Comprehensive Sewer Plan Update Review Requirements

Background

Local governments are required to submit both a wastewater plan element to their comprehensive plan as well as a comprehensive sewer plan describing service needs from the Met Council.

Before any local government unit in the metro area can proceed with a sewer extension, the comprehensive sewer plan must be consistent with the Met Council's Wastewater System Plan and be approved by the Met Council.

The following comprehensive sewer plan content checklist covers information that will be used by the Met Council to:

1. Evaluate long-term regional system capacity needs and program future capital improvements to accommodate community growth.
2. Determine intercommunity sanitary sewer flow allocation adjustments by the Met Council where appropriate.
3. Identify potential or planned sanitary sewer capacity projects at locations that connect to the regional system.
4. Assist the Met Council in the development of hydraulic models for long-term capacity needs evaluation.
5. Evaluate the continued progress and effectiveness of local I/I mitigation efforts and provide information for the Met Council to advocate for continued financial assistance programs (grants/loans) for work on both the public and private property portions of the wastewater collection system.
6. Determine that the community's treatment system, or a private treatment system, either has adequate capacity to serve the forecasted growth, or has programmed improvements to add capacity to accommodate the forecasted growth.
7. Ensure that the community's treatment system, or private treatment system, is compliant with applicable permits, and to verify that those facilities are being maintained and operated appropriately and ensure there is sufficient capacity to accommodate the service level needs through the 20-year planning horizon.
8. Conduct trace analyses. Trace analysis is used in the event of local hazardous spill for emergency response purposes. Data is kept confidential and secure.

Elements

GIS Requirements – All Areas

1. Provide the following GIS sewer system data with the comprehensive sewer plan submittal (GIS shape files or geodatabase feature classes):
    a. Local sanitary lines.
        i. Include pipe size, pipe material, year built, conveyance method (gravity and forcemain).
    b. Local sanitary structures (for example, manholes, lift stations, etc).
    c. Existing connections points to the MCES collection system.
    d. Future connection points to the MCES collection system (for new growth).
    e. Local sewershed service areas or districts by connection point.
    f. Intercommunity connection points.

g. Proposed changes in government boundaries based on orderly annexation agreements.
h. Location of all private and public wastewater treatment plants in the community.
i. Individual subsurface sewage treatment systems (as mentioned in the Requirements for Areas Served by Subsurface Sewage Treatment Systems section).

Requirements for Areas Served by the Regional System (Urban Area)

1. Table that details adopted community sewered forecasts:
    a. 10-year increments to 2050
        i. Households
        ii. Employment
    b. Forecasts shall be broken down by areas served by the Metropolitan Disposal System, locally owned and operated wastewater treatment systems, and communal and subsurface sewage treatment systems.
2. Copy of intercommunity service agreements entered into with an adjoining community, or a description of the intercommunity service agreements that confirms the Met Council's understanding that one community reimburse the other community for the municipal wastewater charges that it will incur by receiving flow from the adjacent community. If the Met Council is responsible for adjusting flow for each community for the purpose of calculating the Municipal Wastewater Charge, note that in the description of the intercommunity agreement. Include a map of service areas covered by the agreements.
3. Table or tables that provide the following local system information:
    a. Capacity and design flows for existing trunk sewers and lift stations.
        i. For local sanitary sewer lines 12" and larger that connect to the Met Council system, provide the 2050 design flow and pipe capacity for each connecting trunk sewer and lift station. Include the percentage of total capacity of each pipe that will be used by 2050.
    b. Assignment of 2050 growth forecasts by Met Council interceptor facility.
        i. Household and employment forecasts.
4. For new trunk sewer systems that require connection to the Metropolitan Disposal System:
    a. A table that details the proposed time schedule for the construction of the new trunk sewer system.
5. Define the community's goals, policies, and strategies for preventing and reducing excessive inflow and infiltration (I/I) in the local municipal (city) and private (private property) sanitary sewer systems.
    a. Include a summary of activities or programs intended to mitigate I/I from both public and private property sources.
6. Describe the requirements and standards in the community for minimizing I/I.
    a. Include a copy of the local ordinance or resolution that prohibits discharge from sump pumps, foundation drains, and/or rain leaders to the sanitary sewer system.
    b. Include a copy of the local ordinance or resolution requiring the disconnection of existing foundation drains, sump pumps, and roof leaders from the sanitary sewer system.
7. Describe the sources, extent, and significance of existing I/I in both the municipal and private sewer systems.

a. Include a description of the existing sources of I/I in the municipal and private sewer infrastructure.
b. Include a summary of the extent of the systems that contribute to I/I such as locations, quantities of piping or maintenance holes, quantity of service laterals, or other measures. If an analysis has not been completed, include a schedule and scope of future system analysis.
c. Include a breakdown of residential housing stock age within the community into pre- and post-1970 era, and what percentage of pre-1970 era private services have been evaluated for I/I susceptibility and repair.
d. Include the measured or estimated amount of clearwater flow generated from the public municipal and private sewer systems.
e. Include a cost summary for remediating the I/I sources identified in the community. If previous I/I mitigation work has occurred in the community, include a summary of flow reductions and investments completed. If costs for mitigating I/I have not been analyzed, include the anticipated wastewater service rates or other costs attributed to I/I.

8. Describe the implementation plan for preventing and eliminating excessive I/I from entering both the municipal and private sewer systems.
    a. Include the strategy for implementing projects, activities, or programs planned to mitigate excessive I/I from entering the municipal and private sewer systems.
    b. Include a list of priorities for I/I mitigation projects based on flow reduction, budget, schedule, or other criteria.
    c. Include a schedule and the related financial mechanisms planned or needed to implement the I/I mitigation strategy.
9. Provide current community SSTS ordinances or description of community's SSTS management program compliant with current Minnesota Pollution Control Agency Rules Chapters 7080-7083.

Requirements for Areas Served by Local Wastewater Treatment Systems (Rural Centralized System)

1. Community sewered forecasts:
    a. 10-year increments to 2050
        i. Households
        ii. Employment
2. Capacity of and existing flows to public treatment systems.
3. Map or maps showing the following information:
    a. Local wastewater service areas through 2050.
    b. Staging plan, if available.
    c. Proposed changes in governmental boundaries affecting the community, including any areas designated for orderly annexation.
4. Proposed timing and financing of any expanded or new wastewater treatment facilities.
5. Define the community's goals, policies, and strategies for preventing and reducing excessive inflow and infiltration (I/I) in the local sanitary sewer system, including a discussion of sump pumps and drain tile connected to the local sewer system.
6. A copy of facility planning reports for the upgrading of the local wastewater treatment plant.
7. Copies of the associated National Pollutant Discharge Elimination System (NPDES) or State Disposal System (SDS) permits.

8. Provide current community SSTS ordinance or description of community's SSTS management program compliant with current Minnesota Pollution Control Agency Rules Chapters 7080-7083.

Requirements for Areas Served by Private Communal Treatment Systems

1. Table that details adopted community forecasts served by each private communal system:
    a. 10-year increments to 2050
        i. Households
        ii. Employment
2. Describe the management program for private communal treatment systems.
3. Copies of the associated National Pollutant Discharge Elimination System (NPDES) or State Disposal System (SDS) permits.
4. Map or maps showing the following information:
    a. Locations of private communal treatment systems including:
        i. Treatment facilities
        ii. Subsurface systems
    b. Current and projected service areas for private communal treatment systems.
5. Conditions under which additional private communal treatment systems would be allowed:
    a. Allowable land uses and residential densities.
    b. Installation requirements.
    c. Management requirements.
    d. Local government responsibilities.

Requirements for Areas Served by Subsurface Sewage Treatment Systems (SSTS)

1. Indicate in the comprehensive sewer plan the number of individual SSTSs in operation serving residences and businesses in the community.
2. Map identifying location of individual SSTSs. Location of known nonconforming systems or known problems should be identified. A list of addresses for SSTSs is acceptable where mapping is unavailable.
3. Describe the conditions under which new individual SSTSs would be allowed.
4. Provide description of community's SSTS management program compliant with current Minnesota Pollution Control Agency Rules Chapters 7080-7083.
5. Provide current community SSTS ordinance.