

Solid Waste Interested Parties Meeting

Tuesday, March 15, 2016

1:00 PM – 3:00 PM



Agenda

- **Welcome**
- **Waste and Materials Management Program Updates**
- **Storm Water Discharge Permit Coverage at Solid Waste Landfills Guidance**
- **Shredder Fluff Sampling**
- **Updates on the Waste and Material Management Landfill Fee Account**
- **Questions and Closing**

Waste and Materials Management Program Updates

Ann Coakley, Brad Wolbert, Jim
Zellmer, Bob Grefe

Staffing

- 10 of 75 positions currently vacant.
- 3+ retirements expected in 2016.
- Under recruitment:
 - Waste Diversion Coordinator
 - Waste and Materials Management Specialists (2)
 - WMM Field Supervisor
- Newly established Nonlandfill Solid Waste and Recycling Facility workgroup.

Program Evaluation

- Repeat of 2009 program evaluation.
- Detailed look at work:
 - Required by law.
 - Required to maintain funding.
 - Required to protect human health and the environment.
- Started just prior to agency alignment analysis.
 - Will dovetail with alignment efforts.
- One end result will be specialization of work.

Agency Alignment

- The agency is conducting a core work analysis.
- Goals of the core work analysis:
 - Describe
 - Prioritize
 - Align
- The agency is currently seeking public comment through a series of roundtables.
- Alignment work expected to be implemented by July 1, 2016.

Legislative Update

- AB 730/SB 601 – Pre-emption of local authority on auxiliary containers
- AB 515/SB 340 – Restoration of local recycling grant funding
- SB 621 – Modifications to electronics recycling law

WMMP Study Group

- Formed to provide advice and feedback on solid waste policy and technical issues
- Doesn't replace SWIP
- First meeting held Feb 15, 2016
- Next meeting: Stevens Point on April 14
- Check us out:
<http://dnr.wi.gov/topic/waste/studygroup.html>

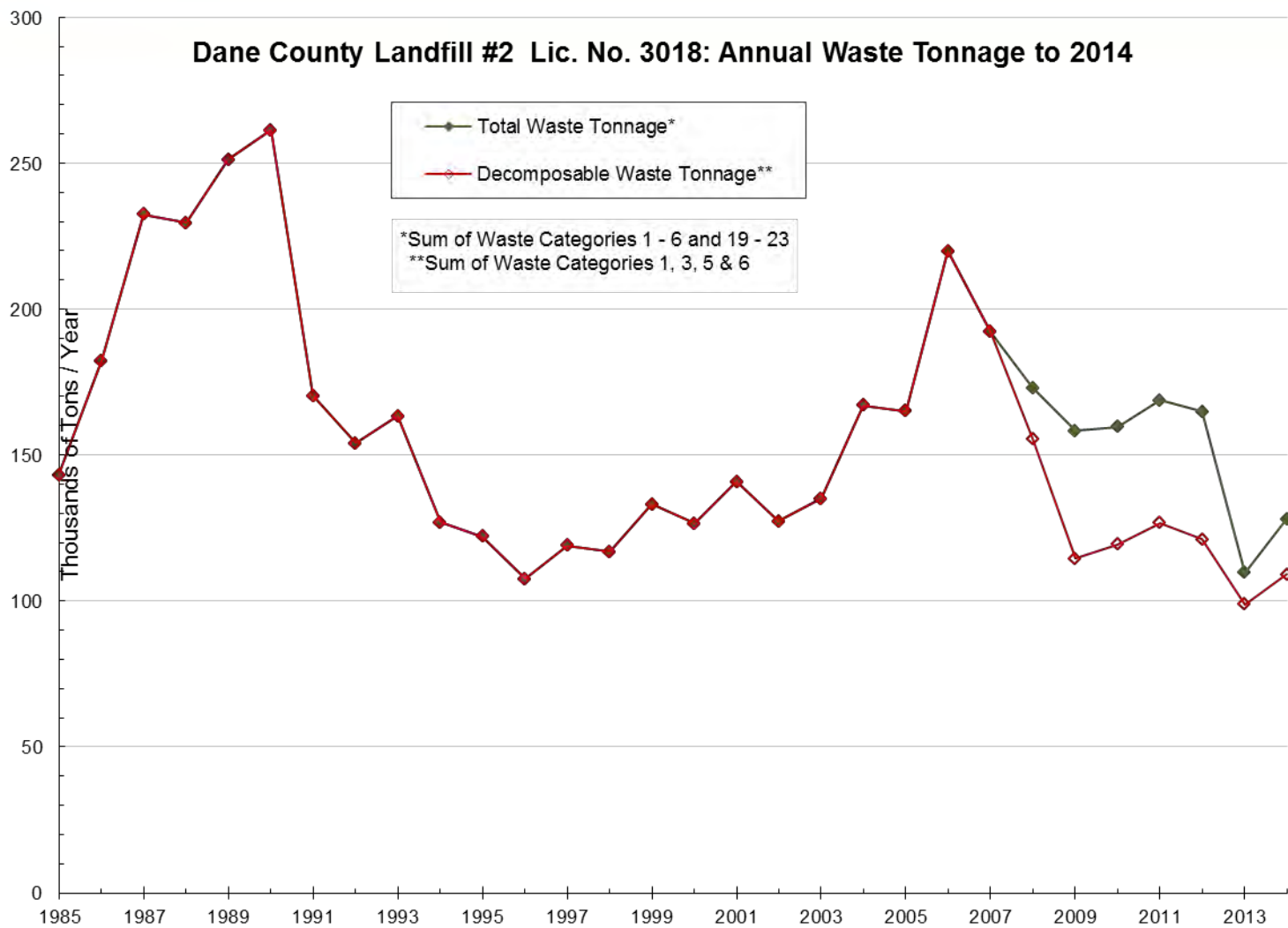
Contaminated Soil & Sediment Advisory Groups

- Formed to provide advice and feedback
- First meeting held May 2015
- Contaminated soil priorities
 - Define “clean” soil
 - Tracking movement and disposal
- Contaminated sediments priorities
 - Maintenance vs remedial dredge (authority)
 - Sediment vs soil
 - Characterization and disposal alternatives

Landfill Gas Curves

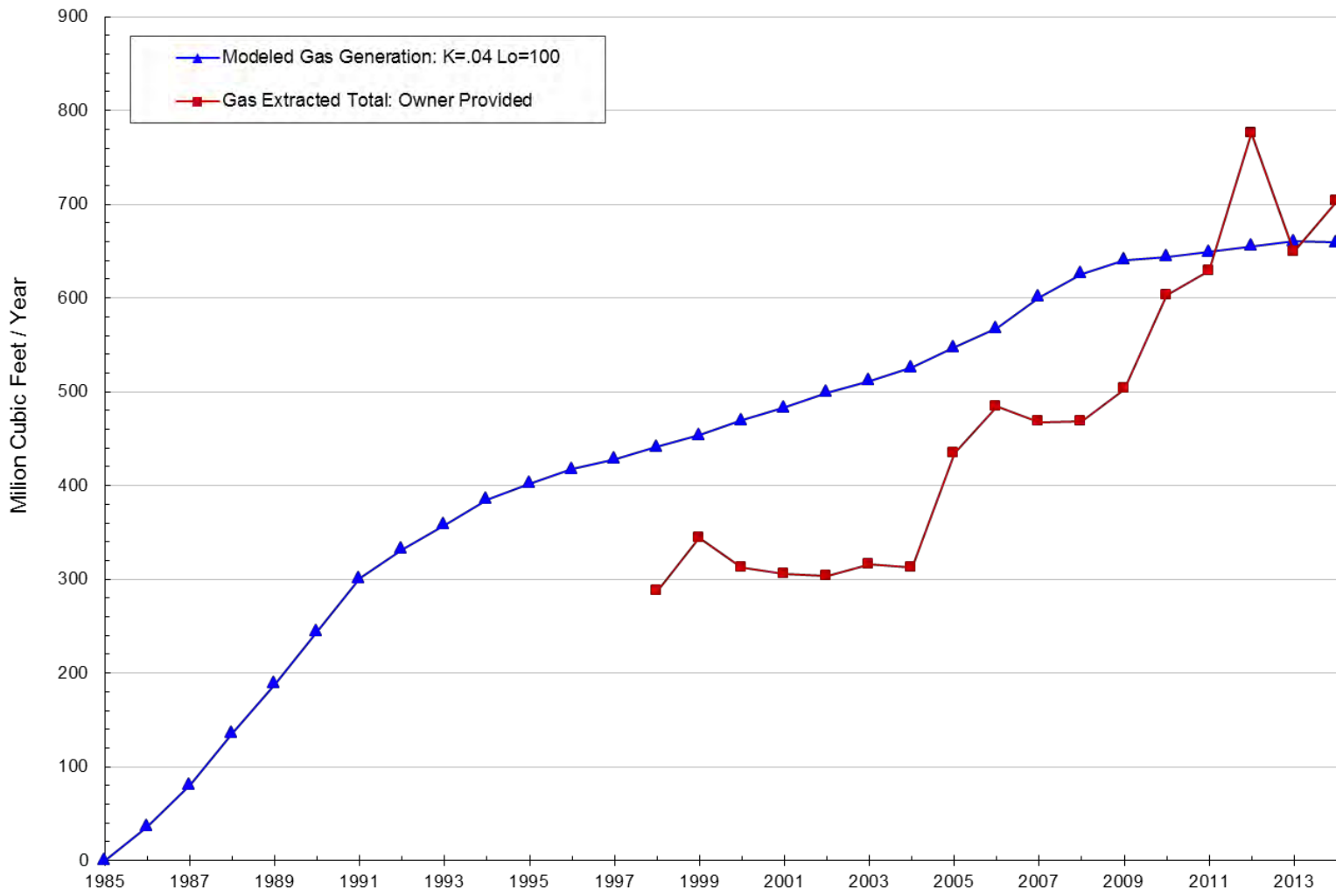
- Comparison of theoretical gas generation predicted by EPA's LandGEM model for individual landfills with actual gas volumes calculated from individual landfill gas collection data
- Curves recently updated through 2014 for publication on DNR website
- Several caveats about the data will also be included, as in the past

Dane County Landfill #2 Lic. No. 3018: Annual Waste Tonnage to 2014



◆ Total Waste Tonnage*
 ◆ Decomposable Waste Tonnage**
 *Sum of Waste Categories 1 - 6 and 19 - 23
 **Sum of Waste Categories 1, 3, 5 & 6

**Dane County Landfill #2 Lic. No. 3018: Modeled
 Landfill Gas Generation and Measured Extraction to 2014**



RCRA Sub D RD&D Rule Changes

- RCRA Sub D research, development & demonstration (RD&D)
 - S. 258.4, RCRA Sub D rules, published 3/22/04
 - Allows relief from 40 CFR 258 rule restrictions on free liquids disposal, alternative final cover designs, surface water flow into waste area
 - Several States authorized by Regions to approve RD&D plans
 - 3 year approval periods, 3 extensions, reporting of data to support future rule-making
- Industry concerns with 12 year limit, especially for alt cover usage
- EPA plan to make some changes final
 - EPA workgroup at EPA Headquarters
 - Draft rule published in Federal Register on Nov. 13, 2015
 - <https://www.gpo.gov/fdsys/pkg/FR-2015-11-13/pdf/2015-28666.pdf>
- States can apply to be authorized by EPA to approve RD&D plans

RD&D rule proposed change

- Only substantive change is change number of extensions from 3 to 6
 - Total time extended from 12 years to 21 years
- EPA may request comment on future plan to make the current RD&D items permanent in Part 258 MSW landfill rules
- Only a few States received RD&D authorization so far, others interested
- Supporting considerations for increasing # of extensions
 - Major purpose initially was to encourage feedback from bioreactor landfill trials
 - Perception of lack enough time to see results from projects currently approved
 - No major physical failures yet that can be blamed on allowing leachate recirculation or use of free liquids
 - Continuing research support for enhanced waste decomposition by bioreactor operations

Risk-Based PCB Remediation Waste Disposal Approvals for USWAG Utilities & NRECA Co-op Groups

Questions?

Storm Water Permit Guidance Questions

Joe Lourigan, Jim Bertolacini, Suzan
Limberg

Who does the guidance affect?

- All active landfills will be required to obtain coverage under the General Tier 2 Industrial Storm Water Permit.
- Includes small and intermediate size construction and demolition landfills
- Includes non-commercial soil borrow sites for landfills
- Closed landfills do not need to obtain coverage under the General Tier 2 Industrial Storm Water Permit, but will be required to obtain coverage under the General Construction Site Storm Water Permit if there is 1-acre or more of land disturbance for post-closure work.
- Does not include other solid waste or recycling facilities, such as transfer stations

What is the anticipated time-frame by which landfills will be expected to submit a storm water permit application?

- Landfills will be notified by the Department to apply for coverage under the General Tier 2 Industrial Storm Water Permit after the guidance goes into effect.
- The notification will explain the timeframes by which landfills will be required to comply with the storm water permit regulations. The General Tier 2 Industrial Storm Water Permit expires on April 30, 2016, and is currently in the process of being reissued (The public comment period ended on March 14.)

Will active landfills need to redesign their storm water features?

- No, not unless there are significant deficiencies. They may need to if they are going through the siting process for an expansion.
- The General Tier 2 Industrial Storm Water Permit will cover “cradle to grave” work related to landfill construction and operation during the lifetime of the landfill. This includes excavation to sub-base grades, liner construction, final cover construction, support berm construction and intermediate cover placement, as well as day-to-day operation.
- Areas where leachate is collected and treated are not covered by the General Tier 2 Industrial Storm Water Permit. Coverage under the General Construction Site Storm Water Permit may be needed for ancillary construction such as roads, ditches, parking lots, buildings, pipe trench work, non-landfill soil berms etc.
- The storm water management requirements of s. NR 504.09 (1) (a) through (d) and (f) through (j) are still in effect.

Will the storm water permit affect a landfill's existing storm water management practices contained in its plan of operation approval, such as storm water inspections?

- Generally not, the general permit already includes the required NR 216 inspections.

Who can help answer questions?

The Department is in the early stages of implementing this policy change.

Storm water questions can go to:

Jim Bertolacini

Storm Water Program Coordinator

Jim.Bertolacini@Wisconsin.gov

(608) 264-8971

Solid waste related questions can go to:

Joe Lourigan

Hydrogeology-Plan Review Expert

Joseph.Lourigan@Wisconsin.gov

(608) 267-9386

Bob Grefe

Engineer-Plan Review Expert

Robert.Grefe@Wisconsin.gov

(608) 266-2178

Auto Shredder Fluff Sampling

Jim Zellmer, Deputy Director
Waste & Materials Management Program

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Background on Shredder Fluff in WI

What is shredder fluff?

- Nonmetallic material remaining after removal of metal from auto shredding process
- Consists mainly of glass, fiber, rubber, automobile liquids, plastics, foam and dirt
- Non-hazardous
- PCB bulk product under TSCA



Shredder Fluff Production and Disposal in WI

- Approximately 10 auto shredders in WI
- Approximately 10 MSW landfills accepting shredder fluff
 - About 225,000 tons per year
 - Accepted from both in-state and out-of-state processors
- Landfill Disposal
 - Mainly used as alternate daily cover
 - Use as ADC mandated by law and rule

Shredder Fluff Sampling Procedure

- Challenge collecting representative samples
- Sampling procedure developed in mid-90's
- Based on EPA incinerator ash sampling guidance
- Specified by condition of approval or approved special waste management
- Minor modifications over the years

Shredder Fluff Sampling Procedure

Procedure includes:

- Semi-annual sampling
- 10 samples over 5 day sampling period
- Use of rolling average
- TLCP analysis for lead, cadmium, mercury & total PCBs
- Analysis for PCB water leach test (annually)

Future of Shredder Fluff Sampling

- Current issue:
 - Stockpiling while awaiting analyses
- Proposed revision:
 - 10 samples over 1-day (10-hr)
- Based on:
 - Consistent supply and operation
 - Long-term sampling history

Questions?

Solid Waste Program Revenue Update

Colleen Storck

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SOLID WASTE FEES

Revenue/Expenditure Comparison FY14/FY15

	FY14 Totals	FY15 Totals	Difference between FY15 and FY14
Revenue			
SW-Landfill License Surcharge	\$1,006,072	\$990,357	-\$15,715
	(6.7 Mil Tons)	(6.6 Mil Tons)	(-100,000 Tons)
SW-Landfill License Fee	\$683,875	\$524,071	-\$159,804
SW-Coll. & Trans. License Fee	\$435,109	\$364,819	-\$70,290
SW-Non-landfill License Fee	\$157,450	\$119,900	-\$37,550
SW-Plan Review Fee	\$390,615	\$367,710	-\$22,905
Other Env./Conserv. Fees (LF Oper/Mgr Cert. Fees)	\$25,450	\$24,400	-\$1,050
Copying Sales/Publication/Printing	\$458	\$394	-\$64
Revenue Totals	\$2,699,028	\$2,391,651	-\$307,377
Expenditures	\$2,578,615	\$2,132,062	-\$446,553

Waste Management Program Revenue Account Balances & Projections

	Opening Balance	FY15 Actuals \$502,571	FY16 Estimate \$174,826	FY17 Estimate \$259,843
Revenues				
SW disposal other licenses		\$119,900	\$126,000	\$126,000
SW C&T licenses		\$364,819	\$390,000	\$390,000
SW landfill licenses		\$524,071	\$540,000	\$540,000
SW landfill licenses surcharge		\$990,357	\$1,000,000	\$1,000,000
SW plan review fees		\$367,710	\$350,000	\$350,000
HW facilities licenses		\$99,200	\$67,000	\$67,000
HW transporter licenses		\$79,868	\$83,000	\$83,000
HW plan review fees		\$4,000	\$18,000	\$8,000
HW manifest fee		\$136,848	\$115,000	\$115,000
SW Facility Oper/Mgr Cert Fees		\$24,400	\$25,000	\$25,000
Misc Revenue (Infect & Medical Waste/Copying Sales/Publication/Printing)		\$4,414	\$70,000	\$35,000
Total Revenue		\$2,715,587	\$2,784,000	\$2,739,000
Total Available		\$3,218,158	\$2,958,826	\$2,998,843
Total Expenditures		\$2,558,432	\$2,671,683	\$2,703,912
General Fund Lapse		\$484,900	\$27,300	\$27,300
Total Expenditures & Budget Lapses		\$3,043,332	\$2,698,983	\$2,731,212
Closing Balance		\$174,826	\$259,843	\$267,631
		FY15	FY16	FY17

20% Cap Issue – NR 520.04 (1)(d)5

If, for 3 consecutive fiscal years the PR account balance is > 20% of the expenditure level, the DNR must propose rule revisions to lower the landfill license fee surcharge.

20% Cap Table

Fiscal Year	Expenditure Level	20% Cap	Ending Balance	
FY14	\$2,576,300	\$515,260	\$502,571	Actual
FY15	\$2,576,300	\$515,260	\$174,826	Actual
FY16	\$2,576,300	\$515,260	\$259,843	Projected

Questions?

Thanks for participating

The PowerPoint will be posted on the Solid Waste
Interested Parties webpage

dnr.wi.gov search “swip”