Marana Regional Landfill

Marana Regional Landfill is a regional facility that provides safe and convenient disposal services for communities, businesses and industries serving the Town of Marana, the Tucson metro area, and surrounding cities. This facility employs the latest advances in landfill technology, 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 control.

**Containment Design**

Marana Regional Landfill utilizes a multi-layered 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 cover to ensure that waste and wastewater (leachate) are contained and isolated from soil and groundwater.

**Leachate Collection & Treatment**

The leachate collection system at Marana Regional Landfill currently includes one monitored collection sump with evacuation pump with more to be installed as landfilling activities continue. Leachate is managed by using as an operational dust control on the lined portion of the landfill.

**Groundwater Monitoring**

Groundwater is currently monitored at four 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.

**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 front-gate is locked and monitored by 24-hour electronic surveillance.

**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. While waste profiles are not typically required for materials received at the Marana Regional Landfill, they can be completed online at WMSolutions.com.
Acceptable Material

- Asbestos – Friable/Non-Friable
- Ash
- Auto Shredder Fluff
- Biosolids
- Bottom Ash
- CERCLA Wastes (nonhazardous)
- Construction & Demolition (C&D) Debris
- Exploration & Production (E&P) Wastes
- Industrial Waste
- Inert Materials (concrete, sand, rock)
- Municipal Solid Waste (MSW)
- Off-Spec Products
- Paint Wastes
- Process Waste
- Special Waste
- Wastewater Sludge
- Yard Waste

Unacceptable Material

- Appliances that may vent or otherwise release into the atmosphere any Class I or Class II refrigerant including chlorofluorocarbons (CFCs) and hydrochlorofluorocarbons (HCFCs) as defined in Section 608 of the Clean Air Act and 40 CFR Part 82.154
- Biohazardous Medical Waste
- Bulk or non-containerized liquid waste as defined in 40 CFR 258.28(c)(1) including containers with more than 2% of the original liquid volume or free liquids as defined in EPA Method 9095 (paint filter test)
- Burning materials for direct landfill without extinguishing
- CESQG [hazardous] wastes
- Explosive Materials
- Hazardous Waste
- Incompatible wastes (e.g. incompatible to be comingled with MSW)
- Lead Acid Batteries
- NORM/TeNORM with radionuclides >5 pCi/g
- Out of state or foreign wastes
- Tires, whole or quartered
- Universal Wastes
- Used Oil (as defined in 40 CFR 279)
- Any other waste prohibited from disposal at any municipal solid waste landfill by federal, state, or local statute or regulation

Recycling Convenience Center

Marana Regional Landfill provides a public drop-off location for single-stream recycling at no charge. Acceptable materials are limited to plastics (#1-7), paper/cardboard and aluminum products.

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 Pima County and its surrounding areas a strong and healthy place to live, work, and play. A portion of revenue generated goes directly to the Marana Unified School District.

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