



# Environmental Performance Partnership Agreement

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Minnesota Pollution Control Agency  
U.S. Environmental Protection Agency Region 5

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October 1, 2002 – September 30, 2004

February 2003

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## **Purpose and Scope of Agreement**

The Minnesota Pollution Control Agency (MPCA), and the United States Environmental Protection Agency (EPA) Region 5, are entering their fifth Environmental Performance Partnership Agreement (EnPPA) with the approval of this document. The agreement outlines the environmental outcomes and work outputs that will be conducted by the MPCA from October 1, 2002, to September 30, 2004. The agreement summarizes the MPCA and EPA activity commitments that are detailed in Appendices B, D, and F of this agreement. The EPA will provide funding to the MPCA primarily through a Performance Partnership Grant (PPG). The MPCA will make every effort to maintain the flexibility awarded through the PPG to continue to focus its efforts on the areas of highest environmental concern.

This agreement is a product of the National Environmental Performance Partnership System (NEPPS), a joint initiative of EPA and the Environmental Council of States (ECOS). The objective of the NEPPS initiative is to strengthen protection of public health and the environment by directing limited resources toward a state's most pressing environmental issues. Performance Partnership Agreements formed under NEPPS are also designed to provide states with flexibility in how they achieve environmental results and enhance their accountability in achieving environmental progress.

Our mutual progress in performing under this agreement is reported in an annual Self Assessment, due in December of each year. Measurements used to track our performance are an integral part of the agreement. Both agencies are committed to developing and reporting on identified measures. The measures will provide a more complete information base to better develop and refine environmental priorities and decision-making processes.

While the MPCA and EPA have attempted to provide a description of their respective environmental-protection activities for the period of this agreement, it should be noted that this agreement is not all-encompassing of MPCA activities. The EnPPA describes only those activities that are funded by EPA grants for which the EnPPA is the work plan, or for which the EnPPA provides overall strategies that work in concert with a specific grant workplan. The list of federal grants and description of their relationship to the EnPPA is in Appendix C.

Other agreements and relationships between the MPCA and EPA already in place are not included in this agreement. This agreement does not replace or supersede statutes, regulations, delegation agreements, or other agreements entered into previously between MPCA and EPA.

## **Duration of Agreement**

The duration of this agreement runs from October 1, 2002, to September 30, 2004.

## **Minnesota Pollution Control Agency Commitments**

The following commitments and subsequent activities in the Activity Matrix found in Appendix B assume current funding levels from the Minnesota State Legislature will be maintained. This situation could change as the state Legislature makes decisions to balance the biennial budget. If the Legislature's decisions reduce the MPCA's ability to meet these commitments, MPCA and EPA will invoke the amendment process outlined on page 16.

### **Air**

#### **Permitting:**

- ◆ Issue 2 Permits with Title IV conditions.
- ◆ Issue 3 permits for new New Source Review major sources.
- ◆ Conduct 80 site visits as part of permit teams.
- ◆ Revise 1 permit to reflect SIP changes.
- ◆ Issue 1 XL permit.
- ◆ Address all emissions of air toxics according to 112(L) of the Clean Air Act delegation.
- ◆ Conduct all necessary Maximum Achievable Control Technology (MACT) under 112(g).
- ◆ Issue 85 Title V permits. (dependent upon regulated party activity)
- ◆ Continue innovative permit with IBM Rochester as described in Appendix D.

#### **Compliance and Enforcement:**

- ◆ Respond to all New Source Performance Standard (NSPS) applicability determinations.
- ◆ Maintain Enforcement Response Plan.
- ◆ 95% compliance rate for major facilities that are not High Priority Violators (HPVs).
- ◆ 90% compliance rate for major facilities after Performance Test.
- ◆ 90% compliance rate for CEM (continuous emission monitoring) equipped facilities.
- ◆ Conduct annually, approximately 130 Full Compliance Evaluations (FCE) at Title V major sources.
- ◆ Conduct annually, approximately 86 FCE at synthetic minor sources.
- ◆ Conduct FCE for 93 more sources by 09/30/04.
- ◆ Identify all enforcement cases that qualify for the High Priority Violations List.
- ◆ Maximize number of sources returned to compliance. Goal is 100%.

#### **Monitoring and Evaluation:**

- ◆ Every year, quantify the annual emissions from Type A (major and synthetic minors) sources.
- ◆ Every 3 years quantify the emissions from Type B (true minors) sources.
- ◆ Every 3 years quantify mobile source emissions
- ◆ Maintain ambient AQ monitoring network
- ◆ Complete annual review of ambient AQ monitoring network.
- ◆ Submit an annual ambient AQ monitoring network review for criteria pollutants.
- ◆ Complete an annual AQ monitoring network review for PM2.5.

- ◆ Submit an annual ambient AQ monitoring network review for PM 2.5.
- ◆ Enter criteria pollutant data into AIRS database 90days after each quarter ends.
- ◆ Every 3 years, quantify Hazardous Air Pollutants (HAP) emissions from point sources.
- ◆ Operate Pine Bend Monitoring Network.
- ◆ Operate statewide air toxics monitoring network.
- ◆ Establish and operate two IMPROVE monitors in Minnesota's visibility network by 09/30/04.

**Policy and Rules:**

- ◆ Update all new State Implementation Plan (SIP) requirements as required by EPA.
- ◆ Update 4 maintenance plans for the Cities of Duluth, St. Cloud, and Dakota, and Olmsted Counties.
- ◆ Develop MOA for Medical Waste Incinerators.
- ◆ Complete and maintain Transportation Conformity SIP.
- ◆ Publish quarterly the rule making docket on the internet.
- ◆ Implement PM2.5 rules by 09/30/04.
- ◆ Implement 8 – hour ozone standard by 09/30/04.
- ◆ Implement 2 air toxics and voluntary reduction strategies (dependent upon regulated party activity).

Note: Due to the Title V commitments and need to work on state synthetic minor and state minor source program, the permits group does not have resources to pursue implementation of voluntary reductions.

- ◆ Participate in all STAPPA/ALAPCO committees to develop a national air toxics program.
- ◆ Develop regional haze rules under EPA timelines.

**Land**

**Permitting:**

- ◆ Issue and reissue 6 Treatment, Storage and Disposal (TSD) facility permits.

**Compliance and Enforcement:**

- ◆ Use 2 Supplemental Environmental Projects to reduce hazardous waste generation.
- ◆ Conduct 12 PCB inspections.
- ◆ Conduct 32 Large Quantity Generator (LQG) site visits.
- ◆ Conduct 32 LQG inspections.
- ◆ Conduct 32 LQG document reviews.
- ◆ Complete all statutorily required inspections each year.
- ◆ Use appropriate enforcement tools on 100% of HW management violators and releases.
- ◆ Implement combustion initiative at all generator sites that burn HW and have compliance assessments.

- ◆ Investigate four large petroleum storage tank facilities that have had releases each year and facilitate corrective action plans.
- ◆ Complete one corrective action MOU by 09.30.04.
- ◆ Evaluate compliance at 100% of TSD facilities that have audits, complaint investigations, inspections, site visits, or document reviews.

**Monitoring and Evaluation:**

- ◆ Annually compile HW generation rates.
- ◆ Every two years, provide HW management information to EPA through the Biennial Report System.
- ◆ Review and compile information from PCB transformer registration inventory, PCB commercial storage facility annual reports and MN Department of Health by 09/30/04.
- ◆ Maintain list of 100% of identified release sites.

**Policy and Rules:**

- ◆ Develop a program/policy to encourage the reduction of persistent bioaccumulative toxics (other than PCBs) by 06/30/04.
- ◆ Adopt 100% of mandatory federal RCRA rules need to maintain program authorization.
- ◆ Develop process to prioritize rule adoption by 09/30/04. Apply for authorization of 100% of RCRA Program amendments.
- ◆ As necessary, develop, and update Superfund policies and administrative reform, legislative initiatives, to new initiatives and customer-desired outcomes.

**Assistance:**

- ◆ Provide HW management assistance to 100% of customer inquiries.
- ◆ Provide Voluntary Investigation and Cleanup (VIC) information to 100% of customer inquiries.
- ◆ Provide cleanup guidance, information and assistance to 100% of customer inquiries.
- ◆ Administer HW generator cleanup loan program to 100% of approved cleanup sites.

**Remediation:**

- ◆ Require improved management practices at 100% of facilities that are required to implement improved management practices.
- ◆ Complete Integrated Assessment activities at CERCLIS listed sites within one year of listing date.
- ◆ Complete 75 pre-CERCLIS screenings per year.
- ◆ Identify 100% of responsible parties where possible.
- ◆ Provide remediation oversight at 100% of sites requiring oversight.

## **Groundwater**

### **Permitting:**

- ◆ Issue NPDES permits to 100% of the facilities that have 1000 or more animals units AND are concentrated animal feeding operations as described in 40 CFR 1 by 09/30/04.
- ◆ Using NPDES permits, require CAFOs between 300 and 1000 animal units to eliminate the conditions that cause them to be CAFOs. Use corrective action where not met.

### **Compliance and Enforcement:**

- ◆ Inspect 60 Confined Animal Feedlots (CAFOs) each quarter, Goal of 100% inspection by 10/31/03.
- ◆ Initiate 100% of risk based corrective actions on Leaking Underground Storage Tanks (LUST) that are considered high risk.
- ◆ Conduct 150 periodic installation and Underground Storage Tank (UST) facility inspections and audits annually. Approximately 300 over next two years.
- ◆ Take enforcement action against 100% responsible parties of LUST and UST tank owners, operators, contractors, etc., when necessary.

### **Monitoring and Evaluation:**

- ◆ Monitor 15 feedlot sites for compliance with hydrogen sulfide standard.
- ◆ Maintain 100% of active feedlots on the MN Feedlot inventory.
- ◆ Provide 100% of LUST site reports within 120 days.
- ◆ Update Regional Confined Animal Feeding Operation survey by 09/30/04.

### **Policy and Rules:**

- ◆ Develop guidance for all new policies in the LUST and UST programs.

### **Assistance:**

- ◆ Provide training to 100% of County Feedlot Officers, Producer Groups, Soil and Water Conservation Districts and Board of Water and Soil Resources that request training by 09/30/04.
- ◆ Review and or approve 120 manure plans by 09/30/04.
- ◆ Provide training, advice, assistance, and outreach to 100% of emergency responders, responsible parties and owners and operators of Leaking Underground Storage Tanks that request help.
- ◆ Provide spill prevention and preparedness for 100% of customers seeking assistance.

### **Remediation:**

- ◆ Identify, prioritize, and assess 100% of contaminated sites.
- ◆ Conduct 5-year Reviews of the Effectiveness of Remedies at MPCA lead sites before 9/30/04.
- ◆ Conduct necessary cleanup actions at 100% of prioritized sites by 09/30/04.

- ◆ Initiate and complete 100% of LUST risk-based corrective action plans at sites where the responsible party is unable, uncooperative, or non-existent.

## **Water**

### **Permitting:**

- ◆ Issue 12 Industrial Users (IUs) permits for Categorical IUs in nondelegated POTWs .
- ◆ Reduce permit backlog for regular facilities to 38% by 12/31/02.
- ◆ Reduce permit backlog to 30% for regular facilities by 06/03/03.
- ◆ Reduce permit backlog to 28% for regular facilities by 12/31/03.
- ◆ Reduce permit backlog for major permits to 38% by 12/31/02.
- ◆ Reduce permit backlog for major permits to 18% by 12/31/03.
- ◆ Maintain permit backlog for major permits to 18% by 12/31/04.
- ◆ Develop Phase II stormwater permit program by 09/30/04, if the Legislature authorizes MPCA to collect fees for phase II implementation.
- ◆ Include Pollution Prevention plans in all applicable permits in Lake Superior Basin issued from 10/1/02 – 09/30/04.
- ◆ Include Great Lakes WQ Guidance in all applicable permits in Lake Superior Basin issued from 10/1/02 – 09/30/04.

### **Compliance and Enforcement:**

- ◆ Conduct three pretreatment audits and inspections on 100% of delegated programs.
- ◆ Update the Enforcement Management System and provide to EPA by 09/30/04.
- ◆ Inspect 100% of NPDES major facilities.

### **Monitoring and Evaluation:**

- ◆ Submit annual Non-point Source (NPS) Report
- ◆ Submit semi-annual Grants Reporting and Tracking System information through GRTS or e-link.
- ◆ Coordinate water quality condition, problem investigation and evaluation monitoring from across the agency into one system.
- ◆ Enter data from MPCA NPS projects (TMDL, 319 and CWP) into STORET database by 09/30/04.
- ◆ Submit a strategy and annual sanitary sewer overflow-report to EPA.
- ◆ Maintain WENDB database and pretreatment PCS database, while helping to develop a national data base system.
- ◆ Update the Quality Management Plan (QMP) by 01/31/03.
- ◆ Assess water-monitoring program and make improvements by 09/30/04.
- ◆ Initiate development of at least one biocriteria standard by 09/30/04.
- ◆ Provide annual monitoring implementation plans.
- ◆ Develop Index of Biologic Integrity for large depressional wetlands, vernal pool wetlands, and riparian wetlands by 09/30/04.
- ◆ Develop TMDL list for waterbodies identified in the TMDL development strategy.

- ◆ By 09/30/04 develop a 2004 303(d) list and detailed two-year review, unless new federal rule modifies date.
- ◆ Develop 6 new TMDLs by 09/30/03.
- ◆ Develop 5 additional TMDLs by 09/30/04.
- ◆ Submit a draft 305(b) (water assessment) report by 01/01/04.
- ◆ Submit a comprehensive 305(b) report by 04/01/04.
- ◆ Provide STORET (database) updates for water quality and assessment information in odd numbered years.
- ◆ Evaluate existing groundwater monitoring data and make a recommendation on need for a statewide ambient groundwater-monitoring network.
- ◆ With EPA, verify sewage sludge data in PCS (database) by 09/30/04.
- ◆ Complete Integrated statistically based stream monitoring for the Minnesota River Basin in 2003.
- ◆ Develop biocriteria standards for streams in the Lake Superior Basin by 12/31/03.
- ◆ Assist Great Lakes partners in identifying Biodiversity Investment Areas (BIAs) by 09/30/04.
- ◆ Complete four of five sediment cleanup demonstrations by 09/30/04.
- ◆ Complete three sediment assessments and characterizations at three new Areas of Concern by 09/30/04.
- ◆ Initiate adoption of EPA e.coli criterion water standard by 2004.
- ◆ Initiate adoption of EPA mercury criterion water standard by 2004.
- ◆ Develop plan to adopt a nutrient criteria water standard by 12/31/02.
- ◆ Complete nutrient criteria water standard by 12/31/04.

**Program Specific Approaches:**

- ◆ Develop second Basin Information Document for Red River Basin by 12/31/02.
- ◆ By 12/31/02 develop strategies for buffering waterways in the Red River Basin to address TMDLs.
- ◆ Organize effort to identify floodplain and upland areas where restoration could occur within the Lower Mississippi River Basin.
- ◆ Develop Basin Plan for Lake Superior by 12/31/02.
- ◆ Implement 8 of 13 projects in the Lake Superior Basin to demonstrate reduction of persistent bioaccumulative toxic chemicals by 09/30/04.
- ◆ Complete Binational Toxics Strategy analytical process for each level I chemical by 09/30/04.
- ◆ Develop new beach program in the Lake Superior Basin, designed to protect users of public beaches and coastal waters by 09/30/04.
- ◆ Prepare Basin Management Plan for the Rainy River by 12/31/03.
- ◆ Complete Basin Management Plan for the Upper Mississippi River Basin by 12/31/02.

**Assistance:**

- ◆ Complete six Operation Management Evaluations (OME) as outreach for wastewater facility operators by 09/30/04.

- ◆ Provide wastewater training on water pollution controls to meet 100% of the known demand for this training.
- ◆ Award 100% of grant fund availability for watershed assessment and for implementation and efforts to reduce non-point source pollution.
- ◆ Implement the goals of the 319 Management Program Plan by 09/30/04, based on state and federal resources continuing at current level.
- ◆ Submit Statistically Based Stream Monitoring Report Plans for the St. Croix and Upper Mississippi by 06/30/03.
- ◆ Update the Minnesota impaired waters program to comply with new federal TMDL regulations within 18 months of the date that the new rule is promulgated.
- ◆ Provide training, financial, technical and planning assistance to 100% of the MPCA funded projects and to local watershed managers that request assistance, on non-funded projects when resources permit.
- ◆ Create a framework for integrated flow-weighted stream monitoring to be used by any watershed group, by 09/30/04.
- ◆ Implement the Upper Mississippi River Basin Monitoring Initiative as a framework for integrated flow-weight stream monitoring.
- ◆ Begin implementation of the Upper Mississippi River Basin Plan by 2003.
- ◆ By 12/31/03 develop strategies for addressing TMDLs in the Upper Mississippi River Basin.
- ◆ Develop a Basin Information Document for the St. Croix River Basin by 09/30/04.
- ◆ Develop a Basin Information Document for the Des Moines River Basin and Missouri River Basin by 09/30/04. Identify critical habitats in the St. Croix River Basin 09/30/04.

## **Anti-terrorism Activities**

Because of the events of September 11<sup>th</sup>, 2001, homeland security has become the nation's top priority. The cost of these efforts is straining state resources and it is uncertain when any additional support from Congress will be coming. Therefore, the MPCA may take advantage of EPA's flexibility under 40 CFR Part 35, Subpart A and also the existing PPG, and use this money for security efforts. If this happens, it will be necessary to amend this EnPPA to reflect the changes.

The following list of activities is related to anti-terrorism and are already in progress of being completed.

1. Finish work on "Summary Report to the Commissioner, MPCA Terror Incident Preparedness and Response." This report identified terror incident debris and residual nuclear, biological, and chemical agent decontamination as the primary MPCA anti-terror roles.
2. Appoint approximately four FTE staff to continue anti-terror preparedness for first year. Succeeding years may involve diminishing FTE to maintain preparedness.
3. Conduct continuing interviews of response partners (e.g., National Guard, MDH, EPA, local fire responders, et.al.) to refine understanding of MPCA roles. Develop charts or protocols as necessary to illustrate who-does-what.

4. Participate in table-top and functional response exercises. Lead exercises focusing on debris management issues.
5. Investigate and procure required safety and monitoring equipment and training.
6. Develop procedures for managing wastes and debris from terror incidents, including technical processes and regulatory requirements and waivers.
7. Procure contractors as needed for debris issues.
8. Conduct training for all MPCA staff on terror incident awareness and on the MPCA's roles in response.
9. MPCA activities to reduce the potential of terrorist impact include efforts at both onsite assistance and workshops to harden municipal wastewater treatment facilities through encouragement of updated Emergency Management Plans and new Vulnerability Analyses especially for WWTPs which are defined as critical either through potential impact on downstream water supplies or critical waters of Minnesota.

### **Environmental Justice**

Environmental justice is a hot topic these days around the country in environmental gatherings and at various professional and community-based conferences. Many states are now faced with the challenge to provide a more equitable and environmentally just society. If we foster environmental justice and “keep our eyes upon the prize”, we can make significant changes in Minnesota that will positively effect the environment and minority and low-income populations.

The EPA and Minnesota define environmental justice to mean the fair treatment of people of all races, cultures, and incomes with respect to the development, implementation, and enforcement of environmental laws and policies, and their meaningful involvement in the decision-making processes of the government. Among other things, this requires the following:

- (a) Conducting our programs, policies, and activities that substantially affect human health and the environment in a manner that ensures the fair treatment of all people, including minorities and/or low-income populations;
- (b) Ensuring equal enforcement of protective environmental laws for all people, including minority populations and/or low-income populations;
- (c) Ensuring greater public participation in the EPA's and MPCA's development and implementation of environmental regulations and policies; and
- (d) Improving research and data collection for EPA and MPCA programs relating to the health and environment of all people, including minorities and/or low-income populations.

To attain these goals, a project design was created comprised of: (1) formation of an advisory task force, (2) development of data resources, and (3) development and implementation of a consolidated plan and procedures to incorporate environmental justice principles into the MPCA's programs. With the assistance of the task force, the MPCA is building a process to incorporate environmental justice into its decision-making process.

## **Administration**

### *Grant Application Work Plans*

The EnPPA serves as the work plan required for program grants included in the PPG and for those programs that will continue to receive categorical grants (see Appendix C). Specific project grants that are not part of the PPG will have their own work plans and will use this agreement as an overall strategic framework.

The MPCA will apply for a PPG for federal fiscal years 2003 & 2004. The four programs described under this agreement are coordinated with the four program elements identified for the PPG (air, water, land and groundwater).

The MPCA has chosen to operate under a PPG/EnPPA to increase the flexibility of environmental programs and focus on environmental outcomes. A strengthened partnership with EPA through joint planning and priority-setting should improve use of staff and funding resources. The goal is to provide the MPCA with the programmatic and financial flexibility to direct resources based on its environmental priorities while still meeting EPA delegation requirements. Under the agreement, the MPCA expects to be able to maintain consistency with national program guidance, more effectively link program activities with environmental goals and program outcomes, and streamline administrative requirements by reducing the number of specific categorical grants and work plans.

Within the partnership, the MPCA and EPA will work together to ensure that grant dollars are distributed in a manner that meets federal requirements supporting businesses or organizations owned or operated by socially or economically disadvantaged individuals.

In the appendix is a listing of federal funding sources that shows the breakout between the categories of federal funding for federal fiscal year 2003 and 2004. MPCA activities that receive no funding from EPA are not included in the EnPPA.

### **Quality Assurance and Quality Management Plans (QMP)**

MPCA's QMP was approved by EPA in FY 01. The MPCA has a quality system in place that continues to improve as the agency moves toward outcome-based strategies. An updated QMP will be submitted to EPA by January 2003.

### **Self Assessment Report**

An essential part of the EnPPA is the Self-Assessment. The Self-Assessment serves as the "report card" on progress the MPCA and EPA Region 5 make in achieving the identified environmental goals and objectives contained in this agreement. The Self-Assessment achieves four purposes:

- Describes the progress made by the MPCA and EPA Region 5 at achieving the goals, objectives and activities outlined in the EnPPA.
- Uses this information to guide preparation of the next agreement.
- Meets the reporting requirements of the PPG.
- Allows management to identify possible change in strategies to reach goals.

The Self-Assessment serves as a reporting mechanism for the current agreement and as a tool for identifying emerging environmental issues that should be highlighted in the next agreement. The Self-Assessment demonstrates both agencies' commitments to evaluate environmental performance.

The Self Assessment includes an overview of the media programs, a financial status report (usually reported separately), and progress toward achieving environmental goals and objectives. This is achieved by reporting the output measures in Appendix B, the core performance measures listed in Appendix E, and the evaluation of progress toward environmental outcomes in Appendix A.

Self-Assessments will be completed by the end of each calendar year, covering the federal fiscal year that ended in the prior October.

### **Data Management**

EPA and MPCA will continue to facilitate information sharing through improved data integration. Data bases that currently contain permitting, licensing and inspection information will be our focus for continual improvement. The overall goals of our data management efforts will be to:

- ◆ Collect, quality-assure, and store location data from facilities and discharge and monitoring points.
- ◆ Create standardized facility-identification coding.
- ◆ Assess collective data needs to support decision making.
- ◆ Develop and implement improved processes to share data, information and analysis tools.
- ◆ Continue to provide information to national databases.

### **Information Sharing on Enforcement**

EPA and MPCA will share information regularly about pending and potential enforcement cases in order to avoid surprises, ensure consistency, eliminate duplication, and ensure timely coordination of activities. For those enforcement programs where the authorizing statute does not provide for delegation to the states (e.g., non-delegable programs such as the Toxic Substances Control Act [TSCA]), EPA will share enforcement information with MPCA to the extent allowed under existing Office of Enforcement and Compliance Assurance (OECA)

MPCA will provide facility-specific compliance information identified under the accountability measures contained in the final FY 02/03 OECA Memorandum of Agreement for Enforcement and Compliance Assurance.

## Behavioral Norms

The MPCA and EPA have agreed to the following set of behavioral norms to help guide the process for developing this agreement and new activities that can be amended into the EnPPA.

- NEPPS implies working together. This means the agencies have equal input into reporting and process development, and respect for deadlines.
- Program staff developing the EnPPA will work through the MPCA's and EPA's respective EnPPA coordinators or appropriate designated staff.
- The document will contain a placeholder for unexpected projects. As higher-priority work comes along, other work articulated in this document may be dropped. When requests from EPA represent additions to existing work, schedules and deadlines may need to be adjusted.
- Information requests come with a cost. If either party wants to add additional activities, it must clearly state the benefit and cost of doing this activity.
- Both parties will consider how the activities relate to environmental outcomes.
- Both parties will communicate clearly and consider whether a request for information is a need or something that's "nice to have."
- Both parties will strive to keep each other informed.
- Clearly communicate when and how enforcement actions will occur.
- EPA's Self Assessment needs to include enough information to evaluate programs holistically. This necessitates a narrative portion as well as the actual data.
- Both parties will elevate issues and problems that cannot be resolved to a higher level and continue up the chain until the issue or problem is resolved. (See "Dispute Resolution" below.)

## Dispute Resolution

The MPCA and EPA realize that disagreements may occur. We agree to attempt to resolve issues promptly, and at the lowest possible level. Any disputes that may occur between the MPCA and EPA that cannot be resolved in a reasonable time period will be raised to the next level of authority. This referral and resolution process will continue, if necessary, to the level of MPCA Commissioner and EPA Region 5 Regional Administrator. If an agreement still cannot be reached, both agencies can jointly refer the dispute to the appropriate assistant administrator in the EPA national office for resolution. Neither the MPCA nor EPA Region 5 waives any legal decision-making rights in agreeing to this dispute resolution process.

## Operating Principles Agreement

On occasion, EPA will make requests that are not included in the EnPPA, but are important to meeting EPA Headquarters or Congressional requests. When this happens, EPA Region 5 will clearly describe what information is needed and why the information is needed and what impacts it may have on MPCA. In the interest of working together, the MPCA will consider the request

and if at all possible, work to meet the request. If the request cannot be fulfilled with minimal expense and effort, an amendment to the EnPPA may be required.

### **Amendment Process**

This agreement may be amended at any time during its term by mutual consent of EPA Region 5 and the MPCA. Any proposed amendment will be negotiated and agreed upon between the affected program staff in each agency. Upon reaching agreement regarding the provisions of the amendment, the amendment will be drafted by the MPCA and signed by the MPCA Commissioner. The amendment will then be sent to the appropriate Office or Division Director at EPA Region 5, for signature. The signed amendment will be appended to the agreement and numbered sequentially in the order signed (e.g., amendment 1, amendment 2, etc.). The EnPPA is meant to be a living document that consistently changes to reflect progress made by both agencies.

## Approvals

This agreement will go into effect on the date of the last signature received. Termination of this agreement may begin with a 30-day notification.

For the State of Minnesota:

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Sheryl Corrigan, Commissioner  
Minnesota Pollution Control Agency

\_\_\_\_\_  
Date

For the U.S. Environmental Protection Agency, Region 5:

\_\_\_\_\_  
Thomas V. Skinner, Regional Administrator  
U.S. Environmental Protection Agency, Region 5

\_\_\_\_\_  
Date

| # | MPCA Activity  | EPA Activity   | Environmental Objective | Output Measure  | Function         |
|---|--|--|-------------------------|---|------------------|
| 1 | <b>Goal A1: Minnesota's outdoor air quality will meet or improve upon all environmental and human health related federal and state air quality standards.</b>  |  |                         |   |                  |
| 2 | Update SIP as required by EPA.   | Inform MPCA of new SIP requirements as well keep MPCA up to date on developing guidance and policy.  | A1a; A3a                | MPCA will develop SIP revisions and submit revisions within required timeframes. EPA will approve within 18 months of submittal.  | Policy and Rules |
| 3 | Update maintenance plans for the following areas: Duluth (CO maint. area as of 6/13/94); Olmsted Co. (PM-10 maint. area as of 7/31/95); Dakota County (lead maint. area as of 12/19/94); St. Cloud (CO maint. area as of 8/27/93). | Work with MPCA to develop acceptable maintenance plans for areas that need to update their plans.  | A1a                     | MPCA completes update of maintenance plans. EPA approves plans submitted by MPCA.   | Policy and Rules |
| 4 | Implement contingency plans for maintenance areas if necessary.  | Provide guidance to MPCA   | A1a                     | Actions taken if a NAAQS violation occurs   | Policy and Rules |
| 5 | Develop and submit 111(d)/129 plans to EPA as required.  | Work with MPCA in reviewing rules for federal approval.  | A1a                     | MPCA will accept FIP for Medical Waste Incinerators and will work with EPA to develop an MOA. MPCA is working on rules for small MWCs and Commercial/ Industrial SWI's. | Policy and Rules |
| 6 | Complete Transportation Conformity State Implementation Plan (SIP). Submit it to EPA, then maintain it.  | EPA will review drafts of transportation conformity SIP so that rulemaking on the final submittal can be completed in an expedited manner. | A1a                     | Submit completed SIP in acceptable form and timeline.   | Policy and Rules |
| 7 | Work with EPA to address any new areas violating a criteria pollutant standard.  | Work with MPCA to address any new areas violating a criteria pollutant standard.   | A1a                     | Number of new areas violating a criteria pollutant standard.  | Policy and Rules |
| 8 | Following the MPCA's rule prioritization process, review rule suggestions, create a schedule for revising rules, and initiate and complete rules. Utilize Omnibus rulemakings to maintain consistency with federal rules.          | Review draft rules and identify SIP issues   | A1a                     | Publish quarterly the rulemaking docket on the Internet. Omnibus III rule completion by March 2003. Submit revision to SIP if necessary.                                | Policy and Rules |
| 9 | Meet EPA timelines for implementing the PM2.5 rules. As necessary, support this effort with technical expertise and air dispersion modeling. Participate in regional planning efforts  | Disseminate relevant guidance and provide technical assistance in the development of SIPs for PM2.5. Process SIPs as necessary.            | A1b; A3a                | Meet timelines.   | Policy and Rules |

| #  | MPCA Activity  | EPA Activity  | Environmental Objective | Output Measure  | Function         |
|----|--|---|-------------------------|---|------------------|
| 10 | Meet EPA timelines for implementing the 8-hour ozone standard, if necessary. Support this effort with technical expertise and air dispersion modeling. Participate in regional planning efforts.   | Disseminate relevant guidance and provide technical assistance in the development of SIPs for 8-hour ozone. Process SIPs as necessary.  | A1b; A3a                | Meet timelines.   | Policy and Rules |
| 11 | Assist and encourage Clean Air Minnesota. Work with stakeholder groups and encourage proactive measures. Provide technical expertise where possible.   | EPA will support the efforts of MPCA and stakeholder groups.  | A1b; A3a                |   | Policy and Rules |
| 12 | Issue Title V permits according to the MPCA's permitting strategy, as required by EPA, with all applicable requirements and compliance demonstration methods (including Title IV conditions and NESHAP conditions). Include a requirement to demonstrate compliance.   |   | A1a; A2a,b              | Number of federal operating permits issued:<br># Title V permits<br># [subset] Permits with Title IV conditions<br>Permits available on MPCA web site.                            | Permitting       |
| 13 | Issue permits for new NSR major sources NSR major modifications and synthetic minor modifications, as required by EPA, with applicable requirements and compliance demonstration methods. Put BACT and LAER determinations in the RACT/BACT/LAER Clearinghouse (RBLC). |   | A1a; A2a,b              | Number of major amendments issued:<br># Permits major for PSD or NA-NSR<br># Permits containing conditions restricting emissions below major source or major modification levels. | Permitting       |
| 14 | Conduct site visits as part of permit teams.   |   | A1a; A2a,b              | Number of site visits conducted.  | Permitting       |
| 15 | Implement strategy to move SIP limits into Title V permits or federally enforceable state permits that meet the criteria of the 7/3/97 SIP agreement.  | EPA reviews permits during the permit public comment period (also gets a second review under the SIP process) per 7/3/97 agreement. Expedite FR notice if total facility permit issuance incorporates a construction project. | A1a                     | Number of permits EPA reviews during the MN public comment period. (As permits are reviewed, site specific SIP requirements will be incorporated.)                                | Permitting       |
| 16 | For permits containing SIP limits, submit amended permits as revisions to SIP when SIP limits are impacted.  | EPA reviews permits during the permit public comment period (also gets a second review under the SIP process). Work with MPCA in identifying priority projects that need earliest review and FR notice.                       | A1a                     | Number of amended permits submitted to EPA. EPA goal to publish FR notice within 6 months of receipt of MPCA submittal when the amendment includes a construction project.        | Permitting       |

| #  | MPCA Activity   | EPA Activity   | Environmental Objective | Output Measure   | Function                  |
|----|---|--|-------------------------|--|---------------------------|
| 17 | Continue MPCA's efforts on Andersen XL project to increase flexibility and reduce permitting burden while reducing paper work and emissions.  | EPA signed applicability determination on May 29, 2002   | A1a                     | Plan to issue Anderson XL permit by December 1, 2003.  | Permitting                |
| 18 | Quantify annual criteria pollutant emissions from Type A point sources every year, from Type B point sources every three years.   |  | A1a,b                   | # of sources in the emission inventory; # of SO <sub>2</sub> sources, # of NO <sub>x</sub> sources, # of PM <sub>10</sub> sources, and # of Pb sources in the emission inventory; report emissions to the National Emission Inventory (NEI). | Monitoring and Evaluation |
| 19 | Maintain precipitation monitoring at eight National Atmospheric Deposition Program sites in Minnesota for acid rain and mercury analysis.   |  | A1a,b; A2a,b            | Produce quality-assured precipitation chemistry data for trend analysis.   | Monitoring and Evaluation |
| 20 | Maintain ambient air-quality monitoring network.  |  | A1a,b; A2a,b            | Submit quality-assured data to AIRS periodically. Assure 75% uptime on all continuous data and 75% data collection on intermittent samples.  | Monitoring and Evaluation |
| 21 | Maintain a program for quality assurance and quality control (QA/QC).   | Quality Assurance: Provide technical guidance and periodic review for quality assurance procedures and systems. Provide periodic review of air-quality data. | A1a,b; A2a,b            | Assure that all continuous and intermittent data are quality-assured in accord with standard operating procedures, Code of Federal Regulations and EPA guidelines.   | Monitoring and Evaluation |
| 22 | Complete an annual review of the ambient-air-quality monitoring network. Submit an annual Ambient Air Monitoring Network Review for criteria pollutants. <i>Complete annual review and submit an annual Ambient Air Monitoring Network Review for PM 2.5.</i> | Review and respond to annual Ambient Air Monitoring Network Review for criteria pollutants within 90 days.   | A1a,b                   | Submit report on network review to EPA. EPA receipt of an Ambient Air Monitoring Network Review for criteria pollutants and PM 2-5. MPCA receipt of comments from EPA.   | Monitoring and Evaluation |
| 23 | Enter the criteria pollutant data into AIRS within 90 days after each quarter ends.   | Review and respond to annual Ambient Air Monitoring Network Review for PM <sub>2.5</sub> within 90 days.   | A1a,b                   | EPA receipt of an Ambient Air Monitoring Network Review for PM <sub>2.5</sub> . MPCA receipt of comments from EPA.   | Monitoring and Evaluation |
| 24 | Send letter certifying the AIRS data by July 1, 2003.   |  | A1a,b                   | EPA receipt of certification letter.   | Monitoring and Evaluation |
| 25 | Continue working with Indian Tribes in ambient air monitoring efforts.  |  | A1a,b; A2a,b            | Continuation of work.  | Monitoring and Evaluation |

| #  | MPCA Activity  | EPA Activity   | Environmental Objective | Output Measure   | Function                   |
|----|--|--|-------------------------|--|----------------------------|
| 26 | Respond to formal request for NSPS applicability determinations and waivers. Correspond electronically as needed.  | Respond to formal request for NSPS applicability determinations and waivers.   | A1a,b                   | Percent responded to.  | Compliance and Enforcement |
| 27 | Maintain enforcement response plan.  |  | A1a,b; A2a,b            | Plan maintained.   | Compliance and Enforcement |
| 28 | Identify and reduce the amount of noncompliance.   |  | A1a,b; A2a,b            | Report % of all major facilities that are not HPVs - goal 95% compliance rate; Report % of major facilities in compliance after perf. test - goal 90% compliance rate; Report % of CEM equipped facilities in compliance - goal 90% compliance rate.   | Compliance and Enforcement |
| 29 | Implement CMS policy as negotiated in October 2001.  | Conduct onsite visits, investigations, and compliance evaluations in accordance with the CMS policy of October 2001. | A1a,b; A2a,b            | Report number of full compliance evaluations (FCE) performed annually at Title V Major sources and Synthetic Minors. Goal of 130 of 260 Title V sources FCE annually and 86 of 344 synthetic minor FCE annually. Of the 93 sources of unknown classification, conduct FCE for all by Sept. 30, 2004. | Compliance and Enforcement |
| 30 | Refer noncompliance to enforcement staff in a timely manner. Identify enforcement cases that qualify for the High Priority Violations List.  |  | A1a,b; A2a,b            | Percent of cases referred to in a timely manner and Percent and number of High Priority cases.   | Compliance and Enforcement |
| 31 | Initiate and follow through with enforcement as appropriate and in compliance with the Enforcement Response Plan to bring facilities subject to federal and state AQ regulations into compliance |  | A1a,b; A2a,b            | # of sources returned to compliance  | Compliance and Enforcement |
| 32 |  | Identify and reduce the amount of noncompliance.   | A1a,b; A2a,b            | Reductions identified  | Compliance and Enforcement |

| #  | MPCA Activity | EPA Activity   | Environmental Objective | Output Measure  | Function                   |
|----|---------------|--|-------------------------|---|----------------------------|
| 33 |               | Report to EPA headquarters twice each year information on compliance assistance activities.                              | A1a,b; A2a,b            | Number of sources. Number of sources receiving compliance assistance on site. Number of sources receiving compliance (other than on site).Amount of significant change as a result of compliance assistance activities. | Compliance and Enforcement |
| 34 |               | Improve Region 5 air-program outreach plan (e.g., Internet homepage, technical clearinghouse).                           | A1a,b; A2a,b; A3a       | List of Improvements made to air program outreach.  | Compliance and Enforcement |
| 35 |               | Provide outreach to Region 5 states on mass monitoring or any other new monitoring method (e.g., monitoring for mercury) | A1a,b; A2a,b            | Number of outreach activities.  | Compliance and Enforcement |
| 36 |               | Follow the EPA enforcement policy for sources located on Tribal Lands  | A1a,b; A2a,b            | Percent of cases where appropriate policy was used.   | Compliance and Enforcement |
| 37 |               | Use appropriate compliance-assistance programs.  | A1a,b; A2a,b            | Number of cases where appropriate compliance assistance programs were used.   | Compliance and Enforcement |
| 38 |               | Identify enforcement cases that qualify for the High Priority Violations List. Subset of 34                              | A1a,b; A2a,b            | # of sources identified   | Compliance and Enforcement |
| 39 |               | Support, address and resolve federal lead cases.   | A1a,b; A2a,b            | Report data from Recap Retrievals   | Compliance and Enforcement |
| 40 |               | Develop new federal lead enforcement cases from compliance determination section or referrals from the MPCA.             | A1a,b; A2a,b            | Number of new federal lead cases initiated.   | Compliance and Enforcement |
| 41 |               | Track all federal SEPs.  | A1a,b; A2a,b            | Number of SEPs.   | Compliance and Enforcement |
| 42 |               | Use the appropriate compliance incentive or policy.  | A1a,b; A2a,b            | Number of cases where appropriate incentive or policy was used.   | Compliance and Enforcement |
| 43 |               | Resolve federal lead cases according to the high priority violations timely and appropriate guidance.                    | A1a,b; A2a,b            | Track lead cases against timely and appropriate guidance.   | Compliance and Enforcement |
| 44 |               | Execute Consent Decrees.   | A1a,b; A2a,b            | Report to EPA Headquarters quarterly.   | Compliance and Enforcement |
| 45 |               | Technical assistance will be provided to regulated parties as needed.  | A1a,b; A2a,b            | Meetings or conference calls between EPA and MPCA.  | Compliance and Enforcement |

| #         | MPCA Activity   | EPA Activity   | Environmental Objective | Output Measure  | Function                   |
|-----------|---|--|-------------------------|---|----------------------------|
| 46        |   | Forward information regarding upcoming regulations to MPCA.            | A1a,b; A2a,b; A3a       | EPA guidance is provided. Number of phone calls, mailings, training, meetings with customers.   | Compliance and Enforcement |
| 47        |   | Follow up on tips and complaints from citizens                         | A1a,b; A2a,b            | Number of complaints.   | Compliance and Enforcement |
| 48        |   | Continue compliance assistance and educational activities.             | A1a,b; A2a,b            | Number of outreach activities.  | Compliance and Enforcement |
| <b>49</b> | <b>Goal A2: Minnesota's outdoor air quality will meet environmental and human health benchmarks for toxic air pollutants.</b>   |  |                         |   |                            |
| 50        | Continue to develop and implement as appropriate reduction strategies for air toxics. Facilitate voluntary reduction measures; maximize those with ozone co-benefits. | Provide support and guidance   | A2a,b                   | Number of reduction strategies implemented.   | Policy and Rules           |
| 51        | Work with EPA to develop national air toxics program.   |  | A2a,b                   | Provide comments on national policy and rule initiatives as they affect Minnesota. Participate in STAPPA/ALAPCO air toxics committees.  | Policy and Rules           |
| 52        | Address emissions of air toxics according to 112(l) delegation and the memorandum of agreement."  | Work with MPCA to draft 112(l) delegation and memorandum of agreement. | A2b                     | Delegation and MOA drafted.   | Permitting                 |
| 53        | Conduct case by case MACT as necessary under 112(g)   |  | A2b                     | Number of MACT cases conducted under 112(g).  | Permitting                 |
| 53        | Quantify, every 3 years, annual hazardous air pollutant (HAP) emissions from point sources; submit toxics inventory data to the NEI.                                  |  | A2a,b                   | (1) Review draft 1999 NTI between 10/1/02 and 1/1/03; (2) Submit comments on draft 1999 NTI by 2/1/03; (3) Improve inventory by populating with modeling parameters where missing and QA'ing locational data. | Monitoring and Evaluation  |
| 54        | Operate Pine Bend Monitoring Network.   |  | A2a,b                   | Obtain valid data from 75% of all samples. Publish quarterly reports of "raw" data that have been quality assured.  | Monitoring and Evaluation  |
| 55        | Operate Statewide Air Toxics Monitoring Network. Submit data to AIRS.   |  | A2a,b                   | Obtain valid data from 75% of all samples. Publish quarterly reports of "raw" data that have been quality assured. Submit data to AIRS on a quarterly basis.  | Monitoring and Evaluation  |

| #  | MPCA Activity   | EPA Activity  | Environmental Objective | Output Measure  | Function                   |
|--|---|---|-------------------------|---|----------------------------|
| 56   | Work with Region 5 and states to improve systems to assess and rank risks from air toxics. <i>Assess risk in local areas and communities as appropriate.</i>  | Develop guidance, tools, and training to facilitate states' risk assessment activities  | A2a,b                   | Continue improvements and communicate locally, regionally and nationally, as appropriate. | Monitoring and Evaluation  |
| 57   | Address emissions of air toxics according to 112(l) delegation and the memorandum of agreement."  | EPA has responsibility for non-Part 70 sources, as NESHAPs are not delegated to MPCA for these sources.                                   | A2a,b                   | Air toxics appropriately addressed by MPCA and EPA.                                       | Compliance and Enforcement |
| 58   |   | Develop guidance materials for MACT standards. Develop video conferencing capabilities for future training and to enhance communications. | A2a,b                   | Guidance developed. Assessment of video conferencing options.                             | Compliance and Enforcement |
| <b>59 Goal A3: Minnesotans' quality of life will not suffer from reduce visibility (haze).</b> |   |   |                         |   |                            |
| 60   | Meet EPA timelines for implementing the regional haze rules. As necessary, support this effort with technical expertise and air dispersion modeling. Participate in regional planning efforts through the RPOs. | Disseminate relevant guidance and provide technical assistance in the development of SIPs for regional haze. Process SIPs as necessary.   | A3a                     | Meet timelines.   | Policy and Rules           |
| 61   | Establish and operate two IMPROVE monitors in Minnesota's speciation (visibility) network.  |   | A3a                     | Operation of two IMPROVE monitors.  | Monitoring and Evaluation  |

| Row # | MPCA Activity   | EPA Activity   | Environmental Objective | Output Measure   | Function                  |
|-------|---|--|-------------------------|--|---------------------------|
| 1     | <b>Goal L1: Strive to eliminate the use of harmful substances in manufacturing products or delivering services.</b>   |  |                         |  |                           |
| 2     | Pollution-prevention assistance including but not limited to fact sheets, workshops, conference, compliance assistance projects, site visits and inspections.   | Support and participate in MPCA efforts, as is appropriate.                      | L1b,c                   | Number of staff hours(FTEs). Executive summary report.   | Assistance                |
| 3     | Support participation in household hazardous waste collection through education materials, training and partnering with public & private entries.   |  | L1b,c                   | Number of training sessions  | Assistance                |
| 4     | Site visits through LSI. Including newsletter, personal contact and a web page.   | None   | L1b,c                   | Results are available on website.  | Assistance                |
| 5     | Audits, complaints, inspections, site visits and document reviews directed towards prevention.  |  | L1b,c                   | Number of staff hours (FTEs) directed towards reducing the generation of hazardous waste. Number of inspections, complaints and site visits conducted by the seven Metro Counties.   | Compliance Determination  |
| 6     | MPCA provides written Supplemental Environmental Project (SEP) policy and guidance upon request.  | Make supplemental environmental project (SEP) information available to the MPCA. | L1b,c                   | Number and types of enforcement tools executed including supplemental environmental projects targeted towards hazardous waste reduction requirements. Number of and types of enforcement tools executed by the 7 Metro Counties. | Enforcement               |
| 7     | Compile Hazardous Waste information from Delta on management and waste generation rates. Provide information for the Resource Conservation and Recovery Act (RCRA) Biennial Reporting System to the EPA's RCRA Information System (RCRAInfo). |  | L1b,c                   | BRS completed and entered into BRS data system.  | Monitoring and Evaluation |

| Row # | MPCA Activity   | EPA Activity  | Environmental Objective | Output Measure  | Function                       |
|-------|---|---|-------------------------|---|--------------------------------|
| 8     | Perform PCB Inspections, collect samples and have samples analyzed by approved laboratory when needed and implement PCB phasedown program with utilities and industries in the Lake Superior Basin  | Provide guidance and assistance on policies, regulations and enforcement. Review reports and follow up with case development when applicable. Encourage companies to voluntarily participate in the phase out of PCB equipment. | L1a                     | Number of PCB inspections. Number of Samples taken/ analyzed.   | Monitoring and Evaluation      |
| 9     | Develop a program to reduce the generation of wastes containing RCRA Persistent and Bioaccumulative Toxic (PBT) chemicals, other than PCBs. MPCA will support EPA's Waste Minimization Partnership Program as a means of reducing the generation of wastes containing RCRA waste minimization priority chemicals. | Provide guidance and assistance on reducing PBT generation. Use facility list in conjunction with MPCA to solicit participation in the partnership program.   | L1a                     | Amount of hazardous waste generated containing RCRA PBT chemicals.MPCA will identify facilities to pollution prevention assistance providers. | Assistance, Policies and Rules |
| 10    | Leverage information learned in Lake Superior PCB phase down to promote statewide PCB removal.  | Promote removal of PCBs   | L1a                     | Amount of PCBs removed. Number of fact sheets distributed statewide.  | Policies and Rules             |
| 11    | Provide hazardous waste management assistance including but not limited to fact sheets, workshops, conferences, compliance assistance projects and site visits.   | Support and participate in MPCA efforts, as appropriate.  | L1a,b,c                 | Number of staff hours (FTEs) spent providing assistance.  | Assistance                     |

| Row # | MPCA Activity   | EPA Activity  | Environmental Objective | Output Measure   | Function                 |
|-------|---|---|-------------------------|--|--------------------------|
| 12    | MPCA will work with EPA to complete compliance evaluation inspections of RCRA large quantity generators, audits, complaints, site visits and document reviews directed towards proper hazardous waste management. | EPA will work with the MPCA to complete compliance evaluation inspections (CEIs) of RCRA large-quantity generators in accordance with the OECA Memorandum of Agreement (MOA) in EPA national and/or Regional priority sectors such as waste derived fertilizers, foundries, coating and electroplating operations, and installations subject to Subpart CC requirements; requests from MPCA; and installations subject to open Federal enforcement, judicial and/or administrative decrees/orders. EPA will refer citizen complaints it receives to the MPCA for follow-up action. Region5 will complete CEIs at 2 RCRA generators on tribal lands. | L1a,b,c                 | Number of staff hours (FTEs) directed towards reducing the generation of hazardous waste. Number of audits, inspections, site visits and document reviews conducted. | Compliance Determination |
| 13    | MPCA will work with EPA to complete statutorily-required inspections.   | Conduct compliance evaluation inspections (CEIs) at installations handling hazardous waste based on the criteria for EPA's selection which includes a statutory mandate: installations owned and/or operated by State or local governments identified in SWDA Section 3007(d), Federal facilities identified in SWDA Section 3007(c).   | L1a,b,c                 |  | Compliance Determination |

| Row # | MPCA Activity  | EPA Activity   | Environmental Objective | Output Measure   | Function                 |
|-------|--|--|-------------------------|--|--------------------------|
| 14    | Appropriate enforcement response tools directed towards improper hazardous waste management with violators addressed according to the EPA's Hazardous Waste Civil Enforcement Response Policy (not VSQGs).   | 1) EPA will issue enforcement responses to RCRA violations detected by EPA, or referred to EPA by MPCA in accordance with EPA's Hazardous Waste Civil Enforcement Response Policy, EPA's RCRA Civil Penalty Policy, and relevant enforcement strategies and inform MPCA of enforcement response actions initiated by EPA. 2) Conduct compliance and enforcement file reviews. 3) Discuss with MPCA topics such as: a) new or revised Federal RCRA rules, b) new or revised hazardous waste strategic plans, c) EPA's Hazardous Waste Civil Enforcement Response Policy, d) EPA's Civil Penalty Policy, e) EPA's computer programs to determine financial status of RCRA regulated entities, f) EPA's sector, waste, or rule specific enforcement strategies, and g) RCRA INFO and other data management tools. | L1a,b,c                 | Number and types of enforcement tools used.  | Enforcement              |
| 15    | Conduct hazardous waste compliance inspections on 4 SW incinerators in MN. Inspections will focus on ensuring HW is not accepted at SW incinerators and if accidentally accepted, that HW is properly sorted out of SW streams prior to incineration. Management of identified HW will be reviewed for compliance w/ state and federal rules. MPCA will also look at samples of ash from SW incinerators to ensure that the ash is managed properly. | Provide guidance as appropriate.   | L1a,b,c                 | Number of staff hours (FTEs) directed towards determining status of businesses burning hazardous waste, number of BIF determinations made, number of compliance determinations made. | Compliance Determination |
| 16    | Adopt mandatory federal RCRA rules needed to maintain program authorization.   | Provide guidance and model legislation as appropriate.   | L1a,b,c                 | Rules adopted.   | Policies and Rules       |
| 17    | Adopt optional, less stringent federal rules to improve rules as appropriate.  | Provide guidance and model legislation as appropriate.   | L1a,b,c                 | Rules adopted.   | Policies and Rules       |

| Row # | MPCA Activity   | EPA Activity   | Environmental Objective | Output Measure  | Function                    |
|-------|---|--|-------------------------|---|-----------------------------|
| 18    | Develop process to prioritize rule adoption.  | Provide guidance and model legislation as appropriate.   | L1a,b,c                 | Rules adopted.  | Policies and Rules          |
| 19    | Apply for authorization of RCRA program amendments.   | Provide guidance as appropriate.   | L1a,b,c                 | EPA deems application complete.   | Policies and Rules          |
| 20    | Enhance our relationship with EPA and Metro Counties by providing a hazardous waste liaison to the Metro Counties for the purpose of providing a holistic picture of the hazardous waste regulatory efforts underway in Minnesota.        | Fund .75 FTE through a one time Survey, Studies, Investigation, and Special Purposes grant.  | L1                      | Final assessment report.  | Program Specific Approaches |
| 21    | <b>Goal L2: Minimize or reduce the release of contaminants to or from the land.</b>   |  |                         |   |                             |
| 22    | MPCA will evaluate compliance at HW handlers through audits, complaint investigations, inspections, site visits and document reviews directed towards proper hazardous waste management (including remediating hazardous waste releases). | Support and participate in MPCA efforts, as appropriate. Conduct inspections, site visits and documents reviews towards hazardous waste released.  | L2a-d                   | Number of MPCA compliance evaluation inspections, audits, complaint investigations, site visits & document reviews (including hazardous waste release prevention).  | Compliance Determination    |
| 23    | Appropriate enforcement response tools directed towards remediation (including supplemental environmental projects).  | Assist MPCA in program for supplemental environmental projects.  | L2a-d                   | Number and types of enforcement actions used (including supplemental environmental projects).   | Enforcement                 |
| 24    | Maintain identified release sites lists.  | Provide release site information to MPCA as appropriate.   | L2a-d                   | Number of hazardous waste release sites identified and remediated.  | Monitoring and Evaluation   |
| 25    | Issue and reissue TSD permits and closure plan approvals, compliance agreements and corrective action agreements at release sites.  | EPA will issue those portions of RCRA permits for which the State has not been authorized. EPA will work with the MPCA to complete financial record reviews, permit modifications and other permitting-related activities. | L2a-d                   | Number of permits, agreements issued and reissued. Number of financial record reviews, permit modifications, and other permit-related activities completed. Percent of existing hazardous waste management facilities with approved controls in places (EPA CPM). | Permitting                  |
| 26    | Administer hazardous-waste generator cleanup loan program.  |  | L2a-d                   | Number of loans approved.   | Program Specific Approaches |
| 27    | Provide remediation oversight.  | Assist with remediation oversight as requested by MPCA.  | L2a-d                   | Number of sites where oversight was provided. # of hazardous waste release sites identified & remediated.   | Remediation                 |
| 28    | <b>Goal L3: Restore contaminated land to productive use.</b>  |  |                         |   |                             |

| Row # | MPCA Activity  | EPA Activity           | Environmental Objective | Output Measure   | Function                 |
|-------|--|------------------------|-------------------------|--|--------------------------|
| 29    | Provide education on use of Voluntary Investigation and Cleanup (VIC) program guidance documents.  |                        | L3b;GW1d                | Number of cleanup/reuse decisions made with public participation.  | Assistance               |
| 30    | Develop, revise or maintain and provide VIC program guidance documents (education and outreach materials).   |                        | L3b;GW1d                | Number of documents provided.  | Assistance               |
| 31    | Participate in general outreach activities including partnering with local government, community groups and other potential VIC program users.   |                        | L3b;GW1d                | Conduct about 15 outreach activities each year.  | Assistance               |
| 32    | To investigate additional large petroleum storage tank facilities per year, to facilitate corrective action and to ensure proper closure of petroleum tank release sites.  |                        | L3a;GW1d                | Number of large petroleum storage tanks investigated. Number of petroleum tank release sites with corrective action plans. Number of petroleum tank release sites properly closed. | Compliance Determination |
| 33    | Continue to work cooperatively with EPA under the RCRA Corrective Action at RCRA Interim Status facilities Memorandum of Understanding with EPA.   |                        | L3b                     | Continue working under MOU.  | Compliance Determination |
| 34    | MPCA will use RCRA Corrective Action supplemental funds to complete Environmental Indicators(EI) forms for remaining GPRA sites and Non-GPRA High Priority sites, and as necessary, sampling to achieve positive EI at GPRA sites. | Award funding in 2003. | L3                      | Complete EI forms for remaining GPRA sites by 9/30/04.   | Compliance Determination |
| 35    | Develop and update Superfund policies and administrative reform, legislative initiatives, to new initiatives and customer-desired outcomes.  |                        | L3c;GW1d                | Policies developed or updated.   | Policies and Rules       |
| 36    | Site Assessment: Traditional Program.  |                        | L3c; GW1d               | Number of IA's and CERCLIS screenings. MPCA will complete 3 PA/Sis ans 75 pre-CERLIS screenings.   | Remediation              |
| 37    | Identify Responsible Parties.  |                        | L3c; GW1d               | Conduct initial responsible party search on all identified sites.  | Remediation              |

| Row # | MPCA Activity   | EPA Activity   | Environmental Objective | Output Measure  | Function    |
|-------|---|--|-------------------------|---|-------------|
| 38    | Provide useable information data to property stakeholders.                                |  | L3c;GW1d                | Number of requests for information.   | Assistance  |
| 39    | Market the availability of this service to stakeholders throughout the state.             |  | L3c;GW1d                | Number of requests for information.   | Assistance  |
| 40    | Develop and maintain risk based guidance documents.                                       |  | L3c;GW1d                | Guidance documents maintained.  | Assistance  |
| 41    | Provide assistance in evaluating risk to human health and ecology from remediation sites. |  | L3c;GW1d                | Number of projects where assistance provided.   | Assistance  |
| 42    | Site Assessment: Brownfields.   |  | L3c;GW1d                | MPCA will complete assessment of the Bassett Creek Site. MPCA will complete 3 Phase I/II Assessments. Close out TBA activities. | Remediation |
| 43    |   | Award cooperative agreement funds for brownfield assessments and to capitalize revolving loan funds to clean up brownfield properties. | L3c;GW1d                | Amount of cooperative agreement funds awarded.  | Remediation |
| 44    |   | Respond to all requests to assist with transfer of federal properties for reuse or redevelopment.                                      | L3c;GW1d                | Number of properties to enter VIC program.<br>Number of acres available for reuse or redevelopment.                             | Remediation |
| 45    |   | Provide follow-up on TBA's conducted.  | L3c;GW1d                | Amount of funds leveraged for redevelopment and for cleanup. Number of jobs generated.  | Remediation |

| Row # | MPCA Activity  | EPA Activity                     | Environmental Objective | Output Measure  | Function                    |
|-------|--|----------------------------------|-------------------------|---|-----------------------------|
| 1     | <b>Goal W1: Reduce the quantities and levels of contamination in groundwater.</b>  |                                  |                         |   |                             |
| 2     | Monitor selected feedlots for compliance with hydrogen sulfide standard.   |                                  | GW1a                    | Number of monitored feedlots in compliance with the hydrogen sulfide standard.  | Monitoring and evaluation   |
| 3     | Provide training for County Feedlot Officers, Producer Groups, Soil and Water Conservation Districts and Board of Water and Soil Resources.  |                                  | GW1a                    | Number of training functions provided.  | Assistance                  |
| 4     | Continue delegation of feedlot program to counties.  |                                  | GW1a                    | Number and percent of counties in Minnesota with delegated feedlot programs.  | Program Specific Approaches |
| 5     | Promote development and use of Manure Management Plans.  |                                  | GW1a                    | Number of Manure Management Plan guidance documents, sampling plans, and fact sheets produced. (or a measure of assistance provided to feedlot operators or counties on Manure Management Plans). | Program Specific Approaches |
| 6     | Continue development of the Minnesota feedlot inventory, including the identification of CAFOs through 2001.   |                                  | GW1a                    | Number of new feedlots added to or removed from the inventory per year. Number of federally defined CAFOs.  | Program Specific Approaches |
| 7     | Prior to January 2002, the MPCA will continue to inspect CAFOs as per the <i>Compliance Assurance Plan for Feedlots in Minnesota</i> . MPCA will continue to inspect CAFOs during and after January 2002, with the goal of inspecting all CAFOs before October 2003.           |                                  | GW1a                    | Reported Quarterly: Number of CAFO inspections conducted  | Enforcement                 |
| 8     | Provided that EPA revises the federal regulations for CAFOs, MPCA will revise the Minnesota Rules and seek amendments to Minnesota Statutes, as necessary, to establish MPCA's authority to administer the federal revisions by the time provided in 40 CFR section 123.62(e). | Revise federal CAFO regulations. | GW1a                    | Regulations revised and MN Rules revised and MN Statutes amended as necessary.  | Policies and Rules          |

| Row # | MPCA Activity   | EPA Activity | Environmental Objective | Output Measure  | Function   |
|-------|---|--------------|-------------------------|---|------------|
| 9     | <p>Issue NPDES permits to facilities that meet both of the following conditions: (1) they have 1000 or more animal units as the term "animal unit" is defined under Minnesota law and (2) they are concentrated animal feeding operations as described in 40 CFR 122, Appendix B, clause (a). Those facilities considered a concentrated animal feeding operation as described in 40 CFR 122, Appendix B, clause (a) but having fewer than 1000 animal units under Minnesota law, will be required to obtain an NPDES permit if they have discharged, are discharging, or have the potential to discharge from their animal production areas (including discharges of manure, process wastewater, nonprocess wastewater or storm water associated with industrial activity) or inappropriate land application activities.</p> |              | GW1a                    | Number of individual permits issued and reissued, the number of applications covered by the general permit, and the percent feedlot permits that have expired.  | Permitting |
| 10    | <p>Through NPDES enforcement, require CAFOs with more than 300 but less than 1,000 animal units to eliminate the conditions that cause the facility to be defined as a CAFO. Where the conditions are not immediately eliminated, require corrective measures through NPDES permits. Until any inadequacies with pertinent provisions of Minnesota law are resolved, coordinate with Region 5 on permitting and enforcement actions for CAFOs with more than 300 but less than 500 animal units.</p>  |              | GW1a                    | For CAFOs with more than 300 but less than 1,000 Animal Units: Number of feedlots where the CAFO conditions were eliminated; number of feedlots where corrective measures for CAFO conditions are required through an NPDES permit. Number of permitting and enforcement actions taken for CAFOs with more than 300 but less than 500 animal units. | Permitting |

| Row # | MPCA Activity   | EPA Activity   | Environmental Objective | Output Measure   | Function                 |
|-------|---|--|-------------------------|--|--------------------------|
| 11    | Update regional Confined Animal Feeding Operation survey.   |  | L3c;GW1d                | Updated Survey.  | Permitting               |
| 12    | Provide advice to emergency responders by phone or at site.   |  | GW1d                    | Number of prevention and preparedness training, meeting, inspection or review events.  | Assistance               |
| 13    | Conduct outreach and training for responsible parties and other emergency responders.                                   |  | GW1d                    | Number of boom schools, newsletters, training sessions, etc.   | Assistance               |
| 14    | Participation or leadership in response exercises.  | Participation or leadership in response exercises.   | GW1d                    | Number of exercises.   | Assistance               |
| 15    | Assist volunteers, owners/operators of LUST sites w/ investigations and corrective actions.                             |  | GW1e                    | Number of LUST site visits.  | Assistance               |
| 16    | To foster improved spill prevention and preparedness among large petroleum tank facility operators.                     |  | GW1d                    | Number and percent of large petroleum tank facilities provided with assistance concerning spill prevention and preparedness. | Assistance               |
| 17    | Plan and participate in spill drills at major facilities.   |  | GW1d                    | Number of staff participating in spill drills.   | Assistance               |
| 18    | Assist tank facilities in spill prevention and preparedness.  |  | GW1d                    | Number of tank facilities seeking assistance.  | Assistance               |
| 19    | Provide information from the tanks database on request.   | Assist as needed.  | GW1d&e                  | Number of formal information requests received.  | Assistance               |
| 20    | Conduct recertification workshops for tank owners and operators.  |  | GW1d                    | Number of people trained at certification or recertification workshops.  | Assistance               |
| 21    | Review adequacy of facilities' prevention and preparedness measures.  | Review adequacy of major facilities' prevention and preparedness measures.   | GW1d&e                  | Number of formal response plan reviews.  | Compliance Determination |
| 22    | Review LUST site investigative reports.   |  | GW1e                    | Number of risk-based corrective actions initiated.   | Compliance Determination |
| 23    | Evaluate LUST sites for risk-based closures.  |  | GW1e                    | Number of risk-based corrective actions completed.   | Compliance Determination |
| 24    | Conduct periodic installation and underground storage tank (UST) facility inspections and audits.                       | EPA will perform facility inspections.   | GW1d                    | Number of installation and facility inspections and audits completed .   | Compliance Determination |
| 25    | Take enforcement actions when necessary against responsible parties of LUST tank owners or operators, contractors, etc. | Provide guidance and assistance on policies, regulations and EPA Region 5 enforcement. Referrals of enforcement cases. | GW1e                    | Number of LUST enforcement actions issued.   | Enforcement              |

| Row # | MPCA Activity   | EPA Activity   | Environmental Objective | Output Measure   | Function                    |
|-------|---|--|-------------------------|--|-----------------------------|
| 26    | Take enforcement actions when necessary against UST responsible parties, tank owners or operators, contractors, etc.                      | Provide guidance and assistance on policies, regulations and EPA Region 5 enforcement. Referrals of enforcement cases.                               | GW1d                    | Number of UST enforcement actions issued.  | Enforcement                 |
| 27    | Provide timely reviews of LUST site reports.  |  | GW1e                    | Total number of reports received and the number of reviews completed within 120 days.  | Monitoring and Evaluation   |
| 28    | Develop guidance for the implementation of new policies in the LUST program.  | Provide guidance and interpretation of LUST policies and regulations.  | GW1e                    | Guidance documents developed.  | Policies and Rules          |
| 29    | Develop guidance for the implementation of new policies in the UST program.   | Provide guidance and interpretation of UST policies and regulations.   | GW1d                    | Guidance documents developed.  | Policies and Rules          |
| 30    | Emergency response staff will participate in watershed-based group and geographic sub-area groups.  | Support this MPCA activity.  | GW1d                    | Number of active watershed-based emergency preparedness organizations.   | Program Specific Approaches |
| 31    | Protect human health and the environment at development sites with petroleum contaminated soils and groundwater.                          |  | GW1d                    | Number of participants in the VPIC program. Number of expedited report reviews completed and number of assurance letters provided. | Program Specific Approaches |
| 32    | Identify, prioritize and assess contaminated sites.   | Review reports of state investigations to screen for potential need for federal action.  | GW1d                    | Number of sites identified, assessed, and number receiving development approval letters.   | Remediation                 |
| 33    | Conduct 5-year Reviews of the Effectiveness of Remedies.  |  | GW1d                    | MPCA will conduct 5-year Reviews of the Effectiveness of Remedies at 5 sites by September 30, 2003.                                | Remediation                 |
| 34    | Initiate and complete LUST risk-based corrective actions if the responsible person is financially unable, uncooperative, or non-existent. | EPA will provide special expertise, equipment or contractors at the request of the state and will respond to oil spills when requested by the state. | GW1e                    | Number of corrective actions initiated and completed under fund-finance.   | Remediation                 |

| Row # | MPCA Activity   | EPA Activity | Environmental Objective | Output Measure   | Function                  |
|-------|---|--------------|-------------------------|--|---------------------------|
| 35    | Keep the regulated community informed of changes to the LUST risk-based fact sheets and maintain program consistency.   |              | GW1e                    | Conduct consultants days; announce major fact sheet changes; notify consultants and multiple-site RPs via mass mailing or minor changes to fact sheets; and regularly conduct training events for program staff; Number of program website visits. | Remediation               |
| 36    | MPCA will work with other agencies to evaluate existing groundwater data to make a recommendation on the need to establish a long term ambient groundwater network. |              | GW1a-e                  | MPCA will develop a plan using existing wells when possible and identify where new wells are needed to fill information gaps.  | Monitoring and Evaluation |

| Row # | MPCA Activity   | EPA Activity  | Environmental Objective | Output Measure  | Function   |
|-------|---|---|-------------------------|---|------------|
| 1     | <b>Goal W1: To protect Minnesota's rivers, lakes, wetlands, and groundwater from discharges from point and nonpoint sources so they will meet their designated uses.</b>                  |   |                         |   |            |
| 2     | Coordinate water protection and management activities with other state agencies local units of government and other interested parties to identify opportunities for cooperative efforts. | Region 5 will continue to discuss ground water priorities with MPCA   | W1a                     | Participate in Interagency Lake Coordinating Committee meetings. Participate in planning and implementing interagency workshop sessions to discuss technical, policy, and planning issues associated with lake protection and management. Continue to participate in and provide leadership for state interagency surface water monitoring groups. Continue basin plan development. | Assistance |
| 3     | Outreach for wastewater facility operators through completion of six Operation Management Evaluations (OME) and attendance at the National OME Conference.                                |   | W1a                     | Number of OMEs completed.   | Assistance |
| 4     | Provide customers with training on water-pollution controls.  |   | W1a                     | Number and type of Water Quality related Training Courses Offered, Number of Hours of Training Provided and Number of Participants; reported by District.   | Assistance |
| 5     | Provide grants for watershed assessment and grants and loans for implementation and efforts to reduce nonpoint-source pollution.  | Work with MPCA on the award of 319 grants by offering technical assistance on non-point source issues, 319 workplans submitted for approval, and review proposed projects for legality/eligibility under Section 319 of the Clean Water Act | W1a                     | Measure number of watersheds assessed and analyzed and report assessment information on water quality, load reductions, etc. in such documents as annual NPS report, Basin reports, Section 305(b) water quality reports, etc.  | Assistance |

| Row # | MPCA Activity  | EPA Activity   | Environmental Objective | Output Measure   | Function                  |
|-------|--|--|-------------------------|--|---------------------------|
| 6     | Implementation of 319 Management Program Plan. Implement the MPCA 319 Management Program Plan and submit the Annual NPS report that includes environmental accomplishments and highlights improvements by 10/01/03 (including a summary of the MPCA NPS Management Program Plan milestones that have been completed and a summary of the progress of all open projects). Ensure emphasis on measurable environmental improvements and specifically on reductions in sediment and nutrient loadings. Maintain and update the Grants Reporting and Tracking System (GRTS). | Evaluate the state program for the purpose of determining whether the state program meets the requirements for recognition as a Nonpoint Source Enhanced Benefits state (when requested by the State). Review and approve the revised Minnesota Nonpoint Source Management Program Plan. Review and provide comments on the State Annual NPS report. Provide assistance on GRTS and information needed for semi-annual and annual reports. | W1a                     | Annual submission of projects and project lists, and description of agency program support. Semi-annual Report submitted through use of GRTS. Annual Report submitted. Watershed Plans submitted to EPA for information and review only. | Assistance                |
| 7     | Coordinate 319/NPS monitoring with the statewide monitoring program and require that data collected under Section 319 are entered into STORET and used appropriately for such things as 305(b) reports.  | Provide technical and program assistance to the state in integrating the various levels of NPS information needs with State Monitoring efforts. Design more flexibility into STORET application, and develop more user friendly retrieval capability for EPA WEB access to STORET.   | W1a                     | STORET updates 305(b) report with NPS information.   | Monitoring and Evaluation |
| 8     | Submit a strategy and an annual sanitary sewer overflow report to EPA based on Delta spills database.  |  | W1a                     | Submit strategy and report   | Compliance Determination  |
| 9     | Inspect 100% of NPDES major facilities.  | Review Permit Compliance System reports such as quarterly noncompliance report to determine compliance levels.   | W1a                     | Number and percent of inspections and a) major NPDES permitted facilities and b) regular (minor) NPDES permitted facilities. Targets: FY02 - 61 major facilities and 262 regular facilities. FY03 - 86 major facilities.                 | Compliance Determination  |
| 10    | Conduct pretreatment audits on three delegated programs per two years. Conduct pretreatment audits or compliance inspections on 100% of delegated programs annually.   |  | W1a; W1d                | Number of pretreatment audits completed. Number and percent of delegated pretreatment programs inspected per year by a) audits and b) compliance inspections.  | Compliance Determination  |

| Row # | MPCA Activity  | EPA Activity  | Environmental Objective | Output Measure   | Function                  |
|-------|--|---|-------------------------|--|---------------------------|
| 11    | Response to noncompliance, use timely and appropriate enforcement.   |   | W1a,W1d                 | Number of enforcement actions. Maintaining compliance rates of 90% or more and maintain Active Exceptions List (AEL) rate of 2% or less.   |                           |
| 12    |  | Develop report on R5 Pretreatment Program   | W1a; W1d                | R5 Pretreatment Program report developed.  | Compliance Determination  |
| 13    | Maintain WENDB database and pretreatment PCS.  |   | W1a; W1d                | Databases maintained.  | Monitoring and Evaluation |
| 14    | State recognizes a need for national database either by maintaining data in PCS or working with EPA to transfer data from the State system to PCS, utilizing Central Data Exchange (CDX) or Information Data Exchange Format (IDEX). | EPA will work with state to transfer data from the State system to PCS.   | W1a                     | Data will be maintained and shared in PCS and transferred to other systems if mechanism exists to do so.   | Monitoring and Evaluation |
| 15    | Issue IU permits for CIUs in non-approved POTWs.   |   | W1a; W1d                | IU permits issued.   | Permitting                |
| 16    | Enforcement management system updated as is appropriate.   |   | W1a                     | Update the EMS and provide to the EPA for review.  | Enforcement               |
| 17    | Use the approved Quality Management Plan(QMP.) Update Agency Quality Management Plan. Plan was approved in FY 01, updated plan will be submitted January 03.   |   | W1a                     | Plan submitted. Agency Quality Management Plan updated by December 31, 2002.   | Monitoring and Evaluation |
| 18    | Continue to develop and implement a monitoring and assessment strategy. Work with EPA to undertake an assessment of the Minnesota monitoring program.  | Provide the latest Sec. 106 guidance for preparing monitoring strategy. Provide technical and other assistance for improving Minnesota's water monitoring program. Hold technical/policy related meeting on probability-based monitoring.                           | W1a                     | Assess MN monitoring program.  | Monitoring and Evaluation |
| 19    | Initiate development of biocriteria for at least one region over the course of the EnPPA agreements.   | Provide technical support and/or guidance, as needed. Provide assistance through Midwest Biological Institute. Assist with field work; seek additional funds from HQ to assist State in developing criteria. Possibly host Monitoring Designed Workshop (ORD lead). | W1a                     | In 2002, the focus will be on reports and catching up. In 2003, sampling will resume on the Minnesota River, in 2004, sampling will start on the lower portion of the upper Mississippi. | Monitoring and Evaluation |

| Row # | MPCA Activity  | EPA Activity   | Environmental Objective | Output Measure  | Function                  |
|-------|--|--|-------------------------|---|---------------------------|
| 20    | Provide annual monitoring implementation plans.  | Provide guidance on developing monitoring strategies (Elements of an Adequate State Monitoring Program) and take an active part in assisting States, upon request. | All water objectives    | Implementation plans provided to EPA.   | Monitoring and Evaluation |
| 21    | Continue development of biological criteria for wetlands.  | Facilitate exchange of technical information and provide technical assistance in developing wetland criteria.  | W1a                     | IBI metrics developed for large depression wetlands, vernal pool wetlands, and riparian wetlands. | Monitoring and Evaluation |
| 22    | Develop total maximum daily loads (TMDL) list for waterbodies identified in TMDL Development Strategy.   | Provide review of the state's TMDL listing, long term schedule and methodologies. Review TMDLs.  | All water objectives    | Refer to strategy plan.   | Monitoring and Evaluation |
| 23    | Develop a 2004 303(d) list and detailed 2-year review of the state's 303 (d) list, long term schedule, public notice and submittal for EPA approval, as required.  | Provide schedule and methodologies. Review TMDLs.  | All water objectives    | Refer to strategy plan.   | Monitoring and Evaluation |
| 24    | The TMDL Strategies for Federal FY 2003 and 2004 will be developed and followed.   | Review TMDLs   | All water objectives    | Refer to strategy plan. 10/1/02 - 9/30/03: 6 TMDLs; 10/1/03 - 9/30/04: 5 TMDLs.                   | Monitoring and Evaluation |
| 25    | If it becomes necessary for Region 5 to complete the 2002 303(d) list for Minnesota, Minnesota will cooperate with Region 5 by providing information, as needed.   | Develop 2002 303(d) list, if necessary.  | All water objectives    | Cooperation with EPA , if necessary.  | Monitoring and Evaluation |
| 26    | Prepare waterbody assessments evaluating against designated uses for basin information documents and complete a comprehensive statewide 305(b) report (include percent of selected substances found in surface waters) by 4-1-04. Due to limited resources, and consistent with rotating basins approach, this comprehensive report will pull together assessments done for some basins in 2000; some in 2002, and some in 2004. Submit a draft 305(b) report by 1-1-04. Begin to incorporate the monitoring results from probability surveys into reports to EPA. | Review & comment on 305b & basin assessment reports; and insure that reports are submitted by due dates.   | All water objectives    | Reports completed.  | Monitoring and Evaluation |

| Row # | MPCA Activity  | EPA Activity  | Environmental Objective | Output Measure   | Function                    |
|-------|--|---|-------------------------|--|-----------------------------|
| 27    | Provide full or abbreviated narrative reports, and electronic updates of assessment information in the Assessment Database (or a compatible system) in even numbered years.                |   | All water objectives    | Reports completed.   | Monitoring and Evaluation   |
| 28    | Provide STORET updates of water quality information or updated assessment information in the Assessment Database (or a compatible system) in odd numbered years.                           | Provide assistance in getting STORET operational in each State and/or linked to State databases.  | All water objectives    | Reports completed.   | Monitoring and Evaluation   |
| 29    | Initiate adoption of EPA e. coli criterion (by 2004).  |   | W1a;W2j,l,m             | Review plans to adopt with EPA, included in scoping and planning documents.  | Policies and Rules          |
| 30    | Initiate adoption of EPA mercury criterion by 2004.  |   | W1a                     | Review plans to adopt with EPA, included in scoping and planning documents.  | Policies and Rules          |
| 31    | Participate in Triennial review planning with USFWS.   | Schedule and facilitate meetings between States, USFWS, and EPA consistent with ESA MOA.  | All water objectives    | Review plans to adopt rule changes with USFWS at appropriate times during Triennial review.                                  | Rules and Policies          |
| 32    | By end of calendar year 2001, each state should develop a plan describing how adoption of nutrient criteria will be substantially completed by the state by the end of calendar year 2004. | Provide funding for State projects supporting nutrient criteria development up to amount provided by HQ on a competitive basis. Facilitate nutrient RTAG. | W1a-f;W2c-f;W4a         | Plans for adoptions will be communicated through Minnesota's continued participation in RTAG.                                | Program Specific Approaches |
| 33    | Plan next stage of integrated, statistically based stream monitoring. Reports completed for St. Croix and Upper/upper Mississippi.   | Continue to provide support (through ORD) to assist in selecting probability sites.   | All water objectives    | Reports submitted by 6/30/2003   | Monitoring and Evaluation   |
| 34    | Revise the PCA TMDL program in order to comply with the new federal TMDL regulations and update the CPP to comply with the new regulations as appropriate.                                 | Review revisions to the continuing planning process and WQM plans. Review the pending revised TMDL/ planning regulation.                                  | All water objectives    | Program updated  | Monitoring and Evaluation   |
| 35    | Provide effluent-based limits for water quality to EPA for permits within exterior boundaries of the tribal reservation when requested and if there adequate resources.                    | Issue, reissue, modify or terminate NPDES permits for point-source discharges within exterior boundaries of the tribal reservation."                      | All water objectives    | MPCA will provide interpretation of our rules to EPA for tribal permits.(added based on request from John Colletti from EPA) | Permitting                  |

| Row # | MPCA Activity   | EPA Activity  | Environmental Objective | Output Measure  | Function                  |
|-------|---|---|-------------------------|---|---------------------------|
| 36    | Regular facilities will reduce the permit backlog to 38% by December, 2002, 30% by June of 2003 and 28% by December 2003.   |   | W1a,b                   | Permits issued. Report on progress toward reduction of permit backlog through PIFT report which indicates number of permits that have been issued during the quarterly timeframe, number of permits expired, and projected number of permits to be issued during the year.<br>Target: Reissue 100 minor (regular) permits by Dec. 31, 2002. | Permitting                |
| 37    | Reduce permit backlog to 38% for major permits based on backlog reduction strategies for December 2002, 18% for December 2003 and 18% for December 2004.  | Review permits that MPCA and Region 5 determines are priority.  | All water objectives    | Report on progress toward reduction of permit backlog through PIFT report which indicates number of permits that have been issued during the quarterly timeframe, number of permits expired, and projected number of permits to be issued during the year. Reissue 25 major permits by Dec. 31, 2002.                                       | Permitting                |
| 38    | EPA and MPCA will continue to develop its storm water phase II program.   | EPA will assist MPCA in development of phase II program, including rulemaking, permit issuance and public outreach. EPA will facilitate inter-state workgroup calls to discuss program status and problems encountered. | All water objectives    | MPCA will provide periodic status updates on program activities.  | Permitting                |
| 39    | MPCA has adopted the Sewage Sludge Management Rule. MPCA will accept partial delegation of 503 regulations if grant funding is awarded. MPCA will help verify data that EPA pulls from PCS using Delta. | EPA will continue to administer 503 regulations until MPCA can accept delegation. EPA will retrieve data used for output measures using PCS.  | All water objectives    | Reporting as agreed to in grant potentially including: percent of POTWs beneficially reusing biosolids, amount of biosolids beneficially reused.  | Policies and Rules        |
| 40    | Request EPA assistance to monitor, assess or help remediate priority polluted waterways (e.g. Upper Miss.).   | EPA will provide site-specific analyses or technical support, as requested, in priority places and waterways.   | W1a-f;W2 a-p;W7         | Assistance requested from EPA.  | Policies and Rules        |
| 41    | <b>Goal W2: To protect, restore and maintain the chemical, physical, and biological integrity of the water in the Minnesota River Basin.</b>  |   |                         |   |                           |
| 42    | Complete integrated, statistically based stream monitoring for the Minnesota River Basin in 2003.   | Provide technical assistance on environmental indicators development.   | W2a-p                   | Completion at least one year of integrated, statistically based stream monitoring in the Minnesota River Basin by 2004.   | Monitoring and Evaluation |

| Row # | MPCA Activity  | EPA Activity  | Environmental Objective | Output Measure   | Function  |
|-------|--|---|-------------------------|--|---|
| 43    | Complete the Lower Minnesota River BOD TMDL  | Review, comment and buy-in.   | W2a-c                   | Load and waste load allocations as well as public participation process completed.   | Program Specific Approaches                     |
| 44    | Provide financial and technical assistance to watershed projects. Support decision-making at the local level that is consistent with the basin goals and objectives. | Provide technical assistance on planning issues.  | W2a-p                   | Follow strategy outlined in basin plan. Work with watershed projects to identify water quality problems and to develop solutions to fix them.            | Program Specific Approaches                     |
| 45    | Through basin planning, provide assistance and support for EPA's activities in restoration and enhancement of habitat.   | Provide technical assistance to the State and other agencies in such areas as wetlands training, field identification and implementation of other federal programs. | W2a-p                   | Assistance provided  | Program Specific Approaches                     |
| 46    | <b>Goal W3: To protect, restore and maintain the chemical, physical and biological integrity of the water in the Red River Basin.</b>                                |   |                         |  |   |
| 47    | Provide training, financial technical and planning assistance to local watershed managers.   | Provide technical assistance on planning issues.  | W3a-d                   | Participate in training opportunities; participation in local design teams and actual projects developed.  | Assistance monitoring, information and training |
| 48    | Establish framework for integrated flow-weighted stream monitoring.  | Provide Technical assistance on environmental indicators development.   | W3a-d                   | Number of watersheds assessed and analyzed; number of stream miles monitored; number of watersheds and local units of government trained and monitoring. | Assistance                                      |
| 49    | Complete second BID for the Red River Basin - 2004.  | Review, comment and buy-in.   | W3a-d                   | Identification of environmental objectives, outcome measures, shared goals, priorities and strategies. Publication electronically in January 2003.       | Program specific approaches.                    |
| 50    | Support operation of basin water quality management team as identified in the Red River Basin Management plan.   | Support, assist, and where appropriate, participate with the basin organization in plan implementation.   | W3a-d                   | Coordinate monthly meetings, publish newsletters of issues, implement the plan.  | Program specific approaches.                    |
| 51    | Develop strategies for buffering waterways in the Red River Basin and for addressing TMDLs in the Red River Basin.   | Support implementation of the Plan, coordination between Region 5 and Region 8 EPA on Red River Basin activities.   | W3a-d                   | Strategies and action plans developed by December 2002.  | Program Specific Approaches.                    |
| 52    | <b>Goal W4: To protect, restore and maintain the chemical, physical, and biological integrity of the water in the Lower Mississippi River Basin</b>                  |   |                         |  |   |

| Row # | MPCA Activity  | EPA Activity   | Environmental Objective | Output Measure  | Function                    |
|-------|--|--|-------------------------|---|-----------------------------|
| 53    | Organize effort to identify floodplain and upland areas where habitat restoration and enhancement could occur within the watershed of the Lower Mississippi River Basin. | Provide technical assistance to the State and other agencies in such areas as wetlands training, field identification and implementation of other federal agency programs. | W4a-f                   | Areas identified.   | Program Specific Approaches |
| 54    | <b>Goal W5: To protect, restore and maintain the chemical, physical and biological integrity of the water in the Lake Superior Basin.</b>                                |  |                         |   |                             |
| 55    | Provide training, financial technical and planning assistance to local watershed managers.   | Coordinate activities related to Coastal Environment Management.   | W5a                     | Number of watersheds assessed and analyzed.   | Assistance                  |
| 56    | Develop biocriteria for streams in the Lake Superior Basin by the year 2003.   | Provide technical assistance for bioassessments.   | W5a                     | IBI report for the Lake Superior Basin completed.   | Monitoring and Evaluation   |
| 57    | Participate in Chemical list review process for the Integrated Atmospheric deposition network.   | Coordinate biannual review and publish results on the Internet.  | W5a,A1d,e,f             | Review  | Monitoring and Evaluation   |
| 58    | Assist Great Lakes partners in identifying Biodiversity Investment Areas (BIAs) and build local support for more thorough Assessment and Protection of BIAs.             |  | W5a                     | BIA's identified  | Monitoring and Evaluation   |
| 59    | Remedial Action Plan (RAP) implementation.   | Provide financial and technical resources to progress toward sediment remediation in Duluth Harbor.  | W5a                     | Implementation funds disbursed (Coastal Environmental Management funds for St. Louis River RAP).  | Monitoring and Evaluation   |
| 60    | Participate in collaborative projects to address contaminated sediments and participate in review of risk analysis for beneficial use of dredged sediments.              | Help communities address contaminated sediments in their harbors. Possible funding assistance through competitive grants process and technical support as appropriate.     | W5a                     | Great Lakes water quality guidance completed. Sediment assessment and characterization at sites in three new Areas of Concern (AOCs).4 sediment cleanup demonstrations (out of 5 since 1996) will be completed. | Remediation                 |
| 61    | Pollution-prevention plans are placed in permits.  |  | W5a                     | Number of permits with pollution-prevention plans.  | Permitting                  |
| 62    | Implementing Great Lakes Water Quality Guidance.   |  | W5a                     | Guidance implemented into permits.  | Permitting                  |
| 63    | Development of a basin plan for Lake Superior by end of 2002.  |  | W5a                     | Identification of environmental objectives, outcome measures, shared goals, priorities, and strategies for Lake Superior Basin.   | Program Specific Approaches |

| Row # | MPCA Activity   | EPA Activity  | Environmental Objective | Output Measure   | Function                     |
|-------|---|---|-------------------------|--|------------------------------|
| 64    | Implement specific projects and other actions to reduce mercury and other binational strategy targeted substances.  | Promote pollution prevention through activities and projects such as the Great Lakes Binational Toxics Strategy (BNS). Coordinate reports on progress.              | W5a, M2a                | Initiation of 8-13 projects in the Great Lakes Basin to demonstrate reduction of persistent, bioaccumulative toxic chemicals. Complete BNS analytical process for each Level 1 chemical.   | Program Specific Approaches  |
| 65    | Participate in coordinated Great Lake Indicators monitoring and the State of the Lake Ecosystem Conference.   | Lead efforts to establish appropriate basin-wide environmental indicators.  | W5a                     | Indicators established.  | Program Specific Approaches  |
| 66    | Development of new beach program under Beaches and Environmental Assessment and Coastal Health Act of 2000.   | Develop program to reduce exposure and risk from bacterial contamination to recreational users of coastal waters.   | W5a                     | Development of new, multi-stakeholder program, designed to protect users of public beaches and coastal recreational waters.  | Program Specific Approaches  |
| 67    | <b>Goal W6: To protect, restore and maintain the chemical, physical, and biological integrity of the water in the Rainy River Basin.</b>                        |   |                         |  |                              |
| 68    | Basin information document for the Rainy River completed. Prepare Basin Management Plan by December, 2003.  | Review comment and buy-in of plan as it is being developed.   | W6a                     | Identification of environmental objectives, outcome measures, shared goals, priorities and strategies.   | Program Specific Approaches  |
| 69    | <b>Goal W7: To protect, restore and maintain the chemical, physical, and biological integrity of the water in the Upper Mississippi River Basin.</b>            |   |                         |  |                              |
| 70    | Complete Basin Man Plan 2002.   | Gain Public Support.  | W 7                     | Basin Plan completed.  | Program Specific Approaches. |
| 71    | Provide training, financial technical and planning assistance to local watershed/county/swcd managers and staff.  | Provide technical assistance on planning issues.  | W7                      | Participate in training opportunities; participation in local design teams and actual projects developed.  | Assistance                   |
| 72    | Implement the Upper Mississippi River Basin Monitoring Initiative as a framework for integrated flow-weighted stream monitoring and data/information retrieval. | Provide Technical assistance on environmental indicators development. Provide web-based data to residents and decision makers in the Upper Mississippi River Basin. | W7                      | A function web-based system by July 1, 2003 which including data collected under the program such as: the number of watersheds assessed and analyzed; number of stream miles monitored; number of watersheds and local units of government trained and monitoring, and number of local policy makers using the system. | Assistance                   |

| Row # | MPCA Activity  | EPA Activity  | Environmental Objective | Output Measure   | Function                          |
|-------|--|---|-------------------------|--|-----------------------------------|
| 73    | Complete the Upper Mississippi River Basin Plan and begin implementation in 2003.  | Review, comment and buy-in.   | W7                      | Identification of environmental objectives, outcome measures, shared goals, priorities and strategies. Publication electronically in January 2003. | Program specific approaches. Lead |
| 74    | Establish a continuing basin management organization for the Upper Mississippi River Basin.  | Support, assist, and where appropriate, participate with the basin organization in plan implementation.                         | W7                      | Establish organization   | Program specific approaches. Lead |
| 75    | Develop strategies for addressing TMDLs in the Upper Mississippi River Basin.  | Support implementation of the Plan, coordination between Region 5 and the MPCA on the Upper Mississippi River Basin activities. | W7                      | Strategies and action plans developed by December 2003.  | Program Specific Approaches. Lead |
| 76    | <b>Goal W8: To protect, restore and maintain the chemical, physical, and biological integrity of the water in the Des Moines, Missouri and St. Croix River Basins.</b> |   |                         |  |                                   |
| 77    | Provide training, financial technical and planning assistance to local watershed managers.   | Provide technical assistance on planning issues.  | W-8                     | Number of watersheds assessed and analyzed.  | Assistance                        |
| 78    | Develop basin information document for the St. Croix River Basin in 2004.  | Review comment and buy-in of plan as it is being developed.   | W-8                     | Level of BID Completion  | Program Specific Approaches       |
| 79    | Complete Basin Information Document for Des Moines River in 2004.  | Review comment and buy-in of plan as it is being developed.   | W-8                     | Basin Coordinator to be hired.   | Program Specific Approaches       |

## APPENDIX A

### Summary of Environmental Commitments

This section provides a summary of the overall goals, goals and objectives agreed upon by the MPCA and EPA Region 5. More detail about the environmental commitments and activities supporting these goals may be found in Part IV, Activity Matrices, beginning on page 41.

#### Mission of the MPCA

*“To help Minnesotans protect the environment.”*

#### The MPCA’s Vision for Minnesota’s Environment

The vision for the MPCA is very simple and is based on the enabling legislation that established the MPCA in 1967. The MPCA vision for Minnesota’s environment has four parts:

- Fishable and swimmable lakes and rivers;
- Clean and clear air;
- Uncontaminated groundwater and land; and
- Healthy ecosystems. (inherently integrated into the first 3 visions)

The MPCA has further refined these vision statements into goals and measurable objectives that we will move towards. They are as follows:

**Vision: Clean and Clear Air**

**Overall Air Goal:**

*Clean and Clear Air that Protects Human Health and the Environment.*

**Goal A1.** Minnesota’s outdoor air quality will meet or improve upon all environmental and human health-related federal and state air quality standards.

**Objectives:**

|     |  |
|-----|--|
| A1a | <p>Reduce risks to humans and the environment by continually meeting all federal and state air quality standards.</p> <p>Measures:</p> <ul style="list-style-type: none"> <li>a) Tons of criteria air pollutants emitted from all Minnesota sources (stationary, area and mobile)</li> <li>b) Emission reductions since 1990 for criteria pollutants</li> <li>c) Criteria pollutant levels in ambient air as a percent of health standards (long-term trends)</li> <li>d) Number of days per year when the Air Quality Index (AQI) exceeds 50 (moderate levels)</li> <li>e) Number of days when ambient air-quality standards for criteria air pollutants are exceeded (reported as number of days for each criteria pollutant)</li> </ul>   |
| A1b | <p>By 2010, reduce emissions of pollutants that contribute to fine particulate matter and ozone by 20 percent from 2000 levels.</p> <p>Measures:</p> <p>See A1a.</p> <ul style="list-style-type: none"> <li>a) Emission reductions since 1998 for criteria pollutants.</li> <li>b) Emission reductions since 1990 for criteria pollutants.</li> <li>c) Criteria pollutant levels in ambient air as a percent of health standards (long-term trends).</li> <li>d) Number of days per year when the AQI exceeds 50 (moderate levels).</li> <li>e) Number of days when ambient air-quality standards for criteria air pollutants are exceeded (reported as number of days for each criteria pollutant).</li> <li>f) Ambient PM<sub>2.5</sub> levels in selected communities.</li> </ul> |

**Goal A2.** Minnesota’s outdoor air quality will meet environmental and human health benchmarks for toxic air pollutants.

**Objectives:**

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| A2a | <p>By 2005, reduce mercury emissions from all Minnesota sources by 70 percent from 1990 levels in order to reduce air deposition to surface waters.</p> <p>Measures:</p> <ul style="list-style-type: none"> <li>a) amount of mercury emissions from all Minnesota sources.</li> </ul> |
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| A2b | <p>By 2010, reduce measured concentrations of air toxics to below health benchmarks. This will include toxics that have already been determined to exceed health benchmarks, (these include formaldehyde, benzene, chloroform, ethylene dibromide, and acrolein) and additional toxics that may be identified through future monitoring.</p> <p>Measures:</p> <ul style="list-style-type: none"> <li>a) Trends in emissions of toxic air pollutants.</li> <li>b) Ambient concentrations of selected hazardous air pollutants.</li> </ul> |
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**Goal A3.** Minnesotans’ quality of life will not suffer from reduced visibility (haze).

**Objectives:**

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| A3a | <p>By 2014, reduce visibility impairment in Voyageurs National Park and the Boundary Waters Canoe Area Wilderness by 20 percent. By 2008, in cooperation with other states, develop a regional haze state implementation plan.</p> <p>Measures:</p> <ul style="list-style-type: none"> <li>a) Percent of sources of PM<sub>2.5</sub> that meet requirements for Best Available Retrofit Technology.</li> <li>b) Vehicle miles traveled in the Twin Cities Metro Area.</li> <li>c) Visual range (in deciviews) measured in the BWCA and Voyageurs and Isle Royale National Parks.</li> </ul> |
|-----|---|

**Vision: Healthy, Productive Land**

**Overall Land Goal:**

*To protect and restore land to support desired uses.*

**Goal L1:** Strive to eliminate the use of harmful substances in manufacturing products or delivering services.

**Objectives:**

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| L1a | <p>Reduce the risks to humans and wildlife from Persistent, Bioaccumulative, and Toxic Chemicals (PBTs) by meeting the objectives of the Great Lakes bi-national agreement and percent reduction schedule for the specific toxic chemicals as follows:</p> <ul style="list-style-type: none"> <li>• Mercury – 60 percent by 2000; 80 percent by 2010; and 100 percent by 2020</li> </ul> |
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|     |  |
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|     | <ul style="list-style-type: none"> <li>• Polychlorinated Biphenyl's (PCB's) – 60 percent by 2005; 95 percent by 2010; and 100 percent by 2020 (Lake Superior LaMP only).</li> <li>• Dioxin/Hexachlorobenzene/Octachlorostyrene – 80 percent by 2005; 90 percent by 2015; and 100 percent by 2020</li> <li>• Pesticides – 100 percent – total elimination of bi-national listed pesticides. These substances have all been banned.</li> </ul> <p>Measures:</p> <ul style="list-style-type: none"> <li>a) Number and volumes of PCB transformers registered with EPA and used in Minnesota.</li> <li>b) Quantity of wastes containing PCBs listed on hazardous-waste manifests (excluding VSQGs), licenses, and special tracking mechanisms.</li> <li>c) Volume of wastes containing PCBs over 50 ppm shipped out of state for disposal as reported by state commercial storage facilities.</li> <li>d) Management methods and quantities of wastes containing RCRA-identified PBTs from manifests (excluding VSQGs), licenses, and special tracking mechanisms,.</li> </ul> |
| L1b | <p>Reduce mercury-containing wastes to assist in meeting a 70 percent reduction in mercury emissions by 2005 from 1990 levels.</p> <p>Measure: SEE A2a</p>   |
| L1c | <p>Reduce disposal of hazardous wastes from 2001 levels. By emphasizing reduction, reuse and recycling of waste.</p> <p>Measures:</p> <ul style="list-style-type: none"> <li>a) Quantity of hazardous wastes generated as indicated in hazardous-waste license applications and on manifests (excluding VSQGs).</li> <li>b) Compliance rates for licensed hazardous-waste generators (segregated by waste type and size of generator). CPM-E2</li> <li>c) Number of LQGs and TSDs submitting pollution-prevention progress reports per year.</li> <li>d) Numbers of generators in each size category in greater Minnesota.</li> <li>e) Number of pollution-prevention progress reports that demonstrate a reduction in waste generation.</li> <li>f) Amount of hazardous waste recycled by Minnesota generators.</li> </ul>  |

**Goal L2:** Prevent, minimize or reduce the release of contaminants to or from the land.

***Objectives:***

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|-----|--|
| L2a | <p>Restore RCRA generator sites and RCRA-permitted and interim-status Treatment, Storage And Disposal (TSD) facilities to pre-release conditions, if reasonable, practicable and feasible.</p> <p><b>Measures</b></p> <ul style="list-style-type: none"> <li>a) Number of RCRA-permitted and interim-status TSD facilities subject to RCRA corrective action.</li> <li>b) Number of RCRA-permitted and interim-status TSD facilities with active investigation or remediation.</li> <li>c) Number of generator release sites with active investigation or remediation.</li> <li>d) Number of TSD sites with RCRA facility assessment completed.</li> </ul> |
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|     |  |
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|     | <ul style="list-style-type: none"> <li>e) Number of TSD sites where remedy has been implemented.</li> <li>f) Number of generator sites where remedy has been implemented.</li> <li>g) Number of TSD sites where corrective action has been completed.</li> <li>h) Number of generator sites completed since 1991.</li> <li>i) Percent of GPRA corrective action sites where human exposure has been controlled.</li> <li>j) Percent of GPRA corrective action sites where release to groundwater has been controlled.</li> </ul> |
| L2b | <p>Reduce contamination in soil and ground water due to releases of hazardous waste at RCRA generator sites and RCRA-permitted and interim-status TSD facilities, to levels below those harmful to humans and the environment.</p> <p>Measures: See L2a.</p>   |
| L2c | <p>By 2005, control human exposure to releases of hazardous waste and hazardous constituents at 95 percent of all RCRA-permitted and interim-status TSD facilities identified as high-priority sites under the Government Performance and Results Act (GPRA).</p> <p>Measures: See L2a.</p>  |
| L2d | <p>By 2005, control the migration of ground water contaminated by the release of hazardous waste and hazardous constituents at 70 percent of all RCRA-permitted and interim-status TSD facilities identified as high-priority GPRA sites.</p> <p>Measures: See L2a.</p>  |

**Goal L3: Restore contaminated land to productive use.**

**Objectives:**

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|-----|---|
| L3b | <p>Reduce the environmental and human health impact from contaminated property being redeveloped that are provided assistance through the agency's voluntary cleanup programs.</p> <p>Measures:</p> <ul style="list-style-type: none"> <li>a) Number of sites entering the program.</li> <li>b) Number of sites where risk is reduced by controlling or reducing unacceptable exposure (of humans or ecological indicator species) to hazardous substances, pollutants or contaminants found in soil.</li> </ul>  |
| L3c | <p>By 2006, complete cleanup actions that address the environmental and human health impacts associated with 75 percent of the current (108 sites in 2001) state superfund sites.</p> <p>Measures:</p> <ul style="list-style-type: none"> <li>a) Acres of land identified as or suspected of posing risk to the environment.</li> <li>b) Acres of land identified or perceived as contaminated which represent a risk to humans health or a barrier to development.</li> <li>c) Number of sites or Operable Units listed on either the National Priorities List (NPL) or the Permanent Priorities List (PLP).</li> <li>d) Number of sites delisted for the NPL or the PLP.</li> </ul> |

**Vision: Clean, Usable Groundwater**

**Overall Groundwater Goal:**

**Protect and improve the quality and quantity of Minnesota’s groundwater.**

**Goal GW1.** Reduce the quantities and levels of contamination in groundwater.

**Objectives:**

|      |  |
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| GW1a | <p>By 2004, reduce the risk of human exposure to contaminated groundwater from feedlots, by identifying and promoting practices that target sources that contribute to groundwater contamination.</p> <p>Measures and Targets:</p> <ul style="list-style-type: none"> <li>a) Number of feedlots registered in Minnesota.<br/><i>Target:</i> 80 percent by 2002, 97 percent by 2004.</li> <li>b) Number of feedlots with 1000 animal units or greater in Minnesota under NPDES permit.<br/><i>Target:</i> 75 percent by 2002, 100 percent by 2003.</li> <li>c) Number and percentage of facilities found in compliance with feedlot rules during routine inspections.<br/><i>Target:</i> 50 percent by 2002, 85 percent by 2004.</li> <li>d) Number of feedlots with air-monitoring and odor-control plans.<br/><i>Target:</i> 75 percent by 2002, 100 percent by 2003.</li> <li>e) Number of facilities of less than 1000 animal units designated Confined Animal Feeding Operations (CAFOs).<br/><i>Target:</i> Zero facilities by 2004.</li> <li>f) Number and location of feedlots with known releases of manure to surface or ground waters.<br/><i>Target:</i> Zero facilities on streams and lakes in high- priority areas defined by compliance assurance plan by 2003.</li> <li>g) Number of citizen complaints concerning odor problems from feedlots.<br/><i>Target:</i> Reduce complaints to less than 40 per year and no repeat complaints from a single source by 2003.</li> <li>h) Number and magnitude of fish kills attributed to manure releases from feedlots.<br/><i>Target:</i> Reduce fish kills to less than 10 per year from all feedlots by 2003, zero for NPDES-permitted facilities by 2003.</li> <li>i) Number of lake acres or stream miles not meeting designated uses due to impacts from improper manure management or runoff from feedlots and manure storage. (Not reported in Self Assessment).</li> <li>j) Number of feedlots by type and size.<br/><i>Target:</i> List of feedlot type and size completed by 2003.</li> <li>k) Reduction in nitrogen and phosphorus in surface waters. ALSO SEE W2c,e,m &amp; W4a,c.</li> <li>l) Ratio of amount of manure used as fertilizer versus amount of commercial fertilizer used. (Not reported in Self Assessment.)</li> <li>m) Reduction in fecal coliform in surface waters. ALSO SEE W2j &amp; W4a.</li> <li>n) Verified use of Best Management Practices by feedlot owners/operators.<br/><i>Target:</i> Produce first data analysis by 2003.</li> </ul> |
| GW1b | <p>In 2005 and every 10 years thereafter, improve the public and legislature’s understanding of the quality of Minnesota’s groundwater by preparing a report on groundwater pollution and its impact on the environment.</p>   |

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|      | <p>Measures:</p> <ul style="list-style-type: none"> <li>a) Groundwater pollution report completed.</li> </ul>  |
| GW1c | <p>By 2006, reduce human exposure from contaminated groundwater to an acceptable level of risk at all currently known Superfund clean-up sites.</p> <p>Measures:</p> <p style="text-align: center;">See GW1a.</p>  |
| GW1d | <p>By 2008, reduce environmental impacts due to contaminated groundwater, by identifying and promoting practices that target sources which contribute to groundwater contamination. This includes UST activities.</p> <p>Measures:</p> <ul style="list-style-type: none"> <li>a) Number of spill incidents reported.</li> <li>b) Regional distribution of spill incidents reported.</li> <li>c) Number of spill incidents that receive MPCA oversight.</li> <li>d) Number of large petroleum-storage facilities.</li> <li>e) Number of large petroleum-storage facilities where contamination assessments have been done.</li> <li>f) Number of sites where identified environmental hazards are in cleanup or have been mitigated.</li> <li>g) Number of people trained at certification or recertification workshops.</li> <li>h) Number of inspections performed.</li> <li>i) Number of enforcement actions taken.</li> </ul> |
| GW1e | <p>Initiate the evaluation of human health and environmental risks due to petroleum releases from LUST sites and AST sites, as they are reported; complete a risk-based corrective action at the majority of releases within two years from the date of reporting; and reduce the number of open (active) sites to a maintenance workload.</p> <p>Measures:</p> <ul style="list-style-type: none"> <li>a) Number of confirmed releases from petroleum storage tanks.</li> <li>b) Number of sites closed.</li> <li>c) Number of LUST sites with risk based corrective actions completed.</li> </ul>   |

**Vision: Fishable and Swimmable Lakes and Rivers**

**Overall Surface Water Goal:**

*Maintain, restore or improve the quality of Minnesota surface waters.*

**Goal W1.** To protect Minnesota’s rivers, lakes, wetlands, and groundwater from discharges from point and nonpoint sources so they will meet their designated uses.

**Objectives:**

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| <p>W1a</p> | <p>By 2010, the MPCA can provide evidence to Minnesota’s citizens that their water quality is improving.</p> <p>Measures:</p> <ul style="list-style-type: none"> <li>a) The percent of assessed stream miles in the state that are swimmable and support aquatic life based on state water-quality standards and criteria (including IBI).<br/> <i>Current status:</i> 68% swimmable<br/>                     65% supporting aquatic life<br/> <i>Targets:</i> Increase assessed stream miles swimmable by 2010<br/>                     Increase percent supporting aquatic life by 2010<br/><br/> <i>Current status:</i> 44% of stream miles are fully supporting for aquatic life the Minnesota River and 71% for the Red River.<br/> <i>Target:</i> Increase percent of stream that are fully supporting for aquatic life.</li> <li>b) The percent of assessed lake acres that are swimmable based on trophic status.<br/> <i>Current status:</i> 65% swimmable<br/> <i>Target:</i> Increase assessed lake acres swimmable by 2010.</li> <li>c) The average mercury concentration in fish tissue in a consistent set of lakes, fish species and fish sizes.<br/> <i>Current status:</i> Average concentration is 0.35 ppm<br/> <i>Target:</i> Reduce concentrations by 2010.</li> <li>d) The state will develop criteria for assessing wetland acres that meet their aquatic-life designated use.</li> </ul> |
| <p>W1b</p> | <p>Restore impaired water bodies in Minnesota through the completion and implementation of Total Maximum Daily Load analyses, according to the program schedule established for Minnesota.</p> <p>Measures:</p> <ul style="list-style-type: none"> <li>a) Total Maximum Daily Loads program schedule<br/> <i>Target:</i> The TMDL development strategy for FY 2002 will be followed.</li> </ul>  |
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**Goal W2.** Protect, restore and maintain the chemical, physical and biological integrity of waters in the Minnesota River Basin.

**Objectives:**

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| <p>W2a</p> | <p>Maintain dissolved oxygen concentrations above 5.0 mg/l, as a daily minimum, in Class 2B, 2C waters (aquatic life and recreational waters, cool and warm-water fish; these are the majority of the waters in the basin).</p> <p>Measures:</p> <ul style="list-style-type: none"> <li>a) Dissolved oxygen in recreational and aquatic-life waters will be monitored at strategic</li> </ul> |
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|            | <p>monitoring sites at five-year intervals. Additional monitoring will be conducted during critical seasons and critical low stream-flow conditions. If indications of hypoxia occur, such as unexplained fish kills, additional monitoring will be conducted to assess the problem and direct solutions.</p> <p><i>Targets:</i> Maintain dissolved oxygen by establishing appropriate effluent limits for wastewater treatment facilities and other point sources, and by implementing nonpoint-source programs. For stream reaches threatened or not meeting dissolved oxygen requirements, identify for 303(d) list, schedule and complete TMDLs (see implementation schedule for specific reach impairments).</p>   |
| <p>W2b</p> | <p>Maintain a daily average dissolved oxygen concentration above 5.0 mg/l for the lower 25-mile reach of the Minnesota River. (Class 2C -- healthy communities of indigenous fish and associated aquatic life, and their habitats).</p> <p>Measures:</p> <ul style="list-style-type: none"> <li>a) TBOD<sub>5</sub>, chlorophyll-a, COD, TSS and CBOD</li> </ul> <p><i>Targets:</i> A TMDL-assigned 40-percent reduction in headwater summer BOD<sub>5</sub> concentrations will be achieved through decreased algal production and decay resulting from reductions in nutrient (phosphorus) load to the river. A Minnesota River TMDL will be completed using a computer model of the basin and a stakeholder involvement process to further allocate the 40-percent headwater reduction objective.</p>  |
| <p>W2c</p> | <p>Reduce phosphorus loads throughout the basin above Jordan to address the TMDL for low dissolved oxygen established for the 25-mile reach above Fort Snelling by 2010.</p> <p>Measures:</p> <ul style="list-style-type: none"> <li>a) Annual and running 10-year average annual phosphorus-load calculations from the monitoring site at Jordan.</li> <li>b) Point- and nonpoint-source load calculations and estimates based on available databases.</li> </ul> <p><i>Targets:</i> <u>Low-Flow Year:</u> Reduce annual phosphorus loading above Jordan by 200 tons (approximately 60 percent of the total load, 350 tons per year, observed in the low-flow years of 1988 and 1989) in a low-flow year.<br/>                 2005: 20% (reduction in annual load)<br/>                 2010: 40% load in a low-flow year<br/>                 Ultimate: 60% compared to 1988-1989</p> <p><u>High-Flow Year:</u> Reduce annual phosphorus loading above Jordan by 1,200 tons (approximately 40 percent of the total load, 2,900 tons, observed in the high-flow year of 1991) in a high-flow year.<br/>                 2005: 10% (reduction in annual load)<br/>                 2010: 25% load in a high-flow year<br/>                 Ultimate: 40% compared to 1991</p> <p><u>Long-term Average-Flow Year:</u> Reduce the 10-year average annual phosphorus loading above Jordan by 600 tons (approximately 40 percent of the long-term average load of 1,500 tons).<br/>                 2005: 10% (reduction in annual load)<br/>                 2010: 25% (10-year average annual load)<br/>                 Ultimate: 40% compared to the long-term average</p> |

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| <p>W2d</p> | <p>Establish nutrient criteria to meet beneficial use designations in tributaries and subwatersheds of the basin. Adopt stream-specific nutrient criteria for the Minnesota River and its major tributaries for use in identifying and clarifying through policy decisions when and how phosphorus is an important factor in the water quality of the river and streams.</p> <p>Measures:</p> <p>a) Number of major watersheds with individual stream-nutrient criteria developed and number with data compiled.</p> <p>Targets: 2005: Establish nutrient criteria for the rivers and streams of two major watersheds; data compilation in four major watersheds<br/>                 2010: Establish nutrient criteria for the rivers and streams of five major tributaries; data compilation in nine major watersheds.<br/>                 Ultimate: Establish nutrient criteria on all major tributaries and reaches of the Minnesota River</p> |
| <p>W2e</p> | <p>Reduce phosphorus loading to lakes throughout the basin by requiring the use of best available technology for point-source phosphorus control and promoting the implementation of various best management practices. These include upgrades of on-site sewage treatment systems, nutrient management on crop land, and erosion-control practices as described in the action strategies of this basin plan and in Minnesota’s Nonpoint-Source Management Program Plan.</p> <p>Measures: not yet developed.</p>  |
| <p>W2f</p> | <p>Continue to evaluate lakes for support of swimmable and aquatic-life uses in order to identify needs for protection or restoration.</p> <p>Measures:</p> <p>a) Number of additional lakes evaluated for use support (176 assessed as of 2000).</p> <p>Targets: 2005: 25 lakes evaluated<br/>                 2010: 50 lakes evaluated<br/>                 Ultimate: 100 lakes</p>   |
| <p>W2g</p> | <p>Reduce sediment loading from recent levels (average annual load for the period 1989-1992) to the Minnesota River and its tributaries by the target percentages:</p> <p>Measures:</p> <p>a) Annual sediment loading calculations from long-term monitoring sites.<br/>                 b) Annual sediment loading calculations from major watershed project monitoring sites.<br/>                 c) Sediment load estimates from turbidity TMDL study areas.<br/>                 d) Use of sediment load estimates from validated models.</p> <p>Targets: 2005: 10% reduction<br/>                 2010: 20% reduction<br/>                 Ultimate 40% reduction*<br/>                 *Note: May be changed based on future research.</p>   |
| <p>W2h</p> | <p>Determine the amount of sediment loading that needs to be reduced to ultimately attain the resource goals for the Minnesota River and the Lower Mississippi River, especially Lake Pepin.</p> <p>Measures:</p> <p>a) Completion of the modeling and assessment study. Referencing of goals with the Lower Mississippi River Basin Plan.</p>  |

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|     | <p>Target: Complete Minnesota River modeling and assessment by 2005. Link reduction goals with Lower Mississippi River Basin Plan goals and action strategies.</p>   |
| W2i | <p>Implement the Phase II Storm-Water NPDES Permit Program and work with cities and counties in developing their storm-water programs to reduce sediment loading from urbanized areas to the waters of the Minnesota River Basin.</p> <p>Measures:</p> <ul style="list-style-type: none"> <li>a) Number of general and individual community permits issued.</li> <li>b) Number of implementation plans completed.</li> </ul> <p>Targets: 2002: Develop list of cities subject to Phase II Storm Water Program<br/>                 2003: Phase II community applications due<br/>                 2008: Fully implement Phase II Storm-Water Program, as required by EPA</p> |
| W2j | <p>By October 31, 2002 achieve both parts of the standard for fecal coliform bacteria (Minnesota Rules Part 7050.0222). The standard is:</p> <p>Measures:</p> <ul style="list-style-type: none"> <li>a) Number of fecal coliform organisms per 100 milliliters. Monitoring locations and frequency will be determined. Initial sites will be in association with CWP's and TMDLs.</li> </ul> <p>Targets:</p> <p>200 organisms per 100 milliliters (geometric mean of five samples/month)<br/>                 or<br/>                 2,000 organisms per 100 milliliters in no more than 10 percent of the samples per calendar month.</p>                                  |
| W2k | <p>Develop TMDL studies to address use impairments caused by fecal coliform concentrations. (There are 20 stream reaches in the Minnesota River Basin on the 1998 303(d) list due to fecal coliform levels.)</p> <p>Measures:</p> <ul style="list-style-type: none"> <li>a) TMDL studies completed and accepted by EPA.</li> </ul> <p>Targets: 2005: Complete 9 plans<br/>                 2010: Complete 20 plans</p>   |
| W2l | <p>Decrease the number of incorporated communities that do not have adequate wastewater treatment (currently 34 in the Minnesota River Basin).</p> <p>Measures:</p> <ul style="list-style-type: none"> <li>a) Number of communities that <u>are not</u> on a schedule to implement adequate wastewater treatment (contingent on available funding), as recorded in the MPCA facilities database.</li> </ul> <p>Targets: 2005: 20 communities w/o adequate treatment<br/>                 2010: 10 communities w/o adequate treatment<br/>                 Ultimate: 0 communities w/o adequate treatment</p>   |
| W2m | <p>Reduce the rate of increase of nitrate-nitrogen levels.</p>   |

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|     | <p>Measures:</p> <p>a) Nitrate and nitrite-nitrogen concentrations at Minnesota Milestone Program sites on the Minnesota River and several of its tributaries. Samples will be collected monthly, 10 months per year in 2001, 2004, 2006, and 2009.</p> <p>Targets: 2005: Slow rate of increase in nitrate-nitrogen trend.<br/>2010: Reverse nitrate-nitrogen trend.</p>   |
| W2n | <p>Develop and verify appropriate tools for tracking the biological health of streams and rivers in the Minnesota River Basin.</p> <p>Measures:</p> <p>a) Identify fish and macroinvertebrate communities associated with “good” and “impacted” streams and rivers.</p> <p>Targets: 2002: Verify that each component (metric) in the IBI responds to human disturbance.<br/>2002: Establish an index to rate the quality of in-stream habitat (habitat index).<br/>2003: Establish a macroinvertebrate-based index.</p>                      |
| W2o | <p>Develop and implement a strategy for monitoring the biological health of waters in the Minnesota River Basin.</p> <p>Measures:</p> <p>a) Strategies developed to assess and track health of aquatic communities.</p> <p>Targets: 2002: Implement statistically based monitoring at basin scale.<br/>2005: Conduct focused surveys of specific streams in basin to identify problem areas.<br/>2005: Establish sites to evaluate effectiveness of various water-quality management activities.</p>   |
| W2p | <p>Assess status of aquatic communities based on new biological data and comparisons from previous biological assessments such as the Minnesota River Assessment Project (MRAP).</p> <p>Measures:</p> <p>a) Status and trends in health of aquatic communities.</p> <p>Targets: 2005: Compare to MRAP and other studies done prior to 2000.<br/>2005: Evaluate water-quality data from statistically based monitoring, focused stream studies, and effectiveness-monitoring activities.<br/>2010: Compare to studies done prior to 2010.</p> |

**Goal W3.** To protect, restore and maintain the chemical, physical and biological integrity of waters in the Red River Basin.

**Objectives:**

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| W3a | <p>Assess the 10 major watersheds for mass loads of nutrients and sediments by 2005.</p> <p>Measures:</p> <ul style="list-style-type: none"> <li>a) Number of impaired reaches in the Red River Basin.</li> <li>b) TMDL studies completed on 12 sites in the upper portion of the watershed by 2005.</li> <li>c) Index of biological integrity developed as a management tool by 2010.</li> <li>d) Annual load of phosphorus contribution from individual watershed 300 mg/liter or less.</li> <li>e) All major watersheds with monitoring and assessment in place by 2003.</li> </ul>  |
| W3b | <p>Lakes protected and improved through the management model developed by Becker COLA.</p> <p>Measures:</p> <ul style="list-style-type: none"> <li>a) Ag BMPs implemented in shoreland zones in Ottertail and Becker counties by 2005.</li> <li>b) Feedlot management plans and open lot certification in shoreland zones in Ottertail and Becker counties by 2005.</li> <li>c) Phase II stormwater management plans in place in Ottertail and Becker counties by 2005.</li> <li>d) All Lake associations participating in water quality monitoring by 2005.</li> </ul>   |
| W3c | <p>To help local units of government mitigate nonpoint source pollution and reduce stressors to aquatic systems at the watershed level.</p> <p>Measures:</p> <ul style="list-style-type: none"> <li>a) Wellhead protection plans in place for all eligible systems by 2007.</li> <li>b) Source Water Assessment Plans in place for cities of Fergus Falls, Moorhead, East Grand Forks and Thief River Falls by 2005.</li> <li>c) Number of unsewered communities and nonconforming individual sewage treatment systems reduced by one-third by 2005.</li> <li>d) Establishment of a CREP program in the Red River Basin and all watershed districts participating in conservation buffer programs.</li> </ul> |

**Goal W4.** To protect, restore and maintain the chemical, physical and biological integrity of waters in the Lower Mississippi River Basin and Cedar River Basin.

**Objectives:**

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| W4a | <p>Protect and improve water quality in streams.</p> <p><u>Indicator 1: Phosphorus</u><br/>                 For Vermillion, Straight, Cannon and Zumbro Rivers, reduce mean phosphorus concentrations to levels needed to restore downstream reservoirs (approximately 90 parts per billion for lakes Cannon, Byllesby and Zumbro), consistent with a restoration strategy for Lake Pepin (Cannon and Vermillion River).</p> <p><u>Indicator 2: Nitrogen</u><br/>                 Reverse the trend of increased ambient concentrations of nitrate-nitrogen in streams, and contribute to goals for nitrogen reduction that may be established for the Mississippi River to reduce the problem of hypoxia in the Gulf of Mexico (MPCA, Minnesota Milestone sites; USGS, Long-Term Resource Monitoring Program).</p> <p><u>Indicator 3: Total suspended solids/transparency</u></p> <ul style="list-style-type: none"> <li>a) For warm-water streams, maintain at least 10 inches of transparency (MPCA, Citizen Stream-Monitoring Program).</li> <li>b) For cold-water streams, attain greater depth of transparency to reduce the number of days</li> </ul> |
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|     | <p>during which turbidity exceeds 10 NTUs (the state standard for this class of waters).</p> <ul style="list-style-type: none"> <li>c) Reduce sediment load to the Mississippi River from tributaries (USGS, Long-Term Resource Monitoring Program; MPCA; Met Council).</li> <li>d) Develop a regional TMDL for turbidity impairments in the basin by October 2003.</li> </ul> <p><u>Indicator 4: Fecal coliform bacteria</u></p> <ul style="list-style-type: none"> <li>a) Meet state water-quality standard in streams. (MPCA/USGS)</li> <li>b) Achieve a 50 percent reduction in major bacteria sources (livestock manure and individual sewage treatment systems)</li> <li>c) Develop TMDL studies on 19 individual impaired reaches by October 2002.</li> </ul> <p><u>Indicator 5: Ammonia</u></p> <ul style="list-style-type: none"> <li>a) Maintain stream concentrations below the state water-quality standard of 40 parts per billion un-ionized ammonia (MPCA, Minnesota Milestone sites).</li> </ul> <p><u>Indicator 6: Biochemical oxygen demand</u></p> <ul style="list-style-type: none"> <li>a) Set and enforce point-source limits and manage nonpoint -source loads to keep dissolved oxygen levels above the minimum standard of 5 parts per million. (MPCA, Minnesota Milestone sites)</li> </ul>   |
| W4b | <p>Protect and improve water quality in lakes.</p> <p><u>Indicator 1: Secchi transparency in lakes</u></p> <ul style="list-style-type: none"> <li>a) Maintain or improve existing Secchi transparency levels for all lakes. (MPCA, Clean Water Partnership/Lake Assessment Program/Citizen Lake-Monitoring Program)</li> </ul>  |
| W4c | <p>Manage land to support water-quality (and ecosystem) objectives.</p> <p><u>Indicator 1: Wellhead Protection Areas</u></p> <ul style="list-style-type: none"> <li>a) Achieve land use compatible with management strategies identified in local wellhead protection plans. (MDH)</li> </ul> <p><u>Indicator 2: Perennial Vegetation</u></p> <ul style="list-style-type: none"> <li>a) Land in hay, pasture and woods and meadow is maintained/increased. Area in pasture and noncultivated crop production is restored to 1982 levels (630,000 acres) from current estimates (448,000 acres). (NRCS, Natural Resources Inventory)</li> <li>b) Increase stream miles of riparian buffers at least 50 feet wide on protected waters using native vegetation. (DNR, NRCS)</li> </ul> <p><u>Indicator 3: Floodplain Management</u></p> <ul style="list-style-type: none"> <li>a) Maintain or increase miles of river where the flood plain is connected to the main channel during higher-flow periods. (DNR, NRCS)</li> <li>b) Minimize building, filling and creation of impervious surface areas to enhance and protect the natural function of flood plains as part of the river system for tributaries to the Mississippi River. (Multi-agency)</li> </ul> <p><u>Indicator 4: Row-Crop Land</u></p> <ul style="list-style-type: none"> <li>a) On highly erodible land, soil loss is brought to or below the tolerable (replacement) level ("T") by 2010. (NRCS: NRI 2002 and 2007 reports)</li> <li>b) Increase the percentage of row-crop land with a rotation average of at least 30 percent crop-residue cover, after planting. (BWSR, NRCS: Crop residue transect survey)</li> <li>c) Increase the percentage of surface-tile intakes and drainage ditches that are buffered to minimize losses of sediment and other contaminants to nearby water bodies.</li> </ul> <p><u>Indicator 5: Farm/Urban Nutrient Management: Increase the efficiency of nutrient and</u></p> |

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|     | <p><u>pesticide management (Minnesota Dept. of Agriculture)</u></p> <ul style="list-style-type: none"> <li>a) Commercial phosphate fertilizer is applied at University of Minnesota-recommended rates in a manner that minimizes surface runoff.</li> <li>b) Phosphate-free fertilizer is used on lawns, golf courses, parks, etc.</li> <li>c) Commercial nitrogen fertilizer is applied at University of Minnesota-recommended rates, taking account of crop needs and all sources (manure, previous legume crop, etc.).</li> <li>d) Fall application of nitrogen fertilizer in the karst region is reduced and ultimately eliminated, as called for in state recommendations for nitrogen management.</li> <li>e) The use of Integrated Pest Management is increased.</li> </ul> <p><u>Indicator 6: Urban and Residential Land</u></p> <ul style="list-style-type: none"> <li>a) Surface runoff (residential, commercial, industrial) is offset/reduced. (MPCA)</li> <li>b) The percentage of the population served with adequate wastewater treatment is increased, including populations served by: <ul style="list-style-type: none"> <li>· Properly functioning septic systems. (counties)</li> <li>· Phosphorus removal from wastewater treatment facilities upstream of affected waters (include Lakes Zumbro, Byllesby and Pepin). (MPCA)</li> </ul> </li> <li>c) Compact development is achieved where feasible and consistent with local and tribal planning, to minimize both loss of farmland and natural areas, and the extent of land areas covered by 10 percent or more impervious surface.</li> </ul> <p><u>Indicator 7: Animal Feedlots</u></p> <ul style="list-style-type: none"> <li>a) Feedlots are permitted or registered to achieve compliance with feedlot rules by 2009 through feedlot runoff controls, manure storage, manure/nutrient management, rotational grazing and other practices. (MPCA, delegated counties).</li> </ul> <p><u>Indicator 8: Wetland Restoration/Protection</u></p> <ul style="list-style-type: none"> <li>a) Acres of high-quality wetlands are increased. (BWSR)</li> <li>b) Acres of land managed to protect and enhance wetland functions providing a wide range of ecological benefits are increased. (BWSR)</li> </ul> <p><u>Indicator 9: Mining (DNR, MPCA, counties)</u></p> <ul style="list-style-type: none"> <li>a) Quarries and aggregate sites are inventoried.</li> <li>b) Storm-water and process-water discharges are treated to remove pollutants.</li> <li>c) Abandoned mines are reclaimed.</li> </ul> |
| W4d | <p>Keep stream and spring flows within historic ranges.</p> <p><u>Indicator 1: Trends in stream and spring flow. (DNR, USGS)</u></p> <ul style="list-style-type: none"> <li>a) Minnesotans will restore and maintain healthy ecosystems that support diverse plants and wildlife.</li> </ul>   |
| W4e | <p>Ensure that aquatic environments have conditions suitable for the maintenance of healthy, self-sustaining communities of plants and animals.</p> <p><u>Indicator 1: Maintain mussel species diversity. (DNR)</u></p> <p><u>Indicator 2: Establish baseline Index of Biotic Integrity for benthic macroinvertebrates. (MPCA)</u></p> <p><u>Indicator 3: Maintain frog and toad populations; reduce the incidence of deformities. (DNR, MPCA)</u></p> <p><u>Indicator 4: Fish populations</u></p> <ul style="list-style-type: none"> <li>a) Cold-water streams: Introduce/maintain brook trout (in streams with historic</li> </ul>   |

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|     | <p>populations). (DNR)</p> <p>b) Warm-water streams: Maintain/increase smallmouth bass populations. (DNR)</p> <p>c) Mississippi River: Maintain/increase walleye populations. (DNR)</p>   |
| W4f | <p>Mississippi River: Reduce sedimentation and slow the aging of navigation pools, maximizing biodiversity in backwaters while meeting reasonable transportation needs.</p> <p><u>Indicator 1: Sediment loads from Mississippi River tributaries are reduced.</u> (USGS, Met Council, MPCA)</p> |

**Goal W5.** To protect, restore and maintain the chemical, physical and biological integrity of waters in the Lake Superior Basin.

**Status of Basin Plan**

Basin Management Plan: to be completed 2003.

**Objectives:**

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| W5a | <p>Protect rivers, lakes, ground water, and wetlands in the basin from the effects of excess bacteria, nutrients, toxic pollutants, and sediment.</p> <p>Measures</p> <ul style="list-style-type: none"> <li>a) Concentrations of mercury, PCBs, banned pesticides, dioxin, HCB, OCS, chlordane, dieldrin, toxaphene, DDT, and metabolites in the basin’s environment based on biosolids and effluents from wastewater treatment facilities</li> <li>b) Amount of pesticides collected</li> <li>c) Amount of mercury collected</li> <li>d) Amount of PCBs retired</li> <li>e) Progress of burn-barrel reduction efforts.</li> <li>f) Basin Plan, Coastal Nonpoint Pollution Control Program document, and the update of Stage 3 of the LaMP are completed and distributed on schedule.</li> <li>g) The extent to which completed plans are implemented in accordance with the plans.</li> <li>h) Planning, implementation, and outreach/education tools are produced, distributed and maintained. Tools for use and distribution include: <ul style="list-style-type: none"> <li>· web sites for the three planning efforts</li> <li>· a quarterly bulletin for the three efforts</li> <li>· a project list which identifies priority implementation projects for the basin</li> <li>· a funding list proactively defining the sources of available funding for matching identified projects</li> <li>· GIS products accompanying the basin and coastal program planning efforts</li> <li>· An activities list that tracks implementation activities for the three plans produced for the basin.</li> </ul> </li> <li>i) Number of completed watershed assessments and implementation plans, including Clean Water Partnership Phase I diagnostic projects and TMDLs.</li> <li>j) Number of completed protection and restoration projects (319, CWP, others) in the basin.</li> </ul> |
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**Goal W6.** To protect, restore and maintain the chemical, physical and biological integrity of waters in the Rainy River Basin.

**Status of Basin Plan**

Basin Information Document: Completed 2001

Basin Plan: to be completed 2003

**Objectives:**

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| W6a | <p>Protect rivers, lakes, ground water, and wetlands in the basin from the effects of excess bacteria, nutrients, toxic pollutants, and sediment.</p> <p>Measures</p> <p>a) The percent of assessed stream miles in the basin that are swimmable and support aquatic life based on state water-quality standards and criteria (including IBI).<br/> Current status: 100 % swimmable<br/> 88.6 % supporting aquatic life<br/> Targets: 100 % swimmable by 2013<br/> 100% supporting aquatic life by 2013</p> <p>b) The percent of assessed lake acres in the basin that are swimmable based on trophic status.<br/> Current status: 98.4% swimmable<br/> Targets: at least 100% swimmable by 2013<br/> IBI development scheduled to begin in 2007.</p> <p>c) The Basin Information Document and the Basin Plan are completed and distributed on schedule by end of 2003.</p> <p>d) The extent to which the Basin Plan, once complete, is implemented in accordance with the plan.</p> <p>e) Planning, implementation, and outreach/education tools are produced, distributed and maintained for the basin. Tools for use and distribution include:</p> <ul style="list-style-type: none"> <li>· web site for basin efforts</li> <li>· a quarterly bulletin for basin efforts</li> <li>· a project list which identifies priority implementation projects for the basin</li> <li>· a funding list proactively defining the sources of available funding for matching identified projects</li> <li>· GIS products accompanying basin planning and implementation efforts</li> <li>· an activities list that tracks implementation activities for the basin.</li> </ul> <p>f) Number of completed watershed assessments and implementation plans, including Clean Water Partnership Phase I diagnostic projects and TMDLs.<br/> Current status: No CWP Phase ones completed<br/> Target: at least 2 completed TMDLs by 2009</p> <p>g) Number of completed protection and restoration projects (319, CWP, others) in the basin.</p> |
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**W7. Upper Mississippi River Basin.** To protect, restore and maintain the chemical, physical and biological integrity of waters in the Upper Mississippi River Basin.

Basin Information Document: Completed 2000

Basin Management Plan: July 1, 2002 target.

**W8. Des Moines, Missouri and St. Croix River Basins.** To protect, restore and maintain the chemical, physical and biological integrity of waters in the basins of the Des Moines, Missouri and St. Croix Rivers.

**Schedule for Completing Basin Management Documents**

Des Moines River Basin: Basin Information Document: 2004 target

St. Croix River Basin: Basin Information Document: 2004 target

Missouri River Basin: Basin Information Document to be Completed After Des Moines River Basin Information Document.

Rainy River Basin: Basin Management Plan 2003.

Upper Mississippi River Basin: Basin Management Plan 2003.

Lower Mississippi/Cedar River: Basin Information Document 2006.

Lake Superior Basin: Basin Information Document 2002.

Minnesota River Basin: Basin Information Document 2006.

Red River Basin: Basin Information Document 2004.

Shared Environmental Goals - USEPA and the six States have worked closely to develop a set of five shared environmental goals to enhance our joint efforts to protect and restore our valuable water resources and to measure our accomplishments. The enumeration of measurable goals is a significant step in collectively defining our long-term vision for clean and safe water. The goals will be used to more comprehensively report on the progress in, and status of, improving water quality in the Great Lakes Region. The five agreed upon Shared Goals are:

Goal 1: All waters in Region 5 will support healthy aquatic biological communities.

Goal 2: All waters in Region 5 will support fish populations with safe levels of contaminants.

Goal 3: Designated swimming waters in Region 5 will be swimmable.

Goal 4: All people in Region 5 served by public water supplies will have water that is consistently safe to drink.

Goal 5: The quantity and quality of critical aquatic habitat in Region 5, including wetlands, will be maintained or improved.

These goals will assist EPA and Minnesota in joint priority setting and planning to more effectively target our programmatic work."

## MPCA Values

In order to accomplish the environmental goals, we need to honor the values designed to support the agency's mission, vision, strategies, and goals. The values are as follows:

### Environmental Focus

- We focus on environmental outcomes rather than process. "It is about the environment."

### Learning

- We learn from others and support each other in failure and success.
- We are creative, innovative, share knowledge in our development of new ideas and approaches.
- We simplify our products and procedures to reduce complexity.

### People

- We value each other as individuals and co-workers and welcome all contributions to the effort.
- We value peoples' commitments outside of work — hobbies, interests, families, community work, etc.
- We each strive and encourage each other to become the best we can be personally and professionally.
- We are responsible people who model behaviors that build trust and resolve conflict.
- We value humor and the role that it plays in a positive work environment.

### Stakeholder focus

- We seek input and feedback from multiple perspectives, internal and external, in order to identify, prevent and solve environmental problems.
- We are responsive to stakeholders and continually strive to quicken the pace of our responses while maintaining their quality.
- We treat all stakeholders equitably.

### Holistic view

- We understand issues in context before developing solutions. For example, Minnesota's environmental health needs to be examined in concert with that of its social and economic well being. Likewise, we need to examine the state's air, water and land issues together as a system.
- We share knowledge and use data to educate the public and drive planning, priority setting, and decision making internally and with our partners.

### Communication

- We communicate honestly, clearly and respectfully.
- We listen carefully and with an open mind.

**APPENDIX B**

**Program Activity Matrices**

## APPENDIX C

### **Federal Funding Sources to MPCA and their Relationship to the EnPPA**

The FY2003-2004 federal performance partnership grant to MPCA includes the following programs for which this agreement serves as the program commitment (e.g., work plan):

1. Water Pollution Control (CWA Sec. 106) - Surface and Ground Water
2. Air Pollution Control (CAA Sec. 105)
3. Hazardous Waste Management (RCRA -Solid Waste Disposal Act Sec. 3011(a))
4. Underground Storage Tanks (Solid Waste Disposal Act Sec. 1007 (f)(2))
5. Toxics Compliance & Monitoring (TSCA Sec. 28)
6. LADCO (CAA Sec. 105) pass through. (See Appendix LADCO GRANT)

#### **Project-Specific Work Grants**

For the following federal grants to MPCA, this agreement provides an overall strategic framework that works in concert with the requisite project-specific work plans:

1. Great Lakes
2. One-Stop Reporting

#### **Categorical Grants**

For the following categorical grants to MPCA, the grant application/work plan will serve as the work plan. The reporting of progress made on the grants will be done through the grant managers and grant process rather than the Self Assessment.

1. Water-Quality Cooperative Agreements (CWA Sec. 104(b)(3)) -- Watershed
2. Wetlands Protection: Development Grants (CWA Sec. 104(b)(3))
3. Pollution Prevention Incentives for States (Sec. 6605)
4. Training & Fellowships for the Environmental Protection Agency (CWA Sec.104(g)(1))
5. Water Pollution Control -- Research, Development & Demonstration (CWA Sec. 104(b)(3))
6. 104(b)(3)
7. Superfund State Sites: Specific Cooperative Agreements (CERCLA)
8. State MOA Program for the Reimbursement of Technical Services (DSMOA)
9. Leaking Underground Storage Tank Trust Fund Program
10. Superfund State Core Program Cooperative Agreements (CERCLA)
11. National Pollutant Discharge Elimination System-Related State Program Grants

For the following grants, the EnPPA will serve as a collection of activities to be done that relate to a specific grant. Reporting of EnPPA activities will occur in the Self Assessment which may include referencing to specific grant-reporting documents.

1. Nonpoint Source Implementation Grants (CWA Sec. 319) – projects and administration. The projects portion is subject to the MPCA/EPA review process described in this EnPPA.
2. Water-Quality Management Planning (CWA Sec. 205(j)/604(b).

## APPENDIX D

### **IBM Rochester Innovative Permit**

In November 2000, MPCA submitted a project proposal to EPA under the Joint EPA/State Agreement to Pursue Regulatory Innovation to take an experimental step towards exchanging current governmental oversight for internal-to-the-company, third-party audit, and stakeholder oversight, with MPCA in a greatly reduced monitoring role. The purpose of the project is to come up with real regulatory incentives which would get more companies into Environmental Management Systems (EMS) and good performance criteria, while giving MPCA another way to disinvest resources from companies whose performance and impact no longer merit full use of conventional regulatory tools.

The project has produced a flexible air permit for IBM Rochester as the vehicle for the experiment, designed to ensure compliance, performance, enforceability, fee payments, decision points for continuation, and exits. The permit contains facility-wide caps between state and federal limits; offers operational flexibility under those caps so that major permit amendments would not be required; retains current State Implementation Plan (SIP) requirements for SO<sub>2</sub>; offers reduced recordkeeping (rolling-sum calculations) for all air pollutants other than SO<sub>2</sub> and NO<sub>x</sub> as long as actual emissions remain below specified limits (typically 50% of state limits).

A combination of annual air emissions data, third-party EMS auditing enhanced with random sample verification of IBM's air emissions data-generation process, and a public web site for impacts and EMS audit findings will substitute for routine MPCA inspections. MPCA, however, will inspect on cause.

EPA approved the permit in April 2002, public comment period concluded in May 2002, and MPCA's final steps to issue the permit were completed in October 2002. Included in the permit project is an experimental approach that began in June 2002 with MPCA's participation in IBM Rochester's regularly-scheduled third-party EMS audit. Project benchmarking elements were integrated into the June audit, allowing MPCA to establish a well-defined experiment.

#### October 1, 2002 - September 30, 2004

During the period of the EnPPA, MPCA will conduct the rest of the experimental project. The next-scheduled third-party EMS audit will occur near the end of 2003. As a follow-up, analytical audit, the timing of the 2003 audit is optimal. Having monitored progress throughout 2002 and 2003, MPCA will participate in the 2003 third-party EMS audit to measure progress against project benchmarks related to compliance, EMS conformance, environmental performance, and resource savings. Following the 2003 audit, MPCA would have 6 months to produce findings and discuss them with EPA and other stakeholders.

Depending on the findings, MPCA could discontinue or continue with the unexpiring permit relationship with IBM.

Also during the EnPPA period, MPCA could move to extend the permit and oversight options to wider groups of regulated facilities through other individual permits, policy, or rule. One way is to offer another permit option (with EMS required) within Minnesota's established registration permit rule. This would be available to some 50-60 companies with Part 70 permits with limits between 50-100 tons per year. Also affected would be non-major permit amendments formerly submitted by that group for process or control equipment changes.

## APPENDIX E

### Core Performance Measures

The Core Performance Measures are a set of environmental and programmatic measures, developed jointly by the EPA and ECOS, for use in EnPPAs. The goal of CPMs is to have a uniform suite of environmental and programmatic measures of progress for all states participating in the NEPPS program. The measures consist of environmentally based core measures, programmatic reporting requirements, and accountability measures. The MPCA intends to report on all applicable and appropriate Core Performance Measures in the Self Assessment.

In March of 1999, ECOS approved the current CPMs, available via the web at [www.sso.org/ecos/projects/cpms/cpm.html](http://www.sso.org/ecos/projects/cpms/cpm.html). Approval by ECOS included a statement that ECOS approval does not bind a particular state to adopt in whole or in part the CPMs. States are expressly given the opportunity to modify, substitute, or eliminate CPMs through negotiation if particular measures are found not to apply or are not feasible for the state. The MPCA is to report on all CPMs except those that are not applicable to the MPCA.. Those measures applicable to the MPCA are listed in this Appendix.

*Core Performance Measures – Applicable to MPCA*

**Air and Radiation Programs: (A#)**

1. Trends in ambient air quality for each of the criteria pollutants (NAAQS).
2. Emission reductions since 1990 for each of the criteria pollutants (NAAQS).
3. Number of nonattainment areas (and their associated populations) that reach attainment for each of the criteria pollutants (NAAQS), including the number of ozone nonattainment areas that meet the 1-hour ozone standard.
4. Redesignation of areas attaining the current NAAQS, revocations of the 1-hour ozone NAAQS for areas attaining it, and designations of areas for the new ozone and revised PM2.5 NAAQS.
5. Trends in emissions of toxic air pollutants as reflected in EPA's National Toxics Inventory.
6. Reduction in air toxic emissions from 1990 levels.
7. State collection and compilation of ambient and emission source data for toxics to better understand the nature and extent of the air toxics problem.
8. Estimated increase in the number of people experiencing healthier indoor air in residences and schools.
9. Number of homes with elevated radon levels that are fixed.
10. Number of homes tested for radon.

Associated Reporting Requirements (Aarr):

- Air quality and emissions data such as that currently reported to AIRS/AFS.
- Number of operating and major NSR permits issued.
- Number of PM2.5 ambient monitoring sites deployed.
- Percentage of promulgated MACT standards for major sources implemented.
- Number of continuous emissions monitoring audits completed.

**Water Programs: (W#)**

1. Number of: a) community drinking water systems and percent of population served by community water systems, and b) non-transient, non-community drinking water systems, and percent of population served by such systems, with no violations during the year of any federally enforceable health-based standard.
2. Estimated number of community water systems (and estimated percent of population served) implementing a multiple barrier approach to prevent drinking water contamination.
3. Percent of river miles and lake acres that have been assessed for the need for fish consumption advisories; and compilation of State-issued fish consumption advisory methodologies, as reported through the National Listing of Fish and Wildlife Advisories.
4. Number and percent of assessed river miles, lake acres, and estuary square miles that have water quality supporting designated beneficial uses, including, where applicable, for: a) fish and shellfish consumption; b) recreation; c) aquatic life support; d) drinking water supply. (The reporting period is two years.)
5. Number and percent of impaired, assessed river miles, lake acres, and estuary square miles that a) are covered under Watershed Restoration Action Strategies, and b) were

restored to their designated uses during the reporting period. (The reporting period is two years.)

6. The TMDL status for each State, including: a) the number of TMDLs identified on the 1998 303(d) list that the State and EPA have committed to produce in the two year cycle; b) the number of TMDLs submitted by the State to EPA; c) the number of State-established TMDLs approved by EPA; and d) the number of EPA-established TMDLs. (This cumulative measure would be jointly reported by EPA and the State.)
7. Percent of POTWs that are beneficially reusing all or a part of their biosolids and, where data exists, the percent of biosolids generated that are beneficially reused.
8. Number and percent of facilities that have a discharge requiring an individual permit: a) that are covered by a current individual NPDES permit; b) that have expired individual permits; c) that have applied for but not been issued an individual permit, and d) that have individual permits under administrative or judicial appeal.
9. Number of storm water sources associated with industrial activity, number of construction sites over five acres, and number of designated storm water sources (including Municipal Phase I) that are covered by a current individual or general NPDES permit.
10. Number of permittees (among the approximately 900 CSO communities nationwide) that are covered by NPDES permits or other enforceable mechanisms consistent with the 1994 CSO policy.
11. Number and percent of approved pretreatment programs audited in the reporting year. Of those, the number of audits finding significant shortcomings and the number of local programs upgraded to achieve compliance.
12. EPA will report to Congress on the pace of the Clean Water State Revolving Fund (CWSRF) Program. (EPA and States are working to develop an outcome measure for the CWSRF.)
13. Number of EPA approvals of State submitted upgraded Nonpoint Source Programs (incorporating the nine key elements outlined in the national Nonpoint Source Program and Grants Guidance for FY 1997 and Future Years jointly transmitted by EPA and ASWIPCA)

**Waste Management, Underground Storage Tank, and Remediation Programs: (U#)**

1. Percent of hazardous waste managed at Treatment, Storage, and Disposal Facilities (TSDFs) with approved controls in place.
2. Percent of Underground Storage Tanks (USTs) meeting requirements.
3. Resource Conservation and Recovery Act (RCRA) Corrective Action sites (area) cleaned up.
4. National Priority List (NPL) sites (area) cleaned up.
5. Leaking Underground Storage Tank (LUST)/UST cleanup site status. This includes MPCA providing the STARS Semi-Annual Activities Report numbers to the Region 5.
6. Groundwater releases controlled.
7. Human exposures controlled.

**Enforcement and Compliance Core Performance Measures: (E#)**

1. Pilot Measure: Environmental and/or public health benefits achieved through concluded enforcement activities.

2. Rates of significant noncompliance for regulated parties.
3. Percentage of significant non-compliers (SNCs) that have been returned to compliance or otherwise addressed
4. Pilot Measure: Results of using State alternative compliance approaches (e.g. audit laws or policies, small business compliance policies, XL projects) and compliance assistance.
5. Total number of inspections conducted at major facilities, and the percent of total universe of regulated sources inspected in negotiated priority areas (e.g. industry sectors, geographic areas).
6. Enforcement actions (e.g. case referrals, orders, notices) taken, by media.
7. Pilot Measure: Number of facilities/entities reached through each type of compliance assistance activity.

## APPENDIX F

### Administrative Activities

MPCA administrative activities are listed here to give the reader a better sense of the breadth of activities that are occurring. Although MPCA will continue to perform these administrative activities, the reporting of them is expected to diminish as MPCA focuses on environmental priorities. This is not a complete listing of all the administrative activities performed by MPCA.

#### **Air**

- Staff receive training from the Air Pollution Training Institute as well as training on team-building and effective meetings.
- Staff receive training from the Air Pollution Training Institute and training on effective meetings.

#### **Water**

- Complete work to have water-quality portion of MPCA computer system (DELTA) up and running.
- Use “Clean Water On-line” as appropriate.

#### **Land**

- LUST grant administration (MPCA will continue to submit core performance indicators, dated August 14th ,1996).
- Attend annual and mid-year all-states meetings for the UST program.
- Manage Superfund program staff to meet organization and programmatic goals.
- Prepare monthly management reports summarizing site enforcement issues, hot topics, and progress in meeting strategic indicators.
- Direct staff work groups and participate in implementing improved state Superfund policy and guidance related to federal and state Superfund programs. Participate in policy development discussions.
- Maintain awareness of CERCLIS and WasteLAN (an EPA database) regarding their capabilities and potential for state interface and access.
- Coordinate the development of and approve state Superfund expense budgets prior to entry into the Minnesota Accounting Procurement System.
- Provide training for Superfund staff on community relations issues.
- Coordinate and assist in the overall implementation of Superfund community relations activities.
- Provide outreach by preparing speeches and materials to communicate the Superfund program’s accomplishments and future plans for improving the program. Assist in production of the annual Superfund Report.
- Grant administration for the Leaking Underground Storage Tank program.
- Reimburse eligible closed landfills for past cleanup expenses. By 2002, complete reimbursements for state Superfund and EPA past costs for cleanup at qualified facilities.

## **General**

- Maintain compliance data system and DELTA compliance information.
- Provide necessary assistance for closing out grants.
- Continue nontraditional uses of State Revolving Fund.
- Coordinate and conduct quarterly contractor evaluations, authorized agents meeting, and random audits of invoices to ensure contract compliance.
- Ensure compliance with requirements for disadvantaged business enterprises by implementing requirements in all procurements and reporting status.
- Maintain a computerized cost-documentation system and procedures to ensure accurate and timely reports of expenditures.
- Implement recommended pollution prevention in order to avoid cross-media transfers and releases to the environment.
- Direct the implementation of the Enforcement Deferral Pilot Project for sole-state lead at 11 federal enforcement sites.
- Monitor and ensure state progress in meeting milestones, providing timely deliverables and compliance with assurance/special conditions in all cooperative agreements.
- Administrative project close-out activities regarding the interface with EPA and state budgetary systems.
- Review and approve all Quality Assurance Project Plans prepared under cooperative agreements and maintain QAPP guidance.
- Audit and administer private and public laboratory contracts for the state.
- Develop short-term and long-term needs for data management and computer software and hardware. Research software and hardware, assure compatibility with existing software and hardware, and make recommendations. Provide consultation, training (Internet), and trouble-shooting for hardware and software.
- Assist the MPCA information management coordinator in further developing Information-transfer potential with EPA. Investigate feasibility and use of EPA databases and electronic data interchange.
- Attend annual and mid-year all-state meetings.
- Monitor grant activities.

## **APPENDIX G**

### **Flexibility -Water Program**

**Streamlining** - MPCA and EPA, Region 5 will continue to examine the NPDES permitting process in order to identify opportunities for increased efficiency and streamline through innovative approaches. A concurrent effort is being done for implementation of Phase II storm water permits and the TMDL process. MPCA and EPA Region 5 will work together to implement one or more of the recommendations coming out of the permit streamlining workgroup. MPCA and Region 5 will continue or work together to identify and implement streamlining opportunities for all parts of the Water Program, especially the NPDES compliance elements, fostering innovative approaches, and working partnerships.

Regarding the permit streamlining activities, MPCA committed to implement: (1) increased use and development of general permits, and (2) pilot program for watershed permit scheduling. The other options we said we could not implement unless we received increased resources.

In-Kind Assistance - As conditioned in MPCA's Performance Partnership Grant, \$374,500 will be awarded as EPA In-Kind services to allow Headquarters contractors to assist MPCA in reducing the NPDES backlog by addressing issues including:

- Develop general NPDES permits for different discharger categories; and
- Review and revise (building off of the Region 4 permit streamlining efforts) of the NPDES permitting process.

Federal contractors will assist the MPCA in the development and implementation of the Phase II Stormwater Program by addressing issues including:

- Provide a detailed look at how the regulatory responsibilities and authorities of the state and land use authorities of Local Units of Government (LUGs) could be aligned so the efforts of MS4 communities would have status under the Federal regulations;
- Work to improve the flow of data electronically between the state and LUGs;
- Develop a handbook or guidance on "Low Impact Development" (LID) techniques;
- Develop for the MPCA a draft construction permit notice and fact sheet document;
- Design a poster for the Phase II requirements that would be sent to all cities, counties, and townships to post;
- Develop outreach and education methods for non-traditional MS4s'
- Provide data management services focusing on compliance and enforcement actions for both Phase I and II; and
- Develop an application form for MS4 to use in applying to the MPCA.