

**OPEN SESSION MINUTES  
WINNEBAGO COUNTY BOARD OF SUPERVISORS  
SOLID WASTE MANAGEMENT BOARD**

DATE: October 16, 2019

TIME: 9:01 a.m.

LOCATION: Highway Department  
900 W. County Road Y  
Oshkosh, WI

PRESENT: Pat O'Brien, Chairman  
David Albrecht, Vice Chairman  
Paul Eisen, Secretary  
Jerry Finch  
Gerry Konrad  
Susan Locke  
Doug Nelson

EXCUSED: Mike Easker  
Ken Robl

ALSO PRESENT: John Rabe, Director of Solid Waste  
Cassie Stadtmueller, Administrative Associate  
Kurt Pernsteiner, Operations Manager  
Kathy Hutter, Recycling Program Manager  
Zach Moureau, Environmental Manager  
Sara Beine, Foth Infrastructure & Environment

1. Call to Order: P. O'Brien called the meeting to order at 9:01 a.m.
2. Approve Agenda: Motion to approve the October 16, 2019 agenda, made by J. Finch and seconded by D. Albrecht. Motion carried 7-0.
3. Public Comments on Agenda Items: None.
4. Announcements/Communications: J. Rabe informed the Solid Waste Management Board (SWMB) about an article in *Waste 360* about the Status of Recycling. J. Rabe explained the article discusses recycling and market changes and commodity rates. J. Rabe stated he will distribute a copy to SWMB members.

Discussion ensued amongst the SWMB.

5. Approval of Minutes – October 2, 2019 Open Session: Motion to approve the October 2, 2019 open session minutes, made by J. Finch and seconded by S. Locke. Motion carried 7-0.

6. Discussion/Action – Solid Waste Administration Office Addition & Renovation Project: J. Rabe presented the Solid Waste Administration Office Addition & Renovation Project to the SWMB as follows:

- Construction project photos
- Review updated schedule – schedule now pushed to 1-3-2020 for substantial completion (previously 12-3-2019) due to Oshkosh site plan review delays, RFI #9 and more recently weather
- Construction: \$1,315,010 original contract amount, +4,317 in Change Orders (Change Order #1, 2 & 3); \$290,018 spent to date (Pay Request #1, 2 & 3); Balance to complete \$1,029,309
- Architect (Martin Riley): original contract \$157,750; spent to date \$123,665; balance remaining \$34,085
- Engineer (Foth Stormwater): amount spent May through August \$58,100; Foth credit proposed \$9,500 (rework items and staff transition); revised amount \$48,600
- Total Project Budget = \$1.6 million for Construction & Architect; Current Estimate \$1.5 million for Construction & Architect and Additional Engineer; Balance of ~\$100,000 for furniture and other project overages (more detailed update at future SWMB meeting)
- Office furniture update – Estimate for entire office is ~\$100,000 (will bring to SWMB at future meeting to approve)

Discussion ensued amongst the SWMB.

No action taken at this time.

7. Discussion/Action – Potential PFAS/PFOS Impacts to Wisconsin's Solid Waste Industry: S. Beine presented the PFAS – An Emerging Concern for Solid Waste Facilities to the SWMB as follows:

Per- and Polyfluoroalkyl Substances (PFAS):

- Family of 4000+ manmade chemicals
- Invented in 1930's; in use since 1940's
- Unique chemistry yields unique physical properties: oil-, stain- and water-repellent, temperature resistant, flame-retardant, reduces friction, and is "ever-lasting"

Potential Health Impacts:

- Widely studied for several compounds, but limited research for others
- PFAS exposure may cause:
  - Growth, learning and behavior effects in infants and older children
  - Decreased female fertility, increased blood pressure in pregnant women, birth defects and increased testicular cancer
  - Increase cholesterol levels, abnormal fat metabolism and cause liver damage
  - Immune system impacts
  - Increased risk of cancer

Environmental Fate and Transport:

- Act as a surfactant – accumulate on water surfaces and move far

- Mobile – move fast and generate larger plumes
- Degrade to more harmful compounds
- Bioaccumulate and biomagnify

Regulations and Drivers:

- 2016 - EPA established a Health Advisory Limit (HAL) of 70 ppt for PFOA and PFOS in drinking water
- February 2019 – EPA Announces “PFAS Action Plan:”
  - Propose national drinking water standard (MCL)
  - List PFOA and PFOS as hazardous substances
  - Propose nation-wide drinking water monitoring for PFAS
  - Funding research

Minnesota:

- Solid waste facilities have been sampling PFAS compounds in leachate (treated ponds) and in groundwater/soil (land application sites) for the past ~10 years
- 100’s – 1000’s ppt in leachate
  - Confirming what was suspected – PFAS in waste stream are being detected at minimal to moderate concentrations in landfill leachate
- Minimal concentrations in groundwater and soil at land application sites

Wisconsin:

- Several PFAS bills have been introduced but none have received hearings to date
- WDNR established Technical Advisory Group for PFAS; includes wastewater and solid waste subgroups
  - WDNR sent out letters to 125 Wastewater Treatment Plants to voluntarily sample for PFOA/PFOS
- DHS recommended groundwater standard of 20 ppt for two PFAS compounds

What Does the Future Hold:

- In the next 2-3 years, EPA will identify PFAS treatment technologies and MCLs
- Policy decisions will follow, likely including NPDES
  - May prompt wastewater treatment plant upgrades
  - May result in pretreatment requirements
  - Possible cost increases to users

Discussion ensued amongst the SWMB.

No action taken at this time.

8. Discussion/Action – Deer Carcass Acceptance Policy: K. Pernsteiner presented the Deer Carcass Acceptance Policy to the SWMB as follows:

2018 Deer Carcass Pilot Program:

- We disposed of 1.73 tons of deer carcasses
- We collected 32 deer carcasses

- Cost totaled \$539.35 for the pilot program; cost included dumpster placement, liners, dumping charges and fuel surcharges
- Van's Waste was used for placement and management of the dumpsters in 2018

2019 Deer Carcass Acceptance Policy:

- A 20 yard lined dumpster will be placed next to the loading ramps for carcass disposal
- Scale Associates will record deer carcass count on a spreadsheet daily
- Solid Waste Equipment Operators will use the hook truck to empty the dumpster as needed
- Weights of the dumpster will be tracked each time it is emptied
- Winnebago County Solid Waste (WCSW) Department is listed on the WI Department of Natural Resources (WDNR) website as a collection facility for deer carcasses
- WCSW will be responsible for working with WDNR to advertise this service

Discussion ensued amongst the SWMB.

Motion made by P. Eisen and seconded by D. Albrecht to accept deer carcasses from Winnebago County residents for disposal at no charge. Motion carried 7-0.

9. Discussion – Landfill Gas Operations Report: Z. Moureau presented the SWMB with the following Landfill Gas (LFG) Operations Report:

Landfill Gas Operations – October 14, 2019			Meter Op. Hours	One- Week Runtime
Engine #2	Running at 910 KW		61728	93
Engine #3	Down	New generator to arrive beginning of November	32999	0
Engine #4	Running at 1030 KW		9206	156
Engine #5	Running at 1400 KW		28261	133
Sunnyview Compressor	Compressor B running at 69%. Pipeline outflow 1,119 scfm.			
Sunnyview Flare	Flare – Off; Vacuum = -16'' wc; Blower 103 and 104 on; 105 – off			
Sunnyview Gas Field	CH4 = 50.6% O2 = 2.0%			
Snell Rd Flare	Flare – On; Flow = 100 scfm; Vacuum = -16.0'' wc			
Snell Rd Gas Field	CH4 = 41.7% O2 = 4.2%			
Miscellaneous	Measure & record spark plug firing voltages on all engines. Remove and			

	replace all spark plugs out of specs. Clean and regap spark plugs removed from engines.
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- Energy revenue from September (\$172,342) is down from August (\$177,737) mainly due to engine issues throughout the month and scheduled WPS system maintenance. Engine #5 was down in the beginning of the month due to cooling system issues and Engine #3 went down in the middle of the month due to generator failure. A new generator for Engine #3 has been ordered and is scheduled to arrive the first week of November. We are still on track to meet or exceed our budgeted revenue of \$1.8 Million.
- We currently have Engines #2, #4, and #5 running at full load with planned shutdown of Engine #2 overnight.
- October LFG Monitoring is scheduled to be completed next week.
- The WDNR performed an Air Compliance Inspection on October 8, 2019. WDNR requested additional information regarding maintenance of engine generators and oil change frequency. This information has been provided. Initial inspection findings did not indicate any non-compliance issues but the inspection report will not be issued until later this week.
- The construction air permit has been issued for the new engine (Engine #2R). Electrical installation work is to start late this week and the engine is scheduled to arrive on November 11, 2019. Unit is planned to be fully operational by the end of December.

Discussion ensued amongst the SWMB.

10. Future Agenda Items: None at this time.

11. Set Next Meeting Date: The next SWMB meeting date is scheduled for November 6, 2019 at 9:00 a.m. (Highway Department location).

12. Adjournment: Motion to adjourn made by J. Finch and seconded by D. Albrecht. Motion carried 7-0. Meeting was adjourned at 10:10 a.m.

Respectfully Submitted,

Cassie Stadtmueller  
Administrative Associate

**Approved by SWMB – November 6, 2019**