

NORM and TENORM Waste Management Services

Fact Sheet

Clean Harbors provides disposal for Naturally Occurring Radioactive Material (NORM) and Technologically Enhanced Naturally Occurring Radioactive Material (TENORM) waste 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 waste 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 waste 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 Board designated the Deer Trail facility as the low-level waste facility for Colorado, New Mexico and Nevada. Located 75 miles east of Denver, the facility stores, treats and disposes of waste received in bulk and containers. Deer Trail receives waste directly by truck and by rail utilizing a transloading 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.



What We Offer

- Environmentally sound disposal of NORM and TENORM waste
- Safe and secure, fully-permitted facilities
- Maximum liability protection
- Ability to receive bulk and drums



Buttonwillow, California, Facility

Located in central California, the Buttonwillow facility is also fully permitted to manage RCRA hazardous waste, California hazardous waste and non-hazardous waste for stabilization treatment, solidification and landfill. It receives solid, sludge and liquid waste in bulk and containers.

The Buttonwillow facility operates a drum handling and storage area that can store and/or transfer up to 1,500 drums. The facility's permitted landfill capacity is in excess of 10 million cubic yards.