



**RIVERBEND LANDFILL,
RECYCLING CENTER AND
GREEN ENERGY PLANT**

13469 SW Hwy 18
McMinnville, OR 97128
www.riverbend.wm.com

HOURS OF OPERATION

6:00am – 4:30 pm, Monday – Friday
7:00am – 3:00 pm, Saturday
Closed Sunday

Riverbend Landfill, Recycling Center and Green Energy Plant

Riverbend is a regional facility that provides professional and safe disposal and convenient recycling services for Yamhill County and neighboring communities. Riverbend is also a platform for green technology, with a Green Energy Plant that uses landfill gas to generate enough renewable energy to power 2,500 local homes.

Riverbend is a modern, Subtitle D landfill that accepts primarily municipal solid waste (household waste), industrial waste, and construction and demolition debris; we do not accept hazardous waste. The landfill is engineered with overlapping environmental protection systems that meet or exceed rigorous state and federal regulations and are subject to highly regulated monitoring and reporting requirements. In addition, Riverbend uses sophisticated monitoring protocols to verify that our environmental protection systems are operating properly. Monitoring data gathered by company and independent professionals is submitted to the Oregon Department of Environmental Quality and the US Environmental Protection Agency.

Containment Design

Riverbend's double liner, geo-membrane system protects soil and groundwater by containing and isolating waste and landfill wastewater.

Landfill Gas Management

Riverbend collects and manages landfill gas to generate renewable energy, reduce emissions, and prevent odor. The system collects landfill gas through vertical and horizontal pipes within the landfill. It collects approximately 3,000 cubic feet per minute of landfill gas.

Leachate Collection & Treatment

Riverbend manages landfill wastewater (leachate) to ensure it does not impact groundwater. Leachate is collected by three separate sumps equipped with level monitors to operate pumps and maintain appropriate liquid levels. To manage leachate after collection, we use natural evaporation and off-site management at a wastewater treatment plant.

Groundwater Monitoring

Groundwater is monitored to ensure that our environmental protection systems are functioning properly and not impacting groundwater at or near the facility. Groundwater quality is monitored in 28 wells. Groundwater levels are monitored in an additional 26 wells to understand groundwater flow conditions.

YEAR OPENED

1982

TOTAL ACREAGE

705 acres

LANDFILL FOOTPRINT

85 acres, per DEQ permit

TONS PROCESSED ANNUALLY

510,000 tons

OWNERSHIP

Waste Management

PERMIT TYPE & PERMIT #

DEQ Solid Waste Permit #345
DEQ Title V Air Permit #36-0011-TV-C

NUMBER OF EMPLOYEES

20

Riverbend Recycling Center

Riverbend partners with Yamhill County to divert waste from the landfill and save energy by recycling used materials. To increase local recycling and confirm our role as a champion for waste reduction and recycling, we will open our new recycling center in late 2014. With an attendant to answer questions, a convenient design, paved surfaces and new signage, this outdoor drop-off area will be a user-friendly place for Yamhill County citizens to bring their recyclables - including used bikes and bike parts for our bike recycling program.

Riverbend Green Energy Plant

Riverbend uses everyday waste to generate electricity as part of an agreement with McMinnville Water and Light. Landfill gas fuels six engines that generate approximately 4.5 MW of electricity. The new plant is a first for Yamhill County and another demonstration of Waste Management's commitment to renewable energy and innovative technologies that extract value from waste.

Acceptable Material (Riverbend Landfill)

Auto Shredder Residue	Industrial & Special Wastes (as allowed by permit)
Biosolids	Municipal Solid Waste (MSW)
CERCLA Wastes	Yard Waste
Construction & Demolition (C&D) Debris	

Unacceptable Material (Riverbend Landfill)

Asbestos - Friable/Non-Friable	Medical Waste (Untreated)
Explosives	NORM
Hazardous Wastes	Waste Containing Free Liquids

Approval Process

Waste Management has a waste screening protocol for each of our landfills - to ensure that we accept only those materials that we are permitted to accept. For industrial and special wastes, protocol requires the waste generator to show acceptability. Materials that are not allowed under Riverbend's permit are rejected.

Environmental Leadership and Awards

Riverbend is the proud recipient of prestigious honors including "Business of the Year" from the McMinnville Chamber of Commerce, "Excellence in Engineering" from the American Academy of Environmental Engineers, and certification from the Wildlife Habitat Council.

Certification from the Wildlife Habitat Council recognizes our successful biodiversity initiatives and community education efforts. To enhance biodiversity, we manage a nesting program for bluebirds, wood ducks, osprey, bats and Mason bees. To educate the community about biodiversity as well as the science and engineering involved in professional landfill management, Riverbend regularly hosts tours for students, community groups, and international delegations of naturalists and scientists.

Community Partnerships

Riverbend is proud to be an active supporter of community and school programs that make Yamhill County a strong and healthy place to live, work and play.

At this time, our most significant community partnership involves making 450 acres of our property available for community projects. A committee of community leaders is leading the county-wide conversation and recommending projects to Waste Management. Some projects will be low cost and easy to organize; others will take more time as community groups plan and secure long-term funding.

The map at the right shows the property available (the WM Stewardship Lands) in green.



CONTACT

Technical Support
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COMMUNITY RELATIONS

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COMMUNITIES SERVED

Yamhill County and neighboring communities. For a complete list, go to www.riverbend.wm.com

