Denver Arapahoe Disposal Site (DADS)

DADS is a regional subtitle D facility that provides safe and convenient disposal services for communities, businesses and industries serving Denver Metro 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

DADS disposal cells have been designed with a single, compacted clay liner system overlain by a six-inch layer of sand to aid with drainage. This containment design ensures that waste and wastewater (leachate) are contained and isolated from soil and groundwater. DADS has also dedicated a 26-acre monofill, which is used exclusively for friable and non-friable asbestos.

Leachate Collection & Treatment

The leachate collection system at DADS currently includes nine monitored collection sumps and removal pumps. Leachate is managed onsite through recirculation or used for operational dust control.

Groundwater Monitoring

Groundwater is currently monitored at 15 wells, which are both upgradient and downgradient of the waste disposal footprint. The groundwater is sampled and analyzed semi-annually in accordance with the facility's groundwater sampling and analysis plan.

Gas-to-Energy

DADS maintains 211 landfill gas collection wells and supports a 2.8 MW gas-to-energy plant. The power produced at DADS is sold to Xcel Energy and exported to their grid.

Security

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

- Asbestos – Friable/Non-Friable
- Auto Shredder Residue
- Biosolids
- CERCLA Waste (non hazardous)
- Construction & Demolition (C&D) Debris

* 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
- CESQG Waste
- Electronic Waste
- Lead Acid Batteries
- Liquid Materials
- PCBs equal to or > 50 ppm or otherwise prohibited under TSCA from Subtitle D landfill disposal

- Radioactive Waste
- (EXCEPTION: certain NORM Wastes)
- Regulated Hazardous Waste
- Used Oil
- Universal Waste
- Untreated Medical Waste

Recycling Convenience Center

- Electronic Waste
- Food Waste (Compost)
- Scrap Metal
- Single Stream
- White Goods
- Whole Tires
- Wood

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

DADS is proud to be an active supporter of community events and programs that make Denver Metro and its surrounding cities a strong and healthy place to live, work and play.