

WASTE & MATERIALS MANAGEMENT STUDY GROUP – Notes: October 1, 2020

Location: Skype

Member Attendance: Albee, Curry, Doverspike/SWANA, Johnson, Karwoski, Meyer Smith, Morgan, Sexton,
 Welch/WCSWMA Sieg/AROW

Guests: Several guests listened using Skype, total of 30 participants including members and DNR

DNR Attendance: Lamensky, Semrau, Strom Hiorns, Wolbert

Time/ Presenter	Topic	Follow-up/Notes
9:30	Agenda & Notes	<ul style="list-style-type: none"> • Notes from 8/6/20 were approved. Finalized notes can be found on the WMM website. • Suggestion for Notes to include meeting discussions only, but could add narrative afterward if marked as such in the Notes for transparency; or these additions could be sent by email to Group • No agenda changes
9:45 Brad Wolbert	DNR Updates	<p>Staffing:</p> <ul style="list-style-type: none"> • Hiring freeze still in effect, but exceptions for COVID-related or essential positions with DNR secretary’s approval. Waste & MM Program did get approval to hire a Hazardous Waste Engineer to work on licensing. • No budget info to share. • All staff still working at home. <p>Rulemaking:</p> <ul style="list-style-type: none"> • Coal Combustion Residual rule writing ongoing, working with Environmental Protection Agency to ensure “as protective as” • Firefighting Foam emergency rule approval request at October 28 NRB meeting (postponed approval in August)– mostly affects how entities that test firefighting foam should store, contain, treat, and dispose of foam • Hazardous waste rule in effect September 1. • Beneficial use rule effective November 1. • Electronics recycling rule writing in progress, will have public input opportunities this fall <p>General Program:</p> <ul style="list-style-type: none"> • No update on Legislative Audit Bureau program evaluation of state recycling program • Waste Characterization Study started; thanks to John Welch and Dane County LF for letting DNR staff visit during the sort this week. Final report expected by March 31, 2021 • Natural Resources fall magazine includes articles on recycling and E-cycling • Solid Waste Interested Parties meeting on Monday October 5, 10-12:30 – agenda online (search “SWIP” at dnr.wi.gov)

		<p>PFAS:</p> <ul style="list-style-type: none"> • AFFF BMPs, FAQs, and rule info on webpage, along with fire department survey results on amounts of foam • WisPAC meetings ongoing – next meetings are October 6 and 15. PFAS Action Plan (draft) on DNR website.
<p>10:00-10:35 Wolbert</p>	<p>PFAS Activities and Facility Questions</p>	<p>How can the Study Group play a role in WisPAC’s Recommendation 1.2? Develop recommendations for management of PFAS-containing landfill leachate: https://dnr.wisconsin.gov/sites/default/files/topic/PFAS/wispac/DraftActionPlan20200916.pdf</p> <p>Brainstorming/ideas:</p> <ul style="list-style-type: none"> - Can this be a way to minimize impacts to landfills as well? - What options are there – pre-treatment of leachate only? Financial impact on landfills. - Lack of regulation on disposal of PFAS material. - Concern with report: treats Wastewater Treatment Plants different than landfills. Landfills viewed as a source, which is not accurate. - Pretreatment of leachate at landfill is focus in the report, rather than pretreatment at a WWTP - Original action 1.2 in report was that DNR would set a PFAS leachate standard, and it now talks about discussions with stakeholders to figure out safety and how PFAS could be minimized. Has been improved. - Do we know of technologies to treat leachate? That are most cost effective and effective at removal? - Is it possible to treat biosolids instead before landspreading? More cost effective? - Review information from Vermont – treat but not eliminate PFAS. Notes that landfills may be final sequestration location. There are costs to managing that waste stream. - (from Skype chat: The product stewardship action 6.1 in Action Plan does mention phasing out and potentially banning PFAS-containing products. The plan also incorporates several comments from the public and external advisory groups regarding eliminating PFAS from products) - Technology not there to safely dispose of concentrated PFAS after treatment - People still being exposed to unhealthy levels of PFAS so do need to take action; also is political resistance <p>DNR will be sending out a link to a survey specifically designed for public comments. There will be an option to submit written documents. (From Jason Lowery of the DNR Office of Emerging Contaminants)</p> <p>----Could provide general comments from WMM Study Group: want to collaborate and work with DNR on this issue: ---- Send from Group, signed by chairs: “We extend appreciation to WisPAC for work done and look forward to participation with and outcomes of Action Item 1.2. Please contact us if you need more information.” ---- Then members can offer technical expertise and the Group overall could provide consensus with recommendations/outcomes or state where members have different opinions within the Group</p> <p>→All members agree on this. Meleesa and Chad will send out a draft to the Group before sending to WisPAC.</p> <hr/> <p><i>What questions are you getting about PFAS disposal options? What is your response? What information do you need from DNR/EPA?</i></p> <ul style="list-style-type: none"> - Brown County currently does not have specific disposal guidelines. Not asking/testing material coming in. If guidance developed, will refer to those parameters for special waste application. - Guidance would be extremely helpful. Future regulations put upon site needs to be known. - Even if guidance comes out, it wouldn’t give you any legal protections down the road.

		<ul style="list-style-type: none"> - Would be good to require that landfills be notified of PFAS material prior to disposal. - Need profile of the waste, asked by contractors to handle, but not a hazardous waste. Unsure of best handling method. - Mike Walsh – works for EnviroSafe and need to do the profiling of the waste - Hard to find locations for this material, all sites still waiting on DNR/EPA info and future liability info. - Marathon County currently does not have disposal guidelines and not asking/testing material coming in. - There is circular relationship between landfills and WWTPs of handling leachate then handling sludge and filters - WWTP will eventually be tested for PFAS as well. Sites told by WWTP that if take known PFAS material, will consider the landfill a direct source and potentially cut off/reduce service - ADS: if known PFAS material ADS landfill will not take it. Policy says unless prove levels are below health standards already in place, but unaware of health standard to go by, could use DNR list of compounds although not using it to screen now) - WM: if known PFAS material, WM MSW landfill in WI will not take it. Other WM hazardous waste sites in the U.S. could, and will arrange transport. <hr style="width: 20%; margin-left: 0;"/> <p>From Skype chat during meeting, info provided by DNR staff: DOD has said research is delayed due to COVID. https://www.newsweek.com/forever-chemical-research-delayed-due-covid-19-pentagon-says-1532112?amp=1 Michigan report identifying landfills as a source of PFAS to WWTPs: https://www.michigan.gov/documents/egle/wrd-ipp-pfas-intiative-identified-sources_699494_7.pdf</p>
<p style="text-align: center;">10:50 Johnson, Wolbert</p>	<p style="text-align: center;">Technical foundation for solid waste improvements</p>	<p><i>What research needs to be done, what research exists and how do we lay the groundwork for improving/modernizing solid waste management in WI?</i></p> <p>This effort intended to help the DNR build knowledge on <u>potential</u> for entering into updates to NR 500 series of administrative code in the future. Need to identify priorities for change and begin groundwork to inform rulemaking. A lot of technical issues involved with code updates and would like to do some research in advance. May contract with consultant to gather more info.</p> <p>Brainstorm of initial ideas:</p> <ul style="list-style-type: none"> - Li Ion batteries - Recovery and Diversion subcommittee has many ideas from its last meeting - Alternative landfill liner design - Phase closure/alternative caps - Financial assurance language - respond to changes over time to engineering – ways to build in flexibility for future tech? Not prescriptive - look at Legislative Audit Bureau evaluation of recycling <p>➔ Next: Meleesa and Chad discuss with DNR within the next month how best to proceed</p>
<p style="text-align: center;">11:50</p>	<p style="text-align: center;">Next meeting plans</p>	<ul style="list-style-type: none"> • Next meeting: December 3, 2020 • Send agenda topics to Meleesa and Chad

		→Next agenda ideas: include the Technical foundation for SW improvements topic; Ban of container glass; Update on DNR budget request; Env'l Management Account (use for PFAS clean up?)
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