

Waste Disposal Services

NORM and TENORM Waste Management Fact Sheet



NORM and TENORM Waste Management

Clean Harbors provides disposal for Naturally Occurring Radioactive Material (NORM) and Technologically Enhanced Naturally Occurring Radioactive Material (TENORM) wastes at our Deer Trail, Colorado and Buttonwillow, California facilities.

Deer Trail and Buttonwillow are fully permitted Subtitle C landfills authorized to accept NORM and TENORM wastes containing radionuclides (in the decay series of U-238, U-235 and Th-232) up to 2000 pCi/gram for Deer Trail and up to 1800 pCi/gram for Buttonwillow.

Typical sources of NORM and TENORM wastes include

- Oil and gas industry
- Geothermal energy production
- Coal combustion
- Mining of uranium and metals
- Phosphate production
- Municipal water treatment
- Abandoned mines and processing facilities
- General manufacturing

Deer Trail, Colorado Facility

The Rocky Mountain Low Level Radioactive Waste Compact has designated the Deer Trail facility as the low level waste facility for Colorado, New Mexico, and Nevada. The facility is located 75 miles east of Denver, Colorado, and can store, treat and dispose of wastes in bulk and containerized quantities. Deer Trail receives waste by truck and also by rail from a trans-loading point located in Sterling, Colorado.

The Deer Trail facility is also authorized to treat, store, and dispose of a wide variety of hazardous and industrial wastes including RCRA, TSCA (megarule), and debris for encapsulation.

Buttonwillow, California Facility

Located in central California, the Buttonwillow facility is also fully permitted to manage a large number of RCRA hazardous wastes, California hazardous waste, and non-hazardous waste for stabilization treatment, solidification, and landfill. It can handle waste in bulk (solids and liquids) and in containers.

This facility operates a permitted drum handling and storage area, which can store and/or transfer up to 1,500 drums. Permitted landfill capacity is in excess of 10 million cubic yards.

