



## Noble Energy, Inc. Waste Management Plans Summary

The following describes Noble Energy Inc.'s (Noble) general plan for proper handling and disposal of Exploration and Production (E&P) waste, including produced water, drill mud and cuttings and tank bottoms.

- E&P waste will be onsite stored in compatible containers, e.g. frac tanks, three sided tanks, bermed areas, etc. Containers will be inspected on a regular basis to ensure they are in good condition and free of severe rust, bulging and/or structural defects.
- E&P wastes will be transported offsite by a licensed transporter via truck. Truck transport frequency will vary from site to site based on waste volumes.
- E&P petroleum contaminated soils will be disposed of at COGCC approved landfarms, or licensed third party disposal facilities (landfills). Tank bottoms will be disposed of at E&P licensed third party disposal facilities (landfills). Liquid wastes, including flowback and produced water will be disposed of at licensed third party injection facilities.
  - Noble Landfarms
    - Centralized Land Treatment Facility – NE/4 Sec. 32, T3N R65W
    - Patina Landfarm – NE/4 NW/4 NW/4 Sec. 18, T4N R64W
  - Third Party Disposal Facilities
    - Waste Management
      - Buffalo Ridge Landfill
      - North Weld County Landfill
      - Denver Regional Landfill
    - Allied Waste
      - Tower Landfill
  - Third Party Injection Facilities
    - Conquest Injection Facilities
- E&P drilling wastes, including bentonitic drilling fluids and associated drill cuttings will be re-used by land spreading on COGCC approved mudfarms per COGCC Rule 907.d.(3). No other E&P waste will be deposited at these locations.
  - Noble Mudfarms
    - Steve Wells I – Sec 21, T6N R63W
    - Steve Wells II – E/2 NW/4 Sec. 20, T6N R63W
    - Steve Wells III – W/2 NW/4 Sec. 20, T6N R63W
    - Ryan Harding North – NW/4 SW/4 Sec. 29, T5N R64W
    - Ryan Harding South – NE/4 SW/4 Sec. 29, T5N R64W
    - John Moser I – SW/4 Sec. 22, T3N R65W
    - John Moser II – W/2 NE/4 and SE/4 Sec. 21, T3N R65W
    - John Moser III – NE/4 Sec. 28, T3N R65W
    - Grover/Koenig – Sec. 10, T10N R65W
    - Jerry Miller I – SW/4 Sec. 11, T5N R64W