

8.1 Satellite CMOM Effort Background

The Satellite Capacity, Management, Operations, and Maintenance (CMOM) Effort documented here includes a discussion of District activities that are required by the 2002 Stipulation Agreement (Stipulation) (1) between the State of Wisconsin and the Milwaukee Metropolitan Sewerage District (MMSD or District). Also included are activities taken to satisfy District objectives related to satellite system CMOM programs.

The Stipulation requirements and District objectives are discussed below.

8.1.1 Stipulation Requirements

The Stipulation, which requires the District to develop and implement a regional CMOM program, is the primary driver of the satellite CMOM effort. The Stipulation states under item 7:

“E. The approach to be used by the District to initiate and maintain the CMOM program shall include the following steps:”

The fifth step listed is:

“5) Open and maintain a CMOM dialog with the 28 satellite municipalities through the Technical Advisory Team with the goal of assisting the satellite municipalities with developing individual CMOM programs. The District shall develop prospective measures for the satellite systems that will reflect the requirements of the District’s CMOM program.”

In addition, paragraph 9 of the Stipulation includes language regarding the regional CMOM program:

“SATELLITE MUNICIPALITIES

9. Infiltration and inflow reduction efforts by the 28 satellite municipalities will continue to be required under District Rules, Chapter 3, Infiltration and Inflow Control. In addition, each satellite municipality shall be required, be District rules, to develop a local CMOM by no later than two years after completion of the District’s regional CMOM Program. Prior to promulgation of the District rules, the Department may issue WPDES discharge permits to individual satellite municipalities, as necessary to require, inter alia, I/I reduction efforts by fixed dates. Following promulgation of the District rules, the Department may issue WPDES discharge permits to individual satellite municipalities, as necessary to require, inter alia, CMOM development and I/I reduction efforts by fixed dates.”

Note that in the District Stipulation, there are 28 satellite municipalities referenced. Below, there are 29 satellite municipalities referenced. The difference is Milwaukee County, which, for the purposes of the CMOM Program, has been recognized as a satellite system to the District since the Stipulation was written.

8.1.2 District Objectives

In the CMOM Management Plan (Chapter 2 of this document) the fifth Overall objective is to “Establish a regional CMOM program.”

8.1.3 Satellite CMOM Effort Documentation

The District satellite CMOM effort is comprised of: 1) The development of CMOM programs for each satellite system and 2) District Rules regarding completion of satellite CMOM programs.

8.2 Satellite CMOM Effort

The District's effort regarding the satellite systems includes the following items that are intended to satisfy the District Stipulation requirement:

- Satellite CMOM program development
- District Rules regarding satellite systems

8.2.1 Satellite CMOM Program Development

The District began discussions with the satellite systems, as required by the Stipulation, in 2002. Since then, the District has continued meeting with each of the satellite systems and discussing the CMOM requirements a minimum of once per year.

In addition, the District has contracted with a consultant to work with each satellite system to:

- Complete a readiness review;
- Complete a gap analysis; and
- Prepare a report that includes;
 - Documentation of the readiness review and gap analysis; and
 - A strategic plan for complying with CMOM requirements.

The reports for each satellite are expected to be completed in 2007.

A readiness review is the initial stage in preparing a CMOM program. It involves interviewing personnel, reviewing records, conducting field visits, etc. to ascertain an organization's current status with regard to a set of business practices that should be considered when implementing a CMOM program.

The gap analysis is a detailed comparison for each business practice of: 1) The organization's current status; and 2) The organization's desired (or required) status. The business process areas include groups such as: sewer design; sewer maintenance; flow monitoring; and geographical information systems.

The strategic plan will provide each satellite with direction and a list of activities to investigate and complete in order to close the gaps identified and establish their CMOM program.

The satellite CMOM programs must be completed by June 30, 2009 according to paragraph 22 of the 2005 Stipulation that was entered into between the State of Wisconsin and the 29 satellite systems that are tributary to the District's regional facilities (12). The text of paragraph 22 is shown below:

**“MUNICIPAL CAPACITY, MANAGEMENT, OPERATION AND
MAINTENANCE (“CMOM”) PROGRAM DEVELOPMENT AND
IMPLEMENTATION**

22. No later than June 30, 2009, all Tributaries shall develop and implement Capacity, Management, Operation and Maintenance (CMOM) programs reflecting the requirements of MMSD's regional CMOM program, as contemplated by paragraphs 6-7

of the settlement stipulation in the case of *State of Wisconsin v. Milwaukee Metropolitan Sewerage District*, Milwaukee County Circuit Court Case No. 02-CV-2701.”

The District’s Rules, Chapter 3 also require that the satellite systems establish CMOM programs by June 30, 2009. Section 3.105 of the District’s Rules, Chapter 3 includes the details of the requirements. Further discussion of Chapter 3 of the District’s Rules is included below.

As mentioned above, the District has funded the readiness review and strategy development steps of the CMOM process for the satellite systems. In addition, templates for the management, overflow response, communication, audit, and system evaluation and capacity assurance plans have been provided to each satellite system owner.

Establishing the CMOM program and completing the documentation is the last step, which is to be completed by each satellite system by the established deadline.

8.2.2 District Rules

The District has revised Chapter 3 of its Rules, which was previously titled *Infiltration and Inflow Control*, but is now *Management, Operation, and Maintenance of Tributary Sewers*. The revised Chapter 3 has been adopted by the District Commission on May 21, 2007, with an effective date of May 27, 2007. The revised version of District Rules, Chapter 3 is included as Appendix 2-3 of this document.

The revised rule contains CMOM requirements for all satellite system owners that discharge into District sewers (Chapter 3, section 3.202 in Appendix 2-3). The rule specifies that satellite system owners must have established systematic and proactive programs that include the following practices and activities:

- ✓ Maintaining sewer system plans
- ✓ Maintaining records of physical attributes and the condition of sewers
- ✓ Cleaning sewers and debris removal
- ✓ Condition monitoring programs
- ✓ Asset renewal programs
- ✓ Providing sufficient personnel
- ✓ Having and enforcing an inflow prevention ordinance

These activities and others regarding the satellite sewer systems are to be documented in the following set of plans that are required by the revised Chapter 3 of the District’s Rules:

- ✓ Management Plan;
- ✓ Overflow Response Plan;
- ✓ Communication Plan;
- ✓ Audit Plan;
- ✓ System Evaluation and Capacity Assurance Plan (SECAP) (if hydraulic information is necessary to evaluate a sewer design decision or understand sewer performance); and
- ✓ Infiltration and Inflow Management Plan.

The District has completed limited SECAP studies as part of its 2020 Facilities Planning process. If the District requires a satellite system owner to complete a SECAP, the

limited study can be used as a basis for the complete SECAP. See Chapter 5, section 5.2.1.2.2 of this document for further information.