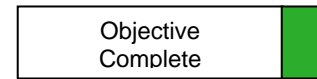
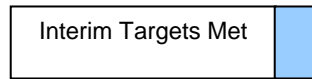
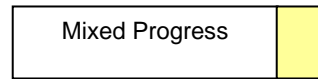
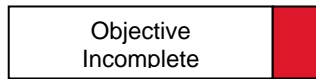


# AIR & WASTE DIVISION PERFORMANCE MEASURES REPORT FOR 2006

## 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
<ol style="list-style-type: none"> <li>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%.</li> <li>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%.</li> <li>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.</li> </ol>	<p>By December 2006, have baseline health data in place and establish methods for modeling and compliance.</p>	<ol style="list-style-type: none"> <li>1.                             <ul style="list-style-type: none"> <li>▪ We have a slight delay in developing the 2002 baseline for health effects due to staff time spent on Clean Air Interstate Rule (CAIR) rulemaking. We expect to have the baseline established in early 2007.</li> <li>▪ We are testing the most recent version of the EPA model used for evaluating health effects from exposure to ozone and fine-particles. We are exploring methods for ground-truthing the EPA model.</li> </ul> </li> <li>2.                             <ul style="list-style-type: none"> <li>▪ We have a slight delay in developing the 2002 baseline for health effects due to staff time spent on CAIR rulemaking. We expect to have the baseline established in early 2007.</li> <li>▪ We are testing the most recent version of the EPA model used for evaluating costs of exposure to air pollutants. We are exploring methods for ground-truthing the EPA model.</li> </ul> </li> </ol>

		<p>3.</p> <ul style="list-style-type: none"> <li>▪ We have established a baseline. Using the RAIMI model, we estimated, in 2002, that 35,562 people in Wisconsin were exposed to a total cancer risk above 1 in 1,000,000 from exposure to hazardous air pollutants.</li> <li>▪ Currently we are processing year 2005 inventory data (this data became available in October 2006) and will be calculating the number of people exposed to cancer risks above 1 in 1,000,000. This will help us gauge our progress.</li> <li>▪ We recently confirmed that one of the largest cancer risks sources in SE Wisconsin has totally eliminated its emissions of carcinogenic trichloroethylene emission and this will show up in the 2007 inventory year. We won't be able to see this improvement until the year 2007 inventory data is finalized (sometime in late 2008) and the analysis (assuming funding support is available) will be completed by spring 2009.</li> <li>▪ In addition, we have met with the UW Madison Applied Population Laboratory, to obtain guidance on methods for population analyses.</li> </ul>	
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<b>Goal: By 2015, 1500 Wisconsin businesses (approximately 1% of all Wisconsin businesses) will have environmental management systems that deliver documented superior environmental performance</b>			
<b>Environmental Outcomes</b>	<b>Objectives</b>	<b>Actual Performance</b>	
<p>1. The number of facilities enrolled (by participants, agreements, contracts and charters) in performance-based programs.</p>	<p>Accomplish a 10% annual increase in the existence of environmental management systems being used by Wisconsin businesses.</p>	<p>For the last year, increase in use of environmental management systems is 5.6%</p>	

<ol style="list-style-type: none"> <li>2. The number and type of environmental management systems.</li> <li>3. Comparative environmental performance metrics for air emissions and waste generated on a statewide basis.</li> <li>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).</li> </ol>	<p>By July 1, 2006, enroll 100 entities in Green Tier (charters, Tier 1 and Tier 2)</p>	<p>At present there are 9 enrolled entities and 3 charters representing 165 entities but actual participation is below projected levels</p>	
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Goal: By 2015, reduce the release of fugitive gas emissions from active Municipal Solid Waste Landfills by 50%			
Environmental Outcomes	Objectives	Actual Performance	
<ol style="list-style-type: none"> <li>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</li> </ol>	<p>Develop inspection procedures, plan review guidance, general guidance to include: what data is to be evaluated; how often it is to be reviewed; how to evaluate it; and what triggers corrective action.</p>	<p>Plan review and landfill inspection guidance was completed and placed on the Waste &amp; Materials Management Program’s intranet Electronic Guidance System in August 2006.</p>	
	<p>Define “substantial non-compliance” as related to the 4 gas-related items.</p>	<p>A guidance document was prepared and distributed to staff which defined “substantial non-compliance”.</p>	
<ol style="list-style-type: none"> <li>2. Decrease the amount of fugitive gas released from landfills through evaluation of gas data and modeling (Base Year 2004)</li> </ol>	<p>Consult with air programs to develop appropriate conditions of approval and review guidance.</p>	<p>A workgroup has been formed consisting of staff from the Waste &amp; Materials Management Program and the Air Management Program to work on streamlining air &amp; solid waste permitting issues related to solid waste landfills. This workgroup is working on guidance scheduled to be completed by April 1, 2007.</p>	

	As a pilot work with South Central Region (SCR) and run model on Municipal Solid Waste (MSW) landfills in region to calculate sum of uncontrolled gas emissions, develop and complete a web page for information and then implement pilot throughout other regions.	Staff evaluated modeled landfill gas generation and measured extraction rate data for active landfills in 3 of our 5 regions (Northern, Northeast and South Central). The evaluation indicates that the amount of landfill gas extracted and treated in 2005 increased by over 20% from 2004 levels and that fugitive gas emissions dropped by 25% from 2004 levels. Staff observed that several landfills upgraded their gas extraction systems during 2005.
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Goal: By 2015, reduce public exposure to toxins from illegal open burning by 50%		
Environmental Outcomes	Objectives	Actual Performance
<ol style="list-style-type: none"> <li>1. Reduce number of open burning complaints received by at least 5% annually</li> <li>2. Increase number of local ordinances adopted to control open burning</li> </ol>	<ol style="list-style-type: none"> <li>1. Track all open burning complaints received, and take and track follow-up actions as appropriate.</li> </ol>	<ol style="list-style-type: none"> <li>1. Complaint tracking – All open burning complaints and appropriate follow-up were tracked electronically. Established 2006 as the base year for tracking reduction in number of open burning complaints received.</li> </ol>
	<ol style="list-style-type: none"> <li>2. Each region selects and evaluates outreach approaches to reduce open burning <ul style="list-style-type: none"> <li>• SER – Work with City of Brookfield on leaf burning issues</li> <li>• WCR – Work with local gov'ts to promote multi-community curbside recycling contracts</li> <li>• NOR – Focus on Bayfield County to promote open burning ordinance adoption</li> <li>• SCR – Partner with local building inspectors in Lafayette County to reduce open burning of construction &amp; demolition waste</li> <li>• NER – Promote open burning ordinances through workshops with counties. Workshops will be combination outreach/information/recycling audits. Also, mentor Recycling Responsible Units to</li> </ul> </li> </ol>	<ol style="list-style-type: none"> <li>2. Open Burning Regional Initiatives <ul style="list-style-type: none"> <li>• In Southeast Region, staff worked with the DNR's air program and the Department of Health and Family Services to monitor air quality in Brookfield during the fall leaf burning season.</li> <li>• In West Central Region, staff promoted multi-community curbside recycling collection contracts. The idea was to reduce open burning by making recycling easier. Staff provided local officials with information on collection contracts and the health impacts of open burning.</li> <li>• In Northern Region, staff worked with six local governments in Bayfield County to raise awareness about the health and</li> </ul> </li> </ol>

	<p>reduce open burning by providing a Burn Barrel Ex change.</p>	<p>environmental impacts of open burning, as part of their recycling program evaluations.</p> <ul style="list-style-type: none"> <li>• In South Central Region, staff worked through the Lafayette County building inspector to distribute over 24 open burning information packets to construction and remodeling businesses. Rural municipalities in Dodge, Columbia, Jefferson, and Sauk counties were the focus for an open burning awareness campaign.</li> <li>• The Northeast Region emphasized partnerships with other DNR programs and local representatives to reduce duplication of effort and maximize enforcement options and outreach activities. Held workshops in Shawano, Calumet, Kewaunee and Green Lake counties.</li> </ul>	
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<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</p>			
Environmental Outcomes	Objectives	Actual Performance	
<p>10% of the results achieved in each strategic program goal is from performance beyond regulatory minimums.</p>	<p>By July 1, 2006 begin implementation of the community mercury reduction manual and start the transition to Water Program management of the process.</p>	<p>Implementation is underway for the community mercury reduction program and work has started with each of the media programs</p>	

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

Environmental Outcomes	Objectives	Actual Performance
<p>1. Numbers of site closures, state funded responses, and federal removal actions. (Annual)</p> <p>2. Percent of sites brought back into compliance via institutional control audits. (Annual)</p> <p>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)</p>	<p>1.</p> <p>a. Issue 350 closures per year.</p> <p>b. By September 30, 2006, develop a FY 2006 baseline of state funded response contracts initiated annually.</p> <p>c. By November 30, 2006, develop a FY 2006 baseline of federal removal actions initiated annually.</p> <p>2. By December 31, 2007, develop a FY 04 through FY 07 baseline on the percent of sites brought back into compliance via institutional control audits.</p>	<p>1.</p> <p>a. Achieved 522 closures.</p> <p>b. Established baseline for state funded response contracts at 50 per year.</p> <p>c. Established baseline for federal removal actions at 2 per year.</p> <p>2. Baseline being developed.</p>
	<p>3.</p> <p>a. By September 30, 2007, develop a FY 2007 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.</p> <p>b. By September 30, 2007, develop a FY 2007 baseline of the decreased population exposed to cancer risk due to completed site cleanups associated with contaminated municipal wells.</p> <p>c. By September 30, 2007, develop a FY 2007 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>3. This baseline is being developed.</p>

## 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
The percentage of respondents that rate Air Management's permitting program as good or excellent in five categories: responsiveness, efficiency, timeliness, effectiveness and consistency.	By 2006, complete baseline survey of Air Management's permitting program.	Baseline survey completed in 2005 based on 2004 permitting experience.

Goal: The Division is responsive to cleanup of environmental contamination and to those who need to use contaminated properties		
Customer Service Outcomes	Objectives	Actual Performance
1. Numbers of Waste Registry screenings completed and new sites added to Remediation & Redevelopment Tracking System (BRRTS). (Annual)	1. a. Add 200 new sites per year to BRRTS. b. Complete 250 Waste Registry screenings per year.	1. a. Added 399 new sites to BRRTS. b. Completed 427 Waste Registry Screenings.
2. Number of emergency responses initiated. (Annual)	2. By November 30, 2006, develop a FY 2006 baseline of emergency responses initiated annually.	2. Established a baseline for emergency responses initiated at 1,020 per year.
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.	3. a. By November 30, 2006, develop a FY 2006 baseline of NR 708 no further actions. 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. c. Complete 150 follow ups per year on old dog sites by sending push letters or taking other actions.	3. a. Established baseline for NR 708 No Further Actions at 120 per year. b. Baseline being developed. c. Achieved follow up on “old dog” cases at 242 sites. d. Baseline being developed.
4. Time it takes to make grant awards and grant reimbursements. (Annual)		

	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.		
	4. a. By November 30, 2006, develop a 2005 baseline for the length of time it takes to award Site Assessment Grants and Greenspace Grants. b. By November 30, 2006, develop a 2005 baseline for the length of time it takes to make Site Assessment Grant and Greenspace Grant reimbursements.	4. a. Baseline established for award of SAG and Greenspace Grant Awards at 90 days from the application deadline. b. Baseline established for grant reimbursements at 30 days from receipt of a complete reimbursement request.	

Goal: By 2009, 95% of waste disposal facilities are in compliance with owner financial responsibility requirements			
Customer Service Outcomes	Objectives	Actual Performance	
1. 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.	
	Medium landfills (0.5 to 5 million cubic yards) are in compliance by July 2007.	Continue to work on file reviews and follow-up actions for non-compliance with financial assurance requirements for medium landfills. Currently have a 90% compliance rate (72 out of 80 landfills in compliance) 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 an 81% compliance rate (42 out of 52 landfills in compliance) for small landfills.	

Goal: Increase the 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 1,804 sites.
	Add 500 total sites to the GIS Registry per year.	Added 798 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	Achieved an estimated 100,000+ web hits per month. Actual counts cannot be obtained at this time due to staff shortages.
	4 press articles, 3 brochures, 4 ReNews editions, 25 e-newsletters, 10 other publications, 20 web pages developed or updated per year	Achieved 5 press releases, 4 ReNews editions, 26 e-newsletters, 14 new publications and 7 new web pages created with 76 pages updated.
	40 green team meetings, 10 public speaking engagements, and 3 workshops per year.	Over 80 meetings were held in 2006, far exceeding the objective of 40.

## 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.	1. a. Achieved 91 redevelopment assistance actions and 4 VPLE exemptions.
2. Add at least 600 acres of property made available for productive use annually	b. 20 sites enter the Voluntary Party Liability Exemption (VPLE) process; 10 VPLE sites receive Certificates of Completion per year.	b. Seven new sites entered the VPLE process and 4 sites were granted Certificates of Completion.
	c. Award 45 Site Assessment Grants and 5 Greenspace Grants per year.	c. Fifty (50) SAG Grants were issued but no Greenspace Grants were issued in the reporting period (7 were awarded after the

		reporting period).	
	2. Make 600 acres of property per year available for productive reuse.	2. Created 1,810 acres (plus 7 sites greater than 100 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 residential sector through recycling (Base Year 2003)	Evaluate and improve Recycling Responsible Unit (RU) compliance with existing recycling requirements	Criteria for assessing compliance and inspection checklists for inspecting RU's was developed and distributed to staff. All RU inspections and associated compliance data are being tracked electronically.	
		Established 2003 Base Year data for amounts of residential and commercial recycling	
2. Increase the number of tons of municipal solid waste diverted from landfills by the business sector through recycling (Base Year 2003)			
3. Decrease the tons of Resource Conservation & Recovery Act (RCRA) hazardous waste (HW) generated and increase the tons of hazardous waste that are reused (Base Year 2003)	Partner with non-profit organization to develop plan to increase business recycling	The Waste & Materials Mgt. Program has contracted with a non-profit organization. Work is on-going with the contractor to develop a plan to increase business recycling.	
	Track and take appropriate follow-up actions for complaints against RUs.	All RU inspections and follow-up actions are being tracked electronically. (Base Year 2006)	
4. Increase the tons of industrial waste reported for beneficial reuse projects (Base Year 2003)	Compile/Develop/Distribute Business Recycling Best Practices to demonstrate the economic value of reuse and recycling	Business Recycling Best Practices have been developed and distributed.	
	Develop mechanisms to track hazardous waste generated, disposed and recycled by HW type	Reports were developed which showed the "Top 10" and all other types of hazardous waste generated in Wisconsin, along with how the wastes were managed (2003 Base Year).	
	Track low hazard exemptions by materials and use and share that information.	Low hazard exemptions are being tracked electronically (Base Year 2006).	

	Work with utilities, foundries, and paper industries to report waste that's been diverted from landfills.	The Waste & Materials Mgt. Program participated in a series of 3 meetings with Dept. of Transportation, EPA, and industrial waste generators to discuss, promote beneficial reuse of industrial wastes, and to develop a "master list" of industrial waste generators.	
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