00 |

NURSERY STOCK PLANTING

| Common Name | No / Acre | Type and Size | Planting Cost | Fertilizer Pellet Cost | Cost /Acre |
|---|--------------|---------------|------------------|---------------------------|---------------|
| | | | | | \$ |
| Totals Nursery Stock Cost / Acre | | | | | \$0.00 |

JOB TIME AND COST

| | | | |
|----------------------------------|---------|--------------|----------|
| No. of Acres: | 141.3 | Cost /Acre: | \$709.64 |
| Estimated Failure Rate: | 20% | Cost /Acre*: | \$592.03 |
| *Selected Replanting Work Items: | SEEDING | | |

| | |
|---------------------|--------------|
| Initial Job Cost: | \$100,272.13 |
| Reseeding Job Cost: | \$16,730.77 |
| Total Job Cost: | \$117,003 |
| Job Hours: | 4.00 |

REVEGETATION WORKTask description: Reseed West Pit with Sagebrush Steppe Seed Mix - Phase 1 RelSite: Colowyo Coal Mine Permit Action: TR166 Permit/Job#: C1981019**PROJECT IDENTIFICATION**

Task #: 100B State: Colorado Abbreviation: None
 Date: 4/8/2025 County: Moffat Filename: 100b
 User: HR1

Agency or organization name: DRMS**FERTILIZING****Materials**

| Description | Units / Acre | Unit | Cost / Unit | Cost /Acre |
|-------------|-----------------|------|---|---------------|
| | | | \$ | \$ |
| | | | Total Fertilizer Materials Cost/Acre | \$0.00 |

Application

| Description | Cost /Acre |
|---|---------------|
| | \$ |
| Total Fertilizer Application Cost/Acre | \$0.00 |

TILLING

| Description | Cost /Acre |
|--|-----------------|
| Disc harrowing, 6" deep (MEANS 32 91 13.23 6100) | \$117.61 |
| Total Tilling Cost/Acre | \$117.61 |

SEEDING

| Seed Mix | Rate – PLS LBS / Acre | Seeds per SQ. FT | Cost /Acre |
|---------------------------------|--------------------------------|------------------------|------------|
| Beardless Wheatgrass - Whitmar | 2.00 | 6.52 | \$27.68 |
| Big Bluegrass - Sherman | 0.20 | 4.13 | \$3.17 |
| Mountain Brome - Bromar | 0.50 | 0.80 | \$3.01 |
| Great Basin Wildrye - Magnar | 0.20 | 0.81 | \$2.34 |
| Rocky Mountain Fescue | 0.20 | 3.21 | \$2.16 |
| Slender Wheatgrass - Native | 1.50 | 5.48 | \$10.60 |
| Milk Vetch, Cicer - Monarch | 0.30 | 1.00 | \$2.87 |
| Thickspike Wheatgrass - Critana | 1.00 | 3.54 | \$8.15 |
| Rabbitbrush, Rubber | 1.00 | 14.90 | \$83.40 |
| Western Wheatgrass - Native | 1.50 | 3.79 | \$13.51 |

| | | | |
|-----------------------------|--------------|---------------|-----------------|
| Needlegrass, Green - Lodorm | 1.00 | 4.16 | \$8.65 |
| Sagebrush, Mountain or Big | 1.00 | 52.80 | \$82.70 |
| Flax, Lewis Blue | 0.20 | 1.33 | \$8.46 |
| Sagebrush, Silver | 0.50 | 9.71 | \$34.06 |
| Saltbush, Four Wing | 2.00 | 2.75 | \$39.75 |
| Penstemon, Palmer | 0.10 | 2.21 | \$7.79 |
| Penstemon, Rocky Mountain | 0.20 | 3.13 | \$12.28 |
| Yarrow, Western | 0.10 | 6.08 | \$4.82 |
| Totals Seed Mix | 13.50 | 126.35 | \$355.39 |

Application

| Description | Cost /Acre |
|---|-----------------|
| Drill Seeding (DRMS Survey Cost) | \$236.64 |
| Total Seed Application Cost/Acre | \$236.64 |

MULCHING and MISCELLANEOUS**Materials**

| Description | Units / Acre | Unit | Cost / Unit | Cost /Acre |
|--|-----------------|------|-------------|---------------|
| | | | \$ | \$ |
| Total Mulch Materials Cost/Acre | | | | \$0.00 |

Application

| Description | Cost /Acre |
|--|---------------|
| | \$ |
| Total Mulch Application Cost/Acre | \$0.00 |

NURSERY STOCK PLANTING

| Common Name | No / Acre | Type and Size | Planting Cost | Fertilizer Pellet Cost | Cost /Acre |
|---|--------------|---------------|------------------|---------------------------|---------------|
| | | | | | \$ |
| Totals Nursery Stock Cost / Acre | | | | | \$0.00 |

JOB TIME AND COST

No. of Acres: 42.66 Cost /Acre: \$709.64
 Estimated Failure Rate: 20% Cost /Acre*: \$592.03
 *Selected Replanting Work Items: SEEDING

Initial Job Cost: \$30,273.24
 Reseeding Job Cost: \$5,051.20
 Total Job Cost: \$35,324
 Job Hours: 4.00

REVEGETATION WORKTask description: Reseed West Pit with Sagebrush Steppe Seed Mix - Phase 2 RelSite: Colowyo Coal Mine Permit Action: TR166 Permit/Job#: C1981019**PROJECT IDENTIFICATION**

Task #: 100C State: Colorado Abbreviation: None
 Date: 4/8/2025 County: Moffat Filename: 100c
 User: HR1

Agency or organization name: DRMS**FERTILIZING****Materials**

| Description | Units / Acre | Unit | Cost / Unit | Cost /Acre |
|-------------|-----------------|------|---|---------------|
| | | | \$ | \$ |
| | | | Total Fertilizer Materials Cost/Acre | \$0.00 |

Application

| Description | Cost /Acre |
|---|---------------|
| | \$ |
| Total Fertilizer Application Cost/Acre | \$0.00 |

TILLING

| Description | Cost /Acre |
|--|-----------------|
| Disc harrowing, 6" deep (MEANS 32 91 13.23 6100) | \$117.61 |
| Total Tilling Cost/Acre | \$117.61 |

SEEDING

| Seed Mix | Rate – PLS LBS / Acre | Seeds per SQ. FT | Cost /Acre |
|---------------------------------|--------------------------------|------------------------|------------|
| Beardless Wheatgrass - Whitmar | 2.00 | 6.52 | \$27.68 |
| Big Bluegrass - Sherman | 0.20 | 4.13 | \$3.17 |
| Mountain Brome - Bromar | 0.50 | 0.80 | \$3.01 |
| Great Basin Wildrye - Magnar | 0.20 | 0.81 | \$2.34 |
| Rocky Mountain Fescue | 0.20 | 3.21 | \$2.16 |
| Slender Wheatgrass - Native | 1.50 | 5.48 | \$10.60 |
| Milk Vetch, Cicer - Monarch | 0.30 | 1.00 | \$2.87 |
| Thickspike Wheatgrass - Critana | 1.00 | 3.54 | \$8.15 |
| Rabbitbrush, Rubber | 1.00 | 14.90 | \$83.40 |
| Western Wheatgrass - Native | 1.50 | 3.79 | \$13.51 |

| | | | |
|-----------------------------|--------------|---------------|-----------------|
| Needlegrass, Green - Lodorm | 1.00 | 4.16 | \$8.65 |
| Sagebrush, Mountain or Big | 1.00 | 52.80 | \$82.70 |
| Flax, Lewis Blue | 0.20 | 1.33 | \$8.46 |
| Sagebrush, Silver | 0.50 | 9.71 | \$34.06 |
| Saltbush, Four Wing | 2.00 | 2.75 | \$39.75 |
| Penstemon, Palmer | 0.10 | 2.21 | \$7.79 |
| Penstemon, Rocky Mountain | 0.20 | 3.13 | \$12.28 |
| Yarrow, Western | 0.10 | 6.08 | \$4.82 |
| Totals Seed Mix | 13.50 | 126.35 | \$355.39 |

Application

| Description | Cost /Acre |
|---|-----------------|
| Drill Seeding (DRMS Survey Cost) | \$236.64 |
| Total Seed Application Cost/Acre | \$236.64 |

MULCHING and MISCELLANEOUS**Materials**

| Description | Units / Acre | Unit | Cost / Unit | Cost /Acre |
|--|-----------------|------|-------------|---------------|
| | | | \$ | \$ |
| Total Mulch Materials Cost/Acre | | | | \$0.00 |

Application

| Description | Cost /Acre |
|--|---------------|
| | \$ |
| Total Mulch Application Cost/Acre | \$0.00 |

NURSERY STOCK PLANTING

| Common Name | No / Acre | Type and Size | Planting Cost | Fertilizer Pellet Cost | Cost /Acre |
|---|--------------|---------------|------------------|---------------------------|---------------|
| | | | | | \$ |
| Totals Nursery Stock Cost / Acre | | | | | \$0.00 |

JOB TIME AND COST

No. of Acres: 168.97 Cost /Acre: \$709.64
 Estimated Failure Rate: 20% Cost /Acre*: \$592.03
 *Selected Replanting Work Items: SEEDING

Initial Job Cost: \$119,907.87
 Reseeding Job Cost: \$20,007.06
 Total Job Cost: \$139,915
 Job Hours: 4.00

REVEGETATION WORKTask description: Reseed South Taylor with Sagebrush Steppe Seed MixSite: Colowyo Coal MinePermit Action: TR166Permit/Job#: C1981019**PROJECT IDENTIFICATION**Task #: 102State: ColoradoAbbreviation: NoneDate: 4/8/2025County: MoffatFilename: 102User: HR1Agency or organization name: DRMS**FERTILIZING****Materials**

| Description | Units / Acre | Unit | Cost / Unit | Cost /Acre |
|-------------|-----------------|------|---|---------------|
| | | | \$ | \$ |
| | | | Total Fertilizer Materials Cost/Acre | \$0.00 |

Application

| Description | Cost /Acre |
|---|---------------|
| | \$ |
| Total Fertilizer Application Cost/Acre | \$0.00 |

TILLING

| Description | Cost /Acre |
|--|-----------------|
| Disc harrowing, 6" deep (MEANS 32 91 13.23 6100) | \$117.61 |
| Total Tilling Cost/Acre | \$117.61 |

SEEDING

| Seed Mix | Rate – PLS LBS / Acre | Seeds per SQ. FT | Cost /Acre |
|---------------------------------|--------------------------------|------------------------|------------|
| Beardless Wheatgrass - Whitmar | 2.00 | 6.52 | \$27.68 |
| Big Bluegrass - Sherman | 0.20 | 4.13 | \$3.17 |
| Mountain Brome - Bromar | 0.50 | 0.80 | \$3.01 |
| Great Basin Wildrye - Magnar | 0.20 | 0.81 | \$2.34 |
| Rocky Mountain Fescue | 0.20 | 3.21 | \$2.16 |
| Slender Wheatgrass - Native | 1.50 | 5.48 | \$10.60 |
| Milk Vetch, Cicer - Monarch | 0.30 | 1.00 | \$2.87 |
| Thickspike Wheatgrass - Critana | 1.00 | 3.54 | \$8.15 |
| Rabbitbrush, Rubber | 1.00 | 14.90 | \$83.40 |
| Western Wheatgrass - Native | 1.50 | 3.79 | \$13.51 |

| | | | |
|-----------------------------|--------------|---------------|-----------------|
| Needlegrass, Green - Lodorm | 1.00 | 4.16 | \$8.65 |
| Sagebrush, Mountain or Big | 1.00 | 52.80 | \$82.70 |
| Flax, Lewis Blue | 0.20 | 1.33 | \$8.46 |
| Sagebrush, Silver | 0.50 | 9.71 | \$34.06 |
| Saltbush, Four Wing | 2.00 | 2.75 | \$39.75 |
| Penstemon, Palmer | 0.10 | 2.21 | \$7.79 |
| Penstemon, Rocky Mountain | 0.20 | 3.13 | \$12.28 |
| Yarrow, Western | 0.10 | 6.08 | \$4.82 |
| Totals Seed Mix | 13.50 | 126.35 | \$355.39 |

Application

| Description | Cost /Acre |
|---|-----------------|
| Drill Seeding (DRMS Survey Cost) | \$236.64 |
| Total Seed Application Cost/Acre | \$236.64 |

MULCHING and MISCELLANEOUS**Materials**

| Description | Units / Acre | Unit | Cost / Unit | Cost /Acre |
|--|-----------------|------|-------------|---------------|
| | | | \$ | \$ |
| Total Mulch Materials Cost/Acre | | | | \$0.00 |

Application

| Description | Cost /Acre |
|--|---------------|
| | \$ |
| Total Mulch Application Cost/Acre | \$0.00 |

NURSERY STOCK PLANTING

| Common Name | No / Acre | Type and Size | Planting Cost | Fertilizer Pellet Cost | Cost /Acre |
|---|--------------|---------------|------------------|---------------------------|---------------|
| | | | | | \$ |
| Totals Nursery Stock Cost / Acre | | | | | \$0.00 |

JOB TIME AND COST

| | | | |
|----------------------------------|--------------|--------------|----------|
| No. of Acres: | 482.2 | Cost /Acre: | \$709.64 |
| Estimated Failure Rate: | 20% | Cost /Acre*: | \$592.03 |
| *Selected Replanting Work Items: | SEEDING | | |
| Initial Job Cost: | \$342,188.41 | | |
| Reseeding Job Cost: | \$57,095.37 | | |
| Total Job Cost: | \$399,284 | | |
| Job Hours: | 4.00 | | |

REVEGETATION WORKTask description: Reseed Facility Area with Sagebrush Steppe Seed MixSite: Colowyo Coal MinePermit Action: TR166Permit/Job#: C1981019**PROJECT IDENTIFICATION**Task #: 103BState: ColoradoAbbreviation: NoneDate: 4/8/2025County: MoffatFilename: C019-103bUser: HR1Agency or organization name: DRMS**FERTILIZING****Materials**

| Description | Units / Acre | Unit | Cost / Unit | Cost /Acre |
|-------------|-----------------|------|---|---------------|
| | | | \$ | \$ |
| | | | Total Fertilizer Materials Cost/Acre | \$0.00 |

Application

| Description | Cost /Acre |
|---|---------------|
| | \$ |
| Total Fertilizer Application Cost/Acre | \$0.00 |

TILLING

| Description | Cost /Acre |
|--|-----------------|
| Disc harrowing, 6" deep (MEANS 32 91 13.23 6100) | \$117.61 |
| Total Tilling Cost/Acre | \$117.61 |

SEEDING

| Seed Mix | Rate – PLS LBS / Acre | Seeds per SQ. FT | Cost /Acre |
|---------------------------------|--------------------------------|------------------------|------------|
| Beardless Wheatgrass - Whitmar | 2.00 | 6.52 | \$27.68 |
| Big Bluegrass - Sherman | 0.20 | 4.13 | \$3.17 |
| Mountain Brome - Bromar | 0.50 | 0.80 | \$3.01 |
| Great Basin Wildrye - Magnar | 0.20 | 0.81 | \$2.34 |
| Rocky Mountain Fescue | 0.20 | 3.21 | \$2.16 |
| Slender Wheatgrass - Native | 1.50 | 5.48 | \$10.60 |
| Milk Vetch, Cicer - Monarch | 0.30 | 1.00 | \$2.87 |
| Thickspike Wheatgrass - Critana | 1.00 | 3.54 | \$8.15 |
| Rabbitbrush, Rubber | 1.00 | 14.90 | \$83.40 |
| Western Wheatgrass - Native | 1.50 | 3.79 | \$13.51 |

| | | | |
|-----------------------------|--------------|---------------|-----------------|
| Needlegrass, Green - Lodorm | 1.00 | 4.16 | \$8.65 |
| Sagebrush, Mountain or Big | 1.00 | 52.80 | \$82.70 |
| Flax, Lewis Blue | 0.20 | 1.33 | \$8.46 |
| Sagebrush, Silver | 0.50 | 9.71 | \$34.06 |
| Saltbush, Four Wing | 2.00 | 2.75 | \$39.75 |
| Penstemon, Palmer | 0.10 | 2.21 | \$7.79 |
| Penstemon, Rocky Mountain | 0.20 | 3.13 | \$12.28 |
| Yarrow, Western | 0.10 | 6.08 | \$4.82 |
| Totals Seed Mix | 13.50 | 126.35 | \$355.39 |

Application

| Description | Cost /Acre |
|---|-----------------|
| Drill Seeding (DRMS Survey Cost) | \$236.64 |
| Total Seed Application Cost/Acre | \$236.64 |

MULCHING and MISCELLANEOUS**Materials**

| Description | Units / Acre | Unit | Cost / Unit | Cost /Acre |
|--|-----------------|------|-------------|---------------|
| | | | \$ | \$ |
| Total Mulch Materials Cost/Acre | | | | \$0.00 |

Application

| Description | Cost /Acre |
|--|---------------|
| | \$ |
| Total Mulch Application Cost/Acre | \$0.00 |

NURSERY STOCK PLANTING

| Common Name | No / Acre | Type and Size | Planting Cost | Fertilizer Pellet Cost | Cost /Acre |
|---|--------------|---------------|------------------|---------------------------|---------------|
| | | | | | \$ |
| Totals Nursery Stock Cost / Acre | | | | | \$0.00 |

JOB TIME AND COST

| | | | |
|----------------------------------|---------|--------------|----------|
| No. of Acres: | 149.5 | Cost /Acre: | \$709.64 |
| Estimated Failure Rate: | 20% | Cost /Acre*: | \$592.03 |
| *Selected Replanting Work Items: | SEEDING | | |

| | |
|---------------------|--------------|
| Initial Job Cost: | \$106,091.18 |
| Reseeding Job Cost: | \$17,701.70 |
| Total Job Cost: | \$123,793 |
| Job Hours: | 4.00 |