

Inspection Photos

5/07/2019

Operator: VERDAD RESOURCES LLC # 10651

Location ID: 456563

Inspection Doc. Number: 696200027

Weld County, CO

Aaron Trujillo
NE Reclamation Specialist
COGCC

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Photo 1: Photo taken from the west end of the location, facing north. Photos 1-4 provide and overview of the location from north, northeast, southeast to south.

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Photo 2: See comments under photo 1.



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Photo 3: See comments under photo 1.



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Photo 4: See comments under photo 1.



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Photo 5: Photo taken from the wet end of the location, facing south. Photo shows stormwater ditch along perimeter of location. BMP appears to have been constructed with a blade leaving a vertical grade of unconsolidated material. Ditch has not been constructed in accordance with good engineering practices.



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Photo 6: Photo taken from the southwest end o the location, facing north. Photo shows outlet armoring at the stormwater ditch.



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Photo 7: Photo of soil stockpile on the south end of the location.



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Photo 8: Photo taken from the southeast corner of the location. Photo of sediment trap. Operator has installed one (1) sediment trap on the southeast end of the location. Sediment trap does not appear to be sufficient in size to manage stormwater runoff from the 8.26 acre pad. Additionally, sediment has been constructed with vertical slopes rather than a grade, that will likely promote erosion degradation within the BMP. Sediment trap does not appear to have been constructed in accordance with good engineering practices



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Photo 9: See comments under photo 8.



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Photo 10: Photo taken from the southeast corner of the location, facing north. Photo shows stormwater ditch along perimeter of location. BMP appears to have been constructed with a blade leaving a vertical grade of unconsolidated material. Ditch has not been constructed in accordance with good engineering practices.



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Photo 11: Photo taken from the southeast corner of the location, facing southwest. Photo shows stormwater ditch along perimeter of location. See comments under photo 10

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Photo 12: Photo taken from the east end of the location, facing southwest. Photo of stormwater ditch on west end of the location



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Photo 13: Photo of stormwater ditch on west end of the location. See comments under photo 10.



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Photo 14: Photo taken from the northeast end of the location, facing north. Photo shows areas where operator installed a berm along perimeter of the location. Berms have not been consolidated in accordance with good engineering practices. Berms remain loose material and a potential pollutant source.



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Photo 15: Photo of berm on the northeast end of the location. See comments under photo 14.



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Photo 16: Photo taken from the west end of the location. Photo shows area where the ditch abruptly ends without sufficient outlet protection to allow for sediment laden free stormwater discharge; ditch has not been constructed in accordance with good engineering practices.



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Photo 17: Photo taken from the northeast corner of the location. Photo shows outlet that appears to be sufficiently armored to allow for sediment laden free stormwater discharge from the northeast end of the location.

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Photo 18: Photo taken from the northeast corner of the location, facing west. Photo shows ditch and berm along perimeter. Ditch to have been constructed with a blade leaving a vertical grade of unconsolidated material. Ditch has not been constructed in accordance with good engineering practices.



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Photo 19: Photo taken from the north end of the pad. Photo shows porta-john appear to be sufficiently secured.

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Photo 20: Photo of the 5 drilled wells.