

# CHAPTER 1

## INTRODUCTION



*Receiving waters*



## Chapter 1.0 – Introduction

The Department of Health (DOH) reissued a municipal separate storm sewer system (MS4) National Pollutant Discharge Elimination System (NPDES) permit HI S000002 on February 28, 2006 with an effective date of March 31, 2006 (See Appendix A.1). The permit identifies the requirements the City must implement to reduce storm water pollutants into receiving State waters. The permit outlines specific action items that the City needs to pursue to be in compliance with the permit requirements.

The permit covers four of the City Departments:

1. Department of Environmental Services (ENV);
2. Department of Facility Maintenance (DFM);
3. Department of Planning and Permitting (DPP); and
4. Department of Design and Construction (DDC).

In the future, the City plans to combine all large and small MS4s into one permit. Discussions have begun within the City and with DOH on including all facilities under one permit.

Below is a direct quote from Part D.1 of the NPDES Permit regarding the development, implementation and enforcement of the Storm Water Management Plan (SWMP).

*“D. STORM WATER MANAGEMENT PLAN (SWMP)*

*The Permittee shall:*

1. *Develop, implement, and enforce a Storm Water Management Plan (SWMP) designed to address the requirements of this permit and limit, to the MEP, the discharge of pollutants to and from its MS4 (Municipal Separate Storm Sewer System) to protect water quality and to satisfy the appropriate water quality requirements of the Act. The SWMP shall include the following information for each of the SWMP components described in Part D.1 .a – f below:*
  - *The BMPs, plus underlying rationale, that shall be implemented for each of the program components.*
  - *The measurable standards and milestones for each of the BMPs, plus underlying rationale, including interim measures to aid in determining level of effort and effectiveness of each program component.*
  - *The name or position title and affiliation of the person or persons responsible for implementation or coordination of each program component.*

- *Monitoring to determine effectiveness of Wasteload Allocation (WLA) controls and of the overall storm water program.*

*Submittal Date. The SWMP shall be updated and modified per the requirements of this permit and shall be submitted to DOH within one (1) year from the effective date of this permit, or as otherwise specified, and shall fully implement the SWMP upon submittal to DOH. The Permittee shall continue to implement the existing SWMP until submittal of the revision. The SWMP and any of its revisions, additions, or modifications are enforceable components of this permit.”*

The major requirement is to prepare a Storm Water Management Plan (SWMP) within one year after the effective date of the permit, which was March 31, 2006. This document serves as the vehicle to meet that requirement.

The goals of the SWMP are to: (1) reduce storm water pollution to the maximum extent practicable (MEP); (2) ensure compliance with permit requirements; (3) maintain the storm water infrastructure and BMPs (Best Management Practices); (4) educate the public and the City’s employees and contractors on various storm water components including public outreach; and (5) develop a proactive planning process through which the City’s SWMP can evolve to meet its changing future needs.

Best Management Practices (BMPs) involves the installation of structural features, such as catch basin filters, oil water separators, canopies or berms. Education, Training, and Outreach efforts are also considered BMPs. Housekeeping tasks such as picking up litter, using absorbent pads for spills and street sweeping are also BMPs. Anything that someone does to reduce the potential for pollution to enter receiving waters is a BMP.

This SWMP identifies existing actions that the City has and will continue to implement and describes additional steps the City will pursue to further reduce storm water pollutants to receiving State waters. The plan to measure the effectiveness of the City’s efforts can be found in Appendix A.2.

The following chapters describe how the City plans to implement the SWMP to meet the requirements of the NPDES Permit.