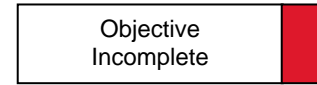
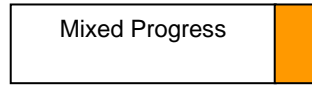
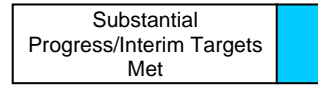
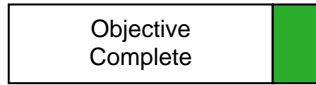


# AIR & WASTE DIVISION PERFORMANCE MEASURES REPORT FOR 2007

## Wisconsin Department of Natural Resources



### Protecting Public Health and the Environment

Goal: By 2012, reduce health risk due to air pollution by 50%			
Environmental Outcomes	Objectives	Actual Performance	
<p>1. From a 2002 base year, by 2012, reduce the number of deaths, hospitalizations, asthma attacks, and lost school and work days in the state (based on a US Environmental Protection Agency (EPA) model) associated with exposure to ground-level ozone, and fine-particles by 50%.</p> <p>2. From a 2002 base year, by 2012, reduce the cost of illness in the state (based on an EPA model) associated with exposure to ground-level ozone, and fine-particles by 50%.</p> <p>3. From a 2002 base year, by 2012, reduce by 50% the population in the state that is subjected to a cancer risk of greater than 1 in 1,000,000 due to exposure to airborne carcinogens based on an EPA model from stationary sources listed on the air emissions inventory.</p>	By December 2006, have baseline health data in place and establish methods for modeling and compliance.	The modeling methods have been firmly established, but the loss of key personnel and some computer programming problems have put the effort behind schedule.	
	By April 2007, submit Clean Air Interstate Rule state implementation plan package to EPA.	Completed – EPA has approved Wisconsin’s CAIR rule.	
	Evaluate non-attainment status and proceed with appropriate SIP revision by September 2007.	There are still ozone nonattainment areas in Eastern Wisconsin. We are in the process of developing the SIP revision to address the problem.	

**Goal: By 2015, 1500 Wisconsin businesses (approximately 1% of all Wisconsin businesses) will have environmental management systems that deliver documented superior environmental performance**

Environmental Outcomes	Objectives	Actual Performance
1. The number of facilities enrolled (by participants, agreements, contracts and charters) in performance-based programs.	Accomplish a 10% annual increase in the existence of environmental management systems being used by Wisconsin businesses.	Actual annual increase in the most recent reporting year (2006) was 109% increase.
2. The number and type of environmental management systems.		
3. Comparative environmental performance metrics for air emissions and waste generated on a statewide basis.	By July 1, 2007, 100% of contracts, charters and Tier 1 participants' objectives reflect direction supplied by Green Tier Advisors.	Agreements address the identified target areas from the Advisors
4. Additional performance metrics for superior environmental performance goals to be designed and implemented based upon advice from the Green Tier Advisors (as specified in 299.83 WisStats).		

**Goal: By 2015, reduce the release of fugitive gas emissions from active Municipal Solid Waste Landfills by 50%**

Environmental Outcomes	Objectives	Actual Performance
1. Increase the number of landfills in "substantial compliance" with requirements for landfill phase development and closure; gas system installation; active gas extraction system operation; and approved landfill gas treatment system operation	Complete guidance document that covers: <ul style="list-style-type: none"> <li>• how and when to perform routine and detailed landfill gas related inspections and follow up;</li> <li>• how and when to review GEMS LF gas extraction system data and to follow up;</li> <li>• how and when to coordinate with Air Management staff on inspections and GEMS data review and on follow-up actions;</li> </ul>	Currently working on second draft of guidance that addresses all areas listed. Completion of guidance anticipated in first quarter of calendar 2008.
2. Decrease the amount of fugitive gas released from landfills through evaluation of gas data and modeling (Base Year 2004)	<ul style="list-style-type: none"> <li>• plan review related considerations and recommended conditions of approval; and</li> <li>• instructions for regional managers to run reports from the FIST system in order for them</li> </ul>	

	to determine the status of landfills in their regions with respect to compliance with the 4 questions on the general landfill inspection form.		
	<ul style="list-style-type: none"> <li>Implement guidance, provide staff training as needed, and assess proper utilization of guidance.</li> </ul>	See comment above.	
	<ul style="list-style-type: none"> <li>Run models of calendar year 2006 and 2007 landfill gas data for landfills in all regions and post on the web.</li> <li>Develop summary and narrative of results of landfill gas model results for calendar year 2006 and 2007 and post on web</li> </ul>	Model was run for all active MSW landfills for 2006. Summary table and internet narrative completed as well. 2007 data scheduled for completion in mid-2008 as per plan. 2005 fugitive landfill gas emissions calculated as 20% lower than 2004, and 2006 fugitive emissions 27% lower than 2005. These results significantly exceed the 15% annual reduction target initially set.	

Goal: By 2015, reduce public exposure to toxins from illegal open burning by 50%			
Environmental Outcomes	Objectives	Actual Performance	
1. Reduce number of open burning complaints received by at least 5% annually  2. Increase number of local ordinances adopted to control open burning	Track all open burning complaints received, and take and track follow-up actions as appropriate.	All open burning complaints and appropriate follow-up were tracked electronically. Numbers will be evaluated at end of 2008, using 2006 as base year, to determine percent reduction in open burning complaints.	
	Regions may select initiative to focus on reduction of open burning in their region. <ul style="list-style-type: none"> <li>NOR – NOR Forestry, Law Enforcement, Waste and Air Managers, supervisors and staff will work collaboratively to reduce the open burning of illegal materials in NOR using education, enforcement, and external partnership building.</li> </ul>	NOR—NOR Forestry, LE, Waste, Air, and Water staff have met three times to work on the regional goal to reduce open burning of illegal materials in NOR. Work completed to date: To promote ease in locating regional program counterparts, county contacts for NOR Air, Waste, and LE staff were	

	<ul style="list-style-type: none"> <li>• SCR – Develop and man an Open Burning Display at Farm Technology Days in September 2007. The display will focus on communicating the adverse health impacts of open burning and the use of burn barrels to members of farm families.</li> <li>• SER – Work with Waukesha County, City of Brookfield and City of New Berlin on leaf burning issues.</li> </ul>	<p>added under the subject “open burning” on the intranet at:  <a href="http://intranet.dnr.state.wi.us/staffdir/SearchSubj.asp">http://intranet.dnr.state.wi.us/staffdir/SearchSubj.asp</a>  To aid the public, county contacts are available under “open burning” at the internet site:  <a href="http://dnr.wi.gov/staffdir/SearchSubjListing.asp">http://dnr.wi.gov/staffdir/SearchSubjListing.asp</a> The group is also working on external outreach, partnerships, and education, although the group is awaiting the outcome of the SB 284 to finalize outreach. The group has also started work on a regional protocol for responding to open burning complaints. The group will continue to work through the fiscal year, and probably into the next.</p> <ul style="list-style-type: none"> <li>▪ SCR open burning initiative was implemented and completed. The target audience of rural land owners (exurban and farm communities) were generally receptive to the message and didn’t seem to previously have considered the health effects of a “traditional” practice.</li> <li>▪ SER - Waukesha County is operating a composting facility for the entire county. This includes Brookfield and New Berlin. SER has supported the County’s efforts to contact and educate their residents.</li> </ul>
	<p>Support department-wide open-burning citation authority effort.</p>	<p>The Senate Environment and Natural Resources Committee held a hearing on SB 284, the open burning citation bill introduced by Senator Lassa and Rep. Molepske, in December 2007. The department testified in support of the proposal. A number of key organizations representing local governments, conservation and public health interests also testified in favor or registered in support.</p>

**Goal: By 2010, 100% of DNR media programs have defined incentives and programs that enable entities to create flexible, performance-based approaches to achieve the entities' environmental priorities**

Environmental Outcomes	Objectives	Actual Performance
10% of the results achieved in each strategic program goal is from performance beyond regulatory minimums.	By January 30, 2007, introduce environmental priorities to each sector currently managed by the CEA program and have goals in place (depending upon sector capacity) by July 1, 2007.	Beyond compliance agreements and commitments have been developed to include provisions on open burning and modified permitting. Work is underway on landfills, innovative waste management and new approaches to permitting. Discussions have been held on remediation and redevelopment recognition possibilities.

**Goal: Remediation & redevelopment actions are protective of public health, the environment and local development needs**

Environmental Outcomes	Objectives	Actual Performance
1. Numbers of site closures, state funded responses, and federal removal actions. (Annual)	1. a. Issue 300 closures per year. b. Initiate 50 state funded response contracts annually. c. Initiate 2 federal removal actions annually.	1. a. Achieved 510 closures. b. Initiated 52 state funded response contracts. c. Initiated 2 federal removal actions.
2. Percent of sites brought back into compliance via institutional control audits. (Annual)	2. By December 31, 2007, develop a FY04 through FY07 baseline on the percent of sites brought back into compliance via institutional control audits.	2. The objective will be to bring back 100% of those found to be out of compliance. Of 171 sites audited, 11% were out of compliance and 95% have been brought back into compliance by audit follow up.
3. Decreased populations exposed to cancer risk through site cleanups associated with contaminated municipal wells, contamination in or near private wells, and direct soil contact with contaminants. (Annual)	3. a. By September 30, 2007, develop a FY07 baseline of the decreased population exposed to cancer risk due to completed site cleanups associated with contaminated private wells or contamination within 100 feet of private wells. b. By September 30, 2007, develop a FY07 baseline of the decreased population exposed	3. a. Initial baseline established at 200 people per year. b. Initial baseline established at 1,000 people per year.

	<p>to cancer risk due to completed site cleanups associated with contaminated municipal wells.</p> <p>c. By September 30, 2007, develop a FY07 baseline of the decreased populations exposed to cancer risk through direct soil contact due to the following types of completed site cleanups: (1) contaminant removal and (2) institutional controls.</p>	<p>c. Initial baseline established at 1,000 people per year.</p> <p>* Please note these initial baselines will be further refined in 2008.</p>
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## Providing Excellent Customer Service

Goal: By 2008, 90% of facilities receiving an air permit rate the experience as good or excellent		
Customer Service Outcomes	Objectives	Actual Performance
<p>The percentage of respondents that rate Air Management's permitting program as good or excellent in five categories: responsiveness, efficiency, timeliness, effectiveness and consistency.</p>	<p>By January 2007, create an on-line emissions reporting program for air and hazardous waste to replace the previous desktop application.</p>	<p>Completed. We will be in the second year of this program when we send out information on January 11, 2008.</p>
	<p>Develop an integrated database for stationary source information by June 2007.</p>	<p>The total integration of the Permits, Compliance, and Emission Inventory databases will be completed by June 30, 2008. Actual work on integrating the databases started on June 2007. We had some delays because of the delay in the annual budget.</p>
	<p>By July 2007, integrate APII into the Air Management Program.</p>	<p>All of the new types of permits, processes and procedures developed under APII have been successfully implemented and are being used by Air Management Program staff.</p> <p>Evaluation of, and refinements to, these efforts will occur as part of normal air program operations.</p>

	<p>By October 2007, survey 100% of permit recipients who have received some type of permit (traditional permit, exemption response, registration or general permit, etc.).</p>	<p>Not Completed - We decided not to survey recipients at this time because the IT system is still under development and we did not believe that the information gained from a survey now would be of sufficient value to warrant the cost in \$ and time.</p> <p>We propose, instead, to conduct a follow up survey to the one we did pre-APII by July 2010 – this would provide us with 1 ½ years experience with the automated permit system.</p>
	<p>By December 2007, train permit writers to implement tools developed to improve efficiency and effectiveness.</p>	<p>Permit writers were trained on how to use the new registration, general and integrated permits processes in 2007. Training sessions were held in each Region; follow up discussion and clarification are standard part of monthly conference calls for the permit staff.</p> <p>New information technology software applications under development are scheduled to be rolled out mid-2008. Comprehensive staff training (hands-on, video tutorials, topic specific help) are included as part of the roll out plan.</p>

<p>Goal: The Division is responsive to cleanup of environmental contamination and to those who need to use contaminated properties</p>		
Customer Service Outcomes	Objectives	Actual Performance
<p>1. Numbers of Waste Registry screenings completed and new sites added to Remediation &amp; Redevelopment Tracking System (BRRTS). (Annual)</p>	<p>1. a. Add 200 new sites per year to BRRTS. b. Complete 250 Waste Registry screenings per year.</p>	<p>1. a. Added 348 new sites to BRRTS. b. Completed 449 Waste Registry Screenings.</p>

<p>2. Number of emergency responses initiated. (Annual)</p> <p>3. Numbers of NR 708 no further actions and follow-ups on old dog sites. Percent of total open sites with RP action in the last 2 years. Timeliness of review of technical and redevelopment assistance documents.</p> <p>4. Time it takes to make grant awards and grant reimbursements. (Annual)</p>	<p>2. Respond to 1000 spill notifications annually.</p> <p>3.</p> <p>a. Complete 120 NR 708 no further actions annually.</p> <p>b. By June 30, 2007, develop a 2005 and 2006 baseline of the timeliness of review of the following technical and redevelopment assistance documents—SIRs, closures, assurance letters, and VPLE submittals – for both fee and non-fee situations.</p> <p>c. Complete 150 follow ups per year on old dog sites by sending push letters or taking other actions.</p> <p>d. By June 30, 2007, develop a 2005 and 2006 baseline of the percentage of total open sites with any action taken by RPs within the last 2 years.</p>	<p>2. Responded to 1,000 emergency incidents.</p> <p>3.</p> <p>a. Completed 117 NR 708 No Further Actions.</p> <p>b. An initial baseline for timeliness of review of closure requests has been established at 75 days.</p> <p>c. Achieved follow up on “old dog” cases at 168 sites.</p> <p>d. Baseline established at 50% of total open sites with any action taken by the RP in the last 2 years.</p>
	<p>4.</p> <p>a. Award Site Assessment Grants and Greenspace Grants within 90 days of grant application deadlines.</p> <p>b. Make Site Assessment Grant and Greenspace Grant reimbursements within 30 days after receipt of a complete request.</p>	<p>4.</p> <p>a. Completed 45 Site Assessment Grants and Greenspace awards within 88 days of the application deadline.</p> <p>b. In FY 07, 63 grant reimbursements were made within 6 days from receipt of a complete and accurate reimbursement request.</p>

Goal: By 2009, 95% of waste disposal facilities are in compliance with owner financial responsibility requirements		
Customer Service Outcomes	Objectives	Actual Performance
Financial assurance compliance rate for large landfills, medium landfills, and small landfills.	Large landfills (>5 million cubic yards) are in compliance by July 2006.	Completed file reviews to determine compliance status for all large landfills. Took appropriate follow-up actions with any sites that were out of compliance. All large landfills (27 landfills) were in substantial compliance with financial assurance

		requirements by July 2006, and remain in substantial compliance.	
	Medium landfills (0.5 to 5 million cubic yards) are in compliance by July 2007.	Completed all file reviews to determine compliance status for all medium size landfills. Continue to work on follow-up actions for non-compliance with financial assurance requirements for medium landfills. Currently have an 86% compliance rate for medium landfills.	
	Small landfills (<0.5 million cubic yards) are in compliance by July 2008.	Continue to work on file reviews and follow-up actions for non-compliance with financial assurance requirements for small landfills. Currently have about an 80% compliance rate for small landfills.	

Goal: Increase the public's use of remediation & redevelopment tools			
Customer Service Outcomes	Objectives	Actual Performance	
1. Provide public access to the location and other site-specific information regarding known contamination sites in the state.	Geolocate 1,000 properties per year.	Geolocated 1,595 sites.	
	Add 500 total sites to the GIS Registry per year.	Added 811 total sites to the GIS Registry.	
2. Provide public access to site-specific information regarding sites closed with residual contamination within 60 days of closure.	35,000 web hits to BRRTs property module and GIS Registry of Closed Sites per year.	An estimated 120,000 activity detail pages were viewed this year.	
	4 press articles, 3 brochures, 4 ReNews editions, 25 e-newsletters, 10 other publications, 20 web pages developed or updated per year.	Achieved 8 news releases, 7 new publications, 29 newsletters, 4 new web pages and 88 web pages updated.	
	40 green team meetings, 10 public speaking engagements, and 3 workshops per year.	Over 140 meetings were held in 2007.	

## Growing Wisconsin's Economy

Goal: By 2012, increase the redevelopment of brownfields in Wisconsin's communities by completing brownfield transactions and making acres available for productive use.

Economic Growth Outcomes	Objectives	Actual Performance
1. Complete 200 brownfields-related transactions per year (e.g. exemption and assurance letters, Certificates of Completion, grant awards)	1. a. Issue 150 exemption and assurance letters per year. b. 20 sites enter the Voluntary Party Liability Exemption (VPLE) process; 10-VPLE sites receive Certificates of Completion per year. c. Award 45 Site Assessment Grants and 5 Greenspace Grants per year.	1. a. Achieved 69 redevelopment assistance actions. b. 20 new sites entered the VPLE process and 10 sites were granted Certificates of Completion. c. 47 Site Assessment Grants were issued and 8 Greenspace Grants were issued.
2. Add at least 600 acres of property made available for productive use annually	2. Make 600 acres of property per year available for productive reuse.	2. Created 2,245 acres available for reuse.

Goal: By 2015, increase waste material reuse and recycling by 30%

Economic Growth Outcomes	Objectives	Actual Performance
1. Increase the number of tons of municipal solid waste diverted from landfills by the <b>residential</b> sector through recycling (Base Year 2003)	By December 2007, develop and implement long term vision of waste materials management, recycling and solid waste disposal for Wisconsin.	<ul style="list-style-type: none"> <li>▪ Governor's Task Force on Waste and Materials Management completed in December, 2006.</li> <li>▪ Report provided to Natural Resources Board in April, 2007.</li> <li>▪ One key recommendation (funding to increase business recycling) implemented via the 07-09 biennial budget.</li> <li>▪ Finalized RPFs for contracts with non-profits to increase business recycling, to be posted in spring 2008.</li> </ul>
2. Increase the number of tons of municipal solid waste diverted from landfills by the <b>business</b> sector through recycling (Base Year 2003)		
3. Reduce the tons of Resource Conservation & Recovery Act (RCRA) hazardous waste (HW) generated. (Base Year 2005)		

4. Increase the tons of industrial waste reported for beneficial reuse projects (Base Year 2003)	Increase efficiency of Wisconsin's recycling program.	<ul style="list-style-type: none"> <li>▪ Met with Minnesota Pollution Control Agency (MPCA) in November 2007 to learn more about their recycling program which would serve as a model for a Wisconsin performance based program.</li> <li>• Identified statute and rule revisions needed for the proposed changes.</li> <li>• Identified a legislator who might sponsor statutory and rule changes needed for the proposed changes.</li> </ul>	
	Develop guidance and outreach materials for staff and externals to encourage an increase in appropriate recycling of electronic waste.	Completed new web pages on handling of discarded electronics, trained recycling and hazardous waste staff on use of these resources.	
	By 2010, establish two partnerships to improve material recycling and reuse and one legislative effort to promote producer responsibility.	<ul style="list-style-type: none"> <li>▪ DNR staff worked closely with the AROW Organics Workgroup, EPA Region 5 and other partners to organize the September 2007 Roundtable and Field Demonstration on Using Compost to Improve Stormwater Management and Erosion Control on Roadsides.</li> <li>▪ Initiated rule revision process to address regulatory barriers.</li> <li>▪ Three new facilities were approved to process asphalt shingles, including one hot-mix asphalt facility now approved to process and use ground shingles in asphalt products.</li> <li>▪ Staff have consulted with our counterparts in Minnesota, where asphalt shingle recycling and market development have a ten year track record, and with EPA Region 5, to ensure that Wisconsin shingle processing facilities use current best management practices to exclude asbestos containing materials.</li> <li>▪ The state's capacity to process shingles for recycling increased from about 5,000 tons to 35,000 tons a year during 2007.</li> </ul>	

	<p>Reduce tons of hazardous waste generated, using a 2005 baseline of 179,354 tons generated by 1401 large- and small- quantity generators of hazardous waste.</p>	<p>179,941 tons of hazardous waste was generated by 1347 large- and small-quantity generators in 2006.</p>	
	<p>Increase beneficial use. Develop IT system to track beneficial use data in order to more accurately track how much and what types of industrial wastes are being beneficially reused, rather than disposed of.</p>	<p>Began development of an IT framework to store and access beneficial reuse data. Target date of late 2008 for testing of an operational system.</p>	