



## **7 Draft Recommended Plan and Draft Environmental Impact Report Outline**

This Chapter provides an outline of the Draft Recommended Plan and Draft Environmental Impact Report.

### **Chapter 1 Introduction**

This chapter would review the project scope and background, and discuss the various steps the Town of Mashpee has taken regarding the regulatory and public review process.

### **Chapter 2 Summary of Previous Documents Prepared as Part of Mashpee's Watershed Nitrogen Management Plan (WNMP)**

This chapter would outline the various studies, memorandums, reports, and documents relative to the work performed on this project, including pilot project efforts, MEP model runs and reports, TMDLS, and the various reports prepared and submitted as part of this project.

### **Chapter 3 Public Participation and Outreach**

This chapter would elaborate on the public participation and outreach programs engaged in by the Mashpee Sewer Commission including their Citizens Advisory Committee (CAC), web page development, publicly televised Commission meetings, informational flyers that will have been developed and distributed as part of the project, and informational kiosks.

### **Chapter 4 Recommended Plan Framework (from ASAR)**

This chapter would summarize the items discussed in the ASAR and discuss Source Removal, Direct Environmental Mitigation, and Land Management Strategies for the development of the Recommended Plan, and identify those items screened from further consideration.

### **Chapter 5 Evaluation of Recommended Plan Variables**

This chapter would focus on discussion and description of the No Action Alternative, the previous MEP model run efforts, and comparisons on a monetary and non-monetary basis of various components that will make up the recommended plan, including:

- No Action Alternative
- Centralized vs. cluster developments
- Regional solutions
  - Use of MMR
  - Development of Memorandum of Understanding (MOU)
  - Potential joint/regional facilities within Mashpee
- Existing WWTFs
  - Upgrade or reconstruction/replacement of existing WWTF
  - Public versus private ownership and operations
- Traditional vs. Hybrid Solutions
  - Shellfish propagation
  - PRB use



- Bog and wetland restoration

## **Chapter 6 Environmental Impact Report**

This chapter will identify the potentially impacted resources and environments, and consider the impact of each of these variables in the development of the recommended plan.

## **Chapter 7 Recommended Plan**

This chapter will combine the findings of the Chapter 5 evaluation of variables with the Chapter 6 Environmental Impact Report results, and develop the Recommended Plan and its associated costs.

## **Chapter 8 Draft Section 61 Findings**

This chapter would discuss and summarize the Draft Section 61 Findings for State Agency Action. It will also identify planned mitigation measures, implementation schedule of these measures, and any associated costs not captured as part of the recommended plan.

## **Chapter 9 Phasing and Implementation**

This chapter will outline the phases of implementation of the plan over a 20- to 40-year planning period and summarize the estimated financial resources required to implement each phase. Phasing will be considered adjustable based on the implementation of Adaptive Management. Several pieces of the Recommended Plan will be integral parts of the Adaptive Management Plan as outlined in Chapter 11.

## **Chapter 10 Adaptive Management Plan Framework**

This chapter will summarize the framework of the Adaptive Management Plan that will need to be created as a follow-up to the development of the Recommended Plan. This chapter will also discuss various different efforts to reduce nitrogen loading that would be part of the Adaptive Management Plan of the Town to help mitigate the need for sewerage. These efforts would include those nontraditional methods as discussed in Chapter 5 such as:

- Shellfish propagation
- Bog restoration
- Waterless/Eco-toilets

And will discuss other features like:

- Water conservation
- Infiltration and Inflow reduction
- Stormwater mitigation
- Land management

## **Chapter 11 Next Steps**

Key steps in the facilities planning process that will help shape the recommended plan will be:

- Cape Cod Commission and MassDEP direction on the enforcement and permitting issues associated with the TMDLs, such that each Town within the Project Planning Area will have a clear understanding of their regulatory obligation and therefore will be able to create the



necessary structure to monitor, manage, and enforce TMDL compliance, whether that be through a Board of Health, Sewer Commission, Department of Public Works, Sewer Department, Sewer District, or other structure.

- Development of a monitoring program. Because the groundwater travel patterns and times and estuary flushing conditions are influenced by a number of factors, an appropriate plan will need to be developed by the towns and the regulatory agencies to monitor the effectiveness of the plan in meeting the TMDLs.
- Development of a flexible management approach that allows change based on the permitting and monitoring requirements identified above. As part of the WNMP, it is anticipated that a cost-effective approach to water quality improvement in the estuaries will be established, setting the framework of fiscally achievable goals with a long-term plan (likely greater than 20 years) to work towards TMDL compliance.
- Need to discuss ownership of collection systems, management options, development versus build-out impact on costs.
- Discuss cost of phasing and bonding in increments.

Other items to be prioritized include:

- The plan's funding mechanism
- Development of an Adaptive Management Plan and Long-Term TMDL Monitoring (fresh and salt water)
- Private Facilities Acquisition/Ownership/Operations/Maintenance
- Additional Effluent Disposal Site Evaluations (including outside of the PPA)
- Securing of facility, cluster, and PRB sites and pumping station locations
- Development of Sewer Regulations
- Development of Sewer Rate Structure
- Phosphorus Removal Considerations (upgradient of fresh water systems)
- Development of Town fertilizer regulations