



Town of Uxbridge – Comprehensive Wastewater Management Planning

Board of Selectmen Update No. 3

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November 10, 2014



Agenda

- Makeup of CWMP
- Needs Assessment Summary
- Progress Since Last Update
- Public Involvement / Public Participation



Comprehensive Wastewater Management Plan

Phase I – Needs Assessment

Phase II – Alternatives Evaluation

Phase III – Recommended Plan



Comprehensive Wastewater Management Plan

Phase I – Needs Assessment - This is the first phase of Comprehensive Wastewater Management Planning and it involves the initial assessment of the wastewater needs for the Town of Uxbridge.

Uxbridge's wastewater needs will be defined by identifying the Town goals for wastewater management, evaluating the existing conditions, reviewing regulatory requirements, developing projections of the future conditions, and then comparing these goals and conditions to the wastewater limitations in the Town.

Phase II – Alternatives Evaluation

Phase III – Recommended Plan



Comprehensive Wastewater Management Plan

Phase I – Needs Assessment

Phase II – Alternatives Evaluation - Once the needs are developed, alternative solutions will be identified. These solutions are then summarized and screened to retain only the most feasible ones. Feasible solutions (technical as well as management) are then grouped into alternative scenarios for detailed evaluation.

Phase III – Recommended Plan



Comprehensive Wastewater Management Plan

Phase I – Needs Assessment

Phase II – Alternatives Evaluation

Phase III – Recommended Plan – this will identify all recommendations from the Plan including what is required at the wastewater treatment facility to meet the new permit.



Needs Assessment

- Available on the CWMP web site (DPW)
- Broken up into six chapters
 - 1. Introduction - review purpose, scope, planning period and organization of Needs Assessment
 - 2. Background – reviews data used for the report including reports and maps
 - 3. Regulatory Issues – Discussion of local, state and federal regulatory issues
 - 4. Existing Environmental Resources and Demographics – review of natural resources, land use and zoning and town demographics
 - 5. Existing water and wastewater infrastructure – review of centralized WWTF, collection system, on site septic systems, etc
 - 6. Needs Assessment – using data above, this section establishes the need for sewer extensions due to environmental conditions or failed septic systems



Needs Assessment

	Study Area 1	Study Area 2	Study Area 3
Known Conditions			
Concentrated areas of Title 5 inspection failures			
Septic system failures indicated by multiple pump-outs			
Impaired groundwater quality			
General Indicators			
Sub-optimal soil drainage class	X	X	X
High groundwater areas	X	X	X
100 Year flood zone	X	X	X
Depth to bedrock	X	X	X
Lot size	X	X	X
Unsewered properties within drinking water protection area		X	X
Unsewered properties within buffer areas around water bodies and wetlands	X	X	X
Properties within priority estimated habitat areas ACECs			



Needs Assessment

Conclusions:

Evaluation found no concentrated, problematic areas for on-site wastewater disposal. Although general indicators exist in all study areas for locations that may be problematic for on-site wastewater disposal sites, known conditions such as septic system failures and impaired groundwater quality did not indicate any portions of the Town that would be unsuitable for on-site wastewater disposal systems.

The existing centralized WWTF has shortcomings that will be evaluated in Phases II and III.



Progress Since Last Update

- We have been and will continue to meet on an approximately monthly basis with the Department of Public Works and CWMP Advisory Group
- On August 8, we met with DEP Central Region and DEP State Revolving Fund (SRF) Program representatives to review progress and discuss consistency with funding requirements
- In October, we received DEP approval of a Plan of Study (submitted in March, 2014)
- Completed draft of Phase I Needs Assessment; submitted to DEP
- Phases II and III of the CWMP process are well underway



Public Involvement/ Public Participation

Event	Date
Board of Selectmen Meeting	March 24, 2014
Planning Board	June 11, 2014
Board of Selectmen Meeting	July 28, 2014
Board of Selectman Meeting	November 10, 2014
Board of Selectman Meeting	TBD

- The CWMP Advisory Group will continue the project
- Approval of the CWMP is critical to remain on schedule – public notification of this process is critical
- Web Site



Project Web Site

The screenshot shows the website for Uxbridge, Massachusetts, with a green header and a dark red navigation bar. The main content area is titled "Project Reference Documents" and includes a "Printer-Friendly Version" link. It features three tables: "Permit Documents", "Presentations", and "CWMP Chapters".

Uxbridge MASSACHUSETTS [Search]

HOME ABOUT UXBRIDGE DEPARTMENTS BOARDS & COMMITTEES FOR BUSINESS

Project Reference Documents
[Printer-Friendly Version](#)

TOWN RESOURCES

- Phone Directory
- Reports & Budgets
- Charter & Bylaws
- Town Meeting
- Town Calendar
- Minutes & Agendas
- Local Events

QUICK LINKS

- Donations
- Library
- Public Schools
- GIS Maps
- Cable Access
- Subscribe to E-Alerts
- Employment & Volunteer
- Zoning Map

Permit Documents

Name	Description
Consent Order	Consented to Interim discharge limits and reporting document
Final Discharge Permit	USEPA Final Discharge permit

Presentations

Title	Description
BOS Preliminary Study	Presentation to BOS outlining findings from Preliminary Study
BOS Update 2014-03-24	Presentation to BOS on Status of planning effort
Planning Board Update 2014-06-11	Presentation to Planning Board on Status of planning effort
BOS Update 2014-07-28	Presentation to BOS on Status of planning effort

CWMP Chapters

Name	Description
Needs Assessment	Draft - Uxbridge Needs Assessment Completed

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http://www.uxbridge-ma.gov/Pages/UxbridgeMA_DPW/UxbridgeCWMP/ProjDocuments





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