

ABSAROKA ENERGY AND ENVIRONMENTAL SOLUTIONS, LLC.

112 High Street
Buffalo, WY 82834

www.absarokasolutions.com

O: (855) 684.5891
C: (307) 299.5950

Our ref:
D90.CO.0506.25



Form 27 Supplemental Report: Refuge to Mallard Production Line Remediation Project 22450

Soil sampling was conducted at the Refuge to Mallard Production Line (**Attachments A & B**) on May 5th, 2022 as outlined in the site investigation plan submitted to the COGCC via Form 27 (doc# 402977770) on 3/16/2022. The Refuge to Mallard Production Line originates at the Refuge 0780 S16 pad and terminates at the Pintail 0780 S16 location.

Site investigation actions identified five (5) COGCC Table 915-1 Residential Soil Screening Level (RSSL) exceedances. Analysis D90_RP_SS_01 identified an electrical conductivity (EC) concentration of 7.23 mmhos/cm, sodium adsorption ratio (SAR) of 21.5, and arsenic concentration of 0.761 mg/kg. Analysis of D90_RP_SS_02 identified an SAR of 18.8 and an arsenic concentration of 0.922 mg/kg. Both soil samples were collected 54" below ground surface (BGS).

Background samples were collected as part of the site investigation. Analysis of D90_RP_SS_BG_01 identified an EC of 4.16 mmhos/cm, SAR of 32.0, and an arsenic concentration of 2.27 mg/kg. Analysis of D90_RP_SS_BG_02 identified an EC of 5.70 mmhos/cm, SAR of 19.6, and an arsenic concentration of 0.92 mg/kg. Both background soil samples were collected 54" BGS.

D90 is requesting closure of this remediation project. Results of background sampling indicate the location's native soils contain EC, SAR, and arsenic concentrations above Table 915-1 RSSLs. These inorganic exceedances are identified below the root depth of Jackson County's native vegetation.

This flowline is to be abandoned in place (approved in Form 44 doc# 402852184). Reclamation activities at the Refuge 0780 S16 pad are described in the Form 27 associated with decommissioning of the Refuge 0780 S16 pad (doc# 403054366). The Pintail 0780 S16 location shall remain active.