

Appendix 10-7

Extracted Content for  
Toledo Metropolitan Area Council of Governments in

Attachment C from the 1993 State WQM Plan Certification  
Priority and Implementation Program Process (PIPP)



**TMACOG****Plan Element**

MUNICIPAL AND INDUSTRIAL WASTE TREATMENT 130.6(c)(3)

**WQM Plan Content**

Published and distributed a Sludge for Garden Use (1985) pamphlet which provides guidelines for applying municipal sludge to a garden.

TMACOG prepared a series of Sewerage Facility Studies for Small Communities (1984 thru 1988). These studies were prepared for villages or unincorporated areas that have public health and/or water quality problems resulting from failed home septic systems and the lack of any public sewerage treatment facility. Studies have been completed for the following villages: Bloomdale, Cygnet, Harbor View, Hoytville, Neapolis, Portage, Rocky Ridge, Rudolph and Wightman's Grove.

TMACOG conducted the Interchange-Five Package Sewage Treatment Plant (1985) study to help resolve problems created by the high concentration of package plants in the area. TMACOG assessed the condition of each package plant and surveyed the ditches to which the plants discharges.

TMACOG started working on package sewage treatment plant inventories in 1984. These Package Plant Inventory Updates were field checked for Wood, Ottawa and Sandusky counties in 1987.

TMACOG prepared a non-technical diagram on Extended Aeration for Laymen (1987) to show how a package plant works and how to keep it working. In 1987, TMACOG conducted an Extended Aeration Seminar on the proper operation and maintenance of extended aeration treatment plants.

In 1987, TMACOG updated the Public Wastewater Treatment Chapter of the Areawide Water Quality Management Plan to: 1) incorporate sewer and treatment plant improvements since 1980, 2) reflect current plans for systems improvements, and 3) discuss remaining public sewerage problems and issues.

TMACOG Region Facility Planning Areas for Public Wastewater Treatment Services; 1990 Census Tract and Block Equivalency Tables; (April 1992). For each wastewater treatment Facility Planning Area, maps and charts indicate which 1990 Census blocks make up that FPA. This information will be used to determine the 1990 population of each FPA.

Village of Wayne, Ohio; Sewerage Facilities Study; (July 1990). Includes evaluation of the options for providing a sewerage system, cost estimates, recommendation, and steps needed to begin implementation.

Cross-Reference Guide for Water Quality, Transportation, and Demographic Data in the TMACOG Region; (March 30, 1990). Lays the groundwork for linking various data. Tables for each political division relate Census tracts to Transportation Analysis Zones and watersheds.

TMACOG documents included by reference in the 2006 State WQM Plan update extracted from 1993 State WQM Plan Certification, Attachment 3

TMACOG Water Quality, Transportation and Demographic Data; (April 1990). A list of data for the TMACOG region available in the TMACOG library either in print or on computer files. Sample pages of the data are included.

City of Toledo, Ohio; Combined Sewer Overflows and Water Quality; (April 1991). A report on the impact of combined sewer overflows on local water quality; how the problem has been addressed to date; and recommended actions.

Gypsum, Ohio; Ottawa County, Portage Township; Sewerage Facilities General Plan, Interim Report; April 1991. TMACOG Element Number 189.30. Options, cost estimates, and recommendations for sewerage the village.

Areawide Water Quality Management Plan, Chapter III; Public Wastewater Treatment Services; May 1991. Includes a discussion of areawide wastewater treatment issues and how they are being addressed, areawide policies, a description of regulatory and non-regulatory programs, and the public wastewater treatment status and future needs in the six counties covered by the Water Quality Management Plan.

#### Comments

Facility planning areas need to be evaluated and revised to reflect current conditions

**Plan Element**

NONPOINT SOURCE MANAGEMENT AND CONTROL 130.6(c)(4)

**WQM Plan Content**

The Ottawa County Paired Watershed Demonstration Project Plan of Study (1982) was prepared to provide detailed information on a project to be conducted to show the water quality benefits of intensive efforts to implement conservation practices.

The Clay Township Home Sewage Demonstration Project (1986) is to develop actions for solving problems associated with on-site home sewage disposal systems. The results are being applied as a prototype model for other critical areas in the region. To assist the local health departments in the region, TMACOG developed a 13 minute slide presentation of How to Properly Care for Your Home Septic System (1986). The script concentrated on the operation and maintenance of the septic tank and leach fields, including recommended pumping times, and described the necessary household habits important to avoiding costly repairs to the overall system. In 1988, TMACOG developed a nonpoint source abatement proposal entitled On-Site Wastewater Pollution Abatement in Wood County, Ohio which was not funded. It concentrated in two areas: the high urbanizing areas of Lake Township and the high bedrock areas of Liberty and Portage townships.

TMACOG organized and presented in 1986 a workshop for municipal personnel and civil engineers on the issue of CSOs, what is being done in Northwest Ohio, and what alternate technologies are available. To accompany the workshop, TMACOG published a Combined Sewer Overflow Seminar Workbook (1986) with background materials on technologies for addressing CSOs, and an extensive bibliography.

The Areawide Water Quality Planning Council has worked with the Soil and Water Conservation Districts to assist in demonstrations of ridge tillage, no-till and other forms of conservation tillage. TMACOG has leased ridge till planters and ridges in Ottawa County and published the Lucas and Wood County Conservation Tillage Test Plot Results, (1986). TMACOG worked with Lucas County and the municipalities along Swan Creek to assemble known information about the state of Swan Creek's water quality, and helped develop the Swan Creek Watershed Strategy (1986) for solving the problems identified. In the lower reaches of Swan Creek, accumulation of metals and toxics in the sediments have been identified and are a serious problem. What is unknown are the sources if these pollutants, and whether discharges still are occurring, or whether the sources have been eliminated.

Abatement Proposal (1988) was prepared in anticipation of funding for nonpoint source projects being appropriated under Section 319 of the Water Quality Act of 1987.

TMACOG proposed, in Swan Creek Toxics from Urban Nonpoint Sources (1988), to work with Toledo Environmental Services Division and Bowling Green State University to perform monitoring which would answer these questions.

The Water Quality Sampling Site Inventory (1988) of water quality monitoring covers Lucas, Wood, Erie, Ottawa and Sandusky counties in Ohio. Monitoring programs are described by the stream

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sampled and specific location on the stream, a listing of the parameters tested, the year(s) of the sampling and the source of the data.

Paired Watershed Demonstration Project; Third Year Annual Report, (1990). Covers data for 1988 and 1989 seasons for a conservation and a control watershed, including tillage, nutrient and pesticide application, and water quality.

Toledo Metropolitan Area Urban Runoff Needs Assessment; (1990). Outlines what communities need to do regarding the impending federal mandate (Water Quality Act of 1987) for storm water management plans for separate storm sewers.

Toledo Metropolitan Area Storm Water Management Needs, Summary of Draft Regulations and Project Progress Report; First Half, FY 1990. Summary of draft regulations for regulating separate storm water discharges; TMACOG progress reports on storm water management project.

Ottawa County Paired Watershed Demonstration Project; Program Summary, (1991). A 4-page public information piece. Describes the study of two farming watersheds to determine the impact of soil conservation practices on water quality. Includes general results from 1988 and 1989.

A Summary of the Final NPDES Storm Water Regulations for the TMACOG Region; December 1990, revised June 1991. Includes who is required to obtain a permit, types of permits and application requirements.

Toledo Metropolitan Area Urban Runoff Needs Assessment -- Update; and A Summary of U.S. EPA's Draft General Permits; (1991). Includes charts of local municipalities' contribution to urban storm water runoff, and what actions are needed to address problems, in addition to information on Federal requirements.

Toledo Metropolitan Area Best Management Practices for Urban Storm Water; (1991). Includes a discussion of the legal framework, a variety of BMP's by mode of implementation and by function, and a model erosion control ordinance.

### Comments

Water quality monitoring needs to be performed to locate the sources of urban nonpoint source pollutants. The storm water management needs of the TMACOG area should be studied.

A plan is being developed for creating a wetland area along Swan Creek which can be used for the abatement of nonpoint source pollutants. The Swan Creek Wetlands Task Force currently is reviewing scenarios for sorting and conceptual design of the wetland.

The Ottawa Paired Watershed Demonstration Project began in 1988. Project activities including water quality monitoring and farmer education are planned through 1993.

**Plan Element**

MANAGEMENT AGENCIES 130.6(c)(5)

**WQM Plan Content**

None

Comments

None

**Plan Element**

## IMPLEMENTATION MEASURES 130.6(c)(6)

**WQM Plan Content**

The Maumee River Basin Area of Concern Remedial Action Plan: Investigation Report, 1988 discusses existing water uses and includes current water quality and sediment quality data. It describes monitoring surveys which have occurred. Also included are description of pollutant sources and the impacts of each.

Reduce Phosphorus and Sediment in the Maumee River Basin, Ohio (informational brochure) (1990). Describes the conservation tillage cost-sharing program available to farmers, including purpose, eligible equipment and measures, and sign-up locations.

Swan Creek Marsh Creation Project' Progress Report; First Half FY 1990. Summary and documentation of activities through December 1989. Includes meeting notes, list of existing wetlands with potential for use on the project, and Swan Creek baseline water quality data.

Swan Creek Wetland Re-creation Project; Progress Report Fiscal Year 1991, Second half; (April 1991). Summarizes and documents activities including identifying a potential site on Blue Creek and investigating formation of a non-profit corporation.

Swan Creek Wetland Re-creation Project; Proposed Organizational Outline; (June 1991). Proposed code of regulations for the Blue Creek Advisory Board, plus related correspondence.

Swan Creek Wetland Re-creation Project; Progress Report Fiscal Year 1992, First Half; (December 1991). Summary and documentation of activities including formation of an implementation committee, grant research, development of a site study plan and continued distribution of a newsletter to members.

Comments

TMACOG is continuing to work with committees to develop a Recommendations Report as part of the RAP. This document will identify what needs to be done to restore impaired uses of Maumee Bay, the Lake Erie Western Basin and Toledo area streams.

**Plan Element**

DREDGE OR FILL PROGRAMS 130.6(c)(7)

**WQM Plan Content**

Memorandum of Agreement Overview Report on Dredge Use Alternative (1986) describes the agreement between TMACOG, the Toledo-Lucas County Port Authority, the U.S. Army Corps of Engineers and Ohio EPA to phase out open-lake disposal of dredged material.

The Five Year Plan for Dredge Disposal and Alternative Dredge Disposal Methods for the Toledo, Ohio Harbor (1986) give additional information on phasing out open-lake disposal and identifies various alternatives to the open-lake disposal of dredged material.

Comments

None

**Plan Element**

BASIN PLANS 130.6(c)(8)

**WQM Plan Content**

Maumee River Basin Area of Concern Remedial Action Plan; Recommendations for Implementation, Executive Summary' (July 1991). Summarizes the findings of Stage s of the RAP, including the major sources of pollution and what should be done about them.

Maumee River Basin Area of Concern Remedial Action Plan; Volume 4, Recommendations for Implementation; (July 1991). How beneficial uses of surface waters are currently impaired, improvement objectives, and recommendations for dealing with the various pollutant sources for the watersheds of the Maumee River and Bay, Swan Creek, Ottawa River and Lake Erie.

Maumee River Remedial Action Plan; Water quality Monitoring Strategy; (December 1991). An outline of water quality sampling, past and recommended, in the lower Maumee Basin.

Lower Maumee Basin Remedial Action Plan: Public Involvement Activities. Newsletter materials, slide presentation script, and press conference documentation.

Maumee River, Remedial Action Plan Newsletter, Issue #4, (December 1990). Entitled "A Clean Water Agenda," discusses general RAP goals plus recommendations for dealing with various pollution sources.

Maumee River, Remedial Action Plan Newsletter, Issue #5, (October 1991). Includes articles on High School Environmental Education Project, RAP Implementation Committee, and disposal of sediment dredged from Toledo Harbor.

Maumee River, Remedial Action Plan Newsletter, Issue #6, (February 1992). Includes articles on cost-sharing program for agricultural soil conservation measures, combined sewer overflows, and urban storm water pollution.

Comments

None

**Plan Element**

GROUND WATER 130.6(c)(9)

**WQM Plan Content**

To assist local health departments in the region, TMACOG developed a 13 minute slide presentation on How to Properly Care for Your Private Water System (1989)

Village of Whitehouse, Ohio; Wellhead Protection, Preliminary Plan; April 1991. TMACOG Element Number 189.81. Includes background information on geology and groundwater characteristics; potential sources of groundwater contamination; and recommendations for wellhead protection. U.S. EPA Element 130.6(c)(9).

Lindsey, Ohio: Wellhead Protection, Volume 2; Delineation of Wellhead Protection Areas and Inventory of Potential Pollution Sources; April 1992. TMACOG Element Number 30.81 includes map of land use and potential pollution sources, maps of areas through which contaminants are likely to move (time-of-travel zones), and recommendations. U.S. EPA Element 130.6(c)(9).

Pemberville, Ohio: Groundwater Protection, Second Report; Delineation of Wellhead Protection Areas and Inventory of Potential Pollution Sources; April 1992. TMACOG Element Number 30.81 includes map of land use and potential pollution sources, map of areas through which contaminants are likely to move (time-of-travel zones), and recommendations. U.S. EPA Element 130.6(c)(9).

Comments

Listing of this report in the WQMP does not imply that it meets the requirements for delineating a WHP area or for conducting a pollution source inventory as described in Ohio's WHP Program.

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