



Buffalo Ridge Landfill

Buffalo Ridge Landfill is a regional facility that provides safe and convenient disposal services for communities, businesses and industries serving Weld County and surrounding areas. This facility is engineered with environmental protection systems that meet or exceed rigorous government regulations and are subject to highly regulated monitoring and reporting requirements. Systems include engineered liners and covers, leachate collection and removal, and landfill gas collection and control.

Containment Design

Buffalo Ridge Landfill previously utilized a single-layer, three-foot clay liner system designed to protect soil and groundwater. In 2024, the landfill transitioned to a composite liner system consisting of a geosynthetic clay liner overlain by a 60-mil high-density polyethylene (HDPE) liner. This system continues to ensure that waste and leachate are effectively contained and isolated from the surrounding soil and groundwater.

Leachate Collection & Treatment

Leachate is managed onsite and used as operational dust control on the lined portion of the landfill.

Groundwater Monitoring

Groundwater is monitored at 11 wells, which are upgradient and downgradient of the waste disposal footprint. The groundwater monitoring network is sampled and analyzed semi-annually in accordance with the procedures of the facility's groundwater sampling and analysis plan.

Security

Site security is ensured by controlled, limited access to the facility through the gatehouse as well as perimeter fencing and natural barriers. During non-business hours the gate is locked and the facility is monitored by 24-hour electronic surveillance.

BUFFALO RIDGE LANDFILL

11655 Weld County Road 59
Keenesburg, CO 80643
800 963 4776

HOURS OF OPERATION

Monday – Friday: 7:00am – 5:00pm
Saturday: 7:00am – 2:30pm
Closed Sundays and Major Holidays

ASBESTOS DISPOSAL HOURS

Monday – Friday: 7:00am – 3:30pm

YEAR OPENED

2002

PROJECTED LIFE REMAINING

100+ years

FACILITY ACREAGE

1,600 acres

PERMITTED FOOTPRINT

688 acres

REMAINING PERMITTED CAPACITY

73 million cubic yards

TONS PROCESSED ANNUALLY

670,000 tons

OWNERSHIP

Waste Management of Colorado, Inc.

PERMIT TYPE & PERMIT

Certificate of Designation issued by Weld County
Various Environmental Permits

REGULATORY AGENCIES

Primary agencies are Weld County Departments of Public Health and Environment (WCDPHE) and Department of Planning Services
Colorado Department of Public Health and Environment (CDPHE).

EMPLOYEES

12



THINK GREEN.®

Acceptable Material

Asbestos – Friable/Non-Friable	Industrial & Special Wastes*
Auto Shredder Residue	Municipal Solid Waste (MSW)
CERCLA Wastes (nonhazardous)	Yard Waste
Construction & Demolition (C&D) Debris	Off-Spec Products
Exploration & Production (E&P) Waste	

* e.g. any discarded material that, due to its physical or chemical characteristics, requires more stringent handling, documentation or other management than normal Municipal Solid Waste (MSW).

Unacceptable Material

Bulk Liquids	Radioactive Wastes (EXCEPTION: certain NORM wastes)
Electronic Wastes	
Hazardous Waste	Universal Wastes
Lead Acid Batteries	Untreated Medical Wastes
PCBs equal to or > 50 ppm or otherwise prohibited under TSCA from Subtitle D landfill disposal	Used Oil
Potentially Infectious Wastes	Waste Tires

Recycling Convenience Center

Consumer Recyclables	White Goods (no freon)
Metal	

Approval Process

Waste Management has a defined waste screening protocol for each of its non-hazardous waste facilities, which protects employees and the environment. For industrial and special waste streams, the generator or agent must complete a waste profile for review by our technical staff. Waste profiles can be completed online at WMSolutions.com.

Risk Mitigation

Waste Management provides the highest level of services, backed with state-of-the-art site design and management systems, to minimize risks and reduce liabilities.

Community Partnerships and Involvement

Buffalo Ridge Landfill is proud to be an active supporter of local events and programs that make its surrounding communities a strong and healthy place to live, work and play.

In addition, Buffalo Ridge Landfill received Wildlife at Work recertification from the Wildlife Habitat Council for the third term in a row. The Certification is among Waste Management's 95 active programs, preserving approximately 25,000 acres.



CONTACT

Technical Support
TSC Western
800 963 4776
TSCWestern@wm.com

COMMUNITY RELATIONS

Direct inquiries to
FourCornersCommunity@wm.com

COMMUNITIES SERVED

Weld County and surrounding areas