APPENDIX 6
RWWMP CONTENT

The following is a preliminary outline describing the anticipated content of the RWWMP. This outline is intended to provide general guidance for the preparation of the RWWMP. It is anticipated that some deviation from this outline will occur in the development of the RWWMP.

1. Introduction
   1.1 Background
   1.2 Purpose and Format of Regional Wet Weather Management Plan

2. Consent Order Requirements

3. Public Participation and Agency Coordination

4. Characterization Report
   4.1 Sanitary Sewer System
      4.1.1 Localities Sanitary Sewer Systems
      4.1.2 HRSD Sanitary Sewer System
      4.1.3 Service Areas
      4.1.4 Historical Wastewater Flow Projections
   4.2 HRSD Wastewater Treatment Works
      4.2.1 North Shore Facilities
      4.2.2 South Shore Facilities

5. Planning Process
   5.1 Methodology
      5.1.1 Large Scale Strategies
      5.1.2 SSES Basins
      5.1.3 Wastewater Treatment Plant Wet Weather Optimization
   5.2 Sewer System Capacity Definitions

6. Population Forecasts
   6.1 Planning Horizon
   6.2 Population and Employment Forecasts

7. System Evaluation
   7.1 Model Framework
      7.1.1 Dry Weather Flow
      7.1.2 Wet Weather Flow
      7.1.3 Peak Flow Reductions Expected from Localities' Rehabilitation Plans
      7.1.4 Capacity Deficiencies
         7.1.4.1 Deficiencies in the Regional Sanitary Sewer System
         7.1.4.2 Deficiencies at the WWTPs
      7.1.5 Modeled Conditions
   7.2 Evaluation of Pump Stations, Main Trunk Sewers and Interceptors
      7.2.1 Pump Stations, Main Trunk Sewers/Interceptors Studied
      7.2.2 Level of Service Evaluation
      7.2.3 Peak Flow Events
      7.2.4 Methodology
      7.2.5 Identification of Hydraulic Deficiencies
7.3 Wastewater Treatment Plants
  7.3.1 Historical Flow Data
  7.3.2 Evaluation for Extreme Events
    7.3.2.1 Selection of Historical Events
    7.3.2.2 Projecting to Future Conditions
    7.3.2.3 Recurrence Frequency Analysis

7.4 SSES Basins Not Meeting Peak Flow Threshold
  7.4.1 Methodology
  7.4.2 Evaluation

  8.1 Large Scale Strategy Alternatives Evaluation and Selection
    8.1.1 North Shore
    8.1.2 South Shore
  8.2 Pump Stations, Main Trunk Sewers/Interceptors
    8.2.1 Analysis of 2, 5 and 10 year LOS
    8.2.2 LOS Selection for Pump Stations, Trunk Sewer/Interceptors
  8.3 SSES Basins Not Meeting Peak Flow Threshold
    8.3.1 Mitigation Options
      8.3.1.1 RDII Abatement Options
      8.3.1.2 Operational Alternatives
      8.3.1.3 Conveyance Options
      8.3.1.4 Storage Options
      8.3.1.5 Satellite Treatment
    8.3.2 Alternatives Analysis and Plan Selection

9. Wastewater Treatment Plant Alternatives
  9.1 Hydraulic Assessment
    9.1.1 North Shore
    9.1.2 South Shore
  9.2 Process Assessment
    9.2.1 North Shore
    9.2.2 South Shore

10. Optimization of Wet Weather Improvements
  10.1 Description of Large Scale Strategy Alternatives
  10.2 Sizing the Alternatives
  10.3 Scoring Alternatives
    10.3.1 Cost
    10.3.2 Constructability
    10.3.3 Operations and Maintenance
    10.3.4 Water Quality
    10.3.5 Local Impacts
    10.3.6 Risks
  10.4 Selection of the Preferred Alternatives

11. Summary of Wet Weather Management Plan Components
  11.1 Overview
  11.2 Capital Improvement Plans
  11.3 Operating Plans
  11.4 Program Summary
12. Cost Analysis, Implementation Schedule and Risk/Benefit Analysis
12.1 Program Overview
12.2 Risk/Benefit Analysis
12.3 Affordability Analysis
12.4 Prioritization of Improvements
12.5 Implementation Schedule
12.6 Operating Plans