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## ACRONYMS

AIMS – Asset Information Management System  
AM – Asset Management  
AMP – Asset Management Plan  
AMSA – Association of Metropolitan Sewerage Agencies (n/k/a NACWA)  
AMT – Asset Management Team  
AMWT – Asset Management Work Team  
AWWA – American Water Works Association  
BCA – Business Case Analysis  
BOD – 5-day Biochemical Oxygen Demand  
CIP – Capital Improvement Program  
CCS – Central Control System  
CFR – Code of Federal Regulations  
CM – Corrective Maintenance  
CMAR – Compliance Maintenance Annual Report  
CMMS – Computerized Maintenance Management System  
CMO – Constructability, Maintainability, and Operability  
CMOM – Capacity, Management, Operations and Maintenance  
CSO – Combined Sewer Overflow  
DS – Diversion Structure  
FFS – Flow Forecasting System  
FPOPs – Facilities, Programs, Operational Improvements and Policies  
GASB 34 – Governmental Accounting Standards Board Statement 34  
GIS – Geographical Information System  
HEC-RAS – Hydrologic Engineering Center-River Analysis System  
HSPF – Hydrologic Simulation Program-Fortran  
I/I – Infiltration and Inflow  
IS – Intercepting Structure  
ISS – Inline Storage System  
IWPP – Industrial Waste Pretreatment Program  
JIWWTP – Jones Island Wastewater Treatment Plant  
LID – Low Impact Development  
LOP – Level of Protection  
LOS – Level of Service  
LTCP – Long Term Control plan  
MGD – Million Gallons per Day  
MIS – Metropolitan Interceptor Sewer  
MMSD – Milwaukee Metropolitan Sewerage District

MOUSE – Modeling of Urban Sewers  
MP – Management Plan  
NACWA – National Association of Clean Water Agencies (f/k/a AMSA)  
NASSCO – National Association of Sewer Service Companies  
NPDES – National Pollutant Discharge Elimination System  
NSC – Near Surface Collector  
O&M – Operations and Maintenance  
ORP – Overflow Response Plan  
PdM – Predictive Maintenance  
PM – Preventive Maintenance  
PPE – Personal Protective Equipment  
QA – Quality Assurance  
R&R – Refurbishment and Replacement  
RaMP – Risk Management Priority Number  
RCFA – Root Cause of Failure Analysis  
RFA – Request for Assistance  
RTC – Real Time Control  
SCADA – Supervisory Control and Data Acquisition  
SECAP – System Evaluation and Capacity Assurance Plan  
SEWRPC – Southeastern Wisconsin Regional Planning Commission  
SMP – Standard Maintenance Procedure  
SOC-CA – Systems Operation and Control Contract Administrator  
SOP – Standard Operating Procedure  
SSO – Sanitary Sewer Overflow or Sanitary Sewer Outfall  
SSWWTP – South Shore Wastewater Treatment Plant  
TAT – Technical Advisory Team  
TSS – Total Suspended Solids  
USEPA – United States Environmental Protection Agency  
UWS – United Water Services  
VRSSI – Volume Reserved for Separate Sewage Inflow  
WDNR – Wisconsin Department of Natural Resources  
WMP – Watercourse Management Plan  
WPDES – Wisconsin Pollutant Discharge Elimination System  
WWPFMP – Wet Weather Peak Flow Management Program  
WWTP – Wastewater Treatment Plant

## DEFINITIONS

*2020 Facilities Plan* – Milwaukee Metropolitan Sewerage District’s plan for facilities, policies, operational improvements and procedures for the planning horizon from 2000 to 2020.

*Asset Management Work Team* – A team of District and contract operator employees convened to provide input in developing the Asset Management Plan Strategy developed and documented in the *CMOM Strategic Plan*.

*Biosolids* – Stabilized solid matter resulting from the wastewater treatment process

*Business Case Analysis* – A method for determining and comparing the community benefits of a project to its total cost.

*CMOM Strategic Plan* – Documentation provided to the Wisconsin Department of Natural Resources in 2005. The CMOM Strategic Plan included strategies for the management plan, asset management plan, overflow response plan, system evaluation and capacity assurance plan, communication plan, audit plan and satellite effort that were further developed into the District CMOM Program.

*Computerized Maintenance Management System* – Database of assets, asset maintenance plans and work orders used for scheduling and tracking maintenance time and costs

*Contract Operator* – Private firm contracted by the Milwaukee Metropolitan Sewerage District to perform the maintenance and operation activities associated with the District’s wastewater conveyance and treatment assets.

*Corrective Maintenance* – Maintenance activities intended to restore an asset from a failed condition to normal operation.

*Diversion Structure (DS)* – Structure built either on a combined sewer or on a combined sewer overflow to direct flow into a near surface collector sewer (where it is directed towards the Inline Storage System.) The diversion structure will generally handle wet weather flow above the capacity of the regulating device in the Intercepting Structure. Diversion structures can also be built in the same structure with the Intercepting Structure.

*Dropshaft* – Conveyance structure that is the primary vertical link between the near surface conveyance facilities and the deep Inline Storage System.

*Great Plains* – District asset accounting software and database.

*Intercepting Structure (IS)* – Structure built on a combined sewer that intercepts dry weather flow and a portion of wet weather flow and directs it to the Metropolitan Interceptor Sewer (MIS) System. Intercepting structures use one of three types of devices to regulate the flow into the MIS. The devices are: 1) An orifice; 2) A tilting gate; or 3) A leaping weir.

*Level of Protection* – The wastewater flow (applies to flow in the conveyance system, at the treatment plants or in the watercourse system) recurrence interval that the District has identified and used for planning, designing, and constructing facilities to protect against SSOs, diversions, and surface flooding.

*Maximo* – Computerized maintenance management system presently used by the District’s contract operator

*Permit* – Wisconsin Pollutant Discharge Elimination System permit issued to the Milwaukee Metropolitan Sewerage District (current permit was issued in 2003.)

*Predictive Maintenance* – Inspection, testing and maintenance activities that are primarily intended to determine an assets condition. Typical activities include sewer televising, structural inspections, vibration testing, and oil analysis.

*Preventive Maintenance* – Maintenance activities intended to maintain the normal function of an asset.

*Sewershed* – Portion of the District service area. Sewersheds are delineated by sewer flow tributary area and do not cross municipal boundaries, meter basin boundaries or District sub-systems.

*Stipulation* – Agreement entered into between the Milwaukee Metropolitan Sewerage District and the State of Wisconsin in 2002 that specifies activities and projects the District must complete within a set timeframe.

*Wastewater System* – The system of Metropolitan Intercepting Sewers (MIS), including the intercepting structures, Near Surface Collector sewers (NSC), including diversion structures, Inline Storage System (ISS), Combined Sewer Overflow (CSO) and outfall sewers, and the wastewater treatment plants (Jones Island and South Shore) owned by the Milwaukee Metropolitan Sewerage District.