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CHAPTER 3 GENERAL PLANNING INFORMATION

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CHAPTER 3

GENERAL PLANNING INFORMATION

3.1 PURPOSE

This chapter:

- a. Documents Louisville and Jefferson County Metropolitan Sewer District's philosophy for a regional (watershed) approach for the provision of sanitary sewer and stormwater service in the MSD service area.
- b. Identifies the sources of planning and design information for development of sanitary sewer and stormwater drainage infrastructure in the MSD service area.
- c. Identifies the goals of the Facilities Plan, Area Action Plans and the Stormwater Drainage Master Plan.

3.2 PLANNING APPROACH

MSD's regional approach for the planning, design, construction, operation and maintenance of sanitary sewer and stormwater facilities is structured to ensure a level of service that protects the general health, safety, and welfare of the citizens of the MSD service area. This approach will also further MSD's efforts to satisfy local, state and federal regulations as they relate to water quality.

MSD's 201 Facilities Plan and approved Area Action Plans provide the framework for planning and design of sanitary sewer facilities in the MSD service area. The Sanitary Master Plan, the Stormwater Drainage Master Plan, and the Watershed Master Plan provide the required technical information necessary for the regional planning and design of sanitary and stormwater facilities in the MSD service area. The Design Engineer should use these documents for planning and as reference documents for the development of sanitary and stormwater facilities in the respective MSD service areas.

3.3 FACILITIES PLAN/AREA ACTION PLANS (SANITARY)

The original master plan prepared for MSD for sewerage portions of Jefferson County, Kentucky outside the City of Louisville dates back to 1964. In 1973 and 1974, updates of that plan and the area's 201 Facilities Plan were prepared to conform to the requirements of the Federal Water Pollution Control Act Amendments of 1972. The 201 Facilities Plan was deemed by EPA to be substantially complete in May 1975. The 201 Facilities Plan designated MSD as the local agency to implement the approved program, which became known as the Master Plan Expansion Program.

The goal of the Master Plan Expansion Program was to provide the best solutions, both cost-effectively and environmentally, to the problems of wastewater collection and treatment in Jefferson County. The Master Plan Expansion Program covers a 300-square mile portion of Jefferson County.

Since the 201 Facilities Plan was approved, MSD has initiated and completed the development of the watershed area action plans to address the problems in areas without sanitary sewer service and to facilitate growth in the MSD service area. Action plans are considered to be updates to the 201 Facilities Plan. A list of the area action plans and the date they were adopted by the MSD Board is as follows:

<u>Action Plan</u>	<u>Adopted</u>
North County	February 1987
Upper Pond Creek	November 1989 (Updated 1998)
Cedar Creek	May 1990
Mill Creek	May 1993
Floyds Fork	July 1993

3.4 STORMWATER DRAINAGE MASTER PLAN

In order to improve and enhance stormwater drainage services to the City of Louisville and Jefferson County, Agreements of Interlocal Cooperation between MSD, the City of Louisville, and Jefferson County were signed to clearly identify MSD as the responsible agency for providing flood and stormwater services. These agreements became effective January 1, 1987, and supplemented where needed, the powers MSD already possessed pursuant to the Kentucky Revised Statutes, Chapter 76. To facilitate this transition and provide regional guidelines for management of the overall program, the Stormwater Drainage Master Plan (SWDMP) was prepared.

The goal of the SWDMP is to provide a regional approach to develop a consistent level of drainage service and maintain or improve water quality across the County. The Watershed Plan Report of the SWDMP includes the technical information and recommendations to manage the 11 designated watersheds both area-wide and on a local level to meet this goal.

3.5 AREA TEAM MANAGEMENT

In 1997, MSD began converting to a watershed approach for managing its wastewater and stormwater programs. Most activities have been grouped into nine area teams as follows:

- Beargrass City Team
- Floyds Fork Team
- Mill Creek Team

- North County Team
- Pond Creek Team
- Morris Forman Team
- Wet Weather Water Quality Team
- Development Team
- Construction Team

The first five teams are responsible for defined service areas. Major responsibilities include the planning, design and construction of most of the projects in MSD's Capital Improvement Program and the planning of the Neighborhood Maintenance Program. **A map identifying the Team boundaries can be found on MSD's web page. It is located at <http://www.msdlouky.org/insidemsd/areateam.htm>.** MSD has divided each of the watersheds into more than 45 Neighborhood areas that are basically defined by geographic boundaries and natural features. MSD uses these areas to group together service requests so that its work can be planned and scheduled more efficiently.

The Morris Foreman Area Team is concerned with the operation and improvement of MSD's largest wastewater treatment plant and serves parts of several different watersheds.

The remaining three teams provide support across the entire MSD service area. The Wet Weather Team administers the SSO, CSO, and MS4 programs. The Development Team is responsible for the review and approval of sanitary, stormwater, and erosion prevention and sediment control plans for new development. The Construction Team coordinates all construction activity.

3.6 REGIONAL FACILITIES

In June of 1996 the MSD Board adopted a revised policy for regional wastewater and stormwater facilities serving more than a single development. MSD realized that in some cases regional facilities are more appropriate, cost effective, and assure proper operation and maintenance compared to on-site detention facilities.

The requirement to build or participate in the cost of regional facilities shall be determined concurrently with the review by MSD of the developer's proposed development plans and by an analysis of the development's impact on the general community. This impact includes watershed, other development, existing service facilities, and its conformance with MSD's master plans.

3.7 FLOODPLAIN ORDINANCE

With the issuance of Jefferson County's Floodplain Ordinance, it is important that before planning/design begins on any lot with possible floodplain or minimum opening impacts, the builder must obtain a determination from MSD on the need for a floodplain permit

and clarification on exactly what restrictions apply. Construction in the local regulatory floodplain without a valid permit is a violation of the ordinance and is subject to possible fines. Per the ordinance, “**No Development**” is permitted in the local conveyance zone. The conveyance zone is further defined in Section 10.4.