

COASTAL PLAINS RDF

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21000 East Hwy 6
Alvin, TX 77511
*Located between Alvin and Santa Fe
on Hwy 6.*

CONTACT INFORMATION

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Houston, TX 77055
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HOURS OF OPERATION

Contact 800-WMDisposal
or visit www.WMDisposal.com

Your Non-Hazardous and Special Waste Disposal Solution

Waste Management's approximately 300 disposal facilities employ the latest advances in landfill technology. From carefully selecting new landfill locations to installing state-of-the-art liners to expertly capping landfills that have been filled to capacity, Waste Management makes every effort to ensure its sites' operational integrity as well as the safety of surrounding ecosystems. As stewards of the environment, Waste Management sees that all its landfills are designed, constructed, operated and maintained to meet or exceed all local, state and federal regulations.

Coastal Plains RDF

Serving Alvin and surrounding areas, Coastal Plains RDF provides local businesses and industries with professional disposal services that are safe, convenient and meet the highest standards for environmental compliance.

Containment Design

Landfill cells are constructed using a composite liner system, which provides a positive barrier for groundwater protection. The liner system consists of a 60-mil High Density Polyethylene (HDPE) liner in direct contact with a three-foot thick layer of compacted soil with a minimum hydraulic conductivity of 1×10^{-7} cm/sec. Additionally, a bentonite slurry wall around the disposal cell perimeter is keyed into an underlying impermeable clay layer as an additional protective barrier for groundwater.



Leachate Collection & Treatment

The LCRS (Leachate Collection and Removal System) is composed of a high permeability drainage layer, a network of perforated collection pipes and leachate collection sumps equipped with extraction pumps and clean-out pipes used in conjunction with the composite liner system. The leachate is conveyed from the collection sumps via pumps and hoses directly into storage tanks. The LCRS is designed to maintain a leachate depth averaging less than 12 inches.

Groundwater Monitoring

The groundwater monitoring system provides an early detection of potential releases from the facility. The system consists of 21 perimeter groundwater monitoring wells (4 up-gradient and 17 down-gradient). The groundwater monitoring network is sampled and analyzed semi-annually in accordance with the procedures of the facility's Groundwater Sampling and Analysis Plan.

Gas Management

Coastal Plain's methane monitoring, collection and management system feeds directly to a flare followed by a co-generation facility that produces electricity. This methane gas collection system consists of over 150 gas wells linked together by PVC piping connected to a large industrial blower that pulls the gas into the flare and co-generation facility. Nineteen perimeter probes, which are monitored quarterly, help to detect any methane gas leaving the facility.

Security

Site security is ensured by controlled, limited access to the facility as well as perimeter fencing and electronic surveillance. The facility can only be accessed via a single gate, which directs all traffic to a gatehouse occupied during business hours by trained personnel. During non-business hours the gate is locked and monitored by electronic surveillance.

COASTAL PLAINS RDF

About the Site

Year Opened: 1985
Communities served by this location: Alvin, Galveston County and southern Harris County
Size: 660 Acres
Capacity: 11.5 million tons
Total Life Expectancy: 40 Years
Number of Tons Disposed Annually: 630,000
Ownership: Waste Management of Texas
Permit Information: MSW Permit # 1721A

Accepted Wastes and Services

The following waste types are accepted at the Coastal Plains RDF:

- Asbestos - Friable
- Asbestos - Non-Friable
- Auto Shredder Fluff
- Biosolids
- CERCLA Waste
- Construction and Demolition (C&D) Debris
- Drum Management - Solids
- E & P Waste
- Industrial and Special Waste
- Municipal Solid Waste (MSW)
- Yard Waste

Unacceptable Waste

Coastal Plains RDF does not accept the following wastes:

- Hazardous Waste
- Radioactive Waste
- 761 Regulated PCBs
- Untreated Red Bag Medical Waste

Additional Services Provided

- Roll-Off Services
- Dump trucks or long-haul trailers provided upon request



Additional Site Information

Industrial Waste Disposal - Waste Management provides the highest level of industrial and special waste services backed with a written indemnification that protects customers from fines, lawsuits, sanctions or other legal/regulatory actions.

Waste Receipt Standard - Waste Management has a defined waste screening protocol for each of its Subtitle D non-hazardous waste facilities. This waste screening procedure is used to protect both our employees and the environment. For all industrial and special waste streams, the generator or agent must complete a Generator's Non-Hazardous Waste Profile (available online at www.WMDisposal.com) for review by our technical staff. Oftentimes, the profile must be accompanied by analyses, MSDS, or other pertinent information. Manifests or Waste Shipment Records must generally accompany the waste shipment.

Awards

Coastal Plains RDF is proud to have received the following awards and citations:

- Mayors Proud Partner Award for Greening up Bayou City in December, 2007
- Woman of Achievement, 2006
- Family Time Crisis Center, 2007
- City of Houston Humanitarian Award
-Lisa Doughty, Community Relations Manager

Community Partnerships and Involvement

Coastal Plains RDF is proud to be an active supporter of the following events, charities, schools and service groups:

- Audubon Texas
- Don't Mess With Texas
- Earth Day
- Education Foundation Grant Program
- Harris County HHW Event
- Houston Zoo Cans for Critters campaign
- Keep Houston Beautiful
- Numerous local schools
- Santa Fe Independent School District

*From everyday collection to environmental protection,
Think Green®. Think Waste Management.*

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