

# WASTE & MATERIALS MANAGEMENT STUDY GROUP – Notes: February 16, 2017



Location: DNR Fitchburg Service Center

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

DNR Attendance:  Lamensky,  Moore,  Semrau,  Sponseller,  Van Rossum

Subs/Guest Speakers: Phil Fauble, DNR Bureau of Waste and Materials Management Mining and Beneficial Use Coordinator; Colleen Storck, DNR Bureau of Waste and Materials Management Business Support and Information Technology Section Chief

Time/ Presenter	Topic	Follow-up/Notes
1:00 Meleesa & Chad	<b>Agenda Adjustments and Note Review</b>	<ul style="list-style-type: none"> <li>Notes from 12/7/16 were approved (vote: 9:0). Finalized notes can be found <a href="#">here</a> on the WMM website.</li> <li>Is the group open to hearing a presentation from UWSP about a possible endowment chair at the April meeting? UWSP has a major for soils and waste management which is split into a wastewater and a solid waste expertise. The solid waste program is looking for an endowment chair and some type of committee. The presentation would be 15-20 minutes and would include an overview of some projects that the program is working on. Group consensus was yes.</li> </ul>
1:10 Joe	<b>DNR and Study Group Updates</b>	<p>Study group updates:</p> <ul style="list-style-type: none"> <li>Joe has been in conversations with a possible new Study Group member, who is determining if membership can fit with their work schedule; if so the department will move forward with the replacement process</li> <li>Joe is the department co-chair to the study group while the Bureau Director position is vacant and may continue to be after the position is filled</li> <li>New LFB papers have been published, and Joe brought copies of a few to the meeting. The Waste Management Program information is primarily authored by Kendra Bonderud.</li> </ul> <p>DNR updates:</p> <ul style="list-style-type: none"> <li>Amber asked about the impact the Governor's budget would have on the WMMP. Joe said the program is still reviewing it, but so far there have been no surprises. The recycling grants are still at 19 million and 1 million in the proposal</li> <li>Lynn asked about changes to the EMA account in the proposed budget, and Amber added that 3 million appears to be moved from the EMA account to the non-point account. Joe believes it might be associated with the PECFA program, but is still looking into it. Bart added that the budget proposal did include additional funds for finishing up some PECFA work. Meleesa asked how many more tanks were out there. Bart estimated 650 made the deadline for requesting PECFA assistance, but have not been cleaned up yet.</li> <li>Clean soil guidance is being finalized with respect to the public comments received</li> <li>Congress approved a large water appropriations bill that included a provision to give coal combustion</li> </ul>

		<p>ash management authority to the states. The WMMP is still waiting to hear specifics from the EPA. WMMP will be considering management options over the next couple of years.</p> <ul style="list-style-type: none"> <li>Lynn asked about WMMP funding from federal sources. Joe said there is federal funding for the hazardous waste program. Lynn asked if there were concerns about that funding continuing. Joe stated that no funding changes have been made at this time, and we have to deal with facts as we know them. More information may come to light in September at the end of the federal fiscal year. Lynn asked how many positions are funded from the federal hazardous waste grant. Colleen stated that it was 26 positions, including 1 in R&amp;R and 1 in Law Enforcement.</li> </ul> <p>Hiring updates</p> <ul style="list-style-type: none"> <li>The Bureau Director position is open for applicants until March 6</li> <li>The lead engineer position is open for applicants 2/15-2/27</li> <li>There is an internal recruitment for an engineer out of the Eau Claire office</li> <li>Once the Bureau Director position is filled, recruitment will begin for a field operations director</li> <li>The program will be hiring an IT project manager</li> </ul> <p>Alignment updates:</p> <ul style="list-style-type: none"> <li>Continues to move forward with minimal impacts on the WMM Program because of earlier work done</li> <li>Every program in the Environmental Management Division (EM Div) has been asked to work on 2 streamlining projects. The projects for WMMP are transitioning to electronic licensing for haulers and streamlining the approval process for solid waste processors, starting with wood processors. This will involve some sort of application process to make it easier for facilities to prepare submittals. It will likely be a template for other application type forms and may be brought to the study group or a subgroup for feedback and prioritization of future facility applications. These would be focused on facilities regulated under ch. NR 502, Wis. Adm. Code, including outdoor storage facilities. Bart added that all EM Divisions are doing this so please be prepared to give feedback. The goal is to streamline what we can so that staff can focus more on core work that cannot be automated.</li> </ul>
<p>1:25 Colleen Storck</p>	<p><b>WMMP IT Projects Update</b></p>  <p>Waste Study Group IT Presentation Feb 2017</p>	<ul style="list-style-type: none"> <li>John Q: is the new ICE data management system for internal use only or will there be an external component? Colleen A: Believes there will be an external component similar to SHWIMS on the web</li> <li>Meleesa Q: Will externals still have access to SHWIMS until it is replaced? Colleen A: yes</li> <li>Lynn: Excited to hear about this large IT investment; it sounds helpful. Q: Will there be a way for landfill annual reports to be submitted electronically in the system? Colleen A: yes</li> </ul>
<p>1:55 Phil Fauble</p>	<p><b>Beneficial Use of Industrial Byproducts Rule Rewrite Update</b></p>  <p>NR 538.pdf</p>	<ul style="list-style-type: none"> <li>Meleesa Q: What about foundry sand used as fill in CAFO operations? In rural areas where sludge is land applied, can the sludge impact the leachate from the industrial byproduct? Phil A: The leach tests used when testing for BU use pure water. It is going to result in a higher amount of leaching than it would be exposed to in the environment so it is a conservative test. Soil types do matter since sandy soil has almost no attenuation and clay does. Landspreading of sludge also has to meet load rate standards. The TAC (Technical Advisory Committee for the ch. NR 538 rule rewrite) is looking at adding something similar to ch. NR 538. Would need to do studies at UW on nutrient plans with maximum</li> </ul>

		<p>loading results, but no matter the soil type, leaching in the environment would be lower than how it tested during TCLP. Having case specific testing requirements does not fit well with a self-implementing program so the most conservative standards are used.</p> <ul style="list-style-type: none"> <li>• Lynn Q: Can you explain how a mine that uses BU material in its reclamation fits with the self-implementing nature of the c. NR 538 regs? Phil A: It could be done by a concurrence letter</li> <li>• Lynn Q: Could a nonmetallic mine use foundry sand and still be in compliance with ch. NR 140? Phil A: would likely be acceptable for Category 2 BU material</li> <li>• Lynn Q: Is the NR 538 TAC looking at the NR 718 guidance on defining “clean”? Phil A: That guidance is focused on unknown material. For industrial byproducts, it is known material. It is not considered clean.</li> <li>• John Q: Are there deed restrictions saying that areas where BU material was placed can’t be moved in the future? Phil A: Current deed requirements would require a residential property that wanted to move the BU material to treat it as a solid waste. The TAC is looking at documenting GPS locations of the fill sites and making those files accessible to the public to help keep sites from ending up as remediation sites in the future. If information about the original BU material is known, then it could be placed at another BU site as future management.</li> <li>• Lynn Q: Is there a deed notification requirement so that the property owner would know now? Phil A: Yes, but the material could be anywhere on a large property; using GPS would allow the limits of waste to be documented.</li> <li>• Meleesa Q: Who is responsible for maintaining the 2 foot cover requirements for BU disposal sites like a landfill is required to? Phil A: These sites aren’t landfills. They need to be maintained, but they are not inspected long term.</li> <li>• John: If the cover requirements are just 2 feet of soil it sounds like the area would be very easy to disturb. Phil: This is pretty clean material. We’re doing what we can to keep the materials from filling up landfill space.</li> <li>• Amber Q: I have heard that there are some concerns that the leach test being used is lower than health standards; can you talk about those concerns? Phil A: The program goal, as tasked by the legislature, is to balance environmental protection with keeping this material from filling up landfills. There are several different leach tests and some issues with each type of test, but the program is working closely with the Dept. of Health to differentiate materials that are acceptable to be used as BU and those that aren’t.</li> <li>• The TAC for the rule rewrite is ongoing. Each TAC representative is responsible for reporting back to their industry on the progress. Phil can add this group to the list of those receiving notifications on future TAC meetings. Link to rule rewrite webpage can be found <a href="#">here</a></li> <li>• In many states this material is not considered a solid waste</li> </ul>
<p>2:35 All</p>	<p><b>Co-chair Elections</b></p>	<ul style="list-style-type: none"> <li>• Alan recommended that Chad and Meleesa remain co-chairs for another year. Andy added that it would be helpful because the study group has momentum. Chad and Meleesa were elected to remain co-chairs for another year (vote 9:0).</li> <li>• Bart thanked Chad and Meleesa and thinks the continuity will be very helpful</li> </ul>
<p>3:05</p>		<p>Food and Organics Residuals Reduction Management -</p>

All

**Subgroup  
Overview**



- Work is difficult because the scope is so broad, and there are many project ideas
- Using EPA's waste hierarchy for determining action items, currently the food waste hierarchy in Wisconsin is inverted
- John: recommends putting savings into monetary value for household consumers and bringing Sanimax into the markets directory
- Meleesa has a project where she is currently working on on-farm composting of food waste
- Removing organics from landfills may make it easier to treat landfill leachate
- The whole group will not be working on any one project; instead we will break off into specific work projects
- Lynn: suggests the group make sure to include the greenhouse gas emission impacts of food waste in addition to the economic losses. Meleesa agreed and said that is why source reduction is a focus
- Chad: wants to make sure the group is not in the same position a year from now but to have some results. This is a general challenge for all subcommittees. Meleesa noted that some group tasks are more straightforward than others. Joe recommended reading through the goals of the WMM Study Group periodically to stay on task.

Reducing or terminating groundwater monitoring at closed landfills -

- The group has a new member: Frank Perugini of Environmental Sampling Corporation
- The group has opened the original guidance on reducing groundwater monitoring up to include different types of reduction (parameters tested for, testing frequency, # of wells)
- There was some question about how the subgroup could participate in helping draft guidance. Joe: the subgroup can help. One of the roles of the Study Group is to work with the dept. If we want to move projects forward anyone can contribute.
- Draft text for updating the guidance is in progress
- The group plans to meet again in mid to late March
- The group plans to remove the language that states requesting a reduction in monitoring may not result in a monitoring reduction and replace it with a checklist that indicates if a specific site may have suitability for reduction
- There is some confusion on the purpose of the monitoring so the roll out would include some outreach
- The subgroup hopes to share proposed changes to the guidance with the full study group prior to the April meeting for a discussion at the April meeting
- Joe asked that if the group would like more than the typical 10 minute update time allotment that the co-chairs and Casey are notified in advance for proper scheduling

Recycling Innovations-

- This group is really starting with a broad topic and working on narrowing it down, but the project is currently flowing in a lot of directions
- The group has defined 5 criteria that they consider desirable effects of creating innovative recycling environments and are trying to determine how these can be measured or assessed. They are: reduction in greenhouse gas emissions, tons of material diverted from the landfill, the creation of jobs and other economic benefits, natural resources conserved and the value of saved air space.

		<ul style="list-style-type: none"> <li>• The group will be splitting into smaller groups to better work on each of these</li> <li>• The group is also discussing the importance of consistent recycling definitions and increased uniformity</li> <li>• John: is glad this is all being considered rather than just straight weights since we all know glass weighs the most, but is not the best use of resources</li> <li>• All weights and materials are being considered including reuse and reduction rather than only diversion and consideration of non “table 1” materials</li> <li>• Chad asked if the group had considered focusing on one component at a time, but Meleesa said they are all so intertwined that would be difficult</li> </ul> <p>Alternative Landfill Caps-</p> <ul style="list-style-type: none"> <li>• The group has been looking at some research on the effects of the organic stability rule 5 years after implementation, and an update Bob Greffe gave at a 2014 SWIP meeting</li> <li>• The group hopes to present about 6 recommendations to the study group around July or August</li> <li>• The group is considering a lot of questions, including what is the point of a cap so what are you measuring “equivalency” against</li> <li>• Joe asked about alternative cap facilities in the long term</li> <li>• Meleesa pointed out that having a landfill with organically stable waste decreases your liability</li> </ul> <p>C&amp;D-</p> <ul style="list-style-type: none"> <li>• Had a technical issue with noticing the call and only 4 people were able to attend</li> <li>• C&amp;D landfill subgroup is working on written recommendations for subcommittee review. The recommendations are approximately 4-6 months out.</li> <li>• The C&amp;D recycling group is working on a model ordinance and creating educational materials for different audiences as part of a long term effort</li> <li>• The group is also considering how to expand wood markets. Wood is a huge component of C&amp;D waste, and markets are down because of natural gas prices. If those markets are gone, more markets need to be found and developed. Examples include silt socks, animal bedding and landscaping.</li> <li>• The group is trying to get more information on what the Dept. concerns are around using OSB board in the same markets as clean wood</li> <li>• Currently at Dane County C&amp;D MRF, 10% of wood waste material is being landfilled</li> <li>• Meleesa brought up the Mirro building demolition project and how she was disappointed to find out that 45,000 tons of demolition materials are being landfilled at \$13/ton. She stated that the max percent of total material that can be used as ADC is watched closely at Marathon County and hopes other landfills are held to their ADC maximums as well.</li> </ul>
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<p>3:55 All</p>	<p><b>Announcements</b></p>	<ul style="list-style-type: none"> <li>• April 6<sup>th</sup> meeting will be at Schmeckle Reserve in Stevens Point from 9:30am-12:30pm</li> <li>• Casey will send out a doodle for June and August meetings</li> </ul>
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