DNR Waste & Materials Management Study Group
What it is...

- The Waste and Materials Management Study (WMM) Group is:
  - A stakeholder working group
  - Serves as a forum for the WMM program to receive input from, and provide information to, stakeholder organizations.
  - Provides the WMM Program with constructive feedback on policy and technical issues and works collaboratively with DNR staff to find workable solutions.
Members

- Alan Albee, Eagle Waste and Recycling
- Tim Curry, Advanced Disposal
- Chad Doverspike, Brown County
- Meleesa Johnson, Marathon County
- Tom Karwoski, SCS Engineers
- Lynn Morgan, Waste Management
- Andy Nickodem, Golder Associates
- Amber Meyer Smith, Clean Wisconsin
- Bart Sexton, Sand Creek Consultants
- John Welch, Dane County
What are the priorities?

• 27 issue/topics were identified-grouped into 3 categories
  – Landfills
  – Resource management
  – Regulatory

• 5 priorities selected-subcommittees created
  – Construction & demolition materials management
  – Alternative landfill caps
  – Organics management
  – Groundwater monitoring at closed sites
  – Recycling innovations
C&D Materials Management

- Evaluate barriers to & explore options for a more robust C&D recycling industry
  - Markets for wood waste and drywall
  - Cost separation between recycling and landfilling C&D

- Evaluate limitations of C&D landfills
  - Bad Actor Clause, VOC monitoring, OFR requirements, site expansion setbacks
  - Evaluating state fees and site life limits

- Methods of increasing C&D materials from landfill disposal
  - Education/outreach
  - Model ordinances that require/encourage C&D recycling
Alternative landfill caps (ALC)

- Support goals of Organic Stability Rule under NR 514.07(9)
- Reduce final cover cost
- Reduce final cover maintenance/costs (reduce LTC costs)
- Improve access to below-cover features (LF gas collection system, air lines) for repairs
- Support LF sustainability & asset management
- Potential revenue source (solar?)
Alc Recommendations:

- DNR prepare guidance document for proposing & implementing Alternative Final Cover (AFC)
  - DNR asked subgroup to prioritize
- DNR work with US EPA to modify the infiltration equivalency requirement - other performance objectives in place (head on liner/fugitive emissions) to protect health & environment
  - May require modifying Subtitle D
- DNR identify committee to recommend changes to state and federal code
  - DNR to communicate existing process through guidance
ALC Recommendations

- DNR modify NR 500 – ability to approve AFC designs based on performance results of projects constructed under RDD program.
  - DNR has ability to approve AFCs based on results of RDD
- DNR to allow longer delay in final cover system construction (2 vs. 5 yrs) – supports goals of OSR’s
  - DNR to further evaluate
- DNR allow alternative closure phasing, sacrificial covering & reclaiming airspace from settlement prior to final cover construction.
  - DNR allows overfilling; seek clarification from subgroup
Food & Organics Residual Reduction Management (FORRM)

• Dismissed “landfill ban” on food waste
  – Likely met with opposition
  – No sound infrastructure in place to manage food waste outside of landfills

• Used EPA’s Food Recovery Hierarchy as framework
  – Source reduction; Feed hungry people; Feed animals; Industrial uses; Composting; Landfill/Incineration

• Moved forward with...
  – Source Reduction
  – Landfill diversion
FORRM

• Build partnerships/network
• Develop map of current infrastructure (compost sites, digesters, food donation, etc.)
• Foster collaboration with ag industry (feedstock for animals; feedstock for manure digesters; feedstock for windrow manure compost piles)
• Statewide education program-normalize or “make cool” the idea of diverting food waste from landfills
• Educational programs that help consumers and commercial sector reduce waste food
Reducing GW Monitoring at Closed Landfills

- Subcommittee focused on revisions to current guidance
- Guidance for reducing or terminating groundwater monitoring at solid waste landfills has been in place for many years
- Existing guidance PUB – WA 1013 was last revised in 2014
- Currently the Guidance focuses on steps to reduce monitoring frequency
Subcommittee Recommendations

• Create a road map within the guidance for:
  1. Reducing frequency of monitoring rounds
  2. Reducing the size of the monitoring network
  3. Elimination of specific parameters
  4. Termination of monitoring

• Consider reducing monitoring frequency beyond current minimum of 1 year for landfills that qualify (i.e., 2-year or 5-year frequency)

• Potential to set up review committees within DNR to review requests for monitoring reductions/termination

• Guidance developed; will be out for public comment soon
Recycling Innovations

• Began with a focus on preserving Recycling Fee for recycling purposes

• Rebrand in advance of 30\textsuperscript{th} anniversary of Recycling Law
  – Reflect job creation and economic benefit, while retaining environmental message

• May begin looking at improving MRF infrastructure & statewide recycling education