

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

FORM

- 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 30th anniversary of Recycling Law
 - Reflect job creation and economic benefit, while retaining environmental message
- May begin looking at improving MRF infrastructure & statewide recycling education

