

Inspection Photos

11/25/2019

Operator: WESTERN OPERATING COMPANY -
95620

Location ID: 312292
Logan County, CO

Aaron Trujillo
NW Reclamation Specialist
COGCC

Inspection Photos

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Photo 1: Photo taken from the west end of the pad (east end of pit). Previous inspections documented a gully forming on the east end of the pit and required Operator to repair and stabilize. Previous inspections also documented that Operator installed wattles on the location, however, BMP was not installed in accordance with good engineering practices. Photo shows wattle remains in improper functioning condition, and erosion degradation has been allowed to continue at the pit.



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Photo 2: Continued from photo 1. Photo shows erosion degradation has been allowed to continue at the pit. Erosion degradation appears to be beginning to cut into and under the location.



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Photo 3: See comments under photo 2.



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Photo 4: Photo taken from the south end of the production area, facing southwest. Previous inspections documented that wattle BMPs have not been installed in accordance with good engineering practices, and that no stabilization BMPs have been installed per CAs. Photo shows BMPs remain insufficient and erosion degradation has been allowed to continued.



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Photo 5: See comments under photo 4.



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Photo 6: See comments under photo 4.



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Photo 7: Photo taken from the interim areas on the south end of the pit, facing south. Previous inspections required stabilization control BMPs to stabilize the seeded soils to mitigate further erosion degradation. Photo shows stormwater erosion degradation has been allowed to continue; Operator has failed to install required BMP.



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Photo 8: Photo taken from the south end of the pit. Photo shows straw wattles around pit. Previous inspections documented that wattle BMPs were not installed in accordance with good engineering practices. Photo shows wattles remain improperly installed. Many wattles have been “blown out” and are now debris.



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Photo 9: Photo taken from the southeast end of the pit, facing west. Photo shows areas where previous seeding activities were conducted. Photo shows vegetation has failed to establish in these areas. Impacted soils likely remain.

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Photo 10: Photo taken from the southwest corner of the pit, facing east. See comments under photo 9.



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Photo 11: Photo taken from the southwest end of the pit, facing west. Photo shows wattle BMPs have not been maintained and are now debris. Photo also shows areas where reclamation has failed, and erosion degradation has been allowed to continue.



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Photo 12: Photo taken from the southwest end of the pit, facing northwest. See comments under photo 11.



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Photo 13: Photo shows wattle in disrepair. This is considered debris.



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Photo 14: Photo taken from the west of the pit, facing east. Photo shows wattles have not been maintained, and stormwater erosion degradation has been allowed to continue.

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Photo 15: Photo taken from the west of the pit, facing west. Photo shows erosion degradation and wattle debris.



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Photo 16: See comments under photo 15.



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Photo 17: Photo taken from the west of the pit, facing east. See comments under photo 15.

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Photo 18: Photo taken from the west of the pit, facing west. Photo shows sediment deposition. Stormwater runoff from the location has continued to expand the off-location disturbance area.



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Photo 19: Photo taken from the west end of the pit, facing east. Photo shows erosion degradation from the pit. Photo also shows wattles were not installed in accordance with good engineering practices, resulting in failure of the BMP.



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Photo 20: Photo taken from the west end of the location , facing east. See comments under photo 19.



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Photo 21: Photo taken from the southeastern area of the pad. Photo shows erosion degradation on access road.



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Photo 22: Photo taken from the access road north of the location, facing south. Photo shows erosion degradation on the access road. 6 foot measuring stick for reference.



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Photo 23: Photo taken from the access road north of the location, facing south. Photo shows erosion degradation on the access road. 6 foot measuring stick for reference.