



Mesa E1-797

Waste Management Plan

DRILLING FLUIDS DISPOSAL

Closed loop system will be used to separate solids from liquid. Dry cuttings will be stockpiled on location or transported off-site to an approved facility.

CUTTINGS DISPOSAL

1. On-site remediation & beneficial re-use
2. Garfield County Landfill in Rifle, Colorado
3. ECDC, East Carbon, Utah

Solids control equipment consisting of shale shakers, centrifuges, and flocculating unit will be utilized to separate drill cutting solids from liquid (water). Approximately plus or minus 15,000 cubic yards of cuttings are anticipated. Cuttings will be stockpiled on location for beneficial reuse. The cuttings will be reused for filling in the cut slopes and pad reclamation. Any excess cuttings will be transported to commercial facilities at the Garfield County Landfill near Rifle, Colorado, and/or ECDC Environmental, East Carbon, Utah.

PRODUCED WATER INJECTION WELL

Produced water from Caerus wells:

Water will be gathered via pipeline or trucked from out of reach locations to the Mesa SWD Injection Facility. From there water volumes and pressures will be monitored as it is pumped downhole into the approved injection zone in the proposed Puckett SWD E1-797. The well is under review as a Class II UIC, meaning that only produced water will be injected; no solids or cuttings will be disposed of via the injection well. Filter pots and chemical treatment will be used on the produced water to improve reservoir performance longevity.