



Northwest Regional Landfill

Northwest Regional Landfill is a regional facility that provides safe and convenient disposal services for communities, businesses and industries serving Phoenix and the cities of Northern Arizona. 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

Northwest Regional Landfill uses a single composite liner system which includes a geosynthetic clay liner (GCL), a 60-mil textured high-density polyethylene (HDPE) liner, and leachate drainage layer with a two-foot protective soil layer to ensure that waste and wastewater (leachate) are contained and isolated from soil and groundwater.

Leachate Collection & Treatment

The leachate collection system at Northwest Regional Landfill currently includes eight separate monitored collection sumps with automatic evacuation pumps, with more to be installed as landfilling activities continue. Leachate disposal is by evaporation and is also used as operational dust control on the lined portion of the landfill.

Groundwater Monitoring

Groundwater is monitored at five wells, both 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.

Landfill Gas Management

Northwest Regional Landfill manages landfill gas through a system which collects the gas through wells installed in the waste mass. The enclosed flare helps to reduce emissions and prevent odors. This site also maintains a Landfill Gas-to-Energy (LFGTE) plant that uses the landfill gas to generate up to 3.2 megawatts of electricity, which is sent to the Arizona Public Service power grid.

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 monitored by electronic surveillance.

NORTHWEST REGIONAL LANDFILL

19401 West Deer Valley Road
Surprise, AZ 85387
800 963 4776

HOURS OF OPERATION

Monday – Friday: 6:00am – 4:00pm
Saturday: 6:00am – 1:00pm
Closed Sunday and Major Holidays

YEAR OPENED

1987

PROJECTED LIFE REMAINING

100+ years

FACILITY ACREAGE

1,200 acres

PERMITTED FOOTPRINT

792 acres

REMAINING PERMITTED CAPACITY

142 million cubic yards

TONS PROCESSED ANNUALLY

850,000 tons

OWNERSHIP

Waste Management Arizona
Landfills, Inc.

PERMIT TYPE & PERMIT

ADEQ MFPA #07039500.20
AZPDES Multi Sector General Permit
Authorization #AZMSG-84362
Title V Air Permit #V97-016

REGULATORY AGENCIES

Arizona Department of
Environmental Quality
Arizona Department of
Water Resources (ASWR)
City of Surprise
Maricopa County Air Quality Division

EMPLOYEES

20



THINK GREEN.®

Acceptable Material

Asbestos – Non-Friable
Ash
Auto Shredder Fluff
Construction & Demolition (C&D) Debris
Drum Management – Liquids/Solids
Liquid Wastes for Solidification
Exploration & Production Wastes (E&P)

Municipal Solid Waste (MSW)
Off-Spec Products
Paint Wastes
Petroleum Contaminated Soil
Process Waste
Special Waste
Yard Waste
CERCLA Wastes (nonhazardous)

* 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
Biohazardous Medical Waste
Burning Materials for direct landfill without extinguishing
CESQG [Hazardous] Wastes
CFC (Freon) Containing Items
Explosives
Hazardous Waste

Incompatible wastes (e.g. incompatible to be comingled with MSW)
NORM/TeNORM with radionuclides >5 pCi/g
PCB waste except as allowed under 40 CFR 761.61 (PCB Remediation Waste), 40 CFR 761.62 (PCB Bulk Product Waste) and 40 CFR 761.63 (PCB Household waste)
Universal Waste
Used Oil (as defined in 40 CFR 279)
Waste Tires
Any other waste prohibited from disposal at any municipal solid waste landfill by federal, state, or local statute or regulation



CONTACT

Technical Support
TSC Phoenix
800 963 4776
TSCPhoenix@wm.com
TSC Denver
800 963 4776
TSCDenver@wm.com

COMMUNITY RELATIONS

Direct inquiries to
FourCornersCommunity@wm.com

COMMUNITIES SERVED

Maricopa County and surrounding cities

Recycling Services

Adjacent to Northwest Regional Landfill is The Arizona Community EcoCenter Material Recovery Facility (ACE-MRF). This 65,000 square-foot facility is capable of processing 350 tons of residential and commercial recyclable materials per day accepting various forms of paper, cardboard, plastics (#1-7), aluminum, metals and glass. Waste Management employees, along with over 38 state-of-the-art sorting machines, help separate the various materials, which are baled and sent out to be recycled into new products.

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

Waste Management is proud to be an active supporter of community events and programs that make Maricopa County a strong and healthy place to live, work and play.

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.