San Juan County Landfill

San Juan County Regional Landfill is a regional facility that provides safe and convenient disposal services for communities, businesses and industries serving the Four Corners Area. This facility is engineered with environmental protection systems that meet or exceed rigorous Federal and State government regulations and are subject to highly regulated monitoring and reporting requirements. Systems include engineered liners and covers, leachate collection and removal, and environmental monitoring. The Four Corners Regional EcoCenter is co-located with San Juan County Regional Landfill. The EcoCenter provides single stream and source separated recycling services in the Four Corners area.

Containment Design

San Juan County Regional Landfill utilizes a five-layer composite liner system that includes a geosynthetic clay liner (GCL), a 60-mil textured high-density polyethylene (HDPE) membrane with a two-foot protective soil cover to ensure that waste and wastewater (leachate) are contained and isolated from soil and groundwater.

Leachate Collection & Treatment

The leachate collection system at San Juan County Regional Landfill currently includes six collection sumps that collect leachate for pumping. The leachate is beneficially used as a dust control measure over lined areas of the landfill.

Groundwater Monitoring

Groundwater is monitored at four vadose wells, two upgradient and two downgradient of the waste disposal footprint. The groundwater monitoring network is sampled and analyzed annually in accordance with the procedures of the facility's groundwater sampling and analysis plan. A Groundwater Report is submitted to New Mexico Environment Department on an annual basis.

Security

Site security is ensured by controlled, limited access to the facility through the gatehouse as well as perimeter fencing. During business hours, all traffic is directed to a gatehouse occupied by trained personnel. During non-business hours the gate is locked and monitored by 24-hour electronic surveillance.
Acceptable Material

Ash
Auto Shredder Fluff
Case-by-case bulk liquids for dust control**
CERCLA Wastes (nonhazardous)
Construction & Demolition (C&D) Debris
Exploration & Production (E&P) Wastes
Industrial Waste
Municipal Solid Waste (MSW)

* Petroleum contaminated soil that meets NMED Special Waste criteria must be bioremediated prior to landfilling.
** Certain bulk liquids may be acceptable for use as dust control on lined footprint of landfill. NMED concurrence required in each instance.
*** 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

Asbestos – Friable/Non-Friable
Bulk Liquids
CESQG [hazardous] Wastes
Hazardous Waste
Incompatible Wastes (e.g. incompatible to be composted with MSW)
Infectious Waste

PCB equal to or >50 ppm or otherwise prohibited under TSCA from Subtitle D landfill disposal
Radioactive Wastes (EXCEPTION: certain NORM wastes)
Universal Wastes, including mercury containing lamps

Recycling Convenience Center

Acceptable materials include metals, white goods and glass (used as alternate daily cover for landfill). Paper, cardboard, plastics #1-7, aluminum and cans are accepted at the Four Corners Regional EcoCenter.

Bioremediation

Petroleum Contaminated Soil that exceeds NMED Special Waste trigger limits must be bioremediated at the facility land farm.

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 all NM Special Waste streams, as well as for 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), the generator or agent must complete a waste profile for review by our technical staff. Waste profiles can be completed online at WMSolutions.com. San Juan County Landfill requires a 24-hour prior approval for special waste loads.

Risk Mitigation

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

Community Partnerships and Involvement

Waste Management is proud to be an active supporter of community events and programs that make the Four Corners Area and surrounding cities a strong and healthy place to live, work and play.