

# WAC 173-350

## Solid Waste Handling Standards Update Sections 330, 400, 410 – and 405

Bill Harris and Wayne Krafft  
Waste 2 Resources Program





# Section 330: Surface Impoundments and Tanks

# Section 330: Clarifying Applicability

- Principal application is to systems for handling leachate at landfills, but...
  - Other sections of Solid Waste Handling Standards, as well as WAC 173-308 - Biosolids Management, also rely on Section 330 for design, construction, and operating criteria.
  - Clarify that some or all of Section 330 requirements are relevant in those cases.
- Expand scope to include piping systems which connect to surface impoundments or tanks.



# Section 330: Updated Criteria

- Periodic leak testing.
- Periodic maintenance and cleaning.
- Leakage criterion to trigger repairs and assessments.
- Controls on public access.
- Document how facilities are designed and constructed.
- Plans of operations.
- Location in relation to existing water wells.
- Notification to nearby property owners.
- Permits for solid waste activities which include surface impoundment and tanks must address requirements.





# Section 400: Limited Purpose Landfills

# Section 400: Highlight Flexibility

- Reorganize design standards.
  - Demonstrate that a proposed design meets the relevant performance standards.
  - Several options available to limited purpose landfill operators for liner and final cover designs.



# Section 400:

## Improve Access to Information

- Expand description of what data needs to be collected at limited purpose landfills, and how it should be reported.
- Proposed language largely reflects current practices by most limited purpose landfill operators.
- Establish a consistent basis for producing data to guide the management of facilities throughout the state.



# Section 400:

## Consistency and Clarity

- Mirror approaches adopted in 2012 for the Criteria for Municipal Solid Waste Landfills, WAC 173-351.
  - Redefine endpoints for post-closure to focus on functional stability of the landfill.
  - Eliminate use of subjective stability criteria.
  - Eliminate arbitrary timeframe for financial assurance planning.
  - Use environmental covenants to provide continued protection for human health and the environment after post-closure.



# Section 400: Updated Criteria

- Document how facilities are designed and constructed.
- Plans of operations.
- Location in relation to existing water wells.
- Notification to nearby property owners.





# Section 410: Inert Waste Landfills

# Section 410:

## Expanding Conditional Exemptions

- Adjust limit on volume of inert waste which can be disposed without a permit under a conditional exemption.
  - Raise to 2000 cubic yards from current 250 cubic yards.
  - Operator must provide notification of intent to its local jurisdictional health department and to Ecology.
- Disposal of less than 250 cubic yards of inert waste doesn't require notification.



# Section 410: Updated Criteria

- Controls on public access.
- Document how facilities are designed and constructed.
- Plans of operations.
- Location in relation to existing water wells.
- Notification to nearby property owners.





# Section 405: Hybrid Waste Landfills

# Section 405: Aligning requirements for landfills

- Sections 235 and 995 establish criteria for impacted soils



# Section 405: Aligning requirements for landfills

- Section 410 establishes criteria for inert waste landfills



# Section 405: Aligning requirements for landfills

- Section 405 combines these to create guidelines for landfills receiving both inert waste and impacted soils.



# Section 405:

## Aligning requirements

- Materials included (or excluded) under 235 will be treated the same in hybrid waste landfills
- Contaminant limits from 235 and 995 are included for hybrid waste landfills



# Section 405: Exemptions

- Landfills disposing of less than 2,000 cubic yards would be not be required to obtain a solid waste permit (aligns with 410).





# Questions and Discussion