

Inspection Photos

12/07/2021

Operator: TEP ROCKY MOUNTAIN LLC #96850

Location ID: 452011

Garfield County, CO

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NW Reclamation Specialist

COGCC

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Photo 1: Photo of tanks with missing labelling information; tank of photo left missing capacity information. Labelling information on tanks in photo right not easily visible; unclear if tanks have required label information.



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Photo 2: Photos taken from the southeast end of the Location, facing north. Photos show grey discolored/impacted soils observed on the fill slopes, and flat areas where the pit previously existed. Unclear what the observed materials are.



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Photo 3: Photos taken from the southeast end of the Location. Photos show grey discolored/impacted soils observed on the fill slopes, and flat areas where the pit previously existed. Photo right shows a pile of grey material (possibly drilling mud) observed on the perimeter of the pad above the slopes in photo 2. Unclear what the observed materials are.

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Photo 4: Photos examples showing impacted/stained materials observed around the wells.

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Photo 5: Photos examples of undesirable (noxious) plant species observed remaining on the topsoil stockpiles and Location. Examples of noxious weeds observed on the Location include Canada thistle, Plumeless thistle, Bull thistle, Houndsetongue, Common Mullein, etc... Weed debris, including seed material attached to the remaining plants, have not been removed.



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Photo 6: Photos examples showing control measures to protect and stabilize the fill slopes of the Location remain missing or insufficient; degradation has persisted.

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Photo 7: Photos examples showing control measures to protect and stabilize the fill slopes of the Location remain missing or insufficient; degradation has persisted.



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Photo 8: Photos examples showing control measures to protect and stabilize the cut slopes of the Location remain missing or insufficient; degradation has persisted.

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Photo 9: Photo left example showing control measures to protect and stabilize the cut slopes of the Location remain missing or insufficient; degradation has persisted. Photo also show erosion from the topsoil stockpile above the cut slope (photo left), has resulted in topsoil sediment transport and mixing with subsoil on the cut slopes. Photo right example showing control measures to stabilize and protect the topsoil stockpiles remain missing or insufficient.

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Photo 10: Photos examples showing control measures to protect and stabilize the topsoil stockpiles on the Location remain missing or insufficient.

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Photo 11: Photos examples showing control measures to protect and stabilize the topsoil stockpiles on the Location remain missing or insufficient.



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Photo 12: Photos taken from the east end of the Location. Photos examples showing perimeter stormwater control measures to manage runoff per good engineering practices remain missing or insufficient. Operator has placed rock material within eroded areas in lieu of installing properly engineered stormwater controls to manage runoff into the sediment trap; rock material inadequate to properly manage runoff or prevent further degradation.

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Photo 13: Photos taken from the east end of the Location. Photos examples showing perimeter stormwater control measures to manage runoff per good engineering practices remain missing or insufficient. Photo shows stormwater runoff has resulted in a small gully; Operator has constructed a sediment trap at the end of the gully erosion. Stormwater controls to manage runoff have not been constructed in accordance with good engineering practices. Note; rock material observed in photos was not placed into erosion channel like the rock material in photo 12; rocks likely existed prior to the gully, with erosion occurring beneath the rocks during stormwater events.

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Photo 14: Photo taken from the east end of the Location. Photo shows control measures to mitigate sediment transport at the stockpiled soils is inadequate.

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Photo 15: Photos show control measures to stabilize the production areas, and mitigate tracking and sediment transport are missing or insufficient.



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Photo 16: Photos show control measures to stabilize the production areas, and mitigate tracking and sediment transport are missing or insufficient.

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Photo 17: Photos taken from the sediment trap at the Location entrance (west end of the Location). Trap has not been installed in accordance with good engineering practices; control missing appropriate inlet/outlet protection in accordance with good engineering practices; geotextile lining not observed; erosion degradation under/around rip-rap material evident.