

Caerus H2 Landfarm Spoils Documentation

H2-797 well pad (COGCC Location ID # 439917)

Tract 66, Section 2, T7S, R97W, 6th PM (Lat = 39.475669, Long = -108.180217)

Garfield County, Colorado

Caerus plans to allow for volatilization and stabilization of the hydrocarbon impacted spoils by landfarm spreading and treatment. To address the minimization of soil permeability within the landfarm area, Caerus will inspect the site for cracks or other surface imperfections as part of landfarm preparation activities. If landfarm surface imperfections are identified, Caerus will rework the pad surface in the location of the landfarm. No addition of water is planned for the landfarm activities and the soil shall be thick enough to prevent stormwater penetration. During initial pad construction and spill excavation associated with this Form 27, competent sandstone bedrock was identified approximately four feet below active working surface of the well pad.

Landfarm Spoils Application

The spoils pile will be spread onsite to ensure sufficient surface area for aeration. To achieve remediation, the spoils pile will be tilled or rotated at least monthly depending on site conditions.

Based on the light end hydrocarbon concentrations found in the spoils pile to date, Caerus estimates this project will take six months and should be completed by July 2018. Once samples confirm impacts are no longer present in the spoils pile, Caerus will stage the soil into the cut slope for use during interim reclamation.

As outlined in the Initial Form 27 (COGCC document number 401479264), Caerus will continue to assess and sample available water sources within the immediate area of the well pad through the second quarter of 2018. Caerus plans to extend these assessment and sampling activities through the third quarter of 2018 to demonstrate no impacts to groundwater were encountered during landfarm activities. After third quarter water sampling is complete and the water analysis indicates no impacts to groundwater or surface water, Caerus will submit a Form 27 to close the remediation project.