

**Minnesota PPG Max Workplan (with Three Essential Elements)
OAR (Office of Air and Radiation) [Sec. 105] FFY 2009 – 2012
FFY11 Report with FFY12 Workplan revisions**

Code	Common Template Measures (Essential Element #2)	MPCA Contact	Planned Accomplishments/Commitments (Essential Element #3)	Comments/Status or Progress Report
Goal: 1 CLEAN AIR AND GLOBAL CLIMATE CHANGE (Essential Element #1)				
Objective 1.1: Clean Air and Healthy Outdoor Air: Through 2011, working with partners, protect human health and the environment by attaining and maintaining health-based air quality standards and reducing the risk from toxic air pollutants.				
Sub-objective 1.1.1: By 2015, working with partners, improve air quality for ozone and PM2.5.				
Categorical Grant: State and Local Assistance (CAA Section 105)				
OAQP S N001	Percentage reduction in population-weighted ambient concentration of ozone in all monitored counties from 2003 baseline.	Frank Kohlasch & Rick Strassman/ Edward Delisio-EPA	<ol style="list-style-type: none"> 1. Operate and maintain ambient ozone monitoring network in compliance with 40 CFR Part 58. 2. Recipient attaches copy of template to its Section 105 Work Plan. 3. Review, validate and submit all required data to the Air Quality System (AQS) within 90 days of the end of each calendar quarter. 4. Ensure precision and accuracy data are submitted to the AQS as stipulated in 40 CFR Part 58.35. 5. Submit hourly ozone concentrations data to the USEPA AIRNow program. 6. Certify ozone data via letter as accurate to best of knowledge by May 1 of the following year. 7. Attends meetings and participates on conference calls as time and funding permit. 	<p>As part of its regular performance review, MPCA calculates 1) The percent reduction in overall emissions in Minnesota of pollutants that contribute to ozone formation (volatile organic compounds and nitrogen oxides) (Strategic Performance Review or SPR); and 2) Percent of Valid Air Data Captured by Ambient Monitoring Network (Operational Performance Review or OPR)</p> <p>FFY 2009 Report:</p> <p>1)The MPCA submitted the certification letter for Minnesota’s 2008 air quality data in September 2008. The delay in submitting the certification letter was due to a retirement at the MPCA for the AQS Coordinator and additional data review to meet current quality assurance requirements. The MPCA has updated the certification process for Minnesota data and had submitted a timely certification letter for 2009 air quality data. The certification letter and attachments for Minnesota’s 2008 data are included in separate pdf files named below:</p> <p>“ <i>MN AQ Data Certification Letter – Mike Sandusky Sep 29 2009 – Journal 1794.pdf</i></p>

				<p> <u><i>MN AQ Data Certification Attachment – Sep 29 2009 – amp255.pdf</i></u> <u><i>MN AQ Data Certification Attachment – Sep 29 2009 – amp450.pdf</i></u> <u><i>MN AQ Data Certification Attachment – Sep 29 2009 – amp450nc speciation.pdf</i></u> </p> <p>2) Percent valid data capture from the ambient ozone monitoring network for April 1 through Sept. 30, 2009 was 94%.</p> <p><u>FFY 2010 Report:</u> The MPCA submitted the certification letter for Minnesota’s 2009 air quality data in March 2010. The certification letter and attachments for Minnesota’s 2009 data are included in separate pdf files named below:</p> <p> <u><i>MN AQ Data Certification Letter – dated March 26, 2010 (signed by Mike Sandusky)</i></u> <u><i>MN AQ Data Certification Attachment – March 26, 2010 – amp255-09.pdf</i></u> <u><i>MN AQ Data Certification Attachment – March 26, 2010 – amp450-criteria-09.pdf</i></u> <u><i>MN AQ Data Certification Attachment – March 26, 2010 – amp450nc- speciation-09.pdf</i></u> </p> <p>Percent valid data capture from the ambient ozone monitoring network for April 1 through Sept. 30, 2010 was 98%.</p> <p><u>EPA Comment:</u> MPCA has met these commitments.</p> <p><u>FFY 2011 Report:</u> The MPCA submitted the certification letter and associated documents for Minnesota’s 2010 air quality data on March 1, 2011. The certification letter and attachments for Minnesota’s 2010 data are included in separate pdf files named below:</p>
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OAQPS N002	Percentage reduction in population-weighted ambient concentration of fine particulate matter (PM2.5) in all monitored counties from 2003 baseline.	Frank Kohlasch & Rick Strassman/Edward Delisio-EPA	1. Operate and maintain ambient PM2.5 monitoring network in compliance with 40 CFR Part 58. 2. Recipient attaches copy of template to its Section 105 Work Plan. 3. Review, validate and submit all required data to the Air Quality System (AQS) within 90 days of the end of each calendar quarter.	As part of its regular performance review, MPCA calculates 1) The percent reduction in overall emissions in Minnesota of sulfur dioxide and nitrogen oxides (pollutants that contribute to fine particle formation) (SPR); and 2) Percent of Valid Air Data Captured by Ambient Monitoring Network (OPR).

		<p>4. As long as PM2.5 monitoring stays under 103, commit annually to participate in the national PEP program. In the event PM2.5 monitoring activities transition to funding under 105, Region 5 and the MPCA will renegotiate and amend the PPG to address changes.</p> <p>5. Ensure precision and accuracy data are submitted to the AQS as stipulated in 40 CFR Part 58.35.</p> <p>6. Submit hourly PM2.5 concentrations data to the USEPA AIRNow program.</p> <p>7. Certify ozone data via letter as accurate to best of knowledge by May 1 of the following year.</p> <p>8. Attends meetings and participates on conference calls as time and funding permit.</p>	<p>FFY 2009 Report:</p> <p>1) The MPCA submitted the certification letter for Minnesota's 2008 air quality data in September 2008. The delay in submitting the certification letter was due to a retirement at the MPCA for the AQS Coordinator and additional data review to meet current quality assurance requirements. The MPCA has updated the certification process for Minnesota data and had submitted a timely certification letter for 2009 air quality data. The certification letter and attachments for Minnesota's 2008 data are included in separate pdf files named below:</p> <p>“ <u><i>MN AQ Data Certification Letter – Mike Sandusky Sep 29 2009 – Journal_1794.pdf</i></u></p> <p>“ <u><i>MN AQ Data Certification Attachment – Sep 29 2009 – amp255.pdf</i></u></p> <p>“ <u><i>MN AQ Data Certification Attachment – Sep 29 2009 – amp450.pdf</i></u></p> <p>“ <u><i>MN AQ Data Certification Attachment – Sep 29 2009 – amp450nc speciation.pdf</i></u></p> <p>2) Percent valid data capture from the ambient PM2.5 FRM monitoring network for FFY09 was 92 %.</p> <p>FFY 2010 Report:</p> <p>The MPCA submitted the certification letter for Minnesota's 2009 air quality data in March 2010. The certification letter and attachments for Minnesota's 2009 data are included in separate pdf files named below:</p> <p>“ <u><i>MN AQ Data Certification Letter – dated March 26, 2010 (signed by Mike Sandusky)</i></u></p> <p>“ <u><i>MN AQ Data Certification Attachment – March 26, 2010 – amp255-09.pdf</i></u></p> <p>“ <u><i>MN AQ Data Certification Attachment – March 26, 2010 – amp450-criteria-09.pdf</i></u></p>
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				<p> <u>“ MN AQ Data Certification Attachment – March 26, 2010 – amp450nc- speciation-09.pdf</u> </p> <p>Percent valid data capture from the ambient PM2.5 FRM monitoring network for FFY10 was 95%. Percent valid data capture ranged from 90 to 99% across the 10-site PM2.5 FRM network.</p> <p><u>EPA Comment:</u> MPCA has met these commitments.</p> <p><u>FFY 2011 Report:</u> The MPCA submitted the certification letter and associated documents for Minnesota’s 2010 air quality data on March 1, 2011. The certification letter and attachments for Minnesota’s 2010 data are included in separate pdf files named below:</p> <ul style="list-style-type: none"> “ <u>MN AQ Data Certification Letter – dated March 1, 2011 (signed by Mike Sandusky)</u> “ <u>MN AQ Data Certification Attachment – March 1, 2011 – MNamp255-2010-ozone.pdf</u> “ <u>MN AQ Data Certification Attachment – March 1, 2011 – MNamp450nc-2010-all.pdf</u> “ <u>MN AQ Data Certification Attachment – March 1, 2011 – MNamp255-2010.pdf</u> <p>** (to avoid confusion, we’re not sending another set of attachments to EPA as these same reports were already sent to the intended recipients, some via electronic submittal.)</p> <p>Percent valid data capture from the 10-site ambient PM2.5 FRM monitoring network for FFY11 was 90%. Up-time per quarter was – Q1 96%, Q2 94%, Q3 94% and Q4 75%. Up-time for Q4 was significant lower as a result of the state government shutdown in July 2011. Percent valid data capture for July 2011 was 29%.</p> <p><u>EPA RESPONSE:</u> MPCA has met these commitments.</p>
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<p>OAQP S N003</p>	<p>Cumulative percentage reduction in number of days with Air Quality Index (AQI) values over 100 since 2003, weighted by population and AQI value.</p>	<p>Frank Kohlasch & Rick Strassman/Edward Delisio-EPA</p>	<ol style="list-style-type: none"> 1. Operate and maintain ambient air quality monitoring network in compliance with 40 CFR Part 58. 2. Recipient attaches copy of template to its Section 105 Work Plan. 3. Review, validate and submit all required data to the Air Quality System (AQS) within 90 days of the end of each calendar quarter. 4. Ensure precision and accuracy data are submitted to the AQS as stipulated in 40 CFR Part 58.35. 5. Submit hourly ozone and PM2.5 concentration data to the USEPA AIRNow program. 6. Certify all criteria pollutant data via letter as accurate to best of knowledge by May 1 of the following year. 7. Attends meetings and participates on conference calls as time and funding permit. 	<p>MPCA prepares an annual summary of AQI data showing the number of days the AQI exceeds 100 for ozone and PM2.5 for all locations in the AQI network.</p> <p><u>FFY 2009 Report:</u> Air Quality Index statistics for 2008 were compiled and published on the MPCA website at - http://www.pca.state.mn.us/index.php?option=com_k2&Itemid=91&id=995&lang=en&layout=item&view=item</p> <p><u>FFY 2010 Report:</u> Air Quality Index statistics for 2009 were compiled and published on the MPCA website at - http://www.pca.state.mn.us/index.php?option=com_k2&Itemid=91&id=995&lang=en&layout=item&view=item</p> <p><u>EPA Comment:</u> MPCA has met these commitments.</p> <p><u>FFY 2011 Report:</u> Air Quality Index statistics for 2010 were compiled and published on the MPCA website at: http://www.pca.state.mn.us/index.php/air/air-quality-and-pollutants/general-air-quality/air-quality-index.html</p> <p><u>EPA RESPONSE:</u> MPCA has met these commitments.</p>
<p>OAQP S N004</p>	<p>Cumulative percentage reduction in the average number of days during the ozone season that the ozone standard is exceeded in baseline non-attainment areas, weighted by population.</p>	<p>Frank Kohlasch & Rick Strassman/Edward Delisio-EPA</p>	<ol style="list-style-type: none"> 1. Operate and maintain ambient ozone monitoring network in compliance with 40 CFR Part 58. 2. Recipient attaches copy of template to its Section 105 Work Plan. 3. Review, validate and submit all required data to the Air Quality System (AQS) within 90 days of the end of each calendar quarter. 4. Ensure precision and accuracy data are submitted to the AQS as stipulated in 40 CFR Part 58.35. 5. Submit hourly ozone concentrations data to the USEPA AIRNow program. 6. Certify ozone data via letter as accurate to best of knowledge by May 1 of the following year. 7. Attends meetings and participates on conference calls as time and funding permit. 	<p>Trends in ozone levels for Twin Cities 1996 - 2006</p> <p><u>FFY 2009 Report:</u> Ozone trend data for 1994-2007 was compiled and published in the 2009 Report to the Legislature - Air Quality In Minnesota: Emerging Trends. The report can be found at – http://www.pca.state.mn.us/publications/reports/lr-airqualityreport-2009.html</p> <p><u>FFY 2010 Report:</u> Ozone trend data for 1994-2010 will be compiled and reported in the 2011 Report to the Legislature to be published in January 2011.</p>

				<p><u>EPA Comment:</u> MPCA has met these commitments.</p> <p><u>FFY 2011 Report:</u> Ozone trend data for 1997-2010 were compiled and reported in the Air Quality in Minnesota: 2011 Report to the Legislature in January 2011. The report can be found at - http://www.pca.state.mn.us/index.php/about-mpca/legislative-issues/legislative-reports/air-quality-in-minnesota-2011-report-to-the-legislature.html</p> <p>Ozone design values for 2008-2010 were calculated and published in the 2012 Annual Air Monitoring Network Plan published in July 2011. The monitoring plan can be found at – http://www.pca.state.mn.us/index.php/air/air-monitoring-and-reporting/air-emissions-and-monitoring/air-monitoring-network-plan.html</p> <p><u>EPA Response:</u> Region 5 would like to remind MPCA that Table D–3 to Appendix D of Part 58 lists the official ozone season by State. While a State can monitor outside the listed season, it must collect data within the required season for completeness purposes. Deviations from the O₃ monitoring season must be approved by the EPA Regional Administrator, documented within the annual monitoring network plan, and updated in AQS.</p> <p><u>MPCA Response:</u> Please see new language written under the new FFY12 Ambient Air Monitoring workplan section below (p 37-38).</p>
OAQPS M11	Percentage of affected entities who submit data to AQS in accordance with Part 58.	Frank Kohlasch & Luke Charpentier /Rick Strassman/Edward Delisio-EPA	<ol style="list-style-type: none"> 1. Operate and maintain ambient air quality monitoring network in compliance with 40 CFR Part 58. 2. Recipient attaches copy of template to its Section 105 Work Plan. 3. Review, validate and submit all required data to the Air Quality System (AQS) within 90 days of the end of each calendar quarter. 4. Ensure precision and accuracy data are submitted to the 	<p>MPCA Performance Measures: Percent of Valid Air Data Captured by Ambient Monitoring Network (OPR)</p> <p><u>FFY 2009 Report:</u> Percent valid data capture from the ambient criteria pollutant monitoring network for FFY09 was 95%. Data capture for each pollutant was -</p>

		<p>AQS as stipulated in 40 CFR Part 58.35.</p> <p>5. Submit hourly ozone and PM2.5 concentration data to the USEPA AIRNow program.</p> <p>6. Certify all criteria pollutant data via letter as accurate to best of knowledge by May 1 of the following year.</p> <p>7. Attends meetings and participates on conference calls as time and funding permit.</p>	<p>CO - 96% SO2 - 96% O3 - 94% NO2 - 96% Pb - 96% PM10 -94% PM2.5 - 92%</p> <p>EPA's Comments Regarding Monitoring Activities:</p> <p>Monitoring milestones and commitments are being met with the following exception to note:</p> <p>PM2.5 semi-annual flow rate audits - two are required, but sometimes sites had reported more than two and the report indicated that the criteria were not met. The regulations state that semi-annual flow rates audits is performed every six months. If two of the reported audits are not between 5 and 7 months of each other, the report indicates the criteria is not being met. It won't prevent certification, and it is not a major QA issue, but we want to let you know that EPA is evaluating the AQS data in this report with this strict criterion.</p> <p><u>MPCA's Response:</u></p> <p>Many of the PM2.5 monitors are co-located with the Ozone monitors. As a cost saving measure, (travel expenses), and due to an impending surgery the auditor was scheduled for on his shoulder, the two audits (Ozone and PM2.5) were performed at the same time. Since Ozone monitoring is not performed year-round, and several of the locations are outstate, this limits the time period window for audits at these locations. To comply with the strict criteria in the future, extra site visits will be made to perform the audits within the time frame required by the CFR. In addition, in 2009, the PM2.5 monitoring network was being upgraded from single event samplers to sequential samplers. In some cases, the auditors' site visits coincided with this upgrade effort, and no upgraded sampler had yet been installed. In two cases, sampling of PM2.5 was discontinued, and final audits were conducted at</p>
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				<p>that point, without regard to the 6 month criteria thereby showing only one audit causing a flag of those two closed monitors.</p> <p>MPCA discussed the issue with Mr. Ed Delisio and concluded the MPCA was correct in the approach taken in 2009 and these data points are not a serious issue. MPCA will avoid having further data flagged due to audits although cost savings will be discussed in further meetings.</p> <p><u>FFY 2010 Report:</u> Percent valid data capture for each pollutant from the ambient criteria pollutant monitoring network for FFY10 was –</p> <p>CO - 92% SO2 - 98% O3 - 98% NO2 - 92% Pb - 95% PM10 -93% PM2.5 - 95%</p> <p>CO – valid data capture ranged from 72 to 99% across the 5-site CO network. Data capture requirements were not met for the Jan/Feb/Mar 2010 quarter at the St. Paul (27-123-0500) site. Data capture for this quarter was 8%. The inlet probe line was cut by carpenters remodeling the building. The cut line was discovered during an EPA TTP audit. A new line was installed and the TTP audit successfully completed. Dates for the remodeling work were confirmed by the building owner and MPCA on-site records. Data was invalidated to cover the period of time in question.</p> <p>SO2 - valid data capture ranged from 97 to 98% across the 7-site SO2 network.</p> <p>O3 - valid data capture ranged from 97 to 99% across the 15-site O3 network.</p> <p>NO2 - valid data capture ranged from 80 to 99% across the 4-site NO2 network. Data capture requirements were not met for the Jan/Feb/Mar</p>
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				<p>2010 quarter at the Flint Hills Resources industrial (27-037-0423) site. Data capture for this quarter was 47% due to instrument failure and lack of a reliable spare. The instrument was repaired and two new NO2 analyzers procured to prevent future data loss.</p> <p>Pb - valid data capture ranged from 91 to 98% across the 3-site Pb network.</p> <p>PM10 - valid data capture ranged from 91 to 97% across the 4-site PM10 network.</p> <p>PM2.5 - valid data capture ranged from 91 to 99% across the 10-site PM2.5 network. Data capture requirements were not met for the July/Aug/Sept. 2010 quarter at the Apple Valley (27-037-0470) site. Data capture was 68% during this quarter as a result of persistent instrument software failures. The problem was corrected in September 2010.</p> <p><u>EPA Comment:</u> MPCA has met these commitments</p> <p><u>FFY 2011 Report:</u> The MPCA submitted the certification letter and associated documents for Minnesota's 2010 air quality data on March 1, 2011. The certification letter and attachments for Minnesota's 2010 data are included in separate pdf files named below:</p> <ul style="list-style-type: none"> • <u><i>MN AQ Data Certification Letter – dated March 1, 2011 (signed by Mike Sandusky)</i></u> • <u><i>MN AQ Data Certification Attachment – March 1, 2011 – MNamp255-2010-ozone.pdf</i></u> • <u><i>MN AQ Data Certification Attachment – March 1, 2011 – MNamp450nc-2010-all.pdf</i></u> • <u><i>MN AQ Data Certification Attachment – March 1, 2011 – MNamp255-2010.pdf</i></u> <p>** (to avoid confusion, we're not sending another set of attachments to EPA as these same reports were already sent to the intended recipients, some via electronic submittal.)</p>
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				<p>Percent valid data capture for each pollutant from the ambient criteria pollutant monitoring network for FFY11 is listed below.</p> <p>CO – Valid data capture from the 5-site network averaged 97% for FFY11. Quarterly valid data capture ranged from 80 to 99 percent.</p> <p>SO2 – Valid data capture from the 6-site network averaged 99% for FFY11. Quarterly valid data capture ranged from 91 to 99 percent.</p> <p>O3 - Valid data capture from the 15-site network averaged 98% for the FFY11 ozone season. Quarterly valid data capture ranged from 92 to 99 percent.</p> <p>NO2 - Valid data capture from the 3-site network averaged 97% for FFY11. Quarterly valid data capture ranged from 87 to 99 percent.</p> <p>Pb - Valid data capture from the 3-site facility oriented Pb network averaged 85% for FFY11. Quarterly valid data capture ranged from 56 to 100 percent. As a result of the July 2011 state shutdown when network operations were suspended valid data capture at site 27-037-0465 was 69% and site 27-003-6020 was 56%.</p> <p>PM10 FRM - Valid data capture from the 5-site network averaged 92% for FFY11. Quarterly valid data capture ranged from 63 to 100 percent. As a result of the July 2011 state shutdown when network operations were suspended valid data capture at site 27-053-0966 in Minneapolis fell to 63% during the quarter ending September 30, 2011.</p> <p>PM2.5 FRM - Valid data capture from the 10-site FRM network averaged 90% for FFY11. Quarterly valid data capture ranged from 68 to 100 percent. As a result of the July 2011 state shutdown when network operations were suspended valid data capture at 7 of the 10 sites fell below the 75% valid data capture requirement.</p>
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				<p>Data capture from these seven sites ranged from 68 to 74%. Data from continuous PM2.5 FEM monitors will be used to meet daily monitoring requirements in Ramey and Olmstead counties.</p> <p>PM2.5 FEM – Valid data capture from four continuous PM2.5 FEM monitors deployed on January 1, 2011 is 93%. Quarterly valid data capture from these sites ranged from 88 to 98 percent. Additional FEM monitors were deployed to the network periodically during FFY11 bringing the total number of sites to seven as of October 31, 2011.</p> <p><u>EPA RESPONSE:</u> MPCA has met these commitments.</p>
	# of Commitments: 5			

Goal: 1 CLEAN AIR AND GLOBAL CLIMATE CHANGE (Essential Element #1)

Objective 1.1: Clean Air and Healthy Outdoor Air: Through 2011, working with partners, protect human health and the environment by attaining and maintaining health-based air-quality standards and reducing the risk from toxic air pollutants.
Sub-objective: 1.1.2: By 2011, working with partners, reduce air toxics emissions and implement area-specific approaches to reduce the risk to public health and the environment from toxic pollutants.

<p>OAQPS T001</p>	<p>Cumulative reduction in tons of toxicity-weighted (for cancer risk) emissions of air toxics compared to 1993 baseline.</p>	<p>Frank Kohlasch & Shelley Burman/ Jackie Nwia - EPA</p>	<p>1. MPCA will complete validation of MnRiskS tool by March, 2009. 2. MPCA will collaborate with City of Minneapolis staff and neighborhood groups to identify strategies for reducing air toxics in Minneapolis neighborhoods -- for this effort in Minneapolis, MPCA will identify strategies and quantify reductions by pollutant after strategies are implemented. 3. MPCA will complete 2008 and 2011 National Emissions Inventory (NEI). 4. MPCA participates in quarterly Region V air toxics conference calls and attends annual meeting.</p> <p><u>FFY 2010 Revisions:</u> Discussed at July 09 annual meeting. -Updated joint priority tasks (MPCA & EPA); see corresponding joint priorities document.</p>	<p>MPCA will be communicating on this effort with EPA Region 5 as this is a Joint Priority in the EnPPA. MPCA will be able to provide information on air toxics risk hot spots, pollutants that contribute to risk, and strategies to reduce emissions, in the timeframes delineated in the MPCA strategic plan.</p> <p>FFY 2009 Report: 1. MPCA completed first phase of validation & comparison tests of initial results (2002 emissions & ISC). Began processing 2005 emissions (point, non-point, mobile) for planned update to MnRiskS database using AERMOD. Used initial results to inform progress on MPCA strategic objectives. 2. Facilitated formation of the CAIP and provided information on strategies to reduce impacts from emissions in their neighborhood.</p> <p>FFY 2010 Report: 1. See Joint Priorities report and GLAD Grant measure 3. MPCA has contracted with Lakes, Environmental, Inc. for a 2005 AERMOD version of MNRisks. 2. Phase 1 has been completed. MPCA staff will participate in future communications as requested. 3. MPCA staff are processing 2008 emission inventory data. See row OAQPS T07. 4. MPCA staff participate in quarterly Reg. V conference calls. Provided presentations via web for the 2010 Fall annual meeting.</p> <p>EPA Comment: MPCA is meeting these commitments in 2010.</p> <p>FFY 2011 Report: 1. See Joint Priorities report and GLAD Grant measure 3.</p>
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OAQPS T002	Cumulative reduction in tons of toxicity-weighted (for non-cancer risk) emissions of air toxics compared to 1993 baseline.	Frank Kohlasch & Shelley Burman/ Jackie Nwia - EPA	<p>1. MPCA will complete validation of MnRiskS tool by March, 2009.</p> <p>2. MPCA will collaborate with City of Minneapolis staff and neighborhood groups to identify strategies for reducing air toxics in Minneapolis neighborhoods -- for this effort in Minneapolis, MPCA will identify strategies and quantify reductions by pollutant after strategies are implemented.</p> <p>3. MPCA will complete 2008 and 2011 National Emissions Inventory (NEI).</p> <p>4. MPCA participates in quarterly Region V air toxics conference calls and attends annual meeting.</p>	<p>MPCA will be communicating on this effort with EPA Region V as this is a Joint Priority in the EnPPA. MPCA will be able to provide information on air toxics risk hot spots, pollutants that contribute to risk, and strategies to reduce emissions, in the timeframes delineated in the MPCA strategic plan.</p> <p><u>FFY 2009 Report:</u> see above</p> <p><u>FFY 2010 Report:</u> See row OAQPS T001 above</p> <p><u>EPA Comment:</u> MPCA is meeting these commitments in 2010.</p> <p><u>FFY 2011 Report:</u> See row OAQPS T001 above</p>
OAQPS T07	Number of S/L/T agencies collecting data for the 2008 HAP emissions inventory.	Frank Kohlasch/ Mary Jean Fenske/ Jackie Nwia - EPA	<p>MPCA prepares a HAP emission inventory every three years and submits to EPA as part of NEI. MPCA contributes to the Great Lakes Atmospheric Deposition Program through its emission inventory work and also through the GLAD Program Management Team (PMT).</p> <p>Jan 2008 - June 30, 2009: Pre-submission activity to collect emission and activity information for NEI emission calculation, including facility inventory data.</p> <p>July 1, 2009 - June 1, 2010: Submit NEI Emissions Data for point, nonpoint and mobiles sources in Minnesota to USEPA</p> <p>June 2, 2010 - Dec 30, 2010: Post submission activity including revisions to emission estimates, adoption of non-state specific emissions, preparing NEI drafts and receiving stakeholder review and comment.</p>	<p>MPCA Performance Measures: Data Management Milestones for preparation and submittal of triennial NEI data (OPR); Percent of Criteria Pollutant EI Entered into DELTA (OPR)</p> <p><u>FFY 2009 Report:</u> <u>Point Sources:</u></p> <ul style="list-style-type: none"> - Collected emission data from 256 large facilities, 262 Option D facilities, and 4 Option C facilities that accounted for 81%, 82%, and 27% of expected reporting sources, respectively. <p><u>Nonpoint Sources:</u></p> <ul style="list-style-type: none"> - Collected activity data from 50% dry cleaners - Conducted a survey for residential wood combustion and completed emission estimation

		<p>Dec 31, 2010 and beyond: Post-publication period, including the General Purpose Release published on public website and transmission of final inventory to Great Lakes Commission and preparation of emission data for import to MnRiskS.</p>	<p>Mobile Sources:</p> <ul style="list-style-type: none"> · Collected activity data from railroad companies, · Obtained vehicle registration number and worked on decoding · Obtained registration data for pleasure craft and recreational equipment <p>FFY 2010 Report: MPCA requested and received an extension until Nov. 1, 2010 to submit NEI Emissions data for nonpoint and mobile sources due to the need to devote considerable emission inventory staff resources to the conversion to an electronic reporting system and assistance provided to GLC contractors towards completion of the RAPIDS3 database. Submittal of the complete 2008 CAP and partial HAP emission data for point sources was delayed from June 1 until July 2010 due to:</p> <ol style="list-style-type: none"> 1)The delay in availability of the RAPIDS2 to EIS conversion tool from GLC's contractors. 2)EPA's new EIS system was not always been accessible and EI staff encountered a number of issues with its functionality with respect to MN data. <p>As of Nov. 1, 2010 the MPCA has submitted data to USEPA for over 1600 point sources, mobile sources, and all nonpoint sources that have site or state-specific information, except for fuel combustion. MPCA will submit data for nonpoint fuel combustion and the remaining 25 point sources when EIS submission window opens.</p> <p>The MPCA is waiting for the release of USEPA's the 2008 NEI to publish the 2008 MN HAP EI (first version).</p> <p>EPA Comment: MPCA is meeting this commitment in 2010.</p> <p>FFY 2011 Report: In February 2011, the MPCA submitted additional 2008 CAP and HAP state-specific data to the NEI for certain nonpoint sources. MPCA also quality assured point source emissions and resubmitted the CAP and HAP emissions to EPA during the February window.</p>
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				<p>MPCA reviewed and responded to all of EPA's QA/QC activities through the year, including facility name, locational data, control, mercury EI, Version 2, and others.</p> <p>As of October 2011, only the HAP emission inventory for 6 point sources is unfinished due to the need to devote considerable emission inventory staff resources to complete the development of the state's new consolidated emission inventory system for criteria, HAPs and greenhouse gases, including electronic reporting. MPCA is waiting for the release of EPA final version of NEI, particularly for events.</p> <p>The new data management system will allow the MPCA to collect the 2011 NEI data from point sources electronically to ensure timelines are met for the 2011 NEI.</p>
OAQPS M20	Percentage of affected entities that operate NATTS in accordance with National Guidance and QAPPs.		N/A	
	# of Commitments: 4			

Code	State Negotiated Measures (Essential Element #2)	MPCA Contact	Planned Accomplishments/Commitments (Essential Element #3)	Comments/Status or Progress Report
	Permits			MPCA Performance Measures: Percent of Major Air Permits Current (OPR); Air Emissions Recovered/Prevented Due to Enforcement (OPR)
OAQPS P001 1)	Percentage of major NSR permits issued within one year of receiving a completed permit application.	Don Smith/ Steve Pak/ Jennifer Darrow - EPA	Issue 75% of major air permits within one year of complete application.	<p>MPCA Performance Measures: Percent of Major Air Permits Current (OPR)</p> <p><u>FFY 2009 Report:</u> Issued 67% (2 of 3) of major air permits within one year of initial application (issued 3 major NSR permits); data on complete application date not available</p> <p><u>EPA Comment:</u> MPCA has committed to issue 75% of major air permits within one year of complete application. MPCA issued 67% of major air permits within one year of initial application. Although this measure does not appear to have been met, EPA recognizes that it was likely due to the fact that MPCA is not tracking when the permit application is considered complete. EPA recommends that MPCA begin tracking initial application receipt, as well as the date the application is considered complete.</p> <p><u>FFY 2010 Report:</u> Issued 100% (4 of 4) major NSR permits within one year of final complete application</p> <p><u>EPA comment:</u> MPCA has met this commitment in FY 2010.</p> <p><u>FFY 2011 Report:</u> MPCA issued 2 PSD permits in State FY 2011. Both (100%) were issued within one year of receiving a correct/complete application.</p> <p><u>EPA RESPONSE:</u> MPCA has met this commitment in FY 2011</p>

<p>OAQPS P08a 2)</p>	<p>Percentage of Title V (Part 70) significant modifications issued within 18 months of receiving a complete permit application</p>	<p>Don Smith/ Steve Pak/ Jennifer Darrow - EPA</p>	<p>Issue 75% of Title V significant modifications within 18 months of complete application.</p>	<p>MPCA Performance Measures: Percent of Major Air Permits Current (OPR)</p> <p><u>FFY 2009 Report:</u> Issued 76% (28 of 37) of Title V significant modifications within 18 months of initial application; data on complete application date not available <u>EPA Comment:</u> MPCA has committed to issue 75% of T5 significant modifications within 18 months of complete application. In 2009, MPCA issued 76% of T5 significant modifications within 18 months of application. EPA encourages MPCA to continue to meet this measure.</p> <p><u>FFY 2010 Report:</u> Issued 96% (46 of 48) major amendments (significant modifications) issued within 18 months of final complete application. Major amendments include major NSR permits since MN has a combined permitting program.</p> <p><u>EPA comment:</u> MPCA has met this commitment in FY 2010.</p> <p><u>FFY 2011 Report:</u> Issued 100% (24 of 24) of Title V significant modifications (major amendments) within 10 months of receiving a correct/complete application.</p> <p><u>EPA RESPONSE:</u> MPCA has met this commitment in FY 2011</p>
<p>OAQPS P08b 3)</p>	<p>Percentage of Title V (Part 70) initial permits issued within 18 months of receiving a complete permit application</p>	<p>Don Smith/ Steve Pak/ Jennifer Darrow - EPA</p>	<p>Issue 60% of Title V initial permits within 18 months of complete application.</p>	<p>MPCA Performance Measures: Percent of Major Air Permits Current (OPR)</p> <p><u>FFY 2009 Report:</u> Issued 0% of Title V initial permits within 18 months of complete application. There were 13 initial Title V permit applications in June 2008 and there are 8 initial Title V permit applications as of June 2009. Five initial TV permit applicants either withdrew their application or changed their application for a different type of permit</p>

				<p><u>EPA Comment:</u> MPCA has committed to issue 60% of T5 initial permits within 18 months of complete application. In 2009, MPCA issued 0% of initial T5 permits within 18 months of complete application. EPA encourages MPCA to work to improve the speed by which it takes to issue their T5 permits.</p> <p><u>MPCA response:</u> As indicated in a previous item, MPCA is still working on a completeness tracking system which will improve our numbers here.</p> <p><u>FFY 2010 Report:</u> Issued 50% of Title V initial permits within 18 months of complete application. Issued 91% of new initial permit applications received as of 7/01/10 within 18 months of receipt. There were 8 initial Title V permit applications in June 2009 (7 were already older than 18 months as of 6/09 and one new TV application). There were 9 initial Title V permit applications as of June 30 2010 (5 older than 18 months as of 6/09 and 4 new TV applications). Ten initial TV permit applications were processed: either withdrew their application or changed their application for a different type of permit or were issued TV permits. As of 6/30/09 87.5% of initial TV applications were older than 18 mos. As of 6/30/10, 56% of initial TV applications are older than 18 months. (cschutt)</p> <p><u>EPA comment:</u> MPCA has committed to issue 60% of T5 initial permits within 18 months of complete application. In FY 2010, MPCA issued 50% of T5 initial permits within 18 months of application. Although a marked improvement of FY 2009 issuance rates, EPA encourages MPCA to continue to work to fully meet this commitment.</p> <p><u>FFY 2011 Report:</u> This measure was removed from the agreement and replaced with a goal to issue certain permits in 2011 and 2012 and to continue to report progress on processing Title V permits via quarterly reports.</p>
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				<p>The latest report is at: X:\Databases\IAQ\WKPLAN\IAQ Section Work Plan\Operating Permit Monthly Reports\EPAQuarterlyReport_October_2011.xls (to avoid confusion, we're not sending another attachment to EPA as this report already gets sent separately quarterly)</p> <p><u>EPA RESPONSE:</u> MPCA has met this commitment in FY 2011.</p>
<p>OAQPS P11 4)</p>	<p>Report TOPs data to EPA by scheduled deadlines (July 31 and January 31 of each year)</p>	<p>Don Smith/ Steve Pak/ Jennifer Darrow - EPA</p>	<p>Report TOPs data to EPA by due date 100% of the time.</p>	<p>MPCA Performance Measures: Percent of Major Air Permits Current (OPR)</p> <p><u>FFY 2009 Report:</u> Reported TOPs data to EPA by due date 100% of the time</p> <p><u>EPA Comment:</u> MPCA has committed to report TOPs data to EPA by due date 100% of the time. MPCA met this measure 100% of the time. EPA encourages MPCA to continue to meet this measure.</p> <p><u>FFY 2010 Report:</u> Reported TOPs data to EPA by due date 100% of the time (cschutt)</p> <p><u>EPA comment:</u> MPCA has met this commitment in FY 2010.</p> <p><u>FFY 2011 Report:</u> MPCA has met this commitment in FY 2011.</p> <p><u>EPA RESPONSE:</u> MPCA has met this commitment in FY 2011</p>
<p>OAQPS P17 5)</p>	<p>Percentage of timely data on NSR permits issued for new major sources and major modifications, submitted to the RBLC national database within 120 days of permit issuance. Data submission must</p>	<p>Don Smith/ Steve Pak/ Jennifer Darrow - EPA</p>	<p>Report data to RBLC within 120 days of permit issuance 75% of the time.</p>	<p>MPCA Performance Measures: Percent of Major Air Permits Current (OPR)</p> <p><u>FFY 2009 Report:</u> Report data to RBLC within 120 days of permit issuance 67% (2 of 3) of the time</p> <p><u>EPA Comment:</u> MPCA has committed to report data to the RBLC within 120 days of permit issuance 75% of the</p>

	include "the application accepted date" and the "permit issuance date"			<p>time. MPCA has reported meeting this measure 67% of the time. EPA encourages MPCA to work to meet this measure, as timely information in the RBLC is necessary to permit sources with the lowest emissions rates and newest control technology. This measure is achievable since the data is already available to MPCA and does not need to be generated, especially considering the small number of PSD permits it typically processes each year. EPA strongly encourages MPCA to work to meet this measure in the future.</p> <p><u>MPCA response:</u> MPCA had only three actions last year; one of them was not entered on time due to staff moving to a supervisory position & not being able to get it done on time.</p> <p><u>FFY 2010 Report:</u> Reported data to RBLC within 120 days of permit issuance 25% (1 of 4) of the time.</p> <p><u>EPA comment:</u> Percentage of timely data on NSR permits issued for new major sources and major modifications, submitted to the RBLC national database within 120 days of permit issuance. Data submission must include "the application accepted date" and the "permit issuance date".</p> <p><u>FFY 2011 Report:</u> Reports to the RBLC were made within 120 days of permit issuance 100% of the time. Two PSD permits were issued but one did not require a BACT analysis (and RBLC reporting) because the increase in emissions triggering PSD was due to debottlenecking and not a physical modification.</p> <p><u>EPA RESPONSE:</u> MPCA has met this commitment in FY 2011</p>
6)	Continue to make progress in reducing the backlog of Title V (Part 70) initial, significant modification and renewal permits	Don Smith/ Steve Pak/ Jennifer Darrow - EPA	Reduce backlog of Title V (Part 70) initial, significant modification and renewal permits by 10% each year.	<p>MPCA Performance Measures: Percent of Major Air Permits Current (OPR)</p> <p><u>FFY 2009 Report:</u> Reduce backlog of Title V (Part 70) initial permit by 20%, significant modification permits by 10% and</p>

				<p>renewal permits by 9.8% (issued or processed 37 applications for reissuance of a Title V permit)</p> <p><u>EPA Comment:</u> MPCA has committed to reduce their backlog of initial T5, significant modifications and T5 renewal permits by 10% each year. MPCA has essentially met this measure. EPA encourages MPCA to continue the efforts to reduce their permit backlog.</p> <p><u>FFY 2010 Report:</u> The backlog increased by 27% instead of decreasing by 10%. This is the result of a combination of factors: a peak in the number of applications for reissuance received in FY10, realignment of permitting priorities due to new and increased complexity of regulations, protracted resolution of ongoing compliance issues, citizen's concerns and the general state of the economy (cschutt)</p> <p><u>EPA comment:</u> EPA understands the budget difficulties states are facing but strongly encourages MPCA to make reducing their T5 backlog a priority. An increase of 27% is significant and likely will continue to increase if efforts to reduce backlog are not made immediately.</p> <p><u>FFY 2011 Report:</u> This measure was removed from the agreement and replaced with a goal to issue certain permits in 2011 and 2012 and to continue to report progress on processing Title V permits via quarterly reports. The latest report is at X:\Databases\AQ\WKPLANAQ Section Work Plan\Operating Permit Monthly Reports\EPAQuarterlyReport October 2011.xls (to avoid confusion, we're not sending another attachment to EPA as this report already gets sent separately quarterly)</p> <p><u>EPA RESPONSE:</u> MPCA commitment was to issue 10 T5 backlogged permit in CY 2011. MPCA issued 6. CY 2012 commitment is to issue 12. MPCA should work</p>
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				hard to meet this commitment as their renewal backlog continues to increase.
	Regulation			MPCA Performance Measures: SIPs and Rulemaking Benchmarks
1)	Fulfill requirements of the Clean Air Act	Frank Kohlasch & John Seltz/Fenske/ Kathleen Dagostino - EPA	Submit Regional Haze SIP (first quarter 2009). <u>FFY 2010 Revisions:</u> Submit Regional Haze SIP by end of 2009.	<u>FFY 2009 Report:</u> Regional Haze SIP submitted December 30, 2009. <u>FFY 2010 Report:</u> Haze SIP was submitted in FFY 2010. <u>EPA Comment:</u> MPCA has met the commitment to submit a Haze SIP in FY 2010. <u>FFY 2011 Report:</u> MPCA has met the commitment. Throughout FFY2011, MPCA has been discussing the status of the SIP with EPA Region 5 and MPCA anticipates submitting a supplement to the SIP in FFY2012. <u>EPA RESPONSE:</u> MPCA has met this commitment in FY 2011.
2)	Fulfill requirements of the Clean Air Act	Frank Kohlasch & John Seltz/Fenske/ Kathleen Dagostino - EPA	Submission of area designation and boundary recommendations for Lead NAAQS will be submitted by October 2009 deadline. <u>FFY 2010 Revisions:</u> Submission of area designation and boundary recommendations for Lead NAAQS by October 2009 deadline. <u>FFY 2011 Revisions:</u> Submission of SIP for lead nonattainment area by June 2012 deadline (FFY 2012). <u>EPA Comment:</u> This commitment is in line with the goal of this measure.	<u>FFY 2009 Report:</u> Done <u>FFY 2010 Report:</u> Complete in October 2009, FFY 2009. <u>FFY2011 Report:</u> EPA designations made in November 2010. <u>EPA Comment:</u> MPCA has met these commitments. <u>FFY 2011 Report:</u> This commitment falls during FFY2012. <u>EPA RESPONSE:</u> MPCA is on track to meet this commitment.

3)	Ensure compliance with NAAQS	Frank Kohlasch & John Seltz/Fenske/ Kathleen Dagostino – EPA	<p>Submit Transportation Conformity SIP (by third quarter 2009).</p> <p><u>FFY 2010 Revisions:</u> Submit Transportation Conformity SIP in third quarter 2010.</p> <p><u>FFY 2011 Revisions:</u> Continue to work to submit Transportation Conformity SIP.</p> <p><u>EPA Comment:</u> This commitment is in line with the goal of this measure.</p>	<p><u>FFY 2009 Report:</u> Transportation conformity SIP needs signature by several parties.</p> <p><u>FFY 2010 Report:</u> Conformity SIP continues to be delayed due to concerns about an appropriate vehicle (MOU, JPA) for enforceability and associated requirements. A Transportation Conformity Handbook is in place and being utilized.</p> <p><u>FFY 2011 Report:</u> MPCA is likely to delay updates to the Transportation Conformity SIP until a new PM2.5 standard is finalized and we understand the potential impacts on Minnesota and necessary changes to our procedures. A Transportation Conformity Handbook is in place and being utilized.</p> <p><u>EPA RESPONSE:</u> MPCA is on track to meet this commitment.</p>
4)	Ensure compliance with NAAQS	Frank Kohlasch & John Seltz/Fenske/ Kathleen Dagostino - EPA	<p>Rochester SO2 maintenance plan SIP will be submitted (by end of 2009).</p> <p><u>FFY 2010 Revisions:</u> Continue work towards Rochester SO2 maintenance plan SIP submittal.</p>	<p><u>FFY 2009 Report:</u> Need for modeling has lengthened this time frame. Some improvements being made on a facility-by-facility basis.</p> <p><u>FFY 2010 Report:</u> Due to change in the standards, Rochester SO2 issues will be made through the infrastructure SIP requirements for the new SO2 standard. Some improvements continue to be made on a facility specific basis.</p> <p><u>EPA Comment:</u> Rochester SO2 maintenance plan SIP is past due.</p> <p><u>FFY 2011 Report:</u> Report is same as FFY2010 – this is being implemented through new one-hour standard as we expect this requirement to lapse.</p> <p><u>EPA RESPONSE:</u> MPCA has met this commitment</p>

5)	Ensure compliance with NAAQS	Frank Kohlasch & John Seltz/Fenske/ Kathleen Dagostino - EPA	<p><u>FFY 2011 Revisions: (New)</u> Ensure attainment of the SO2 NAAQS by meeting all deadlines for the SO2 standard promulgated in 2010. Deadline in FFY 2011 is to provide designation recommendation. Infrastructure SIP is due in FFY2013.</p> <p><u>EPA Comment:</u> Looks good.</p>	<p><u>FFY 2011 Report:</u> SO2 designation was submitted on time.</p> <p><u>EPA RESPONSE:</u> MPCA has met this commitment.</p>
6)	Ensure compliance with NAAQS	Frank Kohlasch & John Seltz/Fenske/ Kathleen Dagostino - EPA	<p>Submit designation recommendation for 2008 8-hour ozone standard by March 2009 deadline.</p> <p><u>FFY 2010 Revisions:</u> Submit Section 110 infrastructure SIP for PM2.5, Lead, and Ozone (after EPA guidance).</p>	<p><u>FFY 2009 Report:</u> Guidance only recently received. We have an initial draft of the PM2.5 infrastructure SIP. We anticipate submittal in January 2010.</p> <p><u>FFY 2010 Report:</u> EPA Region 5 has continued to advise states not to submit infrastructure SIPs at this time.</p> <p><u>EPA Comment:</u> MPCA is on track with this commitment.</p> <p><u>FFY 2011 Report:</u> 110(a) SIP for PM2.5 was submitted in May 2011. Per discussions with EPA Region 5, 110(a) SIP for lead will be included in nonattainment SIP. Guidance on 110(a) for the ozone standard has not yet been released.</p> <p><u>EPA RESPONSE:</u> MPCA has met this commitment.</p>
7)	Ensure compliance with NAAQS	Frank Kohlasch & John Seltz/Fenske/ Kathleen Dagostino - EPA	<p>Submit necessary maintenance plan updates using a process to be developed in collaboration with EPA Region 5.</p> <p><u>FFY 2010 Revisions:</u> Make progress in completing necessary maintenance plan updates using a process to be developed in collaboration with EPA Region 5.</p>	<p><u>FFY 2009 Report:</u> One maintenance plan submitted in conjunction with facility-specific SIP submittal. Waiting for EPA comments/approval of that maintenance plan.</p> <p><u>FFY 2010 Report:</u> EPA has indicated that the previously submitted maintenance plan is approvable.</p> <p><u>EPA Comment:</u> MPCA has met this commitment in FY 2010.</p> <p><u>FFY 2011 Report:</u> No maintenance SIPs submitted in FFY2011. We believe requirement to do SO2 maintenance SIPs will lapse, leaving only PM10 maintenance SIPs.</p>

				<p><u>EPA RESPONSE:</u> MPCA is on track to meet this commitment.</p>
8)	Ensure compliance with NAAQS	Frank Kohlasch & John Seltz/Fenske/ Kathleen Dagostino - EPA	Submit SIP updates to EPA for approval when needed (e.g., when SIP approved rules or site specific SIPs are revised).	<p><u>FFY 2010 Report:</u> Ongoing work. In FFY2010, submitted 4 such SIP revisions.</p> <p><u>EPA Comment:</u> MPCA is meeting this commitment.</p> <p><u>FFY 2011 Report:</u> Ongoing work. In FFY2011, submitted one such SIP revision.</p> <p><u>EPA RESPONSE:</u> MPCA has met this commitment in FY 2011</p>
9)	Ensure compliance with NAAQS	Frank Kohlasch & John Seltz/Fenske/ Kathleen Dagostino - EPA	Notify EPA of any violation of the NAAQS and address any such violation.	<p><u>FFY 2009 Report:</u> The only violation has been of the new lead standard. Remedial actions are in place. A designation recommendation was submitted on schedule. A SIP is in development.</p> <p><u>FFY 2010 Report:</u> Exceedances of the 24-hour PM2.5 NAAQS have been identified in St. Paul based on monitoring data. MPCA will continue to monitor and submit certified data in FFY2011.</p> <p><u>EPA Comment:</u> MPCA is meeting this commitment.</p> <p><u>FFY 2011 Report:</u> The MPCA submitted certified PM2.5 monitoring data for the state in FFY2011, per EPA rules. At this time, no further action has been required by EPA. The MPCA continues to collect and analyze PM2.5 data for the Twin Cities. The MPCA is also in discussions with multiple stakeholders regarding the potential violation of the current or future PM2.5 NAAQS.</p> <p><u>EPA RESPONSE:</u> MPCA is meeting this commitment.</p>

10)	Ensure compliance with NAAQS	Frank Kohlasch & John Seltz/Fenske/ Kathleen Dagostino -EPA	<u>FFY 2010 Revisions:</u> 1) Submit area designations and boundary recommendations for revised NAAQS by deadlines (expected include NO2, new SO2). 2) Submit lead SIP by deadline.	(New measure for FFY 2010) NO2 and SO2 standards not yet finalized. Lead designation recommendation has been submitted and a SIP is in development. <u>FFY 2010 Report:</u> None of these deadlines occurred in FFY2010. <u>EPA Comment:</u> EPA encourages MPCA to strive to meet outlined deadlines. <u>FFY 2011 Report:</u> NO2 and SO2 designations were submitted on time. Lead SIP is due in FFY2012. <u>EPA RESPONSE:</u> MPCA is meeting this commitment.
11)	Ensure compliance with NAAQS	Frank Kohlasch & John Seltz/Fenske/ Kathleen Dagostino -EPA	<u>FFY 2010 Revisions:</u> Submit Twin Cities CO maintenance plan, after developing limited maintenance plan framework in conjunction with EPA.	(New measure for FFY 2010) We have secured funding for technical work needed. Work should be completed by end of 1st quarter 2010 and a maintenance plan should be submitted by July 1. <u>FFY 2010 Report:</u> Complete. SIP submitted and approved. <u>EPA Comment:</u> MPCA has met this commitment. <u>FFY 2011 Report:</u> Nothing new. This is completed. <u>EPA RESPONSE:</u> MPCA has met this commitment.
12)	Ensure compliance with NAAQS	Frank Kohlasch & John Seltz/Fenske/ Kathleen Dagostino -EPA	<u>FFY 2010 Revisions:</u> Revise significant harm levels as needed (PM2.5, ozone, lead).	(New measure for FFY 2010) We are waiting for EPA recommendations <u>FFY 2010 Report:</u> Continuing to wait for EPA recommendations and rulemaking resources. <u>EPA Comment:</u> MPCA should identify pollutants for which they require EPA's recommendations and rulemaking.

				<p>EPA expects to announce the new ozone standard by July 31, 2011.</p> <p><u>MPCA Response:</u> We will revise our rules as expeditiously as practical after EPA revises 40 CFR Part 51.150</p> <p><u>FFY 2011 Report:</u> Same as previous response comment.</p> <p><u>EPA RESPONSE:</u> MPCA is on track with this commitment.</p>
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Greenhouse Gases/Climate Change			
1)	Greenhouse Gases/Climate Change	Frank Kohlasch & John Seltz/Fenske/ Melissa Hulting-EPA	<p>1) Continue work with The Climate Registry to support greenhouse gas reporting and verification through TCR – <i>this item is obsolete.</i></p> <p>2) Develop and refine a Minnesota greenhouse gas emission inventory to support Strategic Plan tracking.</p> <p>3) Develop data collection and reporting mechanisms for non-emission inventory greenhouse gas information required by state or federal law.</p> <p>4) Participate as necessary in implementation of approved strategies from the Minnesota Climate Change Advisory Group – <i>this item is complete.</i></p> <p><u>FFY2011 added:</u></p> <ul style="list-style-type: none"> · Develop rules and guidance needed to implement federal GHG permitting rules; · Assist in implementation of federal GHG reporting rules.

FFY 2009 Report:

This needs to be changed for FFY 10. In FFY 09, we completed data collection for HGWP and auto manufacturers and legislative reports required by state law. The reports covering HGWP control options and GHG emission trends are posted on our website. Given EPA proposed GHG registration rule and tailoring rule and a major redesign of the state emission reporting system, we have shifted gear to facilitating implementation of the federal rules and redesigning the state emission inventory system to accommodate GHG. The MPCA is pursuing policy initiatives in the areas of adaptation and sequestration. The MPCA also participated in the Midwest Accord GHG strategy development effort.

FFY 2010 Report:

Item 4) is complete.
Item 1) is obsolete – we are working with EPA/TCR workgroup on the design of EPA reporting system. Okay to delete #1 and #4. If MPCA is working on the EPA reporting system with TCR, does this mean MPCA is not developing a separate MN inventory (#3)? Or is MPCA still pursuing a state GHG inventory?
I assume MPCA wants to add the two activities below to their commitments? That is fine with me—they are both appropriate things to add.
In addition:

- Develop rules and guidance needed to implement federal GHG permitting rules;
- Assist in implementation of federal GHG reporting rules.

MPCA did not supply a FY2010 report on status of items #2 and #3.

MPCA Response:

Report on 2) and 3): As required by legislation, MPCA develops a GHG trend report every two years (posted on our website). This emission report attempts to quantify as completely as possible, all emission sectors. At the same time, we will develop by 7/1/2011, as part of our

				<p>electronic inventory project, CEDR, an electronic GHG inventory for at least some GHG sectors and will incorporate EPA GHG point source EI data.</p> <p><u>FFY 2011 Report:</u> For item 1) see FFY 2010 Report. This item should be deleted. Agreed. Please delete. For item 4) see FFY 2010 Report. This item should be deleted. Agreed. Please delete. For item 2) the MPCA continues to calculate statewide GHG emission estimates for all sources in Minnesota to support the MPCA's Strategic Plan and legislative reports. The summary report is available at http://www.state.mn.us/mn/externalDocs/Commerce/Greenhouse_Gas_Emissions_Reduction_Report_2011_122910041040_GreenhouseGasEmissions2010.pdf The technical emissions report is available upon request. For item 3) the MPCA is near completion in the development of a new emissions inventory data management system that integrates criteria, hazardous air pollutants and GHGs from point sources and allows for electronic reporting from facilities. For FFY2011 items, the MPCA promulgated permitting rules for GHGs, including rule language, guidance and forms. The MPCA also continues to apply EPA GHG methodologies for emission reporting and estimates from facilities.</p> <p><u>EPA Region 5 and MPCA admin's response to request for deletion of previous years' reports:</u> Since this is a cumulative multi-year report, we agreed earlier to preserve the information reported from previous years. We will record which items are requested for deletion or are complete when both EPA and MPCA are in agreement. This is so that the information is saved as records. Staff can just skip over them in their future year report.</p>
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Regional Haze				
1)	Regional Haze	Frank Kohlasch & John Seltz/Fenske/ Matthew Rau-EPA	<p>Submit and implement Regional Haze SIP in manner consistent with the future application CAIR or other relevant federal rules applicable to Minnesota.</p> <p>FFY 2010 Revisions: Submit and implement Regional Haze SIP in manner consistent with the relevant federal rules applicable to Minnesota.</p>	<p>FFY 2009 Report: Regional Haze SIP submitted December 30, 2009.</p> <p>FFY 2010 Report: (revised per EPA suggestion below). Haze SIP was submitted in FFY 2010.</p> <p>EPA Comment: MPCA has met the commitment to submit a Haze SIP in FY 2010.</p> <p>EPA Comment: MPCA could revise that section to repeat Regulation item #1 instead of have it state see Regulation #1. Certainly this would be repetitive, but the reader would not have to refer several pages back to learn the status of Minnesota's regional haze plan. This revision is optional and up to your discretion.</p> <p>FFY 2011 Report: MPCA has met the commitment. Throughout FFY2011, MPCA has been discussing the status of the SIP with EPA Region 5 and MPCA anticipates submitting a supplement to the SIP in FFY2012.</p>
New GLAD Grant (Starting FFY 2010) (Great Lakes Air Deposition)				
1)	Mercury Reduction/TMDL (this item was moved from its own Mercury heading to join with GLAD since mercury work activities fit well under the new heading)	Frank Kohlasch & John Seltz/Fenske/ Alexis Cain-EPA	<p>1) Develop the implementation plan for realization of mercury emission reductions by timelines established by the Mercury TMDL Advisory Group.</p> <p>2) Promulgate mercury emission inventory rule to support implementation of the Mercury TMDL.</p> <p>FFY 2010 Revisions:</p> <p>1) Implement strategies to realize mercury emission reductions by timelines established in Mercury TMDL</p> <p>2) Promulgate mercury emission inventory rule to support implementation of the Mercury TMDL.</p> <p>3) Continue participation in Great Lakes Regional Collaboration to develop and implement regional mercury reduction strategies (New Item suggested by C. Nash).</p>	<p>FFY 2009 Report: TMDL implementation plan finalized and published on MPCA website. Hg inventory rulemaking initiated. Anticipate having a draft of the rule by end of 2009 and completion of rulemaking by end of 2010.</p> <p>FFY 2010 Report: Progress on implementation of TMDL strategies includes:</p> <ul style="list-style-type: none"> Development of detailed work plan to address emissions from product-related sources. Negotiating reductions from expanding mining sources. Drafting of inventory rule expanded to include require reduction plans from existing facilities to meet TMDL Goal.

			<p><u>FFY 2011 Revisions:</u> Delete 3) above (from FFY10) --- completed.</p> <ol style="list-style-type: none"> 1) Implement strategies to realize mercury emission reductions by timelines established in Mercury TMDL. 2) Promulgate mercury emission inventory rule to support implementation of the Mercury TMDL, expanded to include reduction plan submittal from existing sources. 3) Prepare State of Knowledge Report summarizing information on mercury releases and environmental response indicators. 4) Participate, <i>as state resources allow</i>, in implementation workgroups for Great Lakes Regional Collaboration regional mercury reduction strategies (added, per EPA's suggestion below). <p><u>EPA Comment:</u> Instead of removing #3 from FY10, EPA suggests revising it to say "participate in implementation workgroups for Great Lakes Regional Collaboration regional mercury reduction strategies" (the Strategies have been completed, and now there are implementation workgroups).</p> <p><u>FFY2012 Revisions:</u> Add to FFY2011 commitments:</p> <ol style="list-style-type: none"> 5) Complete emissions inventory data management system to support electronic reporting of air toxics, including Hg, PAHs and dioxins/furans, improve QA/QC of capabilities for emissions data and node data transfer capabilities 6) Improve the MPCA's understanding of PAH and dioxin/furan emissions from stationary diesel engines and residential biomass use in Minnesota. These sources have been identified as important sources for these pollutants and other pollutants and the MPCA currently has information gaps to support emission estimates and the geospatial characteristics of these sources. 	<p>Staff participated in the development of Great Lakes Regional Collaboration Air Emission reduction strategy.</p> <p><u>EPA Comment:</u> MPCA is meeting these commitments.</p> <p><u>FFY 2011 Report:</u> For item 1) the MPCA continues to follow the Statewide TMDL Implementation Plan to achieve mercury emission reductions. The new and modified source guidelines were used on a handful of relevant air permits in FFY2011 and resulted in the first requirements for mercury controls at taconite facilities. For item 2) the MPCA continued to modify the proposed rule language to adapt to EPA's NESHAP proposals and also to address new state requirements for the rule justification. The MPCA plans to propose the rule in late spring to early summer of 2012. For item 3) the MPCA updated the State of Knowledge Report for the Oversight Group Meeting in November 2011. For item 4) the MPCA continues to participate on the Great Lakes Regional Collaboration to seek regional mercury emission reductions, including reviewing and distributing the report from the GLC.</p>
2)	Quantification of technically challenging Mercury emission sources	Lotthamer & Paul Hoff &	<ol style="list-style-type: none"> 1) Obtain cooperation of at least 2 metal shredders and 2 fluorescent lamp recyclers for matching of activity levels and field data. 2) For each facility, obtain at least 5 short episodes of activity 	<p><u>FFY 2010 Report:</u> There were 3 fluorescent lamp recyclers in Mn when this was proposed; one ceased recycling in August 2010. Downwind field data was successfully</p>

		Ed Swain	<p>level & downwind field data of Hg concentrations, wind speed, & turbulence.</p> <p>3) If time permits within FY2010, begin development of emission factors: Format data and begin “backwards” dispersion modeling to calculate emissions.</p>	<p>obtained on two recyclers. Shredders have been more problematic, but data are expected to be collected late fall 2010. Because crematoria stack emissions have been problematic to collect, downwind data was successfully collected from two MN facilities. Backwards dispersion modeling will be performed early in FFY2011.</p> <p><u>EPA Comment:</u> MPCA is meeting this commitment.</p> <p><u>FFY 2011 Report:</u> This specific task was temporarily suspended in FFY 2011—but has resumed in FFY2012—while MPCA Hg research staff temporarily pursued other data concerning sources of Hg that contaminate MN fish. Monson (2009) published the surprising finding that MN fish are becoming significantly more contaminated with Hg despite reductions in both Hg emissions and deposition. As part of the effort to determine the underlying cause, in FFY2011 staff sampled about 100 lakes for which fish trend data are available (plus cored 19 lakes and performed GIS analysis on all). For FFY 2012 MPCA staff have been assigned to resume the monitoring of shredders, lamp recyclers, and crematoria.</p>
3)	MnRiskS Enhancement Project	Frank Kohlasch & Shelley Burman/ Jackie Nwia - EPA	<p>Enhance the MnRiskS tool and run MnRiskS using 2005 emissions to:</p> <ol style="list-style-type: none"> 1) Allow easier identification of sub-categories of persistent, bioaccumulative toxics (PBTs), primarily dioxins and furans, and other implicated pollutant emission sources (currently area and mobile sources at broad categories). 2) Validate results against monitoring data and against other detailed risk assessment, including information for sub-categories of PBTs. 3) Use results for the identification of pollutants, pathways, geographic areas, sources, and source categories of concern to inform MPCA’s strategic plan. 	<p><u>FFY 2010 Report:</u> MPCA staff are working with Lakes Environmental to produce an updated MNRiskS tool.</p> <ul style="list-style-type: none"> · use the 2005 EI · AERMOD · updated toxicity information · improved risk receptor coverage · improved spatial resolution of on road emissions · enhancements in grouping subcategories of sources, pollutants · other usability enhancements. <p>Contract let: May 2010 To be complete: June 2011 Work is on track.</p> <p><u>EPA Comment:</u> MPCA is meeting this commitment.</p>

				<p>FFY 2011 Report:</p> <ol style="list-style-type: none"> 1. Enhanced version – MNRiskS 2005 has been completed and is housed on new server at MPCA 2. Technical paper submitted and accepted for publication in Risk Analysis 3. Results to inform Improving Ambient Air focus area provide context to projects. See report on joint priorities.
	#of Commitments: 23			
EPA Region 5 – MPCA Collaboration Climate Change Voluntary Initiatives (New item - Starting FFY 2011)				
MPCA and EPA Region 5 agree to collaborate in planning, development and implementation of voluntary measures in Community-Based/Local Government Sustainability, Transportation Electrification and Green Buildings.	Kevin McDonald /Melissa Hulting/ Erin Newman- EPA	<p>Proposed MPCA Investment:</p> <ol style="list-style-type: none"> 1) Administer statewide Minnesota Green Step Cities Program. 2) Plan, organize, market and recruit MN local governments to participate in any state-specific assistance offered through US EPA's ENERGY STAR and WaterSense programs. Calculate and monitor the greenhouse gas savings from solid waste management best practices. 3) Administer statewide transportation electrification plug-in infrastructure and electric vehicle (EV) deployment. 4) Administer Minnesota's residential and commercial green building program -- an integrated approach to reducing GHG emissions, conserving energy, water and other resources, reducing waste and exposure to toxic chemicals, protecting water quality, and preventing pollution. <p>Suggested US EPA Support:</p> <ol style="list-style-type: none"> 1) US EPA staff work on identifying tools (calculators) cities can use to quantify the benefits of GHG implementation actions, particularly Green Step Cities. Provide Waste Wise support to any community that joins EPA's Waste Wise program. Provide climate change mitigation and adaption literature for communities and share informational, as available. 2) Assist with local level ENERGY STAR and WaterSense campaigns in MN. 3) Regional coordination of information sharing on EV deployment issues, supporting policy options, and updates on progress with other EPA Regions. Serve as a liaison with DOE to provide Region 5 updates to the national goal of having "one million plug-in hybrid cars [EVs] on the road by 2015" and for updates on potential grant funds. 4) Promote EPA's "Sustainable Design and Green Building 	<p>FFY2011 Report:</p> <ol style="list-style-type: none"> 1. MPCA continues to administer the Minnesota Green Step Cities Program. During FFY 2011, twelve Minnesota cities adopted resolutions to participate in program. To date, a total of 35 cities are actively participating in the program. 2. MPCA staff has consulted with US EPA Region 5 staff about opportunities related to Energy Star and WaterSense programs. Several best practices in MN Green Step Cities are leveraging resources these Federal programs. 3. MPCA is lead coordinator of Drive Electric Minnesota (DEM), a coalition of state and local governments, non-profit organizations, utilities and private sector businesses. In FFY 2011, DEM rolled out five all-electric fleet vehicles. The EV vehicles were supported with funding from Xcel Energy. Also in FFY 2011, MPCA submitted a \$500,000 request to the Metropolitan Council's Transportation Advisory Board (TAB) for Federal Congestion Mitigation Air Quality (CMAQ) resources to construct over 70 EV charging stations in the Twin Cities area. An award decision is anticipated in early calendar 2012. 4. MPCA continues to administer a residential and commercial green building program. Highlights for FFY 2011 include organizing four smart remodeling workshops designed to increase the knowledge and capabilities of residential home remodelers to implement whole house green building best practices. Another key FFY 2012 highlight included the "Green Crossing" at the Eco Experience (Minnesota State Fair). This major public exhibit featured several specially 	

		<p>Toolkit for Local Governments” to encourage municipalities to evaluate their codes for sustainable development. Using R5’s “Removing Market Barriers to Green Development”, work with MPCA to develop a project to implement one strategy to promote green building/sustainable development practices. Work with EPA on consolidating green building materials information from various materials ratings programs/processes.</p> <p><u>EPA Comment:</u> These are all activities EPA agrees to undertake with MPCA.</p>	<p>constructed green buildings, as well as a variety of green options for inside the home as well as yard.</p> <p><u>EPA Comment:</u> The above all looks good. MPCA is doing a lot of good work in this area. EPA has provided information, contacts, and facilitation as needed and we are planning to more regularly check in with MPCA about joint work to address these topics.</p>
	#of Commitments: 8		

FFY2012 Workplan proposal based on EPA's new Strategic Plan:

Strategic Goal: 1 – Taking Action on Climate Change and Improving Air Quality¹			
Objective 1.1: Address Climate Change. Reduce the threats posed by climate change by reducing greenhouse gas emissions and taking actions that help communities and ecosystems become more resilient to the effects of climate change.			
2011- 2015 Strategic Measures (Outcomes) - Address Climate Change²			
By 2015, the light-duty vehicle greenhouse gas rule will achieve reductions of 99 MMTCO ₂ Eq.			
By 2015, additional programs from across EPA will promote practices to help Americans save energy and conserve resources, leading to expected greenhouse gas emissions reductions of 740.1 MMTCO ₂ Eq. from a baseline without adoption of efficient practices. This reduction compares to 500.4 MMTCO ₂ Eq. reduced in 2008.			
By 2015, EPA will integrate climate change science trend and scenario information into five major scientific models and/or decision-support tools used in implementing Agency environmental management programs to further EPA's mission, consistent with existing authorities.			
By 2015, EPA will account for climate change by integrating climate change science trend and scenario information into five rule-making processes to further EPA's mission, consistent with existing authorities.			
By 2015, EPA will build resilience to climate change by integrating considerations of climate change impacts and adaptive measures into five major grant, loan, contract, or technical assistance programs to further EPA's mission, consistent with existing authorities.			
FY 2012 Air Toxics – Toxics and Global Atmosphere			
Outputs/Measures	Progress Target Dates & Contact	State Commitments - Outputs/Measures and Outcomes – (should relate to the Output/Measure in column 1)	Reporting for Final Report or Annual Performance Report of Progress Made in Meeting Commitments (Outputs and/or Outcomes) in columns 1 and 3
1) Work collaboratively to address climate change and reduce greenhouse gas emissions through activities including participation in R5-States Climate Change conference calls and promotion of EPA voluntary programs including Energy Star, the Green Power Partnership, Combined Heat and Power, and non-CO ₂ reduction programs.	McDonald/ Sierks/ Patraw	<ol style="list-style-type: none"> 1. Participate in R5-States Climate change conference calls. 2. Upon request, promote EPA voluntary programs including Energy Star, the Green Power Partnership, Combined Heat and Power, and non-CO₂ reduction programs. 3. Jointly carry out activities as summarized in EPA Region 5 – MPCA Collaboration Climate Change Voluntary Initiatives (new item - starting FFY 2011). 	
Objective 1.2: Improve Air Quality. Achieve and maintain health-based air pollution standards and reduce risk from toxic air pollutants and indoor air contaminants.			
2011 – 2015 Strategic Measures (Outcomes) - Reduce Criteria Pollutants and Regional Haze			
By 2015, the population-weighted average concentrations of ozone (smog) in all monitored counties will decrease to 0.073 ppm compared to the average of 0.078 ppm in 2009.			
By 2015, the population-weighted average concentrations of inhalable fine particles in all monitored counties will decrease to 10.5 µg/m ³ compared to the average of 11.7 µg/m ³ in 2009.			

¹ EPA Strategic Goals are located at <http://www.epa.gov/ocfo/plan/plan.htm>

² EPA Measures are from National Program Guidance at <http://www.epa.gov/ocfopage/npmguidance/index.htm>, 40 CFR 35 at <http://www.gpoaccess.gov/cfr/>, and EPA Regional Priorities.

By 2015, reduce emissions of nitrogen oxides (NOx) to 14.7 million tons per year compared to the 2009 level of 19.4 million tons emitted.

By 2015, reduce emissions of sulfur dioxide (SO2) to 7.4 million tons per year compared to the 2009 level of 13.8 million tons emitted

By 2015, reduce emissions of direct particulate matter (PM) to 3.9 million tons per year compared to the 2009 level of 4.2 million tons emitted.

FY 2012 Federal Vehicle and Fuels Standards and Certification – Control Strategies

Outputs/Measures	Progress Target Dates & Contact	State Commitments - Outputs/Measures and Outcomes – (should relate to the Output/Measure in column 1)	Reporting for Final Report or Annual Performance Report of Progress Made in Meeting Commitments (Outputs and/or Outcomes) in columns 1 and 3
1) Work with EPA in preparing SIPs and developing, implementing, and transitioning mobile source control strategies such as I/M, OBD, and state fuel programs.	Kohlasch/ Seltz/Fenske	N/A	
2) Work with local Metropolitan Planning Organizations, EPA, and state and federal transportation agencies in future conformity determinations, as needed.	Kohlasch/ Seltz/Fenske	Ok	
3) Continue to develop and submit control strategy SIPs and maintenance plans with motor vehicle emission budgets based on MOVES.	Kohlasch/ Seltz/Fenske	MPCA will monitor motor vehicle emission budgets based on MOVES as necessary to support maintenance plans in Minnesota.	
4) Work on deletion of old state conformity MOUs and replacement conformity consultation MOUs, so that states can use the flexibility and be consistent with federal transportation conformity rules.	Kohlasch/ Seltz/Fenske	MPCA has met the commitment. Throughout FFY2011, MPCA has been discussing the status of the SIP with EPA Region 5 and MPCA anticipates submitting a supplement to the SIP in FFY2012.	
5) Work with EPA to develop creditable mobile source programs.	Kohlasch/ Seltz/Fenske	Without ozone non-attainment or maintenance areas so this is not applicable to MN	
6) Continue to support the Midwest Clean Diesel Initiative including the management of state clean diesel grants, active involvement in state clean diesel coalitions, Smartway, and the promotion,	Patraw	This item is addressed in the PPA, as a Joint Priority.	

generation, and implementation of clean diesel funding, programs, projects, and policies.			
FY 2012 NAAQS Ambient Air Monitoring			
Outputs/Measures	Progress Target Dates & Contact	State Commitments - Outputs/Measures and Outcomes – (should relate to the Output/Measure in column 1)	Reporting for Final Report or Annual Performance Report of Progress Made in Meeting Commitments (Outputs and/or Outcomes) in columns 1 and 3
1) Operate monitors for other NAAQS pollutants, NCore, and PAMS according to 40 CFR Part 58, approved monitoring plans, and/or grant agreements including QMPs and QAPPs.	Kohlasch/ Strassman	MPCA will operate the ozone network from April 1 through October 31, 2012, in accordance with requirements listed in Table D-3 to Appendix D of 40 CFR Part 58.	
2) All state/local primary quality assurance organizations submit NAAQS pollutant data, PAMS, and QA data to AQS directly or indirectly through another organization according to schedule in 40 CFR Part 58.	Kohlasch/ Strassman	Ok	
3) Certify 2011 NAAQS and toxics pollutant data in AQS and provide supporting documentation by May 1, 2012 (state/local only, unless tribal work plan requirement).	By May 1, 2012 Kohlasch/ Strassman	Ok	
4) Submit XML-formatted AQS data by the end of 2012 or at the latest the end of 2013.	By the end of 2012 or 2013 Kohlasch/ Strassman	We don't have this capacity right now – will try to get through our information/technology system by 2013. There are no projects in our queue currently.	
5) Submit 2013 annual network plan required by 40 CFR § 58.10, by July 1, 2012, unless another schedule has been approved (state/local only, unless tribal work plan requirement). The plan should provide for the movement or start-up of additional ozone monitoring	July 1, 2012 Kohlasch/ Strassman	Meeting roadway NO2 requirements dependent upon timely award of grant funds to build the monitoring site and procure equipment.	

stations associated with smaller urban areas and non-urban areas, if required. If finalized the ozone monitors should be operational the first day of ozone season in 2013. The plan should also consider SO2 monitoring required in Core Based Statistical Areas (CBSA's) based on population and emissions. All new SO2 monitoring is required to be operational by January 1, 2013. The plan should also consider NO2 Roadway monitoring requirements. All new NO2 Roadway monitoring is required to be operational by January 1, 2013.			
6) Ensure adequate, independent QA audits of NAAQS monitors, including PEP and NPAP or equivalent (state/local only, unless tribal work plan requirement).	Charpentier/ Strassman	Ok	
7) Report real time ozone and PM _{2.5} data to AirNOW for cities required to report the AQI (state/local only).	Kohlasch/ Strassman	Ok	
8) Implement second phase lead monitoring at source-oriented locations (.5 to 1 tons per year.	By December 27, 2011 Kohlasch/ Strassman	MPCA doesn't believe that we have any sources here that will require 2 nd phase lead monitoring. If we do find some sources, we will work to meet necessary deadline.	
9) Implement lead monitoring at non-source-oriented At NCore sites in CBSAs over 500,000 people	By December 27, 2011 Kohlasch/ Strassman	Done – and on going	
10) Attend the annual Region 5 State/Local/Tribal Air Monitoring Contacts meeting, Participate in the monthly S/L/Tribal monitoring calls. Attend the Triennial National Monitoring conference, the	Kohlasch/ Strassman	Will commit to monthly calls. However, travel is subject to agency budget and administrative restrictions.	

annual AQS conference and the annual QA conference if they are held.			
Add additional state outputs/measures necessary to achieve air quality goals.	Kohlasch/ Strassman	11) Deploy and operate a hexavalent chrome (Cr+6) monitor at MPCA's source orient lead site in St. Cloud on a 1 in 6 day basis for a period of one year. MPCA will provide all field-related support. EPA will direct 105 carryover funds to the national contract lab for the sampler, media and all analytical support. Sampling will commence in early 2012.	
FY 2012 NAAQS - Attainment Planning and Maintenance			
Outputs/Measures	Progress Target dates & Contact	State Commitments - Outputs/Measures and Outcomes – (should relate to the Output/Measure in column 1)	Reporting for Final Report or Annual Performance Report of Progress Made in Meeting Commitments (Outputs and/or Outcomes) in columns 1 and 3
1) Review air quality reports and take appropriate actions dealing with new violating attainment areas with any of the NAAQS.	Kohlasch/ Seltz/Fenske	The MPCA submits the biennial Air Quality Report to the Legislature, reviews and analyzes air monitoring data on a continuous basis for MN to identify appropriate actions.	
2)As appropriate, submit redesignation requests including maintenance plans for areas with clean air quality data.	Kohlasch/ Seltz/Fenske	Ok	
3) Continue to implement 8-hr ozone SIPs.	Kohlasch/ Seltz/Fenske	N/A	
4) Submit any outstanding 1997 PM _{2.5} and ozone SIP elements, including SIPs due for the 1997 8-hr ozone Subpart 1 nonattainment areas that were reclassified to Subpart 2 and SIPs due for the 1997 8-hr ozone moderate nonattainment areas that were reclassified to serious.	Kohlasch/ Seltz/Fenske	N/A	
5) Prepare recommendations on designations for revised NAAQS.	Kohlasch/ Seltz/Fenske	Ok	
6) Facilitate implementation of NOx and SO2 Requirements under Transport Rule.	Kohlasch/ Seltz/Fenske	<ul style="list-style-type: none"> • Review proposed rule language; • Review proposed allocations for Minnesota; • Talk to affected facilities covered by rules. 	

7) Begin evaluating technical information used to support 2011 PM _{2.5} , CO, and ozone NAAQS state recommendations for designations.	Kohlasch/ Seltz/Fenske	Ok	
8) Consult with EPA, as necessary, to finalize area designations for the NO ₂ primary and SO ₂ primary NAAQS.	Kohlasch/ Seltz/Fenske	Ok	
9) Continue to implement SIPs for 1997 PM 2.5 and ozone NAAQS.	Kohlasch/ Seltz/Fenske	Ok	
10) Develop and submit 2006 PM 2.5 NAAQS SIPs.	Due no later than December 2012 Kohlasch/ Seltz/Fenske	Ok - no nonattainment SIP due, 110(a) SIP submitted	
11) Work with EPA to develop and implement local ozone reduction programs to help achieve attainment of 2011 8-hour ozone NAAQS prior to designations process.	Kohlasch/ Seltz/Fenske	N/A	
12) Submit SIPs for the §110(a)(2) infrastructure.	Due in Oct 2011 Kohlasch/ Seltz/Fenske	Lead 110(a) SIP is due in October 2011. Per discussion with EPA R5, MPCA will submit this with the lead nonattainment SIP in June 2012.	
13) Submit SIPs for the lead NAAQS.	Due January 2013 Kohlasch/ Seltz/Fenske	The MPCA intends to submit the Lead nonattainment SIP in June 2012.	
14) Submit SIPs for the areas designated lead nonattainment areas in December 2010.	Due June 2012 Kohlasch/ Seltz/Fenske	OK	
15) Conduct public notification and education efforts, including reporting air quality forecasts and current	Kohlasch/ Strassman	Ok	

conditions for ozone and particle pollution.			
16) Optional: Air Quality Management Plans (AQMPs) for the States of New York and North Carolina, and for the city of St. Louis (Missouri and Illinois) were available in spring 2010 (see www.epa.gov/oar/aqmp). States should refer to this information and should begin to integrate activities affecting or affected by air quality (e.g. land use, transportation, energy, climate, environmental justice, and ecosystem impacts) into their planning efforts.		N/A	
17) Work with EPA to recognize and address environmental justice issues that can be addressed in SIPs.	Kohlasch/ Seltz/Fenske/ Richfield	Conversations happened between EPA Region 5 and MPCA in Aug/Sept. 2011. Mary Pat Tyson told Dave Richfield that after consulting with several others at Region 5 she is comfortable with Minnesota making no formal commitment regarding EJ activities related to the Air Work Plan. However, EPA continues to expect MPCA to voluntarily try to make progress on a permit checklist and possibly some CARE grant related activities.	
18) Implement strategies for controlling emissions from wood smoke where it is a primary contribution to air quality problems, including woodstove changeout and Burnwise education campaigns and working with local area stakeholders	Kohlasch/ Seltz/Fenske	Ok	
19) Assist with outreach and capacity building for minority, low-income and indigenous communities to improve understanding of and	Richfield	Conversations happened between EPA Region 5 and MPCA in Aug/Sept. 2011. Mary Pat Tyson told Dave Richfield that after consulting with several others at Region 5 she is comfortable with Minnesota making no	

engagement in regulatory and permitting processes.		formal commitment regarding EJ activities related to the Air Work Plan. However, EPA continues to expect MPCA to voluntarily try to make progress on a permit checklist and possibly some CARE grant related activities.	
20) Explore feasibility of changing out existing outdoor wood-fired boilers to significantly reduce PM2.5 concentrations.	Kohlasch/ Seltz/Fenske		
21) Consult with EPA as necessary to finalize area designations on revised 2008 ozone and lead NAAQS.	Kohlasch/ Seltz/Fenske	Ok	
22) Work with local area stakeholders to support innovative, voluntary, early action initiatives such wood smoke reduction programs.	Kohlasch/ Seltz/Fenske	(Combined with #18)	

FY 2012 Regional Haze - Attainment Planning and Maintenance

Outputs/Measures	Progress Target Dates & Contact	State Commitments - Outputs/Measures and Outcomes – (should relate to the Output/Measure in column 1)	Reporting for Final Report or Annual Performance Report of Progress Made in Meeting Commitments (Outputs and/or Outcomes) in columns 1 and 3
1) Continue to work with EPA, Region 5 on issues related to submitted regional haze SIPs.	Kohlasch/ Seltz/Fenske	Ok	
2) Implement BART requirements.	Kohlasch/ Seltz/Fenske	Ok	
3) Submit any outstanding regional haze SIP elements.	Kohlasch/ Seltz/Fenske	Taconite BART will be submitted by 3/31/2012.	

FY 2012 - Permitting

Outputs/Measures	Progress Target Dates & Contact	State Commitments - Outputs/Measures and Outcomes – (should relate to the Output/Measure in column 1)	Reporting for Final Report or Annual Performance Report of Progress Made in Meeting Commitments (Outputs and/or Outcomes) in columns 1 and 3
(The following measures are funded with EPA Clean Air Act funding.)			
1) Provide timely review of construction permits issued compliant with Greenhouse Gas BACT.	Don Smith	Ok.	
2) Issue 78 % of major PSD/NSR permits within one year of receiving a complete permit application.	Don Smith	Ok.	

3) Issue NSR permits consistent with CAA requirements and enter BACT/LAER determinations in the RACT/BACT/LAER Clearinghouse (RBLC).	Don Smith	Ok	
4) Provide timeliness data on NSR permits issued for new major sources and major modifications by entering data including “the application accepted date” and “the permit issuance date” in to the RBLC national database.	Don Smith	Ok	
5) PSD-delegated States (IL and MN) coordinate with EPA to ensure that Endangered Species Act consultations are handled in a timely manner.	Don Smith	Ok	
6) Provide PSD/NSR permit applications to EPA prior to the start of the public comment period.	Don Smith	Ok	

2011-2015 Strategic Measures (Outcomes) - Reduce Air Toxics

By 2015, reduce emissions of air toxics (toxicity-weighted for cancer) to 4.2 million tons from the 1993 toxicity-weighted baseline of 7.2 million tons.

FY 2012 Air Toxics

Outputs/Measures	Progress Target Dates & Contact	State Commitments - Outputs/Measures and Outcomes – (should relate to the Output/Measure in column 1)	Reporting for Final Report or Annual Performance Report of Progress Made in Meeting Commitments (Outputs and/or Outcomes) in columns 1 and 3
1) Emission Inventory: (1) Develop HAP emission inventories for submission to EPA’s National Emissions Inventory (NEI) database; (2) submit data for the integrated HAP emissions inventory; (3) Quality assure, validate, and revise NEI data using EIS; and (4) Participate in Regional emission inventory workgroup conference calls. (this item is covered under OAQPS T001)	Kohlasch/ Fenske/TBD	Ok	
2) Implement delegated or approved section 112,	Kohlasch Seltz/Fenske	Ok	

111(d) and 129 standards, as appropriate, for major sources residual risk, and area sources.			
3) Participate in the quarterly State/Region 5 risk assessment conference calls. Participate in annual State/Region 5 air toxics meeting.	Kohlasch/ Sh. Burman	(covered under PPA) .Will commit to monthly calls. However, travel is subject to agency budget and administrative restrictions.	
4) Review and analyze NATA data, as available. R5 will provide timely access to and assistance to the review of the NATA data.	Kohlasch Sh. Burman	Ok	
5) Participate in research projects, policy issues and task forces that address identification and reduction of persistent bio-accumulative air toxic pollutants.	Kohlasch	As MPCA priorities and resources allow.	
6) Work with communities to develop and implement voluntary air toxics programs that address outdoor, indoor, and mobile sources with emphasis on areas with potential environmental justice concerns.	Kohlasch/ Richfield	Conversations happened between EPA Region 5 and MPCA in Aug/Sept. 2011. Mary Pat Tyson told Dave Richfield that after consulting with several others at Region 5 she is comfortable with Minnesota making no formal commitment regarding EJ activities related to the Air Work Plan. However, EPA continues to expect MPCA to voluntarily try to make progress on a permit checklist and possibly some CARE grant related activities.	
7) Work with communities to improve indoor air quality (IAQ) and to reduce associated human health risks caused by pollutants in the indoor environment commonly found in homes and schools. Promote voluntary practices and risk reduction actions that can be taken by the public and key stakeholders through the Asthma-ETS and Tools for Schools programs.	N/A	N/A	

<p>8) Look for a) opportunities to reduce risk from air toxics and PM ^{2.5} through voluntary and cooperative programs. such as Burn Barrels, Wood Stove Change-outs, and b) opportunities to integrate indoor air programs such as Tools for Schools, Asthma-ETS. Continue efforts c) focused on monitoring and reduction activities related to sources that emit mercury and products that contain mercury and implement the necessary tools to reduce and/or eliminate the use and/or release of mercury to the environment.</p>	<p>Kohlasch/ Patraw/ Giddings</p>	<p>a) See edits; b) This is under MN Dept of Health jurisdiction; c) <u>Mercury</u>: We will continue to seek mercury reduction through Mercury TMDL Implementation Plan, including reduction in mercury emission from air sources.</p>	
<p>9) Great Lakes Air Deposition Program: Address the deposition of persistent bioaccumulative toxics (PBTs) in the waterways of the Great Lakes Region. This effort includes, but is not limited to, PBT air monitoring, source characterization, source allocation, and source reduction efforts.</p>	<p>Kohlasch</p>	<p>1) Implement strategies to realize mercury emission reductions by timelines established in Mercury TMDL. 2) Promulgate mercury emission inventory rule to support implementation of the Mercury TMDL, expanded to include reduction plan submittal from existing sources. 3) Prepare State of Knowledge Report summarizing information on mercury releases and environmental response indicators. 4) Participate, <i>as state resources allow</i>, in implementation workgroups for Great Lakes Regional Collaboration regional mercury reduction strategies.</p>	

APPENDIX A

It is recommended to include Title V outputs/measures either here or in the Executive Summary portion of this document, even though Title V activities are not a part of the State Air Pollution Control Program funded with EPA Clean Air Act funding.

Goal: 1 - Clean Air & Global Climate Change³			
Objective 1.2: Improve Air Quality. Achieve and maintain health-based air pollution standards and reduce risk from toxic air pollutants and indoor air contaminants.			
2011 – 2015 Strategic Measures (Outcomes) - Reduce Criteria Pollutants and Regional Haze			
By 2015, the population-weighted average concentrations of ozone (smog) in all monitored counties will decrease to 0.073 ppm compared to the average of 0.078 ppm in 2009.			
By 2015, the population-weighted average concentrations of inhalable fine particles in all monitored counties will decrease to 10.5 µg/m ³ compared to the average of 11.7 µg/m ³ in 2009.			
By 2015, reduce emissions of nitrogen oxides (NOx) to 14.7 million tons per year compared to the 2009 level of 19.4 million tons emitted.			
By 2015, reduce emissions of sulfur dioxide (SO2) to 7.4 million tons per year compared to the 2009 level of 13.8 million tons emitted			
By 2015, reduce emissions of direct particulate matter (PM) to 3.9 million tons per year compared to the 2009 level of 4.2 million tons emitted.			
Outputs/Measures	Progress Target Dates & Contact	State Commitments - Outputs/Measures and Outcomes – (should relate to the Output/Measure in column 1)	Reporting for Final Report or Annual Performance Report of Progress Made in Meeting Commitments (Outputs and/or Outcomes) in columns 1 and 3
1) Issue a target of 4 significant power plant and refinery Title V permits in FY CY 2012.	Don Smith	Virginia & Hibbing will be issued by Oct. 1, 2011 Flint Hills by Jan 2012 Marathon by Dec 2012	
2) Obtain a 25% total reduction in Title V renewal backlog in CY 2012.	Don Smith	Issue 25 permit amendments for modifications that contain new or updated operating conditions to existing Title V facility permits.	
3) Ensure sources submit Title V applications for renewal. Due by January 31 and July 31.	Due by January 31 and July 31 Don Smith	N/A to Minnesota	
4) Provide timeliness data on new title V permits and significant permit modifications to EPA Regional offices for entry into TOPS.	Don Smith	Ok	
5) Continue to issue initial permits, significant modifications and renewal Title V permits and reduce backlog of renewal permits.	Don Smith	Ok	

³ EPA Measures are from National Program Guidance at <http://www.epa.gov/ocfopage/npmguidance/index.htm>, 40 CFR 35 at <http://www.gpoaccess.gov/cfr/>, and EPA Regional Priorities.

6) Cooperate with EPA in Title V permit program evaluations, set target to respond within 90 days to EPA's evaluation report and implement recommendations as warranted.	Don Smith	Ok	
7) Issue new Title V permits and significant permit modifications within 18 months of application completeness determined by permitting authority.	Don Smith	Ok	

**Minnesota PPG Max Workplan (with Three Essential Elements)
OW (Office of Water) [Sec 106 & 319] FFY 2009 – 2012
FFY11 Report with FFY12 Workplan revisions**

Code	Common Template Measures (Essential Element #2)	MPCA Contact	Planned Accomplishments/Commitments (Essential Element #3)	Comments/Status or Progress Report
Goal: 2 CLEAN AND SAFE WATER (Essential Element #1)				
Objective 2.2: Protect Water Quality: Protect the quality of rivers, lakes, and streams on a watershed basis and protect coastal and ocean waters.				
Sub-objective 2.2.1: Improve Water Quality on a Watershed Basis: By 2012, use pollution prevention and restoration approaches to protect the quality of rivers, lakes, and streams.				
Categorical Grant: Pollution control (Section 106)				
WQ-SP10 WQ-SP10. N11 (code change for FFY12)	Number of waterbodies identified in 2002 as not attaining water quality standards where standards are now fully attained. (cumulative)	Doug Wetzstein	<p>FFY 2009: 8 Waterbodies</p> <p>FFY 2010: 10 Waterbodies:</p> <ol style="list-style-type: none"> 1) Red River of the North (Fargo/Moorhead Dam A to Sheyenne River (ND)) 2) Redwood River (west line to Three mile Cr) 3) Cedar Creek (west line to Cedar Lk) 4) Pomme de Terre River: Muddy Cr to Minnesota R (Marsh Lk) 5) Swan River (Headwaters to Mississippi R) 6) Chippewa River (Watson Sag to Minnesota R) 7) Clearwater River (Ruffy Bk to Lost R) 8) Clearwater River (Trout stream portion) 9) Lost River (Anderson Lake to Hill R) 10) Tanners Lake 	<p>FFY 2009 Report: No change.</p> <p>FFY 2010 Report: adding 2 more 1)Clearwater R. (Red R. of the North Basin), Ruffy Br. to Lost R., E. Coli impairment 2)Lost R. (Red R. of the North Basin), Anderson L. to Hill R., E. Coli impairment</p> <p>FFY 2011 Report: Jewitts Creek, Headwaters (Lake Ripley) to N. Fork Crow River - Ammonia McKusick Lake - Nutrients Powderhorn Lake - Nutrients Credit River, Headwaters to Minnesota River - Turbidity</p>
WQ-01a	Number of States and Territories that have adopted EPA approved nutrient criteria into their water quality standards. (cumulative)	Shannon Lotthammer /Mark Tomasek	Lake nutrient standards were adopted as part of the 2008 triennial review.	<p>River nutrient standards are in progress and scheduled to be adopted in 2011.</p> <p>FFY 2010 Report: Still on track to develop river nutrient (eutrophication) water quality standards. One round of EPA Region 5 and RTAG review and comment on technical support document was completed; revised TSD submitted to EPA for review again in September 2010. Timeline has shifted to 2012 adoption due to several factors (see WQ-03a below).</p>

New language for FFY12	Number of numeric water quality standards for total nitrogen and for total phosphorus adopted by States and Territories and approved by EPA, or promulgated by EPA, for all waters within the State or Territory for each of the following waterbody types: lakes/reservoirs, rivers/streams, and estuaries.			<p><u>FFY 2011 Report:</u> Continued effort to develop river eutrophication standards. Rule and SONAR language are under development, and anticipated to be release during calendar year 2012. Schedule is being evaluated and refined in light of state government shutdown and other factors, most notably staff resource limitations affecting the pace of SONAR development. Currently focusing on developing implementation procedures.</p> <p><u>EPA Comment:</u> Final adoption likely will not occur until late 2012 or early 2013.</p>
WQ-01b New language for FFY12	<p>Number of States and Territories that are on schedule with a mutually agreed-upon plan to adopt nutrient criteria into their water quality standards. (annual)</p> <p>Number of numeric water quality standards for total nitrogen and total phosphorus at least proposed by States and Territories, or by EPA proposed rulemaking, for all waters within the State or Territory for each of the following waterbody types: lakes/reservoirs, rivers/streams, and estuaries.</p>	Shannon Lotthammer /Mark Tomasek	River nutrient standards are in progress and scheduled to be adopted in 2011. If changes are needed to nutrient criteria development plan in FY09, MPCA will submit them to EPA early enough so the changes can be mutually agreed upon by September 30, 2009.	<p><u>FFY 2009 Report:</u> On schedule.</p> <p><u>FFY 2010 Report:</u> Still on track to develop river nutrient (eutrophication) water quality standards. One round of EPA Region 5 and RTAG review and comment on technical support document was completed: revised TSD submitted to EPA for review again in September 2010. Timeline has shifted to 2012 adoption due to several factors (see WQ-03a below).</p> <p><u>EPA comment:</u> In Sept 2010, MN submitted changes in its Nutrient Criteria Plan to EPA revising the adoption date for river nutrient criteria to 2012.</p> <p><u>FFY 2011 Report:</u> Continued effort to develop river eutrophication standards. Rule and SONAR language are under development, and anticipated to be release during calendar year 2012. Schedule is being evaluated and refined in light of state government shutdown and other factors, most notably staff resource limitations affecting the pace of SONAR development. Currently focusing on developing implementation procedures.</p>

WQ-01c (new to FFY11 & 12)	Number of States and Territories supplying a full set of performance milestone information to EPA concerning development, proposal, and adoption of numeric water quality standards for total nitrogen and total phosphorus for each waterbody type within the State or Territory (annual).	Shannon Lotthammer /Mark Tomasek		<p><u>FFY 2011 Report:</u> Eutrophication standards adopted for lakes in 2008. Continued effort to develop river eutrophication standards. Focus of eutrophication standards is phosphorus since that is the primary driver of eutrophication in Minnesota waters. MPCA (with EPA support) is also working on toxicity-based nitrate standards to protect aquatic life; awaiting the results of further toxicity testing being done by the state of Illinois.</p> <p><u>EPA Comment:</u> In Aug 2011, MPCA identified that P is the limiting nutrient, and therefore, N criteria will not be adopted for streams or lakes. MPCA intends to pursue nitrate toxicity criteria.</p>
WQ-03a	Number, and national percent, of States and Territories that within the preceding three year period, submitted new or revised water quality criteria acceptable to EPA that reflect new scientific information from EPA or other resources not considered in the previous standards.	Shannon Lotthammer /Mark Tomasek	<p>EPA approved Minnesota's last triennial review on May 23, 2008, which included many new criteria: fish tissue-based mercury criteria, nutrient criteria for shallow lakes and reservoirs, criteria for the pesticides acetachlor and metolachlor, and E. coli bacteria criteria.</p> <ul style="list-style-type: none"> -- For FY09, MPCA will finalize the scope of the 2008-2011 triennial review and have draft rules developed by Sept 30, 2009. -- Once draft rules are available, MPCA and EPA Region 5 will meet with the U.S. FWS to informally discuss Endangered Species Act issues. -- MPCA will have draft antidegradation (non-degradation) rules and SONAR by the second quarter of FY09, and proposed rules and completed SONAR by Sept 30, 2009. -- MPCA and Region 5 will coordinate on any site-specific WQS revisions that may need to be developed. -- For any new or revised criteria, MPCA will provide EPA updated criteria templates for the Great Lakes Initiative Clearinghouse within 60 days of adoption. 	<p>New EPA criteria are being considered for 2011. Initial notice for the 2008-2011 triennial review was published in the State Register in July 2008. A series of public meetings were held to take comment on the scope of the rulemaking, and public comments were obtained during the comment period. MPCA and Region 5 discussed the scope of the triennial review on November 4, 2008. Region 5 continues to work with the MPCA on antidegradation rulemaking issues as needed. Region 5 expects to provide a more complete review and comment once draft rules and SONAR documentation are available.</p> <p><u>FFY 2009 Report:</u> The MPCA is completing drafts of technical support documents (TSD) for criteria (e.g. river eutrophication, turbidity, nonlyphenol, various human health) to be included in the 2008 – 2011 triennial review. A draft technical report has been reviewed with final comments submitted to the University of Minnesota in support of Class 3 and 4 revisions. EPA contracted nitrate lab toxicity studies are completed and a final report is anticipated in the next months. Completion of these necessary items has delayed SONAR and draft rule. A revised schedule will be discussed with EPA Water Quality Standards staff when TSD and other documents are final. Antidegradation stakeholder meetings are completed. A draft comparative analysis detailing</p>

				<p>current and proposed antidegradation implementation approaches is being routed for internal evaluation. Initiating SONAR and rule writing is anticipated in late Spring 2010 with hearings and rule adoption in 2011. MPCA has been coordinating with EPA standards and TMDL staff on a number of site specific standards and will be continuing this effort achieving final EPA approval of site specific standards.</p> <p><u>FFY 2010 Report:</u></p> <ul style="list-style-type: none"> · Work on the TSDs for the triennial standards review have continued (including addressing EPA comments), with public release & comment anticipated early in FFY 2011. MPCA research scientists also presented draft approaches to the river eutrophication standards in a few venues. A delay in receiving a final report on the nitrate toxicity testing and inclusion of additional opportunities for public comment has delayed the completion of the triennial from 2011 to late 2012. EPA Region 5 concurred with the schedule change in August 2010. <p><u>EPA comment:</u> The final report containing nitrate toxicity testing results was provided to MPCA in November 2010. EPA provided comments on several draft TSD documents in the first quarter of FY 2011 and continues to review others.</p> <ul style="list-style-type: none"> · Work has also continued on the antidegradation rulemaking. MPCA staff provided responses to questions raised in the written comments received from stakeholder meeting attendees, conducted an internal review of options for antidegradation implementation, and developed a comparative analysis detailing current and proposed implementation approaches, which was posted on the MPCA web site for stakeholder review. <p><u>FFY 2011 Report:</u> Rule language and SONAR development underway for both the triennial standards and</p>
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WQ-05	Number of States and Territories that have adopted and are implementing their monitoring strategies in keeping with established schedules.	Glenn Skuta	<p>Continue to implement the 2004 Minnesota Monitoring Strategy:</p> <ul style="list-style-type: none"> *Intensively monitor 6-8 watersheds each year. This includes biological, physical and chemical monitoring of streams; flow and chemistry monitoring at the outlets of each watershed; monitoring 80-100 lakes each year (focusing on lakes >500 acres); and supporting citizen and local monitoring. This level of effort depends on continued state funding at the same level as the SFY2008-2009 biennium; if that funding is not continued, the planned accomplishments will need to be adjusted. *Continue to actively participate in the national probabilistic monitoring efforts (lakes, streams, wetlands, coastal waters), and conduct state-level probabilistic monitoring either as an add-on to the national studies or through a parallel state monitoring effort (example: state wetland WQ monitoring). *Conduct sampling at 65 wetland probability sites. *Continue to monitor ambient ground water quality in accordance with the state's integrated ground water quality monitoring system. In this inter-agency approach, the MPCA 	<p>The state is implementing a 10-year cycle for watershed monitoring. Planned accomplishments over the 10-year cycle are to intensively monitor all of the state's major (8-digit hydrologic unit code) watersheds, all of the lakes 500 acres or larger, and at least 25 percent of the lakes between 100 and 500 acres. Lake monitoring will be targeted through the use of citizen and remote-sensing data.</p> <p><u>FFY 2009 Report:</u> On schedule.</p> <p><u>FFY 2010 Report:</u></p> <ul style="list-style-type: none"> • Intensive watershed monitoring (IWM) is on schedule. IWM has taken place in 24 of the state's 81 watersheds. • Participated in the national probabilistic monitoring effort for streams in 2008-2009-2010 and for coastal waters in 2010; participating in

			<p>monitors about 100 wells per year, focusing on non-agricultural chemicals in urban areas.</p> <p>*Actively participate in and attend the Surface Water Monitoring and Standards Meeting and bio-assessment meetings.</p> <p>*Transfer water quality data to EPA's STORET Warehouse during 2009. Continue working with the consortium of states and EPA to develop a replacement system to the EPA STORET water quality data management system for state use.</p> <p>*Communicate statewide stream classification system developed in 2008, and develop IBIs based on the new classification system.</p> <p>*Develop a biocondition gradient for Minnesota basins and ecoregions for use in IBI in setting thresholds for impairment.</p> <p>*Communicate with external stakeholders about the purpose and expectations of TALU.</p> <p>*Continue to sample to support TALU classification system, and complete data analysis needed for TALU development.</p>	<p>design and fieldwork at 21 sites and 2 revisits for wetlands in 2011 and lakes to be sampled in 2012.</p> <ul style="list-style-type: none"> Monitoring ambient ground water quality at 110 wells currently, with additional wells being installed or being given access to in 2011. Transferred data to STORET warehouse. Initiated use of EQuIS system as STORET replacement. IBIs in development. <p><u>FFY 2011 Report:</u></p> <ul style="list-style-type: none"> Intensive watershed monitoring (IWM) is on schedule. IWM has taken place in 35 of the state's 81 watersheds. Participated in the national probabilistic monitoring effort for streams (mop-up of remaining sites) and wetlands in 2011, and planning for lakes to be sampled in 2012. Monitoring ambient ground water quality at 111 wells currently, with additional wells being installed or being given access to in 2011 and 2012. On track to have all 200 wells installed by the end of 2012. Using EQuIS system as STORET replacement. Replacing Hydstra time series database with Aquarius system. IBIs and BCGs developed and used for assessment of 11 watersheds. Ongoing TALU development. Updated 2004 strategy and submitted 2011-2021 Water Quality Monitoring Strategy.
WQ-08b	<p>Number, and national percent, of approved TMDLs, that are established by States and approved by EPA [State TMDLs] on a schedule consistent with national policy.</p> <p>Note: A TMDL is a technical plan for reducing pollutants in order to attain water quality standards. The terms 'approved' and</p>	Doug Wetzstein	<p>60 TMDLs each for FY09 and FY10. For FY11& 12 the commitment will be based on an updated pace calculation that takes into account changes in MPCA's 2010 303(d) List and the number of actual TMDLs approved in FY09 & 10.</p>	<p><u>FFY 2009 Report:</u> EPA approved 11 TMDL projects addressing 61 listings in FFY09. EPA has indicated that the goal for FFY10 is 70.</p> <p><u>FFY 2010 Report:</u> EPA approved 15 TMDL projects addressing 132 impairments in FFY10. EPA has indicated that the goal for FFY11 is 50.</p> <p><u>FFY 2011 Report:</u> EPA approved 19 TMDL projects addressing 31 listings in FFY2011. EPA has indicated that the goal for FFY2012 is 60.</p>

	'established' refer to the completion and approval of the TMDL itself.			
WQ-12a	Percent of facilities covered by NPDES permits that are considered current. [Note: Measure will still set target and commitment and report results in both % and #.]	Marni Karnowski/ Aaron Luckstein	The MPCA will ensure that 100 % of general NPDES permits are considered current and 90% of facilities covered under general permits have current notices of coverage. The MPCA will also ensure that 90 % of NPDES individual permits will be considered current. Currently, the MPCA has 1168 NPDES permitted facilities, 725 facilities covered under individual permits and 443 facilities covered under general permits.	<p><u>FFY 2009 Report:</u> The agency ensured that in FFY 2009 90% or more if its NPDES permits were current. As of today, 10/22/09, the percent of permits that are current is 93.4% (1609 out of 1723 total permits). This total includes both individual and general permits.</p> <p><u>FFY 2010 Report:</u> As of the end of FFY 2010, 80.9% (332/1740) of permits were considered current. A large part of the backlog (approximately 187 permits) was the result of the delayed re-issuance of general permit MNG58, which was issued on 9/30/10. As the Notices of Coverage are issued for this general permit, the permit backlog should decrease to around 10%.</p> <p><u>FFY 2011 Report:</u> As of the end of 9/30/2011, 82% (1460/1781) of permits were considered current. A large part of the backlog (approximately 167 permits) was the result of the delayed re-issuance of general permit MNG49, which expired on 9/30/11. For FFY2012 we anticipate similar performance level due to staff shortage and the difficulty of permits getting issued. We're also concentrating on watershed permitting.</p> <p><u>EPA Comment:</u> EPA asks Minnesota to provide a list of expired permits for major dischargers. For each permit, we ask the State to indicate whether the State is on track to issue the permit in FFY12. For any permit that is not on track, we ask the State to identify the cause for delay and propose Minnesota and/or EPA actions that could accelerate the pace of work toward issuance.</p> <p><u>MPCA Comment:</u> We will attach a spreadsheet with the requested information. " File name: Expired Major Permits.xlsx</p>

WQ-13a	Number, and national percent, of facilities covered under either an individual or general MS-4 permit.	Beth Lockwood	<p>*During FY 2009 we will issue general permit coverage to all 235 Small MS4s and reissue the individual permits to the two Phase I large MS4s.</p> <p>*Reissue general permit in 2011.</p>	<p>As of October 2008 we have public noticed 89% of the 235 small MS4s and issued permit coverage to 79%. Non-degradation loading assessments and degradation assessments are planned to be completed during FY09. Finally, Outstanding Resource Value Waters assessments for 25 MS4s will either be completed in FY09 or will have schedules to complete them established.</p> <p><u>FFY 2009 Report:</u> Permit coverage was issued in FY09 to all remaining of the 235 small MS4s. The Select 30 (of the 235) MS4s have specific non-degradation study requirements. Review of the non-degradation submittals was completed in FY09; public notices of the Select 30's non-degradation determinations are planned for FY10.</p> <p>The two Phase I large MS4 individual permits were delayed for reissuance until late 1st Qtr. FY10 or early 2nd Qtr. FY10, due to the need for additional time to work through differences with the regulated cities on requirements regarding non-degradation and monitoring.</p> <p><u>EPA comment:</u> MPCA asked EPA to review the pre-public notice draft Phase I MS4 permits for Minneapolis and St. Paul in 15 days. The State asked EPA to limit our comments to issues or concerns that would cause us to object to the permits. EPA completed its review within the time requested by the State. EPA did not find any provisions in either permit that would cause the region to object to the permits.</p> <p><u>FFY 2010 Report:</u> Completed 22 Phase 2 MS4 audits. First draft of the Phase 2 MS4 permit completed and targeted for public notice in late 2010. The Phase I Minneapolis and St. Paul permits were public noticed; extensive comments and a contested case hearing requests were received for each. Response to comments document was drafted;</p>
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WQ-13b	Number, and national percent, of facilities covered under either an individual or general industrial storm water permit.	Beth Lockwood /Ken Moon	<p>During FY 2009, public notice the Industrial Stormwater multi-sector general permit. By 12-31-09, issue permit. Then extend coverage to approx. 1,760 known plus unknown number of additional ISW facilities, along with administration of (currently 2,327 of these) no-exposure certifications and on-going reissuance of individual permits.</p>	<p>Two years into stakeholder work on general permit reissuance--likely to be controversial, contested case hearing and court appeals possible. More than 1,000 no exposure certifications received. Number of facilities to be covered under general permit likely much larger than current 1,760.</p> <p><u>FFY 2009 Report:</u> Three years into stakeholder work on general permit reissuance.</p> <p>Public notice and 60 day comment period on draft permit ended September 4, 2009. Response to numerous comments and several contested case hearing requests currently underway; preparing for MPCA Citizens' Board in January 2010.</p> <p><u>EPA comment:</u> MPCA asked EPA to review the pre-public notice draft General Permit for Storm Water Discharges Associated with Industrial Activities in 15 days. The State asked EPA to limit our comments to issues or concerns that would cause us to object to the permits. EPA completed its review within the time requested by the State. EPA did not find any provisions that would cause the region to object to the permit. Since November 2009,</p>

				<p>Region 5 staff has assisted MPCA with issues including applicability determinations, sector-specific requirements and a Q&A document MPCA is developing for industrial storm water dischargers.</p> <p><u>FFY 2010 Report:</u> General ISW Permit issued on April 5, 2010. Permitted ISW: 1233 No exposure ISW: 1400</p> <p><u>FFY 2011 Report:</u> General ISW Permit issued on April 5, 2010. For the period 10/1/10 – 9/30/11, 1467 ISW permit applications and 1989 No Exposure Exclusions. The total number of all active permits and registrations varies over time. As of 11/2/11, 1455 of these FFY 2011 permits and 1974 No Exposure Exclusions remain active.</p>
WQ-13c	Number of facilities covered under either an individual or general construction storm water site permit.	Beth Lockwood /Brian Livingston	Cover all CSW projects under CSW general permit, or virtually all. Reissue general permit by Aug. 1, 2013.	<p>Number of projects permitted varies daily, approx. 3,000 active sites in current market. General permit issued 8-1-08, and preparations for reissuance will not start until end of this 4-year work plan.</p> <p><u>FFY 2009 Report:</u> For the period 10/1/08 – 9/30/09, 1,685 CSW permit applications and 427 subdivision registrations were submitted. The total number of all active permits and registrations varies daily. As of 10/20/09, 1,494 of these FFY 2009 permits and 381 registrations remain active.</p> <p>CSW permit application data is available on the Construction Stormwater Program web site at: http://www.pca.state.mn.us/water/stormwater/stormwater-c.html. Click on Construction Stormwater Permit Search under Permit and Program Forms.</p> <p>Preparations for CSW general permit reissuance will not start until end of this 4-year work plan. Many other areas of the Stormwater Program have a greater demand in FY10. Staff previously working on the CSW general permit and guidance development in the past will dedicate more time to</p>

				<p>other areas such as industrial, municipal, non-degradation rule development, etc.</p> <p><u>EPA comment:</u> EPA will work with all states, including Minnesota to ensure that the Final Effluent Limitations Guidelines and New Source Performance Standards for the Construction and Development Point Source Category are incorporated into its general permit when it is reissued in 2013.</p> <p><u>FFY 2010 Report:</u> For the period 10/1/09 – 9/30/10, 1533 CSW permit applications and 498 subdivision registrations were submitted. The total number of all active permits and registrations varies daily. As of 11/15/10, 1370 of these FFY 2010 permits and 412 registrations remain active.</p> <p><u>FFY 2011 Report:</u> For the period 10/1/10 – 9/30/11, 1465 CSW permit applications and 474 subdivision registrations were submitted. The total number of all active permits and registrations varies daily. As of 11/2/11, 1364 of these FFY 2011 permits and 424 subdivision registrations remain active.</p>
WQ-13d	Number of facilities covered under either an individual or general CAFO permit.	Randy Hukriede	<p>1. 95% of all facilities covered by a current NPDES permit 2. Revise & reissue the feedlot general permit</p>	<p><u>FFY 2009 Report:</u></p> <p>1. As of September 30, 2009, 94% of CAFOs have a current NPDES permit.</p> <p>2. The feedlot general permit was approved for issuance by the MPCA Board on October 27, 2009. The permit application packet is scheduled to be mailed to all feedlot owners that are eligible for coverage under the general permit in January 2010.</p> <p><u>FFY 2010 Report:</u></p> <p>1. As of September 30, 2010, 97% of CAFOs have a current NPDES permit.</p> <p>2. The permit application packet for the 2011-2016 feedlot general permit was made available to eligible feedlot owners in May 2010. As of September 30, 2010,</p>

			<p>FFY 2012 Revisions: Commitment #1. 95% of all CAFOs required by EPA to have an NPDES permit, and facilities with 1000 or more animal units, are covered by a current NPDES or SDS permit.</p>	<p>- 972 permit applications were received, and - 468 permit coverages were reissued or on public notice with intent to reissue.</p> <p>FFY 2011 Report: As of September 30, 2011 97 % of CAFOs are covered by a current NPDES permit.</p> <p>1,139 eligible CAFOs were reissued general permit coverage. Only 24 eligible CAFOs did not submit an application for reissuance prior to the expiration date of the general permit (May 31, 2011). Steps have been initiated to address these 24 CAFOs.</p>
WQ-14a	Number, and national percent, of Significant Industrial Users (SIUs) that are discharging to POTWs with Pretreatment Programs that have control mechanisms in place that implement applicable pretreatment requirements.	Paul Scheirer	Report Significant Industrial Users (SIUs) in delegated pretreatment POTWs with current unexpired control mechanisms: # with, # without, and % with.	<p>The number in 2008 was 358 out of 358 SIUs.</p> <p>FFY 2009 Report: same as 2008 358 - with 0 - without 100% - with</p> <p>FFY 2010 Report: 363 - with 2 - without 99.5% - with</p> <p>FFY 2011 Report: 371 – with 0 – without 100% - with</p>
WQ-15a	Percent of major dischargers in Significant Noncompliance (SNC) at any time during the fiscal year.	Paul Scheirer & Ken Moon	13% annually from FFY2009-2012	<p>FFY 2009 Report: During Fiscal Year 2009, only 3.0% of Minnesota Majors were in SNC at any time during the 12 month period.</p> <p>FFY 2010 Report: The SNC rate for Majors 4.1%.</p> <p>FFY 2011 Report: The SNC rate for Majors = 7.0%</p>

WQ-19a	Number of high priority state NPDES permits that are issued as scheduled in the fiscal year.	Marni Karnowski/ Aaron Luckstein	The MPCA will issue at least 95% of its high priority NPDES permits as scheduled. The MPCA maintains a 3-year priority permit schedule, which often fluctuates due to factors such as changes to water quality standards or effluent limit guidelines, potential to impact impaired waters, changes to national priorities, etc.	<p><u>FFY 2009 Report:</u> The agency issued 100% (13 permits) of its Priority Permits in FFY 2009.</p> <p><u>EPA comment:</u> EPA agrees that Minnesota issued 13 priority permits in FFY 2009. EPA Headquarters reports that the State issued nine priority permits. The discrepancy between 13 and nine is due to date on which EPA Headquarters pulled data from PCS.</p> <p><u>FFY 2010 Report:</u> The agency issued 100% (19 permits) of its Priority Permits in FFY 2010.</p> <p><u>FFY 2011 Report:</u> The agency committed to issuing 19 priority permits in FFY11. The agency exceeded its commitment by issuing 36 priority permits.</p>
WQ-20	Number of facilities that have traded at least once plus all facilities covered by an overlay permit that incorporates trading provisions with an enforceable cap.	Gene Soderbeck	19 facilities have traded at least once. There are also 42 facilities currently covered under the Minnesota River Basin General Phosphorus Permit with enforceable caps. These numbers are our baseline and will increase in each year to reflect Pre-TMDL trades for new dischargers upstream of impaired waters or within and the Minnesota River Basin. MPCA will maintain this same work level in subsequent years, FY2010, FY2011 & FY2012.	<p><u>FFY 2009 Report:</u> 19 facilities have traded at least once. 42 facilities covered by the Minnesota River Basin General Phosphorus Permit cap.</p> <p><u>FFY 2010 Report:</u> 25 facilities have traded at least once 45 facilities are now covered by the Minnesota River Basin General Phosphorus Permit cap, one of which is the Lower Sioux Tribe.</p> <p><u>FFY 2011 Report:</u> 27 facilities have traded at least once and 46 facilities are now covered under Appendix B in the MN River Basin permit</p>

SS-1	<p>Number and national percent, using a constant denominator, of Combined Sewer Overflow (CSO) permits with a schedule incorporated into an appropriate enforceable mechanism, including a permit or enforcement order, with specific dates and milestones, including a completion date consistent with Agency guidance, which requires: 1) Implementation of a Long Term Control Plan (LTCP) which will result in compliance with the technology and water quality-based requirements of the Clean Water Act; or 2) implementation of any other acceptable CSO control measures consistent with the 1994 CSO Control Policy; or 3) completion of separation after the baseline date. (cumulative)</p>	Bill Priebe	<p>None.</p> <p><u>FFY2011 Revisions (by EPA):</u> The State issued an NPDES/SDS permit for Minneapolis for their CSO issues until the remaining work is complete. Final issuance of Minneapolis NPDES/SDS Permits was issued and went into effect January 21, 2011.</p> <p><u>MPCA Response:</u> Termination of the Minneapolis and St. Paul CSO permits are still under negotiation with the permittees. The referenced permit which went into effect Jan. 21, 2011 for Minneapolis was for their MS4 storm water permit not for their CSO permit.</p>	<p><u>FFY 2009 Report:</u> The St. Paul and Minneapolis CSO Permits have expired. St. Paul is 100% separated so that permit will be terminated. Minneapolis is 99% separated and has some remaining work to do. The appropriate enforceable mechanism is being determined to ensure Minneapolis completes the remaining work by the end of 2012.</p> <p><u>FFY 2010 Report:</u> The St. Paul and Minneapolis CSO Permits have expired. Work continues on terminating the St. Paul permit since it is 100% separated. Minneapolis is 99% separated and has some remaining work to do. The appropriate enforceable mechanism is being determined to ensure Minneapolis completes the remaining work by the end of 2012.</p> <p><u>FFY 2011 Report:</u> The St. Paul and Minneapolis CSO Permits have expired. St. Paul is 100% separated. Minneapolis is 99% separated, but has experienced a couple of overflows the past year. Whether the expired permits can be terminated or if some enforcement mechanism is necessary to address potential overflows is being determined.</p>
	# of Commitments: 16			

Code	State Negotiated Measures (Essential Element #2)	MPCA Contact	Planned Accomplishments/Commitments (Essential Element #3)	Comments/Status or Progress Report
WQ07 1)	Number of States and Territories that provide electronic information using the Assessment Database version 2 or later (or compatible system) and geo-reference the information to facilitate the integrated reporting of assessment data.	Shannon Lotthammer	Complete necessary efforts in FY09 to submit Integrated Report assessment information using the Assessment Database along with geo-referencing information in 2010 and 2012. If changes are made to the 303(d) list after ADB submission, the state will revise the ADB and geo-referencing files as needed and resubmit to EPA. During 2009 (and 2011), begin preparations for reporting and begin entering assessment information into ADB. During 2009, MPCA will continue efforts with MDOH and Reg. 5 to develop and implement an assessment methodology and make drinking water use assessment determinations for waterbodies with Public Water Supply intakes. MPCA will also work to ensure that Integrated Report (303(d) and 305(b)) determinations are accurately and consistently reflected in the ADB.	<p>FFY 2009 Report: On schedule.</p> <p>FFY 2010 Report: On schedule -- MPCA submitted the draft 2010 303(d) list, ADB files and Integrated Report during third quarter FFY10. This included drinking water use assessments based on the state's Class 1 nitrate standard.</p> <p>FFY 2011 Report: Assessment process was significantly re-designed and piloted in 2010, and implemented in 2011. Met with EPA Region 5 to overview the revised process in October 2011. On tract to submit the 2012 Integrated Report and draft 303(d) list in April 2012.</p>
WQ-14b 2)	Number of Categorical Industrial Users (CIUs) in non-delegated pretreatment POTWs with MPCA permits: # with, # without, and % with.	Paul Scheirer	Report known Categorical Industrial Users (CIUs) in non-delegated pretreatment POTWs with MPCA permits: # with, # without, and % with.	<p>FFY 2009 Report: 52 - with 1 - without 98% - with</p> <p>FFY 2010 Report: 54 - with 0 - without 100% - with</p> <p>FFY 2011 Report: 51 - with 0 - without 100% with</p>
3)	Number of type of compliance monitoring actions performed at point sources, indirect dischargers, and biosolid generators or users	Paul Scheirer & Ken Moon	<p>Meet targets in state-specific Compliance Monitoring Strategy as negotiated on an annual basis.</p> <p>FFY 2010: Minnesota Compliance Monitoring Strategy (CMS) dated 12/2009 was approved by Region 5 on 2/17/2010. This approval provided specific flexibility in the following areas: Industrial Minors, Significant Industrial Users, Biosolids and Industrial Storm Water.</p>	<p>FFY 2009 Report: The accomplishments of the water compliance programs are detailed in the attached NPDES Compliance Monitoring Strategy (CMS), FFY09 End of Year report on lines 22-26 of the spreadsheet. These accomplishments are based off of the FY09 CMS commitments Minnesota made in cooperation with EPA Region 5.</p>

EPA Comments (for FFY10):

Minnesota Compliance Monitoring Strategy (CMS) dated 12/2010 was approved by Region 5 on 2/23/2011. This approval provided specific flexibility in the following areas: Industrial Minors, Significant Industrial Users, Biosolids, and CIU/SIU in non-approved programs, MS4 Phase 2, and Industrial Storm Water.

“ File name: FFY09 CMS Report EndOfYear – Minnesota.xlsx

FFY 2010 Report:

The accomplishments of the water compliance programs are detailed in the attached NPDES Compliance Monitoring Strategy (CMS), FFY10 End of Year report on line 24 of the spreadsheet. These accomplishments are based off of the FY10 CMS commitments Minnesota made in cooperation with EPA Region 5.

“ **File name: FY10 CMS End-of-Year Report – MPCA**

EPA Comments:

MN met or exceeded their commitments in all categories except for the following 3: bio-solid (majors), ISW inspections, and CIUs. EPA recognizes that this shortfall is due to the reductions in staffing and inability to rehire due to loss of resources.

FFY 2011 Report:

The accomplishments of the water compliance programs are detailed in the attached NPDES Compliance Monitoring Strategy (CMS), FFY11 End of Year report on line 24 of the spreadsheet. These accomplishments are based off of the FY11 CMS commitments Minnesota made in cooperation with EPA Region 5.

“ **File name: FY11 CMS End-of-Year Report – MPCA**

** (to avoid confusion, we’re not sending another attachment as this same report was already sent to the EPA’s intended recipient)

EPA Comment:

MPCA met or exceeded their commitments in all categories except for the following: MS4 Phase 2, and ISW. EPA recognized that this shortfall is due to the reduction in staffing and inability to rehire due to loss of resources.

of Commitments: 3

Categorical Grant: Non-point Source (Section 319)

P-10	Number of waterbodies identified by States (in 1998/2000 or subsequent years) as being primarily nonpoint source (NPS) - impaired that are partially or fully restored. (cumulative)	Doug Wetzstein & Juline Holleran	<p>FFY 2009: 4 Waterbodies</p> <p>FFY 2010: 6 Waterbodies:Chippewa River (Watson Sag to Minnesota River) – Ammonia Clearwater River (Ruffy Bk to Lost River) – E.Coli Clearwater River (Trout stream portion) – Fecal Coliform Lost River (Anderson Lk to Hill River) – E. Coli Powderhorn Lake – Nutrients (Category 4b) Tanners Lake – Nutrients</p>	<p>FFY 2009 Report: No change.</p> <p>FFY 2010 Report: adding 2 more 1. Clearwater R. (Red R. of the North Basin), from Ruffy Br. to Lost R., E. Coli impairment 2. Lost R. (Red R. of the North Basin), Anderson L. to Hill R., E. Coli impairment</p> <p>FFY 2011 Report: Pending Jewitts Creek, Headwaters (Lake Ripley) to N. Fork Crow River - Ammonia McKusick Lake - Nutrients Powderhorn Lake - Nutrients Credit River, Headwaters to Minnesota River - Turbidity</p>
# of Commitments: 1				

**Minnesota PPG Max Workplan (with Three Essential Elements)
OSWER (Office of Solid Waste and Emergency Response) [HW Fin. Assistance] FFY 2009 – 2012
FFY11 Report with FFY12 Workplan revisions**

Code	Common Template Measures (Essential Element #2)	MPCA Contact	Planned Accomplishments/Commitments (Essential Element #3)	Comments/Status or Progress Report
Goal: 3 LAND PRESERVATION AND RESTORATION (Essential Element #1)				
<p>Objective 3.1: Preserve Land: By 2011, reduce adverse effects to land by reducing waste generation, increasing recycling, and ensuring proper management of waste and petroleum products at facilities in ways that prevent releases.</p> <p>Sub-objective 3.1.2: Manage Hazardous Wastes and Petroleum Products Properly: By 2011, reduce releases to the environment by managing hazardous wastes and petroleum products properly.</p>				
Categorical Grant: Hazardous Waste Financial Assistance				
HW3	HW0 - Number of hazardous waste facilities with new or updated controls.	Ainars Silis/Willie Harris/Mary Setnicar EPA	<p>Reissue FY09 workplan: NewPage, SPX/Sartell, Burlington Northern, Gopher Resource, Ashland Inc., terminate IBM permit.</p> <p>Reissue FY10 workplan: Xcel, Safety-Kleen Eagan, Safety-Kleen Blaine, 3M</p> <p>Reissue FY11 workplan: 3M, Xcel, Safety-Kleen Eagan, Safety-Kleen Blaine, Alliant Proving Ground, UofM-FTCEM, Minnesota Air National Guard-closing, Minnesota Power-Closing, Mayo</p> <p>Reissue FY12 workplan: 3M, Burlington Northern, University Of Mn., Mayo Clinic, Gerdau Ameristeel, Safety-Kleen Cloquet, BAE, Univar</p>	<p>Permits include financial assurance & closure cost estimates.</p> <p>Next 5-year cycle of permits may include P2 possibilities.</p> <p>FFY 2009 Report: New Page permit reissued 10/15/08.SPX moved to 2010 and public noticed 10/09/09. Burlington Northern, working with Superfund to address remediation approach. Gopher Resource permit reissued 4/23/09. Ashland permit reissued 5/12/09. IBM permit termination moved to 2010 to be completed in October 2009.</p> <p>FFY 2010 Report: Ashland financial assurance minor mod issued 4/2/10. SPX Corp/City of Sartell reissued 6/24/10. Minco Products permit terminated 7/15/10.</p> <p>FFY 2011 Report: Closure of Mn. Air National Guard and Mn. Power. Reissued Safety Kleen Eagan, Safety Kleen Blaine, Xcel Energy, and Alliant Proving Grounds.</p>
	#of Commitments:1			

Goal: 3 LAND PRESERVATION AND RESTORATION (Essential Element #1)

Objective 3.2: Restore Land: By 2011, control the risks to human health and the environment by mitigating the impact of accidental or intentional releases and by cleaning up and restoring contaminated sites or properties.

Sub-objective 3.2.2: Clean up and Revitalize Contaminated Land: By 2011, control the risks to human health and the environment at contaminated properties or sites through cleanup, stabilization, or other actions and make land available for reuse.

CA1	Number of RCRA facilities with human exposures under control.	Crague Biglow/ Hak Cho - EPA	<p>In 2009, MPCA will commit to 5 RCRA facilities with human exposures under control (CA 725). MPCA and Region 5 will renegotiate the commitment for this measure in 2010 and 2011.</p> <p><u>FFY 2010 Revisions:</u> In 2010, MPCA will commit to achieving human exposures under control (CA 725) at 92% of 2020 sites. MPCA and Region 5 will re-negotiate the commitment for this measure in 2011.</p> <p><u>FFY 2011 Commitments:</u> Achieve Human exposures controlled (CA725) at 93% of Minnesota's facilities on the 2020 GPRA baseline list.</p> <p><u>FFY 2012 Commitments:</u> Achieve Human exposures controlled (CA725) at 93% of Minnesota's facilities on the 2020 GPRA baseline list.</p>	<p>RCRA Corrective Action 2020 GPRA sites.</p> <p>FFY 2009 Report: Human exposures are controlled (CA725) at 91% of Minnesota's facilities on the 2020 GPRA baseline list. The MPCA has sufficiently met the 2009 PPG CA725 goals in context of the 2020 GPRA goals.</p> <p>FFY 2010 Report: Human exposures are controlled (CA725) at 92% of Minnesota's facilities on the 2020 GPRA baseline list. The MPCA has sufficiently met the 2010 PPG CA725 goals in context of the 2020 GPRA goals.</p> <p>FFY 2011 Report: Human exposures are controlled (CA725) at 93% of Minnesota's facilities on the 2020 GPRA baseline list. The MPCA has sufficiently met the 2011 PPG CA725 goals in context of the 2020 GPRA goals.</p>
CA5	Number of RCRA facilities with final remedies constructed.	Crague Biglow/ Hak Cho - EPA	<p>In 2009, MPCA will commit to 5 RCRA facilities with final remedies constructed (CA 550). MPCA and Region 5 will renegotiate the commitment for this measure in 2010 and 2011.</p>	<p>RCRA Corrective Action 2020 GPRA sites.</p> <p>FFY 2009 Report: Remedies have been constructed (CA550) at 83% of Minnesota's facilities on the 2020 GPRA baseline. The MPCA has sufficiently met the 2009 PPG CA550 goals in context of the 2020 GPRA goals.</p>

		<p>FFY 2010 Revisions: In 2010, MPCA will commit to achieving final constructed (CA 550) at 83% of 2020 sites. MPCA and Region 5 will re-negotiate the commitment for this measure in 2011.</p> <p>FFY 2011 Commitments: Achieve Remedies constructed (CA550) at 85% of Minnesota's facilities on the 2020 GPRA baseline.</p> <p>FFY 2012 Commitments: Achieve Remedies constructed (CA550) at 88% of Minnesota's facilities on the 2020 GPRA baseline.</p>	<p>FFY 2010 Report: Remedies have been constructed (CA550) at 83% of Minnesota's facilities on the 2020 GPRA baseline. The MPCA has sufficiently met the 2010 PPG CA550 goals in context of the 2020 GPRA goals.</p> <p>FFY 2011 Report: Remedies have been constructed (CA550) at 86% of Minnesota's facilities on the 2020 GPRA baseline. The MPCA has sufficiently met the 2011 PPG CA550 goals in context of the 2020 GPRA goals.</p>
	#of Commitments: 2		

Code	State Negotiated Measures (Essential Element #2)	MPCA Contact	Planned Accomplishments/Commitments (Essential Element #3)	Comments/Status or Progress Report
1)	Hazardous Waste Compliance and Enforcement See note below*	Jeff Connell & John Elling/ Ken Zolnierczyk - EPA	With USEPA inspect all operating TSDs every 2 years; With USEPA and JPA Counties, inspect LQGs every 5 years unless operating under a flexibility plan; address violations in accordance with the MPCA Enforcement Response Plan, collect data and ensure data is entered into appropriate national database systems in a timely manner; Research, develop, test and implement efforts to increase pollution prevention practices, innovate regulatory programs and increase environmental performance.	<p>FFY 2009 Report: The MPCA conducted 12 TSDF CEI's and met the Federal Commitment for this fiscal year. The MPCA is still operating under a flexibility plan. Under that plan the MPCA completed the following; 14 LQG CEI's, 16 LQG CEI Hospital Initiative inspections, 18 LQG CEI's Hennepin County JPA, 1 Adjusted LQG CEI now reporting as a SQG. The Significant compliance rate for FFY2009 is 94%.</p> <p>FFY 2010 Report: The MPCA conducted 6 TSDF CEI's and met the Federal Commitment for this fiscal year. The MPCA is operated under a flexibility plan in FFY2010. Under that plan the MPCA completed the following; 10 LQG CEI's, 17 LQG CEI Health Care Initiative inspections, 19 LQG CEI Hennepin County JPA. The Significant compliance rate for FFY2010 is 86%. The MPCA exceeded the goal of 44 LQG CEI's and completed 46 totals.</p>

		<p><u>FFY 2011 Commitments:</u></p> <ul style="list-style-type: none"> • During FY11 and FY12, MPCA will conduct CEIs at all TSD facilities in the operating universe. During each fiscal year (FY11 and FY12), MPCA will conduct CEIs at 50% of the TSD operating universe that are in the current RCRAInfo operating universe as of October 1 of that respective year. During each fiscal year (FY11 and FY12), EPA Region 5 will conduct a CEI at 2 facilities that are in the current RCRAInfo TSD operating universe and CEI at 3 State and Local TSD facilities. For FY11, MPCA has identified 16 TSD facilities in the operating universe. During FY11, MPCA has agreed to conduct CEIs at 10 TSD facilities currently in the operating universe. • During FY12, MPCA will conduct CEIs at 20% of the LQG universe that exist as of October 1, 2011. For FY11, MPCA has determined that the current universe of RCRA LQGs in Minnesota is 242, based on current data in the Delta database. Therefore, 20% of that universe is 49. For FY11, MPCA (combined with Hennepin County) has agreed to conduct CEIs at 43 of these LQGs and EPA Region 5 has agreed to conduct a CEI at 6 of these LQGs in order to meet the 20% goal. MPCA will re-evaluate the RCRA generator universes on October 1, 2011 to determine the work effort for FY12. • During the time period including FY11 and FY12, MPCA will conduct additional inspections as required, at generators other than LQGs (e.g. small quantity generators [SQGs], conditionally-exempt small quantity generators [CESQGs], generators with no status and non-notifiers). • MPCA will also conduct "other" inspections as required including sampling inspections, citizen complaint investigations, follow-up inspections, case development inspections, non-financial record reviews, etc. 	<p><u>EPA Comments:</u> MPCA correctly reported the planned hazardous waste compliance monitoring accomplishments/commitments for FFY2011 and 2012. Please provide missing status of FFY10 hazardous waste enforcement accomplishments.</p> <p><u>MPCA Response:</u> Due to staff turnover there was a delay in the FFY10 "Flexibility plan" submittal. The report was submitted on 5/3/2011.</p> <p><u>FFY 2011 Report:</u></p> <ul style="list-style-type: none"> • The MPCA conducted 10 TSD CEIs, which met the EnPPA Commitment for FFY 2011. • The MPCA conducted 25 LQG CEIs and Hennepin County conducted 18 LQG CEIs for a total of 43 LQG CEIs, which met the EnPPA Commitment for FFY 2011. • The MPCA conducted 116 RCRA CEIs during FFY 2011 and identified 10 Significant Non-Compliers (SNCs). Therefore, the compliance monitoring SNC rate is 8.6% and returned 10 SNCs to compliance (SNN). • The MPCA issued 10 Combination Administrative Penalty Orders (APO), one Forgivable APO, 26 Notices of Violation, 24 Letters of Warning and one State Compliance Order 3008 (A).
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		<p>All violations discovered by MPCA will be addressed in accordance with EPA's <i>Hazardous Waste Civil Enforcement Response Policy</i> (dated December 2003; effective February 15, 2004).</p> <p>MPCA will translate Compliance, Monitoring and Enforcement (CM&E) data into the RCRAInfo database on, at minimum, a monthly basis and more often as required. In addition, MPCA will differentiate inspections conducted by Hennepin County inspectors from those conducted by MPCA inspectors in the RCRAInfo database.</p> <p><u>FFY 2012 Commitment:</u></p> <ul style="list-style-type: none"> • During FFY 2011 and FFY 2012, the MPCA and EPA will conduct CEIs at all TSD facilities in the operating universe. During FFY 2012, the MPCA has agreed to conduct 6 TSDF CEIs and EPA will conduct 4 TSDF CEIs. • During FFY 2012, the MPCA, Hennepin County, and EPA will conduct CEIs at 20% of the LQG universe that existed as of October 1, 2011. For FY 2012, the MPCA has determined that the current universe of RCRA LQGs in Minnesota is 254, based on in the Delta database. For FFY 2012, the MPCA and Hennepin County have agreed to conduct CEIs at 36 LQGs and EPA Region 5 has agreed to conduct CEIs at 15 LQGs in order to meet the 20% goal of 51. • During the time period including FFY 2011 and FFY 2012, the MPCA will conduct additional inspections as required, at generators other than LQGs (e.g. small quantity generators [SQGs], conditionally-exempt small quantity generators [CESQGs], generators with no status and non-notifiers). • The MPCA will also conduct "other" inspections as required including sampling inspections, citizen complaint investigations, follow-up inspections, case development inspections, non-financial record reviews, etc. • All violations discovered by the MPCA will be addressed in accordance with EPA's <i>Hazardous Waste Civil Enforcement Response Policy</i> (dated December 2003; effective February 15, 2004). • The MPCA will translate Compliance, Monitoring and Enforcement (CM&E) data into the RCRAInfo database on, at minimum, a monthly basis and more often as required. In addition, MPCA will differentiate inspections conducted by Hennepin County inspectors from those conducted by MPCA inspectors in the RCRAInfo database. 	
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CA2 2)	Number of RCRA facilities with release to groundwater under control (CA750).	Crague Biglow/ Hak Cho - EPA	<p>In 2009, MPCA will commit to 5 RCRA facilities with migration of contaminated ground water under control (CA 750). MPCA and Region 5 will renegotiate the commitment for this measure in 2010 and 2011.</p> <p><u>FFY 2010 Revisions:</u> In 2010, MPCA will commit to achieving migration of contaminated groundwater under control (CA 750) at 90% of 2020 sites. MPCA and Region 5 will re-negotiate the commitment for this measure in 2011.</p> <p><u>FFY 2011 Commitments:</u> Achieve Migration of Groundwater Contamination controlled (CA750) at 91% of Minnesota's facilities on the 2020 GPRA baseline list.</p> <p><u>FFY 2012 Commitments:</u> Achieve Migration of Groundwater Contamination controlled (CA750) at 93% of Minnesota's facilities on the 2020 GPRA baseline list.</p>	<p>RCRA Corrective Action 2020 GPRA sites.</p> <p><u>FFY 2009 Report:</u> Migration of Groundwater Contamination is controlled (CA750) at 90% of Minnesota's facilities on the 2020 GPRA baseline list. The MPCA has sufficiently met the 2009 PPG CA750 goals in context of the 2020 GPRA goals.</p> <p><u>FFY 2010 Report:</u> Migration of Groundwater Contamination is controlled (CA750) at 90% of Minnesota's facilities on the 2020 GPRA baseline list. The MPCA has sufficiently met the 2010 PPG CA750 goals in context of the 2020 GPRA goals.</p> <p><u>FFY 2011 Report:</u> Migration of Groundwater Contamination is controlled (CA750) at 91% of Minnesota's facilities on the 2020 GPRA baseline list. The MPCA has sufficiently met the 2011 PPG CA750 goals in context of the 2020 GPRA goals.</p>
3)	RCRA Authorization	Dave Richfield	<p>Minnesota will adopt the rules proposed on July 14, 2008. Minnesota will submit a draft application for ARA 10.</p>	<p><u>FFY 2009 Report:</u> Minnesota adopted the rules proposed on July 14, 2008, on June 15, 2009 (effective June 22, 2009). Minnesota submitted a draft Authorization Revision Application (ARA 10) on September 30, 2009.</p> <p><u>FFY 2010 Report:</u> On 5/28/10 MPCA submitted final Authorization Revision Application (ARA 10) to EPA. In addition, MPCA reviewed Federal Rule article for ARA 10.</p>

			<p><u>FFY 2011 Commitments:</u> Minnesota will prioritize federal RCRA and HSWA rules in its annual rulemaking queue.</p>	<p><u>FFY 2011 Report:</u> June 23, 2011, final EPA authorization of MPCA's revisions to its hazardous waste program became effective (ARA 10). MPCA begins tracking possible Mn Rules for next ARA.</p>
4)	RCRA Info	Leslie Goldsmith	<p>MPCA will ensure the timely entry of all RCRAInfo data fields for which it is the State implementer of record (IOR). Data entry is required within one month of the completion of any recordable RCRA program activity, <i>subject to the availability of RCRAInfo and timely notice of changes to its structure and requirements</i>. MPCA will also submit biennial report files in accordance with future timeframes established by EPA's Office of Solid Waste.</p>	<p><u>FFY 2009 Report:</u> Minnesota sustained its translation to RCRAInfo during FFY2009. There were intermittent challenges and outages as additional error checks were implemented in RCRAInfo. As additional edit checks were activated, Minnesota responded to the errors and provided the appropriate data.</p> <p>In September 2009, the MPCA began preparation for the Biennial Report due in Early calendar year 2010.</p> <p><u>FFY 2010 Report:</u> During FFY2010 the MPCA chartered and launched a project to develop, standardize and implement new procedures and systems to provide required data to the EPA. This project is intended to improve our ability to have new and changed data automatically submitted to EPA.</p> <p>This automated flow will utilize a more standardized, XML-based data flows via the Exchange Network will allow us to rapidly adapt to future changes in the federal data schemas, and to do it with far less effort than our current process which requires frequent and complex manual changes. Ultimately, is desirable to use this approach to eliminate the need for manually transferring data at all; the EPA will automatically receive required data.</p>
			<p><u>FFY 2011 Commitments:</u> Minnesota will develop and deploy an improved platform for automatically translating HW data to RCRAInfo.</p>	<p><u>FFY 2011 Report:</u> Work to develop transfer mechanisms and procedures continued, subject to ongoing challenges related to protecting Minnesota's non-public data related to compliance monitoring and evaluation. During 2011, RCRAInfo staff</p>

		<p>FFY 2012 Commitments: Minnesota will continue to work on automated data transfer solutions utilizing the exchange network. During this process, Minnesota will continue to satisfy data sharing commitments with a combination of automated and manual data management. Minnesota is prepared to complete the Biennial Reporting activities that occur during this year.</p> <p>MN is planning to deploy exchange network for their data flows into RCRAInfo for 3rd quarter of 2012. This will allow automatic translation of HW data in RCRAInfo.</p> <p>Minnesota continues to do transactional flat file translations from their state database into RCRAInfo for CM&E data. All other RCRA program data is directly entered into RCRAInfo. They do separate duplicate data entries into their state database. Their RCRAInfo entries have been timely and accurate.</p> <p>On April 2nd MN loaded their Biennial Report data with no errors. HQs submitted a report on April 16th with MN reporting no errors. The deadline for the final BR load is November 5, 2012.</p>	<p>committed to exploring data structure modifications that would enable Minnesota to protect non-public activities with more precise control, allowing more timely data sharing and greater public accessibility for Minnesota data. While these efforts were ongoing, Minnesota satisfied data sharing commitments with a combination of automated and manual data management.</p> <p>On Feb 13th a USITS issue was created #50853 about MN's request to set the extraction flag at a lower level to protect non public information to be released. Debbie Goodwin and HQs has decided to provide MN the ability to identify non public information at a lower level whether or not information can be released. However, this requires a structure change (to add the lower level extract flags) it must wait for a new version release which requires notification to all implementers with the new structure charts 1 year before implemented. HQs is planning on beginning this process later this year once MYRCRAid is released. This means the feature will not be in RCRAInfo until late next year.</p>
	#of Commitments: 4		

*1. MPCA's Hospital Initiative, a flexibility plan that was in place in 2008, is expected to continue into, and end, in 2009. MPCA will request in writing the extension of the initiative into, and end in 2009, as the region must forward this extension to EPA Headquarters. MPCA will issue a final report to the region which will be forwarded to EPA Headquarters, at the conclusion of the initiative in accordance with the flexibility plan.

2. MPCA intends to maintain its JPA with Hennepin County throughout the EnPPA time period. MPCA intends to enter into JPAs with additional metro counties during the EnPPA time period.

**Minnesota PPG Max Workplan (with Three Essential Elements)
OSWER (Office of Solid Waste and Emergency Response) [Toxic Subs. Compliance] FFY 2009 – 2012
FFY11 Report with FFY12 Workplan revisions**

Code	Common Template Measures (Essential Element #2)	MPCA Contact	Planned Accomplishments/Commitments (Essential Element #3)	Comments/Status or Progress Report
Goal: 5 COMPLIANCE AND ENVIRONMENTAL STEWARDSHIP (Essential Element #1)				
Objective: 5.1: Achieve Environmental Protection through improved compliance: By 2011, maximize compliance to protect human health and the environment through enforcement and other compliance assurance activities by achieving a 5% increase in the pounds of pollutants reduced, treated, or eliminated by regulated entities, including those in Indian country.				
Sub objective: 5.1.3: Monitoring and Enforcement: By 2011, identify, correct, and deter noncompliance and reduce environmental risks, with an emphasis on achieving results in all areas including those with potential environmental justice concerns, through monitoring and enforcement of regulated entities' compliance, including those in Indian country, by achieving: a 5% increase in the number of facilities taking complying actions during EPA inspections and evaluations after deficiencies have been identified; a 5 percentage point increase in the percent of enforcement actions requiring that pollutants be reduced, treated, or eliminated; and a 5 percentage point increase in the percent of enforcement actions requiring improvement of environmental management practices.				

Categorical Grant: Toxic Substances compliance - Lead, PCBs & Asbestos

LEAD-G01	Number of 402/406 inspections by state.		N/A to MPCA	
LEAD-G02	Number of enforcement actions taken by state.		N/A to MPCA	
TSC-G01	Total number of PCB inspections conducted by state. (PCB TDFs need to be inspected once every 3 years)	Jeff Connell & John Elling/Ken Zolnierczyk-EPA	20 PCB inspections per year for each of the EnPPA year at current funding level. *Of these 20 PCB inspections, there are two Approved PCB Commercial Storage facilities in Minnesota, which need to be inspected every three years - therefore, we will do one of these facilities in two out of every three years.	FFY 2009 Report: MPCA completed 20 PCB inspections and met the federal commitment. FFY 2010 Report: MPCA completed 10 PCB inspections and did not meet the federal commitment. This was due to one of the MPCA PCB inspectors having trouble renewing the required EPA PCB Credentials.

			<p><u>FFY 2011 Commitments:</u> 20 PCB inspections per year for each of the EnPPA year at current funding level. *Of these 20 PCB inspections, there are two Approved PCB Commercial Storage facilities in Minnesota, which need to be inspected every three years - therefore, we will do one of these facilities in two out of every three years.</p> <p><u>EPA Comments:</u> This commitment is appropriate to add. The target timeframes in the workplan are in accordance with EPA policies.</p> <p><u>FFY 2012 Commitments:</u> 20 PCB inspections per year for each of the EnPPA year at current funding level. *Of these 20 PCB inspections, there are two Approved PCB Commercial Storage facilities in Minnesota, which need to be inspected every three years - therefore, we will do one of these facilities in two out of every three years.</p> <p><u>EPA Comments:</u> This commitment is appropriate to add. The target timeframes in the workplan are in accordance with EPA policies.</p>	<p><u>EPA Comments:</u> MPCA ought to strive to get back on track with this commitment. Note: The data that is required to be reported by the State are the Minimum Data Requirements which includes MPCA compliance and enforcement activities.</p> <p><u>FFY 2011 Report:</u> MPCA met our PCB commitment of 20 inspections.</p> <p><u>EPA Comments:</u> MPCA has completed inspections of rural utilities and co-ops. A lab for PCB analysis was approved along with an updated version of the PCB QAPP. This enables the MPCA to conduct PCB sampling during inspections.</p>
TSC-G02.a	Number of asbestos inspections conducted by state with EPA credentials.		N/A to MPCA	
TSC-G02.b	Number of asbestos inspections conducted by state under own authority (waiver states).		N/A to MPCA	
TSC-G03.a	The number of PCB inspections conducted with EPA credentials that resulted in federal enforcement action (including civil		N/A to MPCA	

	penalties and Notices of non-compliance)			
TSC-G03.b	The number of asbestos inspections conducted with EPA credentials that resulted in federal enforcement action (including civil penalties and Notices of non-compliance)		N/A to MPCA	
	# of Commitments: 7			

Note: The land unit issues compliance agreements to HW generators who collect and recycle fluorescent bulbs. The agreements regulate the crushing of fluorescent bulbs, the retorting of The mercury-containing phosphate powder, and create performance standards which the remaining components of the bulbs must meet before shipping to the designated recipients.

Code	State Negotiated Measures (Essential Element #2)	MPCA Contact	Planned Accomplishments/Commitments (Essential Element #3)	Comments/Status or Progress Report
CAA 01.s 1)	Number of Full Compliance Evaluations (FCEs) to be conducted at T5 major sources per year.	Bob Beresford/ Katie Koelfgen/ Jeff Connell & Rochelle Marceillars - EPA	Between FFY 2009 and 2010, MPCA will conduct FCEs for 100% of their T5 universe per the Compliance Monitoring Strategy. Between FFY 2011 and 2012, MPCA will conduct FCEs for 100% of their T5 universe per the Compliance Monitoring Strategy.	<p><u>FFY 2009 Report:</u> 100% completed for FFY 2009 – Koelfgen</p> <p><u>FFY 2010 Report:</u> 100% completed for FFY 2010 – Koelfgen</p> <p><u>EPA Comments:</u> MPCA has met this commitment in FY 2010.</p> <p><u>FFY 2011 Report:</u> 100% completed for FFY 2011 - Koelfgen</p>
CAA 02.s 2)	Number of Full Compliance Evaluations (FCEs) to be conducted at 80%SM sources per year.	Bob Beresford/ Katie Koelfgen/ Jeff Connell & Rochelle Marceillars - EPA	Between FFY 2009 and 2010, MPCA will conduct FCEs for the remaining 80% Synthetic Minor Sources so that MPCA will achieve a 100% completion rate per the Compliance Monitoring Strategy for the 5 year period FFY 2006 - 2010. Between FFY 2011 and 2012, MPCA will conduct FCEs for the 80% Synthetic Minor Sources so that MPCA will achieve a 100% completion rate per the Compliance Monitoring Strategy for the 5 year period FFY 2011 - 2015.	<p><u>FFY 2009 Report:</u> 100% completed for FFY 2009 – Koelfgen</p> <p><u>FFY 2010 Report:</u> 100% completed for FFY 2010 – Koelfgen</p> <p><u>EPA Comments:</u> MPCA has met this commitment in FY 2010.</p> <p><u>FFY 2011 Report:</u> 100% completed for FFY 2011 - Koelfgen</p>
CAA 16 3)	Ensure that delegated agency has a written agreement to provide complete, accurate and timely data consistent with the Compliance Monitoring Strategy (CMS), High Priority Violation (HPV) Policy, and the Air Facility System (AFS) Information Collection Request (ICR).	Bob Beresford/ Katie Koelfgen/ Jeff Connell & Rochelle Marceillars - EPA	The execution of this workplan satisfies this measure.	<p><u>FFY 2009 Report:</u> The CMS was followed for FFY 2009 – Koelfgen</p> <p><u>FFY 2010 Report:</u> The CMS was followed for FFY 2010 – Koelfgen</p> <p><u>EPA comment:</u> Note: MPCA is required to report High Priority Violations (HPVs) to EPA within 60 days of occurrence. This requires data associated with the HPV cases and monthly updates. According to Minnesota Statute Ch. 13.39, which cover civil investigation data and MPCA Civil Investigative Data Policy (internal document) which is a document as to how MPCA will apply the statute to their work, that information is not public until the case is closed. EPA is aware of the statute and</p>

				<p>Region 5's OECA has taken the lead concerning this issue.</p> <p><u>FFY 2011 Report:</u> The CMS was followed for FFY 2011 - Koelfgen</p> <p><u>EPA Comment:</u> Same comment applies for FFY11 as FFY 10 above in the timeliness of the data reporting within 60 days of occurrence.</p>
CAA 17 4)	MPCA shall enter all Minimum Data Requirements (MDRs) into AFS consistent with Agency policies and the AFS ICR.	Bob Beresford/ Katie Koelfgen/ Jeff Connell & Rochelle Marceillars - EPA	Data is to be entered into AFS within 60 days of occurrence.	<p><u>FFY 2009 Report:</u> MDRs entered into AFS in a timely manner - Koelfgen</p> <p><u>FFY 2010 Report:</u> MDRs entered into AFS in a timely manner – Koelfgen</p> <p><u>EPA Comments:</u> MPCA has met this commitment in 2010. Note: The data that is required to be reported by the State are the Minimum Data Requirements, which includes MPCA compliance and enforcement activities.</p> <p><u>FFY 2011 Report:</u> MDRs entered into AFS in a timely manner – Koelfgen</p> <p><u>EPA comments:</u> MPCA must ensure all MDRs are reported in a timely, complete and accurate manner. Some MDRs were not reported in a timely manner.</p> <p><u>MPCA Response:</u> Data Entry staff have affirmed their commitment to meet this deadline into the future. Beresford</p>
	#of Commitments: 4			

Strategic Goal 5: Enforcing Environmental Laws

Objective 5.1: Enforcement Environmental Laws. Pursue vigorous civil and criminal enforcement that targets the most serious water, air, and chemical hazards in communities. Assure strong, consistent, and effective enforcement of federal environmental laws nationwide.

2011-2015 Strategic Measures (Outcomes) - Maintain Enforcement Presence⁴

By 2015, conduct 105,000 federal inspections and evaluations (5-year cumulative). (FY 2005–2009 baseline: 21,000 annually)

By 2015, initiate 19,500 civil judicial and administrative enforcement cases (5-year cumulative). (FY 2005–2009 baseline: 3,900 annually)

By 2015, conclude 19,000 civil judicial and administrative enforcement cases (5-year cumulative). (FY 2005–2009 baseline: 3,800 annually)

By 2015, maintain review of the overall compliance status of 100 percent of the open consent decrees. (Baseline 2009: 100 percent)

By 2015, increase the percentage of criminal cases with charges filed to 45 percent. (FY 2006–2010 baseline: 36 percent)

By 2015, maintain an 85 percent conviction rate for criminal defendants. (FY 2006–2010 baseline: 85 percent)

By 2015, reduce, treat, or eliminate 2,400 million estimated pounds of air pollutants as a result of concluded enforcement actions (5-year cumulative). (FY 2005–2008 baseline: 480 million pounds, annual average over the period)

Enforcement – FY 2012 Monitoring

Outputs/Measures	Progress Target Dates & Contact	State Commitments - Outputs/Measures and Outcomes – (should relate to the Output/Measure in column 1)	Reporting for Final Report or Annual Performance Report of Progress Made in Meeting Commitments (Outputs and/or Outcomes) in columns 1 and 3
<p>1) Submit draft Compliance Monitoring Strategy (CMS) plan for review, negotiation and approval by EPA. Implementation of the final CMS plan will begin the upcoming federal fiscal year, as it pertains to non-Title V sources.</p> <p>EPA comments: CMS source category and frequency flags in AFS will be completed for non-Title V source universe.</p> <p>EPA will submit written correspondence approving or disapproving State CMS plan</p>	<p>August 31, 2011</p> <p>October 1, 2011</p> <p>November 1, 2011</p> <p>December 31, 2011 Beresford/ Morrill, Marceillars</p>	<p>Ok</p> <p>MPCA Comments: EPA approved MPCA CMS Plan in January 13, 2012 letter to MPCA. –Beresford</p>	
<p>2) Sources/landfills subject to the asbestos NESHAP regulations will be inspected</p>	<p>Ongoing Connell/</p>	<p>MPCA Comments: Inspections will also be conducted by MPCA Solid Waste Program staff at landfills,</p>	

⁴ The Compliance and Enforcement Guidance is located at: (http://www.epa.gov/ocfo/plan/pdfs/strategic_plan_change_document_9-30-08.pdf)

<p>in accordance with EPA's Implementation Strategy for Revised Asbestos NESHAP guidance, March 31, 1988. in accordance with EPA's Implementation Strategy for Revised Asbestos NESHAP guidance as part of the Solid Waste program. (EPA comments: Inspections conducted under the asbestos NESHAP regulation should be in accordance with EPA's March 31, 1988 Revised Asbestos NESHAP Strategy not the Solid Waste Program.)</p>	<p>Beresford</p>	<p>focusing upon authorization to handle asbestos waste, manifesting and records and location information within the landfill for the disposal. Some complaint follow-up and phone response is also provided. Beresford</p>	
<p>3) Track State Review Framework recommendations made by EPA to the State during the SRF and provide updates to EPA until completion, as it pertains to non-Title V sources.</p>	<p>Quarterly Connell/ Beresford</p>	<p>MPCA Comments: MPCA staff are reminded periodically of key findings of the SRF, regarding recommended changes. Beresford</p>	
<p>4) ACS commitments that relate to the States Full Compliance Evaluations conducted, as it pertains to non-Title V sources.</p>	<p>Quarterly Connell/ Koelfgen</p>	<p>Measure deleted – per EPA instructions.</p>	
<p>EPA added: 4) Respond to citizen complaints including those referred by EPA. Inspections will be conducted where necessary</p>	<p>Ongoing Connell/ Beresford</p>	<p>MPCA Comments: MPCA staff have been responsive to complaints forwarded by EPA, and inspected as necessary and provided summary of outcomes to EPA. Beresford</p>	

Enforcement – FY 2012 Reporting

Outputs/Measures	Progress Target Dates & Contact	State Commitments - Outputs/Measures and Outcomes – (should relate to the Output/Measure in column 1)	Reporting for Final Report or Annual Performance Report of Progress Made in Meeting Commitments (Outputs and/or Outcomes) in columns 1 and 3
<p>1) Submit compliance and enforcement information to meet EPA’s Minimum Data Requirements (MDRs) within the sixty (60) day standard required for reporting by the current Air Facility System (AFS) Information Collection Request (ICR). Ensure data is complete, accurate and timely consistent with EPA policies and ICR, as it pertains to non-Title V sources. Such language should be included in the written agreement between the State and EPA.</p>	<p>60 day reporting as required by ICR</p> <p>Morrill/ Beresford</p>	<p>Ok</p>	
<p>2) For States that administer authorized programs under Title 40 and receive or wish to receive reports or documents electronically, under those authorized programs, as it pertains to non-Title V sources, must ensure the designated program system meet and comply with the Cross-Media Electronic Reporting Regulation (CROMERR), Part 3, Title 40 effective 01/11/06. In accordance with the CROMERR regulation, before the implementation the designated State program system must be approved by EPA.</p>	<p>Ongoing</p> <p>Connell/ Koelfgen</p>	<p>MPCA Comments: We will move this measure to a new reporting section for cross media, as suggested by EPA Reg 5.</p>	

<p>3) Asbestos notification information, compliance evaluations and enforcement activities will be reported alphabetically by owner or operator to EPA by the State.</p> <p><u>Added by EPA:</u> Submit electronically to EPA updates of CEM and summaries of all EER and FSA reports and any CEM quality assurance reports from facilities required to report to the State.</p>	<p>Annually</p> <p>Connell/ Beresford Ongoing</p>	<p><u>MPCA Comments:</u> MPCA Solid Waste Program staff will also conduct landfill inspections observing asbestos rule compliance, conduct complaint follow-up and phone response. Summaries will be available and reported to EPA as requested. Beresford</p> <p><u>MPCA Comments:</u> At present MPCA reviews all CEMS reports for compliance, but does not submit a regularly scheduled summary of CEMS data to EPA. More direction is needed from EPA on the extent and type of information desired from this very large database, before MPCA can provide these updates. Beresford</p>	
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Enforcement – FY 2012

Outputs/Measures	Progress Target Dates & Contact	State Commitments - Outputs/Measures and Outcomes – (should relate to the Output/Measure in column 1)	Reporting for Final Report or Annual Performance Report of Progress Made in Meeting Commitments (Outputs and/or Outcomes) in columns 1 and 3
<p>1) State will conduct monthly conference calls with EPA to discuss their efforts to resolve known violators. During these conference calls, newly discovered violators will be identified and discussions on the date, case lead, evidence, timeline for resolution and status of case, as it pertains to non-Title V sources. <u>Added by EPA:</u> For State lead HPV cases unaddressed over 270 day timeframe, EPA and MPCA will make the determination on which agency is best suited to take or maintain the lead for the case and what will be the best method of returning the source back into compliance. In addition, A separate conference call will be conducted to discuss data management, reporting</p>	<p>Monthly</p> <p>Connell/ Beresford/ Morrill</p>	<p>Ok</p> <p><u>MPCA Comments:</u> Monthly conference calls held between our agencies to discuss cases. This activity is on target, and has been very productive in insuring timeliness by MPCA and EPA in following up on HPV cases. Beresford</p>	

and issues, as it pertains to non-Title V sources.			
2) State will provide to EPA the status code and explanation for HPV sources listed on Headquarters Watch List, as it pertains to non-Title V sources. The Watch List ensures timely and appropriate response to significant non-compliers or longstanding violators through better data analysis and routine discussions between EPA HQs OECA, EPA Region 5 and MPCA.	Quarterly Connell/ Beresford/ Morrill	<u>MPCA Comments:</u> MPCA provides the required status codes and explanations needed to EPA for sources HQs Watch List on a quarterly basis. As of 3/26/12 there are no Watch List facilities in Minnesota for which MPCA is the lead, either Title V or non-Title V (there are 3 EPA cases). Beresford	
3) State will conduct its enforcement activities in accordance with EPA Timely and Appropriate Enforcement Response to High Priority Violations (HPVs) policy, the Clean Air Act Stationary Source Civil Penalty policy and the Revised Asbestos NESHAP Strategy, as it pertains to non-Title V sources.	Ongoing Connell/ Beresford	Ok	
<u>Region 5 comment:</u> Region 5 has recently conducted a review of MPCA's Clean Air Act (CAA), Clean Water Act (CWA), and Resource Conservation and Recovery (RCRA) compliance and enforcement programs. Both Region 5 and MPCA are responsible for ensuring that agreed-upon follow up actions that result from the review are carried out in a timely and effective manner. At the completion of the review, Region 5 provided a		Ok. Beresford	

<p>list of the actions to MPCA as a basis of regular communication between the two parties to ensure follow-up. Certain actions may also be added, as appropriate, to the program work plans with this PPA. (EPA comment: The following needs to be added to the compliance and enforcement workplan. This is referenced on page 4#3 and pg 9#4. It can be updated in both or included as one output measure for the whole workplan.)</p>			
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APPENDIX A

It is recommended to include Title V outputs/measures either here or in the Executive Summary portion of this document, even though Title V activities are not a part of the State Air Pollution Control Program funded with EPA Clean Air Act funding.

Strategic Goal 5: Enforcing Environmental Laws			
Objective 5.1: Enforcement Environmental Laws. Pursue vigorous civil and criminal enforcement that targets the most serious water, air, and chemical hazards in communities. Assure strong, consistent, and effective enforcement of federal environmental laws nationwide.			
2011-2015 Strategic Measures (Outcomes) - Maintain Enforcement Presence⁵			
By 2015, conduct 105,000 federal inspections and evaluations (5-year cumulative). (FY 2005–2009 baseline: 21,000 annually)			
By 2015, initiate 19,500 civil judicial and administrative enforcement cases (5-year cumulative). (FY 2005–2009 baseline: 3,900 annually)			
By 2015, conclude 19,000 civil judicial and administrative enforcement cases (5-year cumulative). (FY 2005–2009 baseline: 3,800 annually)			
By 2015, maintain review of the overall compliance status of 100 percent of the open consent decrees. (Baseline 2009: 100 percent)			
By 2015, increase the percentage of criminal cases with charges filed to 45 percent. (FY 2006–2010 baseline: 36 percent)			
By 2015, maintain an 85 percent conviction rate for criminal defendants. (FY 2006–2010 baseline: 85 percent)			
By 2015, reduce, treat, or eliminate 2,400 million estimated pounds of air pollutants as a result of concluded enforcement actions (5-year cumulative). (FY 2005–2008 baseline: 480 million pounds, annual average over the period)			
Enforcement – FY 2012 Monitoring			
Outputs/Measures	Progress Target Dates & Contact	State Commitments - Outputs/Measures and Outcomes – (should relate to the Output/Measure in column 1)	Reporting for Final Report or Annual Performance Report of Progress Made in Meeting Commitments (Outputs and/or Outcomes) in columns 1 and 3
1) Submit draft Compliance Monitoring Strategy (CMS) plan for review, negotiation and approval by EPA. Implementation of the final CMS plan will begin the upcoming federal fiscal year. Added by EPA: CMS source category and frequency flags in AFS will be completed for non-Title V source universe USEPA will submit written correspondence approving or disapproving State CMS plan.	July 1, 2011 Connell/ Koelfgen October 1, 2011 November 1, 2011 December 31, 2011 Beresford/ Morrill/ Marceillars	Ok MPCA Comments: EPA approved MPCA CMS Plan in January 13, 2012 letter to MPCA. –Beresford	
2) Track State Review Framework recommendations made by	Quarterly Connell/ Beresford		

⁵ The Compliance and Enforcement Guidance is located at: (http://www.epa.gov/ocfo/plan/pdfs/strategic_plan_change_document_9-30-08.pdf)

EPA to the States during SRF and provide updates until completion.		MPCA Comments: MPCA complying with these recommendations, reminding staff periodically of these recommendations.	
3) ACS commitments that relate to the States Full Compliance Evaluations conducted.	Quarterly Connell/ Koelfgen	Ok	
Enforcement – FY 2012 Reporting			
Outputs/Measures	Progress Target Dates & Contact	State Commitments - Outputs/Measures and Outcomes – (should relate to the Output/Measure in column 1)	Reporting for Final Report or Annual Performance Report of Progress Made in Meeting Commitments (Outputs and/or Outcomes) in columns 1 and 3
4) Submit compliance and enforcement information to meet EPA's Minimum Data Requirements (MDRs) within the sixty (60) day standard required for reporting by the current Air Facility System (AFS) Information Collection Request (ICR). Ensure data is complete, accurate and timely consistent with EPA policies and ICR. Such language should be included in the written agreement between the State and EPA.	60 day reporting as required by ICR Beresford/ Morrill	Ok	
5) For States that administer authorized programs under Title 40 and receive or wish to receive reports or documents electronically, under those authorized programs, must ensure the designated program system meet and comply with the Cross-Media Electronic Reporting Regulation (CROMERR), Part 3, Title 40 effective 01/11/06. In accordance with the CROMERR regulation, before the implementation the designated State program system must be approved by EPA.	Ongoing Connell/ Koelfgen	Ok	

<p>Added by EPA: Submit electronically to EPA updates of CEM and summaries of all EER and FSA reports and any CEM quality assurance reports from facilities required to report to the State.</p>	<p>Ongoing Connell/ Beresford</p>	<p>MPCA Comments: At present MPCA reviews all CEMS reports for compliance, but does not submit a regularly scheduled summary of CEMS data to EPA. More feedback is needed from EPA on the extent and type of information desired from this very large database, before MPCA can provide these updates. Beresford</p>	
<p>Enforcement – FY 2012</p>			
<p>Outputs/Measures</p>	<p>Progress Target Dates & Contact</p>	<p>State Commitments - Outputs/Measures and Outcomes – (should relate to the Output/Measure in column 1)</p>	<p>Reporting for Final Report or Annual Performance Report of Progress Made in Meeting Commitments (Outputs and/or Outcomes) in columns 1 and 3</p>
<p>1) State will conduct monthly conference calls with EPA to discuss their efforts to resolve known violators. During these conference calls, newly discovered violators will be identified and discussions on the date, case lead, evidence, timeline for resolution and status of case.</p> <p>Added by EPA: For State lead HPV cases unaddressed over 270 day timeframe, EPA and MPCA will determine which agency is best suited to take or maintain the lead for the case and what will be the best method of returning the source back into compliance. In addition, data management, reporting and any data related issues will also be discussed.</p>	<p>Monthly Connell/ Beresford/ Morrill</p>	<p>Ok</p> <p>MPCA Comments: Monthly conference calls held between our agencies to discuss cases. This activity is on target, and has been very productive in insuring timeliness by MPCA and EPA in following up on HPV cases. Beresford</p>	
<p>2) State will provide to EPA the status code and explanation for HPV sources listed on Headquarters Watch List, as it pertains to non-Title V sources. The Watch List ensures timely and appropriate response to</p>	<p>Quarterly Beresford/ Morrill</p>	<p>MPCA Comments: MPCA provides the required status codes and explanations needed to EPA for sources HQs Watch List on a quarterly basis. As of 3/26/12 there are no Watch List facilities in Minnesota for which MPCA is the lead, either Title V or non-Title V (there are 3 EPA cases). Beresford</p>	

<p>significant non-compliers or longstanding violators through better data analysis and routine discussions between EPA HQs OECA, EPA Region 5 and State.</p>			
<p>3) State will conduct its enforcement activities in accordance with EPA Timely and Appropriate Enforcement Response to High Priority Violations (HPVs) policy, the Clean Air Act Stationary Source Civil Penalty policy and the Revised Asbestos NESHAP Strategy.</p>	<p>Ongoing Connell/ Beresford</p>	<p>Ok</p>	

**Minnesota PPG Max Workplan (with Three Essential Elements)
 Cross Media Issues FFY 2009 – 2012
 FFY11 Report with FFY12 Workplan revisions**

Code	Common Template Measures (Essential Element #2)	MPCA Contact	Planned Accomplishments/Commitments (Essential Element #3)	Comments/Status or Progress Report
	<p>1) For States that administer authorized programs under Title 40 and receive or wish to receive reports or documents electronically, under those authorized programs, as it pertains to non-Title V sources, must ensure the designated program system meet and comply with the Cross-Media Electronic Reporting Regulation (CROMERR), Part 3, Title 40 effective 01/11/06. In accordance with the CROMERR regulation, before the implementation the designated State program system must be approved by EPA.</p>	<p>Ongoing Leslie Goldsmith</p>	<p>Ok.</p>	<p>MPCA does have EPA approval under CROMERR (to do electronic reporting across all media) – approval letter dated 10/8/2009 from EPA D.C. Office of Information Collection.</p>