

Proposed Closure Permit for Riverbend Landfill

Welcome

We'll be starting shortly.

June 22, 2022

Using Zoom



Hear the audio through your computer or by calling the conference call line.



Dial: 877-853-5257 or 888-475-4499

Enter meeting ID: 865 1813 7706

Enter passcode 651889

From DEQ

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- Brian Fuller, Western Region solid waste manager
- Bob Schwarz, environmental engineer
- Jim McCourt, environmental engineer
- Seth Sadofsky, hydrogeologist
- Dylan Darling, public affairs specialist
- Lauren Wirtis, public affairs specialist

Agenda

- Presentation
 - Bob Schwarz, environmental engineer
 - Jim McCourt, environmental engineer
- Informal question and answer
- Break – Five minutes
- Public hearing – Formal public comment

Please remember

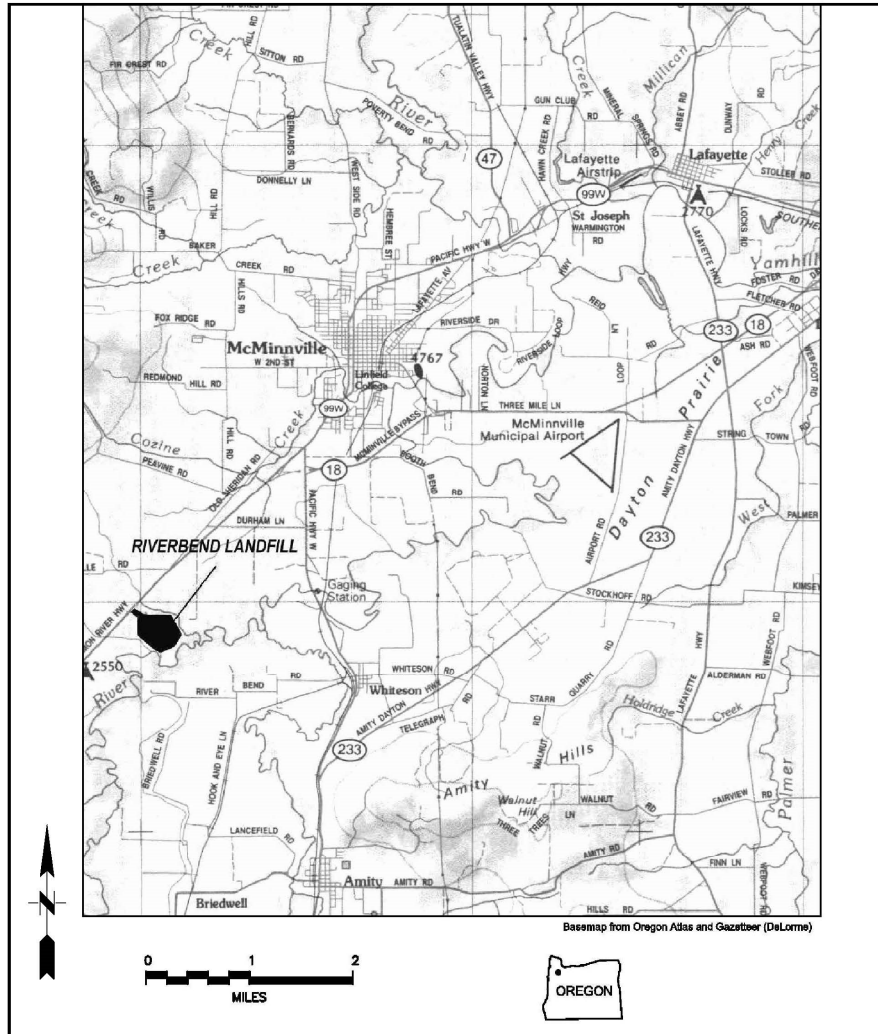
- Be respectful of each other.
- Please remain on mute unless you're asking a question or providing comment.
- Limit background noise.
- Raise your virtual hand to speak.
- Let others speak without interrupting.

Proposed Closure Permit for Riverbend Landfill

Oregon Department of Environmental Quality
Materials Management Program

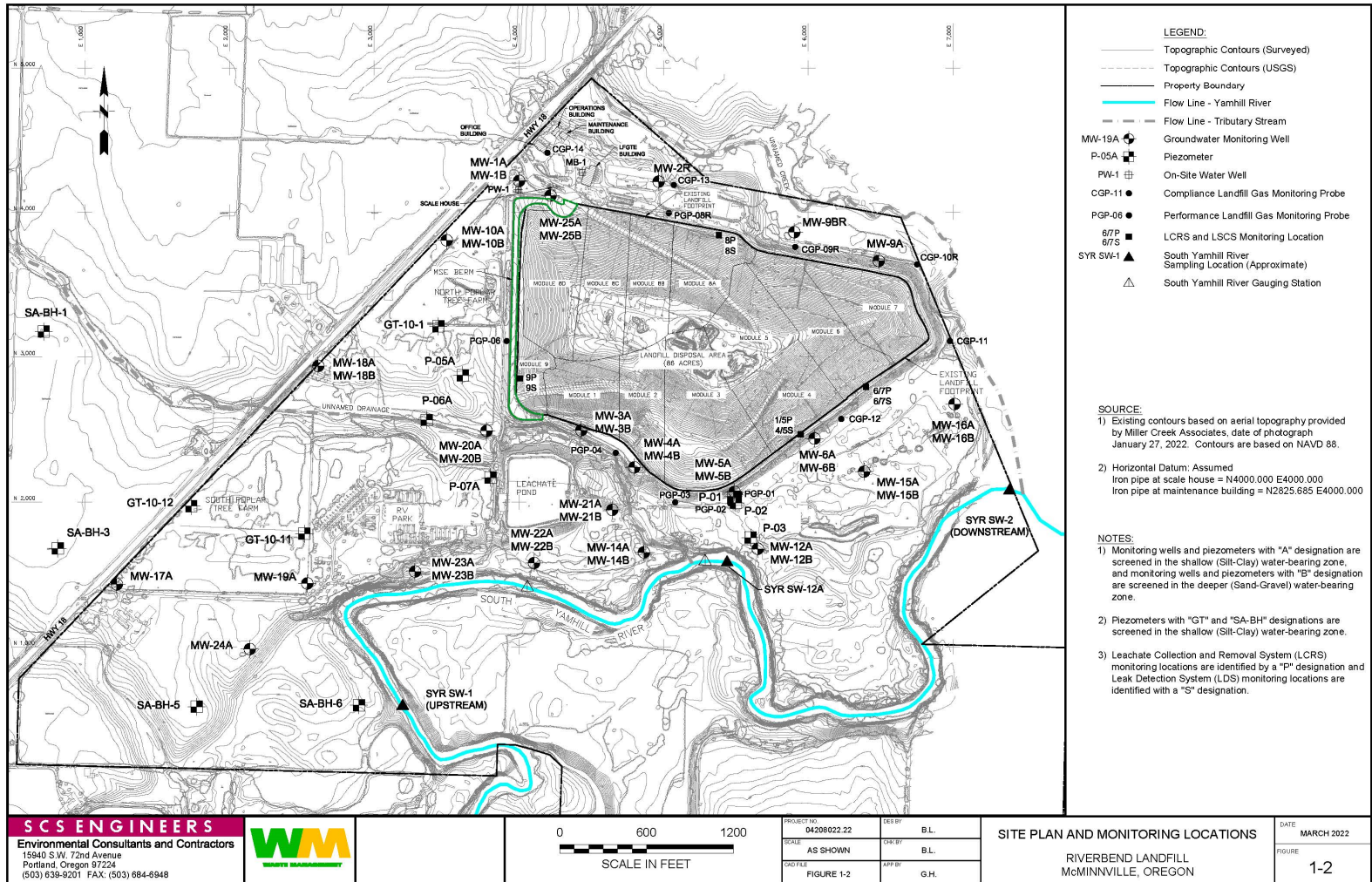
Presentation

June 22, 2022





Aerial view of Riverbend Landfill



Riverbend Landfill

- Began operating in 1982.
- Permitted area covers 87 acres.

Waste volumes

Amount of waste disposed of at Riverbend Landfill:
12,604,000 cubic yards.

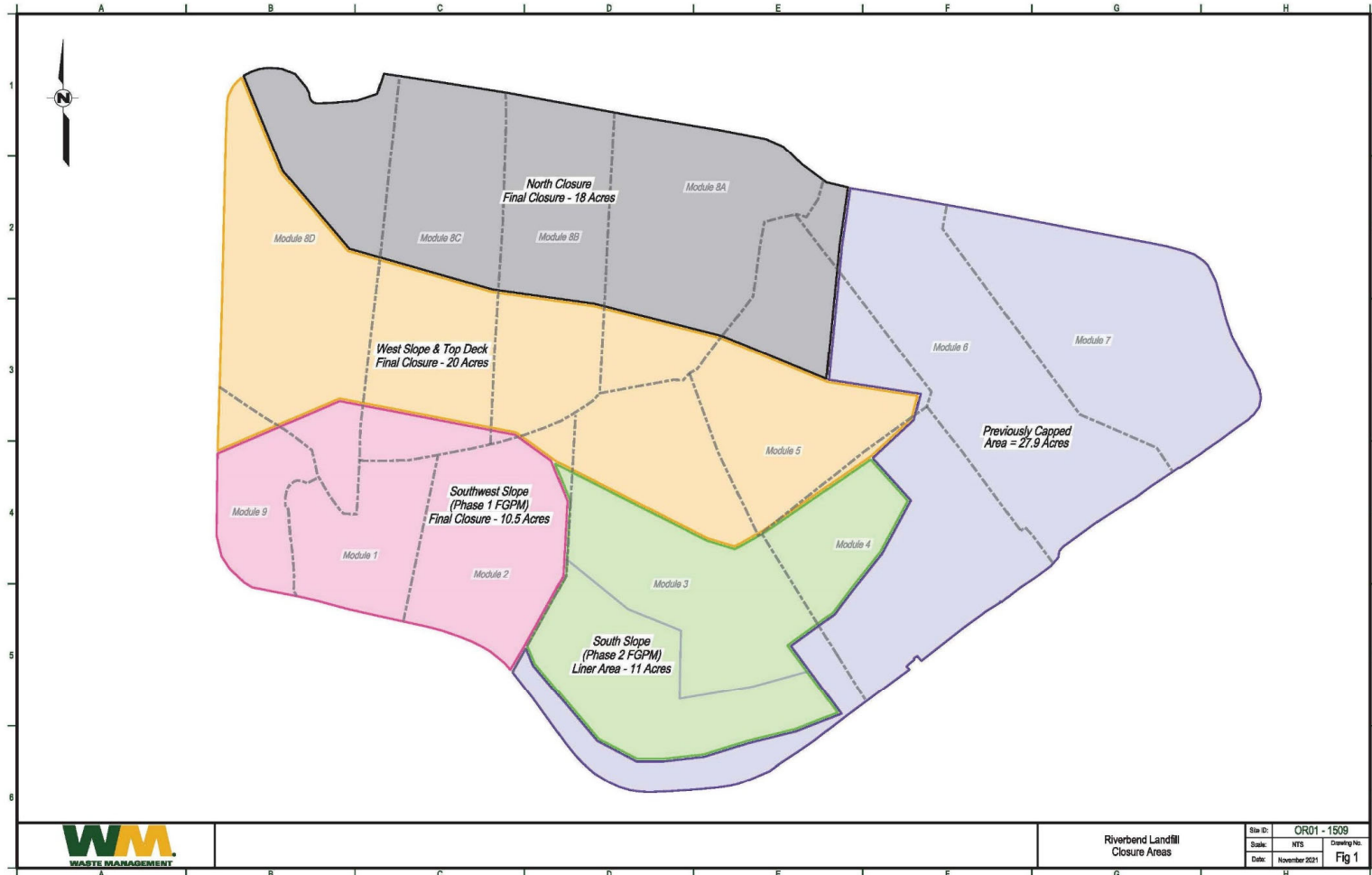
Waste capacity remaining (as of Jan. 1, 2022):
395,400 cubic yards.

Notes:

1 cubic yard of garbage weighs approximately 1 ton.

1 cubic yard of soil weighs approximately 1.5 tons.

Figure 1 Closure Areas



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Permitting history

- DEQ issued most recent solid waste permit in 1999.
- That permit had an expiration date of 2009.
- Permittee applied for a permit renewal prior to 2009 expiration.
- So DEQ administratively extended the permit, as allowed in rule.

Permitting history

Key aspects of the permit are kept up to date. The primary documents are:

- Environmental monitoring plan.
- Annual environmental monitoring reports.
- Financial assurance updates.

Permitting history

Considerations related to the proposal to issue this permit now:

Permitting history

Landfill must apply for a closure permit at least five years prior to reaching capacity.

Would the landfill expand?

Permitting history

- Riverbend Landfill Co. applied for a 29-acre expansion in 2015.
- But it incurred legal challenges.
- Yamhill County denied Riverbend's applications for site design review and a floodplain development permit in August 2020.

Current operating status

July 2021 – Riverbend stopped accepting waste, except by appointment.

Key elements of draft closure permit

- Closure must be completed within eight years of permit issuance date.
- The landfill may continue to accept waste until capacity is reached, provided the eight-year time limit is not exceeded.

Key elements of draft closure permit

- The closure permit does not prevent the landfill from applying for an expansion in the future. This would require approval from Yamhill County in the form of a land use compatibility statement.

Basis for eight-year schedule

- **Remaining space** - In all, 59 acres remaining to be capped.
- **Capping rate** - About 10 to 20 acres can be capped each year.
- **Waste flow** - It's uncertain when the selected waste types will be available.
- **Allowing time for settlement** - Balancing reduction in leachate and odors against allowing time for waste to settle, while minimizing stress on the final cover.

Closure components

- Final grading.
- Construction of the final cover system.
- Construction of the remaining portion of the landfill gas extraction system.
- Construction of the final storm water management system.

Final grading

- Minimum slope: Two percent.
- Maximum slope: 3 horizontal to 1 vertical



Final cover system – bottom to top

- Foundation layer: 18 inches of compacted soil.
- Barrier layer: 60-mil LLDPE geomembrane
- Drainage layer: Either 12-inch gravel layer or geosynthetic drainage layer.
- Erosion layer: 18 inches of soil with grass cover.

Landfill gas management system

- Most of this system is already in place.
- New components will include:
 - Landfill gas collection wells.
 - Gas wellhead assemblies.
 - Landfill gas lateral pipes.

Post-closure care

Existing operation, maintenance and monitoring will continue for the foreseeable future. This includes:

- Gas collection and control.
- Leachate collection and treatment.
- Groundwater monitoring.
- Stormwater management.

More info and contact

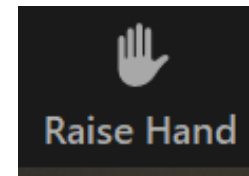
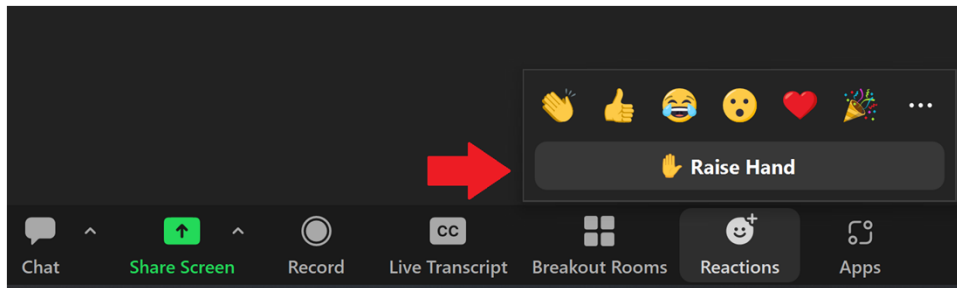
- More information found at **ordeq.org/RiverbendLandfill**.
- Dylan Darling, DEQ public affairs specialist, 541-600-6119, dylan.darling@deq.oregon.gov.

Questions and answers

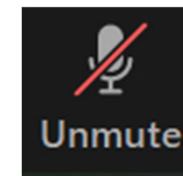


How to raise hand

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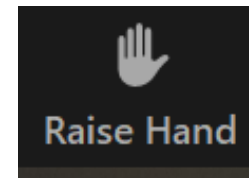
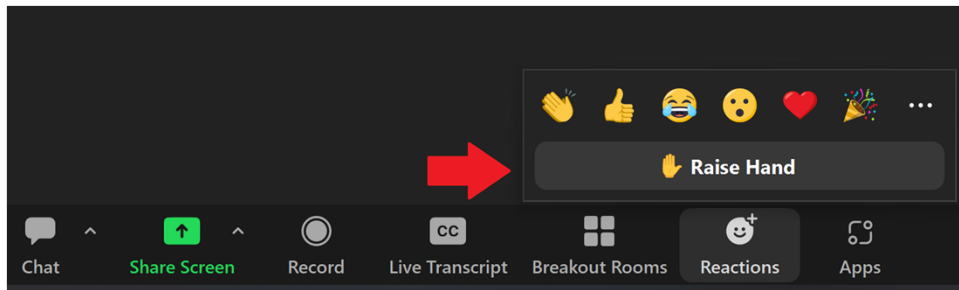
Five-minute break

We'll be right back!

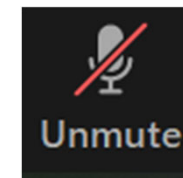
Public Hearing

How to raise hand

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Next Steps

- Public comment period closes **5 p.m. June 27, 2022.**
- DEQ will respond to all comments in writing and may modify the proposed permit based on comments received.
- DEQ can only modify the permit in accordance with rules and statutes under the authority of the department.
- DEQ will issue a permit if it meets all applicable environmental rules and regulations.

To submit written comment

Email to: deqwr.solidwastepermitcoordinator@deq.oregon.gov

Mail to:

Solid Waste Permit Coordinator

Oregon DEQ

165 E Seventh Ave., Suite 100

Eugene, OR 97401

More information found at ordeq.org/RiverbendLandfill.