

ROCKINHAM PLANNING COMMISSION  
TECHNICAL FEASIBILITY BRAINSTORMING SESSION  
FEBRUARY 17, 2012

TASK 1 TECHNICAL FEASIBILITY ISSUES  
COLLABORATION ON POTABLE WATER

Question: Does Exeter have sufficient water to meet Stratham's needs with its existing Surface Water Plant?

Technical Resources:

Town of Exeter Water Supply Alternatives Study, Weston and Sampson, January 2010  
Stratham Fire Suppression and Potable Water Supply Study, Wright Pierce, May 2010

Question: Would Exeter have sufficient water to meet Stratham's needs after the proposed Groundwater Plant gets built?

Technical Resources:

Town of Exeter Water Supply Alternatives Study, Weston and Sampson, January 2010  
Stratham Fire Suppression and Potable Water Supply Study, Wright Pierce, May 2010

Question: Can an interconnection for potable water be built? Where would it be located? What would it include? (i.e., valve vault, meter vault, etc)

Technical Resources:

Meeting notes from Exeter / Stratham community meeting, October 7, 2010.  
Information on the location and size of the pipe sleeves installed beneath Route 101 (This information is requested)

Question: Would the hydraulic grade lines required for the two towns be compatible?

Technical Resources:

Exeter water distribution pressure data and distribution model results (This data is requested)  
Stratham Fire Suppression and Potable Water Supply Study, Wright Pierce, May 2010  
Stratham Ground Water Supply Investigation Study, Wright Pierce, March 2011

Question: Are any distribution system or lift pump upgrades required in Exeter to convey the necessary water to Stratham?

Technical Resources:

Exeter water distribution hydraulic model results (This data is requested)

Question: Is additional distribution system storage required if Exeter supplies Stratham? Where would it be located?

Technical Resources:

Exeter water distribution hydraulic model results (This data is requested)  
Stratham Fire Suppression and Potable Water Supply Study, Wright Pierce, May 2010  
Stratham Ground Water Supply Investigation Study, Wright Pierce, March 2011

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TASK 1 TECHNICAL FEASIBILITY ISSUES  
COLLABORATION ON WASTEWATER

Question: Does Exeter have sufficient wastewater plant capacity to meet Stratham's needs?

Technical Resources:

Exeter wastewater current influent flow data (This data is requested)  
Exeter WWTF flow projections (This data is requested)

Question: If not, would it be possible to amend the WWTF NPDES permit to increase the permitted capacity?

Technical Resources:

Feedback from DES and US EPA on the potential ramifications of this course of action (This data is requested)

Question: Can sufficient plant capacity be created through aggressive infiltration and inflow (I/I) Removal?

Technical Resources:

Results of Exeter's I/I Investigations (This data is requested)

Question: Can an interconnection wastewater be built? Where would it discharge? Where would it be located? What would it include? (i.e. pump station, meter station, force main, inverted siphon?)

Technical Resources:

Limited investigation of alternatives to date.

Question: Are any collection system upgrades required in Exeter to convey Stratham's wastewater to the WWTF?

Technical Resources:

Exeter Collection System capacity information (This data is requested)  
Sewer Map (This data is required)  
Results of Exeter's I/I Investigations (This data is requested)

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TASK 1 TECHNICAL FEASIBILITY ISSUES  
STRATHAM'S WATER AND WASTEWATER NEEDS

POTABLE WATER

Question: Can a potable water source for Stratham be permitted and built?

Technical Resources:

Stratham Fire Suppression and Potable Water Supply Study, Wright Pierce, May 2010  
Stratham Ground Water Supply Investigation Study, Wright Pierce, March 2011

Question: Can a potable water distribution system for Stratham be permitted and built?

Technical Resources:

Stratham Fire Suppression and Potable Water Supply Study, Wright Pierce, May 2010  
Stratham Ground Water Supply Investigation Study, Wright Pierce, March 2011

Question: Will a storage tank be needed for the potable water system? Where will it be located?

Technical Resources:

Stratham Fire Suppression and Potable Water Supply Study, Wright Pierce, May 2010  
Stratham Ground Water Supply Investigation Study, Wright Pierce, March 2011

WASTEWATER

Question: Can a wastewater treatment plant for Stratham be permitted and built?

Technical Resources:

Stratham Wastewater Management Concept Plan Preliminary Report, Wright Pierce, May 2011

Question: Can a wastewater collection system for Stratham be permitted and built?

Technical Resources:

Stratham Wastewater Management Concept Plan Preliminary Report, Wright Pierce, May 2011

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TASK 1 TECHNICAL FEASIBILITY ISSUES  
EXETER'S WATER AND WASTEWATER NEEDS

POTABLE WATER

Question: Does Exeter have sufficient potable water? Is additional water, such as that from the proposed Groundwater Plant, needed to supplement the existing water supplies?

Technical Resources:  
Town of Exeter Water Supply Alternatives Study, Weston and Sampson, January 2010  
Town of Exeter Water Efficiency and Management Plan Draft, Weston and Sampson, May 2011

Question: Is Exeter's water meeting required Water Quality Standards or are additional upgrades needed?

Technical Resources:  
Town of Exeter Water Supply Alternatives Study, Weston and Sampson, January 2010  
Town of Exeter Water Treatment Facility Desktop Study, Weston and Sampson, January 2011

Question: Is Exeter's potable water distribution system and existing water storage sufficient to deliver required water volumes to the Town?

Technical Resources:  
Exeter water distribution hydraulic model results (This data is requested)

WASTEWATER

Question: Does Exeter's wastewater treatment plant have sufficient capacity for the Town? Will it be upgraded to meet the proposed NPDES permit limits?

Technical Resources:  
Exeter wastewater current influent flow data (This data is requested)  
Exeter WWTF flow projections (This data is requested)

Question: Are ongoing improvements needed to Exeter's wastewater collection system to address I/I and Combined Sewer Overflow (CSO) issues?

Technical Resources:  
Exeter Collection System capacity information (This data is requested)  
Sewer Map (This data is requested)  
Results of Exeter's I/I Investigations (This data is requested)