



TOWN OF MANSFIELD
TOWN COUNCIL MEETING
MONDAY, September 25, 2006
COUNCIL CHAMBERS
AUDREY P. BECK MUNICIPAL BUILDING
7:30 p.m.

AGENDA

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CALL TO ORDER	
ROLL CALL	
APPROVAL OF MINUTES	1
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EXECUTIVE SESSION

REGULAR MEETING-MANSFIELD TOWN COUNCIL

September 11, 2006

Mayor Elizabeth Paterson called the regular meeting of the Mansfield Town Council to order at 7:30 p.m. in the Council Chambers of the Audrey P. Beck Building.

I. ROLL CALL

Present: Blair, Clouette, Haddad, Hawkins, Paterson, Paulhus, Redding (arrived 7:40 p.m.), Schaefer

Absent: Koehn

II. APPROVAL OF MINUTES

Mr. Hawkins moved and Ms. Blair seconded to approve the August 28, 2006 minutes and the minutes of the September 5, 2006 Special meeting.
Motion so passed.

III. MOMENT OF SILENCE

Mr. Haddad encouraged the Council to remember the language that was originally approved for the moment of silence. "Moment of silence to observe all US and allied military personnel killed in Iraq, Afghanistan or supporting US Military strategy elsewhere."

Ms. Blair expressed interest in extending the wording to include all those serving in the military.

Mr. Schaefer noted that individual Council members should do what they want as it is an intensely private act.

Mayor Paterson will return to the original language until the Council decides differently.

IV. OPPORTUNITY FOR PUBLIC TO ADDRESS THE COUNCIL

No Comments

V. OLD BUSINESS

1. Fenton River

No action

2. Community/Campus Relations

Mayor Paterson reported that during the last weekend there were two serious events in town, a hit and run accident on Hunting Lodge Road and

the threatening use of a firearm at Knollwood Acres. She noted that the Police are working overtime and are stretched thin. The Mayor is convening a meeting of interested parties to discuss possible solutions.

Mr. Schaefer asked the Town Manager to investigate whether or not some of the previously owned UConn houses on Hillside Circle have a provision in the deed that states that they must be owner occupied. If this is true Mr. Schaefer requested that the UConn Board of Trustees be encouraged to enforce the provision.

3. Open Space Acquisition – Meadowbrook Lane LLC Property on Puddin Lane

The Town Manager reported that the property will be appraised and then be considered by the Council.

4. \$200,000 Community Center Gymnasium Air Conditioning Project; \$1,000,000 Land Acquisition Program; \$3,800,000 Middle School Electrical Heating System Conversion Project.

Mr. Haddad moved and Mr. Hawkins seconded, effective September 11, 2006, to refer the \$200,000 Community Center Gymnasium Air Conditioning Project, the \$1,000,000 Land Acquisition Program and the \$3,800,000 Middle School Electrical Conversion Project to the Planning and Zoning Commission for review under Section 8-24 of the Connecticut General Statutes.

Motion so passed.

VI. NEW BUSINESS

5. Financial Statements Dated June 30, 2006

Mr. Paulhus moved and Mr. Clouette seconded, effective September 11, 2006, to refer the Financial Statements Dated June 30, 2006 to the Finance Committee.

Motion so passed.

6. Proposed Tree Removal on Summit Road

Mr. Clouette moved and Mr. Hawkins seconded, effective September 11, 2006, to authorize pursuant to the provisions of Mansfield's Scenic Road Ordinance the removal of a wild cherry tree adjacent to the Stowell driveway at 21 Summit Road.

Motion so passed.

VII. DEPARTMENTAL REPORTS

VIII. REPORTS OF COUNCIL COMMITTEES

IX. REPORTS OF COUNCIL MEMBERS

Mr. Paulhus reported that citizens at the Know Your Town Fair commented favorably on the brochure prepared by staff outlining the referenda questions.

Mr. Schaefer reported that in a study of students who applied to UConn and 5 other schools one of the biggest drawbacks for UConn is that it is isolated and students feel that there is nothing to do. He noted that this type of information is galvanizing University support for the Downtown Partnership.

Mayor Paterson reminded members that this weekend is the Festival on the Green and Celebrate Mansfield, commencing with fireworks on Saturday evening.

X. TOWN MANAGER'S REPORT

At the October 3, 2006 Planning and Zoning Commission meeting, UConn personnel will be there to update the Commission on water supply issues.

On September 18, 2006 there will be a joint meeting of the Board of Education, the Building Committee and the Town Council

The Charter Revision will meet on September 12, 2006 at 7:00 p.m.

The Campus Community Partnership will meet on September 13, 2006 at 12:30 p.m. in the Community Center.

XI. FUTURE AGENDAS

XII. PETITIONS, REQUEST AND COMMUNICATIONS

7. R. Miller re: Four Corners Area Drinking water Well Monitoring Update
8. J. O'Keefe re: Mansfield Community Center Annual Maintenance Week
9. G. Padick re: an Act Concerning Notice Requirements for Land Use Applications
10. G. Padick re: July 1, 2006 Mansfield Population Estimate

XIII. EXECUTIVE SESSION

XIV. ADJOURNMENT

Ms. Blair moved and Mr. Paulhus seconded to adjourn the meeting at 8:13 p.m.

Motion so passed.

Elizabeth Paterson, Mayor

Mary Stanton, Town Clerk



**Town of Mansfield
Agenda Item Summary**

To: Town Council
From: *Martin Berliner*
Martin Berliner, Town Manager
CC: Matt Hart, Assistant Town Manager; Mary Stanton, Town Clerk
Date: September 25, 2006
Re: Appointment of Town Manager

Subject Matter/Background

With my decision to end my active employment with the Town of Mansfield effective October 3, 2006, I ask that the Town Council authorize Matt Hart to officially begin his service as Town Manager the following day, and that the Town Clerk administer the oath of office to Matt at next Monday's Council meeting.

Recommendation

If the Town Council supports this recommendation, the following motion is in order:

Move to authorize Matthew W. Hart to begin his service as Town Manager of the Town of Mansfield on October 4, 2006, and to implement his employment agreement with the Town on that date.

PAGE
BREAK



**Town of Mansfield
Agenda Item Summary**

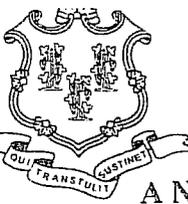
To: Town Council
From: Matt Hart, Assistant Town Manager *MH*
CC: Martin Berliner, Town Manager
Date: September 25, 2006
Re: Fenton River

Subject Matter/Background

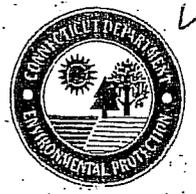
I have attached for your information recent correspondence regarding the Fenton River and the University of Connecticut's water and wastewater systems. At this time, the Town Council does not need to take any action on this item.

Attachments

- 1) State of Connecticut Department of Environmental Protection re: Notice of Tentative Determination Intent to Renew a National Pollutant Discharge Elimination System Permit for the Following Discharge into the Water of the State of Connecticut
- 2) September 14, 2006 Agenda Packet of the University of Connecticut Water & Wastewater Policy Advisory Committee



STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION



NOTICE OF TENTATIVE DETERMINATION INTENT TO RENEW
A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT
FOR THE FOLLOWING DISCHARGE
INTO THE WATERS OF THE STATE OF CONNECTICUT

TENTATIVE DETERMINATION

The Commissioner of Environmental Protection hereby gives notice that the Department has made a tentative determination to renew a permit based on an application submitted by the **University of Connecticut** ("the applicant") under Section 22a-430 of the Connecticut General Statutes for a permit to discharge into the waters of the state.

In accordance with applicable federal and state law, the Commissioner has made a tentative determination that the existing system to treat the discharge will protect the waters of the state from pollution, and the Commissioner proposes to re-issue a permit for this discharge to the Willimantic River.

The proposed permit, if issued by the Commissioner, will require that all wastewater be treated to meet the applicable effluent limitations with periodic monitoring to demonstrate that the discharge will not cause pollution.

APPLICANT'S PROPOSAL

University of Connecticut proposes to discharge up to an annual average daily design flow of 3.0 million gallons per day of advanced treated wastewaters to the Willimantic River.

The name and mailing address of the permit applicant are: University of Connecticut, 31 LeDoyt Road, Box U-38 Storrs, CT 06268. The proposed activity will take place at the campus of the University of Connecticut, 31 LeDoyt Road, Storrs, CT with a discharge located 75 feet south of the Eagleville Pond Dam.

REGULATORY CONDITIONS

Type of Treatment

Advanced treatment, ammonia removal and seasonal chlorine disinfection.

Effluent Limitations

This permit contains effluent limitations consistent with advanced treatment pursuant to Section 22a-430-4(r) of the Regulations of Connecticut State Agencies (RCSA) and Waste Load Allocation for the Willimantic River that meet Connecticut's Water Quality Standards.

In accordance with Section 22a-430-4(l) of the Regulations of Connecticut State Agencies the permit contains effluent limitations for the following: Biochemical Oxygen Demand (5 day), chlorine, cyanide, fecal coliform, flow, pH, copper, total suspended solids and zinc.

COMMISSIONER'S AUTHORITY

The Commissioner of Environmental Protection is authorized to approve or deny such permits pursuant to (1) Section 402(b) of the Federal Water Pollution Control Act, as amended, 33 USC

1251, et. seq. and (2) Section 22a-430 of the Connecticut General Statutes and the Water Discharge Permit Regulations (Section 22a-430-3 and 4 of the RCSA).

INFORMATION REQUESTS

The application has been assigned the following numbers by the Department of Environmental Protection. Please use these numbers when corresponding with this office regarding this application.

APPLICATION NO. 200501343 PERMIT ID NO. CT0101320 FACILITY ID NO. 078-005

Interested persons may obtain copies of the application from Ken Pelzar, 31 Le Doyt Road, Box U-38, Storrs, CT, 06268.

The application is available for inspection by contacting Iliana Ayala at the Department of Environmental Protection, Bureau of Water Protection and Land Reuse, 79 Elm Street, Hartford, Connecticut, 06106-5127 from 8:30 - 4:30, Monday through Friday.

Any interested person may request in writing that his or her name be put on a mailing list to receive notice of intent to issue any permit to discharge to the surface waters of the state. Such request may be for the entire state or any geographic area of the state and shall clearly state in writing the name and mailing address of the interested person and the area for which notices are requested.

PUBLIC COMMENT

Prior to making a final decision to approve or deny any application, the Commissioner shall consider written comments on the application from interested persons which are received within 30 days of this public notice. Written comments should be directed to Iliana Ayala, Water Management, Department of Environmental Protection, Bureau of Water Protection and Land Reuse, 79 Elm Street, Hartford, Connecticut, 06106-5127. The Commissioner may hold a hearing on this application if the Commissioner determines there is significant public interest in the application, and shall hold a public hearing if the Commissioner receives a petition signed by twenty-five or more persons. Notice of any public hearing shall be published at least 30 days prior to the hearing.

Dated: **AUG 31 2006**



Betsy Wingfield
Bureau Chief
Bureau of Water Protection and Land Reuse.

AGENDA

Meeting of the

UNIVERSITY OF CONNECTICUT WATER & WASTERWATER POLICY ADVISORY COMMITTEE

Thursday, September 14, 2006 at 5:30 PM
University of Connecticut
Room 146, Bishop Center

ATTACHMENT

- 1) Opportunity for Public Comment

ACTION ITEMS

- 2) Approval of Minutes of May 22, 2006 meeting 1
- 3) Review and Possible Endorsement of University of Connecticut Sewer System Rules and Regulations 2

INFORMATION AND DISCUSSION

- 4) Water System Operations, Management and Maintenance Contract 3
- 5) Status of Water & Wastewater Master Planning Process 4
- 6) Recent Water System Improvements 5
- 7) Status of Systems Connections Requests Discussion
- 8) Proposed Memorandum of Understanding between the University of Connecticut and the Connecticut Water Planning Council 6
- 9) 2004-2009 Water Supply Plan Approval 7
- 10) Fenton River Aquatic Habitat Study Approval 8
- 11) University of Connecticut Water Systems 2005 Consumer Confidence Report 9
- 12) University of Connecticut Water System Update Fall 2006 10

OTHER BUSINESS

ADJOURNMENT

DRAFT

University of Connecticut Water/Wastewater Systems Policy Advisory Committee

Meeting Notes/Summary

May 22, 2006

Gulley Hall

University of Connecticut

The meeting was convened at 1:05 PM.

Members in attendance: E. Roberts, J. Bradley, R. Miller, S. Miller, L. Teal; M. Berliner; E. Pelletier

Also attending were T. Callahan and T. Tussing.

1. Adoption of Committee Mission and Charter

The Committee reviewed and discussed Attachment 1, the draft UConn Water/Wastewater Advisory Committee Mission and Charter. Upon discussion, the Committee adopted the charter after agreeing to incorporate the following changes:

Add the Mansfield Director of Planning to the Advisory Committee member.
Add guidance of the system master planning efforts to the Committee's charge

In addition, the Committee agreed to publicly notice future meetings, provide notice of future committee meetings to local watershed groups and other interested parties; locate future meetings in publicly accessible university locations; provide opportunities for public comment at each meeting; and, post meeting agendas and minutes on the Facilities Operations website.

2. Water/Wastewater Systems Master Plan

The Committee reviewed and discussed Attachment 2, the proposed Water/Wastewater Systems Master Plan Scope Outline. The Committee endorsed the document. Callahan indicated that Connecticut Department of Public Health staff had endorsed the scope outline and was preparing a revised consent order to reflect the changes. The Mansfield Town Council is expected to consider endorsing the document, including a commitment to partially underwrite the expenses in June.

3. Water System Rules and Regulations

Mr. Callahan indicated that New England Water Utilities Services (NEWUS) had been asked to draft appropriate Rules and Regulations for the University Water

Supply System. Standard Rules and Regulations governing the duties, rights and responsibilities of the water provider and user are consistently part of the operating framework for other water supply systems. The Committee endorsed the establishment of a uniform set of rules and regulations. Mr. Callahan asked Committee members to review the documents and notify him of any specific suggested changes as soon as possible.

4. Requests for Water and Wastewater Services

Mr. Callahan reviewed the contents of Attachments 4-6 that related to requests for connections to the University water and wastewater services for Carriage House Apartments, Keystone/Hunting Lodge Road and Knollwood Apartments respectively. After discussion the Committee concurred with the following recommendations:

- A. Carriage House: Recommend declination of request for connection to water supply system.
- B. KeyStone/Hunting Lodge Road: Recommend connection to water and wastewater systems subject to certain conditions identified by UConn's Utilities management staff.
- C. Knollwood Apartments: Recommend connection to the University's wastewater system subject to certain conditions identified by UConn's utilities management staff and Town of Mansfield's engineering staff.

Mr. Callahan informed the Committee that the University's Board of Trustees authorized the administration to enter into formal agreements with Storrs Center Alliance for the provision of water and wastewater services for the Storrs Center project at its May 15, 2006 meeting.

5. Projected Future Demands for Water Supply Services

The Committee reviewed and briefly discussed a section of the University's Water Supply Plan outlining project demand for the period through 2009.

6. Update of Significant Projects and Initiatives

Mr. Callahan provided brief updates to Committee members regarding the current status of the following projects and initiatives:

- A. *Water Supply System Management & Operations Contract*: NEWUS interim contract due to expire on June 30th. Procurement process for long-term contract (2 year term with 2 one year options to renew) is proceeding well and a new contract should be in place by July 1, 2006.

- B. *Infrastructure Conditions Analysis*: UConn has retained ISES to conduct an existing conditions analysis of the Storrs and Depot campuses infrastructure systems. Water and wastewater systems evaluation will be completed by August 1st and be used to inform the master planning process.
- C. *Infrastructure Repair and Investments*: Significant transmission line and pump improvements have been made in the Willimantic system and are scheduled to be completed by the end of June. Significant improvements have been completed on the Fenton River well meters and flowmeters. USGS proposals to install stream gauges for both the Willimantic and Fenton systems have been received and soon requisitioned.
- D. *Water Supply Plan*: DPH is completing its review and is expected to approved the University water supply plan soon.
- E. *Fenton River Aquatic Habitat Streamflow Study*: Submitted to OPM in February. Review is expected to be completed soon.

7. FY07 Water/Wastewater Rates

Mr. Callahan noted that the University administration is considering modifying its rate structure for off-campus metered users to eliminate its current bloc pricing system in favor of a single rate. The objectives of the proposed change are to encourage conservation by eliminating the pricing preference given to greater consumption and to increase revenues to partially finance important system improvements. Mr. Callahan further noted that both public and private water supply systems are eliminating bloc pricing in favor of a single rate. The Committee endorsed the approach and Mr. Callahan said he would report back to the Committee on progress made toward this goal at its next meeting.

There being no other business for consideration, the Committee adjourned at 3:00 PM

**THE UNIVERSITY OF CONNECTICUT
SEWER SYSTEM**

RULES AND REGULATIONS

As Approved By _____

Effective Date: _____

RULES AND REGULATIONS
OF
THE UNIVERSITY OF CONNECTICUT SEWER SYSTEM

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I. Intent

In order to insure the proper removal and disposal of sewage within the geographic region supplied by the University of Connecticut's ("Supplier") Sewer Service and System; to insure the proper operation and maintenance and the protection of the Sewer System of the University of Connecticut; and to provide for the keeping of adequate records and for the reasonable and proper supervision of the use and operation of such Sewer System of the University of Connecticut, these rules and regulations are enacted, regulating and controlling the substances which may be discharged directly or indirectly into the Sewer System of the University of Connecticut and regulating and providing for the construction and maintenance of inspection, protective and treatment devices and facilities.

II. Definitions

"BOD" (denoting Biochemical Oxygen Demand) shall mean the quantity of oxygen utilized in the biochemical oxidation of organic matter under standard laboratory procedure in five days at 20°C, expressed in milligrams per liter (mg/l).

"COD" (denoting Chemical Oxygen Demand) shall mean the measure of the oxygen equivalent, expressed in milligrams per liter (mg/l) of that portion of the organic matter in a sample that is susceptible to oxidation.

"Customer" shall mean the person in contract with the Supplier for Sewer Services

"Garbage" shall mean solid wastes from the domestic and commercial preparation, cooking, and dispensing of food and from the handling, storage, and sale of produce.

"Industrial Wastes" shall mean the liquid wastes from industrial manufacturing processes, trade, or business as distinct from sanitary sewage.

"Natural Outlet" shall mean any outlet into a Watercourse, pond, ditch, lake or other body of surface or groundwater.

"Owner" shall mean the person or persons having title to the property to be served by a sewer.

"Person" shall mean any individual, firm, company, association, society, corporation or group.

"pH" shall mean the logarithm of the reciprocal of the weight of hydrogen ions in miles per liter of solution.

"Sanitary Sewer" shall mean a sewer which carries sewage and to which storm, surface, and groundwater are not intentionally admitted.

"Sewage" shall mean domestic sewage consisting of water and human excretions or other waterborne wastes incidental to the occupancy of a residential building or a non-residential, as may be detrimental to the public health or the environment, but not including manufacturing process water, cooling water, waste water from water softening equipment, blow down from heating and cooling equipment, water from cellar or floor drains or surface water from roofs, paved surface or yard drains.

"Sewer" shall mean a pipe or conduit for carrying sewage.

"Sewer Drain" shall mean that part of the lowest horizontal piping of a drainage system which receives the discharge from soil, waste, and other drainage pipes inside the walls of the building and conveys it to the Sewer Lateral, beginning five feet from the inner face of the building wall.

"Sewer Extension" shall mean the connecting pipes, if necessary, between Sewer Lateral and the Supplier Connection.

"Sewer Lateral" shall mean the extension from the sewer drain to the Sewer Extension, Supplier Connection, or other place of disposal.

"Sewer Service" shall mean the entire sewage disposal system operated by Supplier to provide sewage disposal to Customer.

"Sewer System" shall mean all facilities for collecting, pumping, treating, and disposing of sewage provided by Supplier to provide Sewer Services.

"Shall" is mandatory; "May" is permissive.

"Slug" shall mean any discharge of water, sewage or industrial waste which in concentration of any given constituent or in quantity of flow exceeds for any period of duration longer than 15 minutes more than five times the average 24 hour concentration of flows during normal operation.

"Storm Drain" (sometimes termed "Storm Sewer") shall mean a pipe or conduit which carries storm and surface waters and drainage, but excludes sewage and industrial wastes.

"Supplier" shall mean and refer to the University of Connecticut in its capacity as provider of Sewer Services through its Sewer System.

"Supplier Connection" shall mean the Supplier's main sewer connection to the Sewer Lateral, or to the Sewer Extension if necessary, including all piping and drainage necessary to effectuate a connection to the Supplier's existing Sewer System.

"Suspended Solids" shall mean solids that either float on the surface of, or are in suspension in water, sewage, or other liquids, and which are removable by laboratory filtering.

"Watercourse" shall mean a channel in which a flow of water occurs, either continuously or intermittently.

III. Sewer Laterals and Connections

- (a) Every person desiring to obtain sewage services from the University must submit an application and receive a permit for construction of necessary sewer pipelines and equipment. Such application is attached as [Exhibit A].
- (b) After a permit has been issued, all costs and expenses incident to the installation and connection of the Sewer Lateral to the Supplier Connection, shall be borne by the Owner including indemnifying the Supplier for any loss or damage that may directly or indirectly be occasioned by the installation of the Sewer Lateral.
- (c) If it is necessary for a Sewer Extension to be installed, such cost of installation shall be borne by the Owner, but such Sewer Extension, upon being hooked up to the Supplier Connection, will be owned, operated and maintained by the Supplier.
- (d) The Owner shall notify the Supplier when the Sewer Lateral is ready for inspection and connection to the Supplier Connection. The actual connection shall only be made under the supervision of an employee of the Supplier.
- (e) A separate and independent Sewer Lateral shall be provided for every building; except where one building stands at the rear of another on the interior lot and no private sewer is available or can be constructed to the rear building, the Sewer Lateral from the front of the building may be extended to the rear building and the whole considered one Sewer Lateral.

- (f) The size, slope, alignment, materials of construction of a Sewer Lateral, and the methods to be used in excavating, placing of the necessary pipes, jointing, testing, and backfilling the trench, shall all conform to the requirements of building and plumbing codes in effect in the State of Connecticut, in the town in which the Sewer Lateral is installed, and to the applicable rules and regulations of the Supplier.

[A SECTION CAN BE ADDED ESTABLISHING SPECIFICATIONS FOR BUILDING SEWER LATERALS IF DESIRED]

IV. Use of Sewers; Prohibited Waste

- (a) No unauthorized person shall uncover, make any connections with or opening into, discharge any waste into, alter or disturb any Supplier Sewer System or appurtenance thereof without first obtaining a written permit from the Supplier.
- (b) Any person proposing a new discharge into the system or a substantial change in the volume or character of pollutants that are being discharged into the system shall notify the Supplier at least thirty (30) days prior to the proposed change or connection.
- (c) No person shall make sewer connections of roof downspouts, exterior foundation drains, areaway drains, yard drains, or other sources of surface runoff or groundwater to a Sewer Lateral or sewer drain which is connected to the Supplier Connection at some point.
- (d) No person shall discharge or cause to be discharged any storm water, surface water, ground water, cellar drainage, roof runoff, subsurface drainage, or uncontaminated cooling water, or grease from a commercial facility to any sanitary sewer.
- (e) Storm water, uncontaminated cooling water, and all other unpolluted drainage shall be discharged to such pipes or conduits as are specifically designated as a Storm Drain, or to an approved natural outlet approved by the Town of Mansfield.
- (f) No person shall discharge or cause to be discharged any of the following described waters or wastes to any public sewer:
 - (1) Any gasoline, kerosene, alcohol, formaldehyde, benzene, naphtha, fuel oil, or other flammable or explosive liquid, solid, or gas, or any solid, liquid, or gas which by interaction with other substances may cause fire or explosion hazards.

- (2) Any waters or wastes containing toxic or poisonous solids, liquids, or gases in sufficient quantity either single or by interaction with other wastes, to injure or interfere with any sewage treatment process, constitute a hazard to humans or animals, create a public nuisance, or create any hazard in the receiving waters of the sewage treatment plant.
 - (3) Any waters or wastes having a pH lower than 6.0 or greater than 9.0 having any other corrosive property capable of causing damage or hazard to the sewage works, or personnel of the sewage works.
 - (4) Solid or viscous substances in quantities or of such size capable of causing obstruction to the flow in sewers, or other interference with the proper operation of the sewage works such as but not limited to sand, mud, straw, shavings, metal, glass, rags, feathers, ashes, cinders, tar, plastics, wood, unground garbage, whole blood, paunch manure, hair and fleshings, entrails and paper dishes, cups, grease, milk containers, etc., either whole or ground by garbage grinders.
- (g) No person shall discharge or cause to be discharged the following described substances, materials, water, or wastes if it appears likely, in the opinion of the Supplier, that such wastes can harm either the sewers, sewage treatment process or equipment, have an adverse effect on the receiving stream, or can otherwise endanger life, limb, public property, or constitute a nuisance. In forming an opinion as to the acceptability of these wastes, the Supplier will give consideration to such factors as the quantities of subject wastes in relation to flows and velocities in the sewers, materials of construction of the sewers, nature of the sewage treatment process, capacity of the sewage treatment plant, degree of treatability of wastes in the sewage treatment plant, and other pertinent factors. The substances prohibited are:
- (1) Any liquid or vapor having a temperature higher than 150° F.
 - (2) Any water or waste containing fats, wax, grease, or oils, whether emulsified or not, in excess of 100 mg/l or containing substances which may solidify or become viscous at temperatures between 32 ° and 150° F.
 - (3) Any garbage that has not been properly shredded. The installation and operation of any garbage grinder equipped with a motor of three-fourths horsepower or greater shall be subject to review and approval of the Supplier.

- (4) Any waters or wastes containing strong acids, pickling wastes, concentrated plating solutions and/or subsequent plating rinses whether neutralized or not.
- (5) Any waters or wastes which are listed as hazardous materials by the Environmental Protection Agency.
- (6) Any waters or wastes containing phenols or other taste-or odor producing substances, in such concentrations exceeding limits which may be established by the Supplier as necessary, after treatment of the composite sewage, to meet the requirements of the State, Federal, or other public agencies.
- (7) Any radioactive wastes or isotopes of such half-life or concentration as may exceed limits established by the Supplier in compliance with applicable State or Federal Regulations.
- (8) Materials which exert or cause:
 - (i) Concentrations of inert Suspended Solids (such as, but not limited to, Fullers earth, lime slurries and lime residues) or of dissolved solids (such as, but not limited to, sodium chloride, and sodium sulfate) in excess of 350 mg/l.
 - (ii) Excessive discoloration (such as but not limited to dye wastes and vegetable tanning solutions).
 - (iii) A BOD in excess of 300 mg/l or a COD in excess of 600 mg/l or a chlorine requirement in excess of 15 mg/l or in such quantities as to constitute a significant load on the wastewater plant.
 - (iv) Unusual volume of flow or concentration of wastes constituting Slugs, including backwash from swimming pools.
- (9) Waters or wastes containing substances which are not amenable to treatment or reduction by the sewage treatment processes employed, or are amenable to treatment only to such degree that the sewage treatment plant effluent cannot meet the requirements of other agencies having jurisdiction over discharge to the receiving waters.

- (10) Privy, septic tank or cesspool wastes. However the Supplier shall require haulers to discharge at a designated facility if one is developed within the Town or region.
- (h) If any waters or wastes are discharged, or are proposed to be discharged to the public sewers which waters contain the substances or possess the characteristics enumerated in Section (f) of this Section, and which is the judgment of the Supplier may have a deleterious effect upon the treatment plant or collection system, processes, equipment, or receiving waters, or which otherwise create a hazard to life or constitute a public nuisance, the Supplier may:
- (1) Reject the wastes.
 - (2) Require pretreatment to an acceptable condition for discharge, to the public sewers.
 - (3) Require control over the quantities and rates of discharge and/or
 - (4) Require payment to cover the added cost of handling and treating the wastes not covered by existing taxes or sewer charges.
- (i) Grease, oil and sand interceptors shall be provided for all commercial establishments with cooking facilities or dishwashers, or any flammable wastes, sand, or other harmful ingredients; such interceptors may be required for private living quarters or dwelling units. All interceptors shall be located as to be readily and easily accessible for cleaning and inspection.
- (j) Where preliminary treatment or flow-equalizing facilities are provided for any waters or wastes, they shall be maintained continuously in satisfactory and effective operation by the Owner at his expense.
- (k) When required by the Supplier, the owner of any property serviced by a building sewer carrying industrial wastes shall install a suitable control manhole or manholes together with such necessary meters and other appurtenances in the control manholes to facilitate observation, sampling, and measurement of wastes. Control manholes shall be located and built in a manner acceptable to the Supplier. If measuring devices, meters, and other appurtenances are to be permanently installed they shall be of a type acceptable to the Supplier. All sampling, measuring, and other procedures must be acceptable to and approved by the Supplier. Control manholes, access facilities and all related equipment shall be installed by the person discharging the

waste, at his expense, and shall be maintained by him at his expense so as to be in safe condition, accessible and in proper operating condition at all times. Plans for the installation of the control manholes, access facilities and related equipment shall be approved by the Supplier prior to the beginning of construction.

- (l) No statement contained in this Article shall be construed as prohibiting any special agreement or arrangement between the Supplier and any person whereby a waste of unusual strength or character may be admitted to the sewage disposal works, either before or after pre-treatment provided that there is no impairment of the functioning of the sewage disposal works by reason of the admission of such wastes, and no extra costs are incurred by the Supplier without recompense by the person.
- (m) Sewer Extensions must comply with all Federal, State and local regulations, including but not limited to Plan of Development, Zoning, Coastal Area Management and Inland Wetlands regulations

V. **Billing; Collection; Termination of Service**

(a) Sewer Charges.

- (1) All Customers shall pay to Supplier, when due, a monthly **sewer use charge** at a flat rate of [\$] per hundred cubic feet based upon water consumption as indicated on the meter horn installed in the building. If a Customer does not currently have a meter then one must be installed by Supplier, at the Customers expense, before connection can be made to the Sewer System. See Section VI for more information on meters.
- (2) In addition to the above sewer use charge, each property owner shall pay a **sanitary sewer outlet charge**, paid at the time of connection, in the amount of [\$] per acre of land calculated to the nearest 1/10 of an acre, with a minimum [\$] charge.

(b) Billing; Payment.

Separate premises shall be separately billed. Supplier shall provide each Customer with a statement for Sewer Services in accordance with Supplier's standard billing practices for its customers. Bills are payable when rendered, which are normally quarterly or semi-annually with the frequency for an accounted determined by the Supplier based on the days of service, classification and consumption. Failure of the Customer to receive the bill does not relieve him/her from the obligation of payment or from the consequences of its non-payment.

(c) Default of Payment.

Sewer use charges, together with interest, shall constitute a lien upon the property on which the building is located. Such lien shall take precedence over all other liens and encumbrances except taxes and may be foreclosed in the same manner as a lien for property taxes. However, the Supplier maintains the alternative right, in lieu of foreclosing on the property, and with proper notice, to terminate the Customer's Sewer Services until such time as payment is received. If the Supplier chooses to terminate the Customer's Sewer Service, a fee for reconnection may be charged.

VI. Meters for Billing

Sewer charges are calculated through use of meters. If a building is not already outfitted with a meter, then a meter must be installed before connection to the Supplier's Sewer System. Such installation will be at the Customer's expense and subject to the following terms:

- (a) The meters will be owned, tested and removed by the Supplier. Damage due to freezing, hot water, faulty connections, or customer's own negligence shall be paid for by the Customer.
- (b) No person, other than the Supplier, shall break seals or disconnect meters unless specifically authorized in writing by the Supplier to do so. If any person takes such action without authorization from the Supplier, that person will be liable for damages which may result therefrom, and shall be billed on the basis of Sewer Services used in a similar period.
- (c) The Customer will provide, at their expense, an accessible and protected location for the meter, which location shall be subject to the approval of the Supplier at the time of service pipe installation.

The meter may be located inside a building when, in the opinion of the Supplier, an inside setting will provide adequate accessibility, protection against freezing or other damage to the meter, and when the Sewer Lateral does not exceed 150 feet in length. A setting within a building shall be located just inside the cellar wall at a point which will control the entire supply to the premise.

When no suitable place inside the building is available, or the Sewer Lateral exceeds 150 feet in length, the Supplier may require that the meter be set near the street shutoff with suitable valve in a pit at least five feet deep, with a cover. Pit and cover shall be approved by the

Supplier. Meter pits and vaults, including the meter vault cover, become the property of the Customer upon installation, and the Customer is responsible for the maintenance and repair of the vaults as needed from time to time. Meter pits and vaults should be accessible and free of debris, which will help prevent the meter from freezing or otherwise damaged.

- (d) The Customer is responsible for maintaining piping on either side of the meter in good condition and valved on both side of the meter so that the meter may be removed or replaced conveniently and without damage to such piping.
- (e) The Customer is requested to notify the Supplier promptly of any defect in or damage to the meter or its connections.
- (f) In order to assure accuracy, the Supplier may at any time remove a meter for tests, repairs or replacement. At a minimum, meters will be tested periodically with the testing schedule adopted by the Supplier. Customers shall allow the Supplier access to their property for such periodic meter tests.
- (g) Upon written request of Customer, the Supplier will test without charge to the Customer, the accuracy of a meter in use at his premises provided the meter has not been tested by the Supplier within one year prior to such request. If the Customer desires to be present for the meter test, he shall notify the Supplier within ten (10) days of receipt of the written notification granting such test by the Supplier.
- (h) The Supplier can assume no responsibility for clogging of interior house plumbing or flooding which may occur during or after interruption of service or repairs to services, meters or mains.
- (i) The Supplier may not be required to install a meter until all requirements for connection to the Supplier Connection have been met, including inspection of the Sewer Later by Supplier.

VII. Sewer System Ownership and Responsibilities

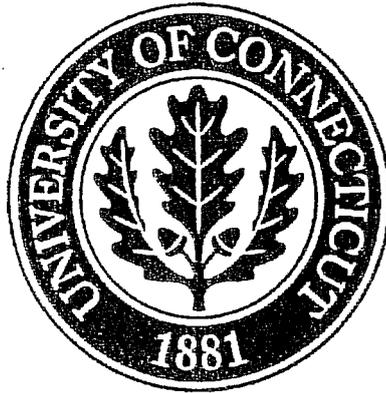
The Supplier shall operate, maintain, service, and repair the Sewer System that it owns, at its sole cost, excluding any repairs, replacements and maintenance required within one year of completion of its installation. The Supplier shall have the sole and exclusive right to operate and control the Sewer System in such manner to provide Sewer Services to Customers and to other projects now or hereafter owned or served by the Supplier. Subject to its obligations hereunder, the Supplier shall have no obligation with regard to

repairs, replacements or maintenance of the Sewer Laterals and appurtenances thereto, which are the property of the Person who owns the Property served.

The Supplier shall not be liable for any damage to person or property, sustained as a result of any break, failure or accident in or to its system or any part thereof, which is not due to the Supplier's negligence, or which, being known to the customer, was not reported by that customer in time to avoid or mitigate such damage.

VIII. Inspection, Penalties, and Validity

- (a) Any representative of the Supplier, bearing proper credentials, must be permitted to enter all properties for the purposes of inspection, observation, measurement, sampling, and testing in accordance with the provisions of these regulations.
- (b) Any person violating any provision of these regulations shall be served by the Supplier with written notice stating the nature of the violation and providing a reasonable time limit for the satisfactory correction thereof. The Owner shall, within the period of time stated in such notice, permanently cease all violations. Any person violating any of the provisions of these regulations shall become liable to the Supplier for any expense, loss or damage occasioned by reason of such violation.
- (c) The invalidity of any one section, clause, sentence, or provision of these regulations shall not affect the validity of any other part of these regulations which can be given effect without such invalid part or parts.



University Contract

No. UC-06-B948128-1

Operations, Management and Maintenance Agreement

Between

The University of Connecticut

And

New England Water Utility Services, Inc

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Services Agreement

The University of Connecticut, (hereinafter called the University or Client) and the New England Water Utility Services, Inc. (hereinafter called NEWUS or Firm) agree to have NEWUS provide services for the Total Operation, Management and Maintenance of the University Drinking water systems located at the Main, Depot and Agronomy Farm campuses in Mansfield, Connecticut (herein referred to as Water Systems). The University agrees to provide NEWUS access to the property and facilities as reasonably required to perform the services described in this Agreement.

SCOPE OF SERVICES:

I. A. NEWUS agrees to perform the following services as described below for the Services Fee as specified on Page 27 of this Agreement:

- 1.) Provide an experienced, on-site full-time (Monday through Friday 7:30 AM to 4:00 PM) Water System Manager (as identified at the end of Section I of this Agreement) who will be responsible for the total operation, management, and maintenance of the Water Systems. This System Manager will provide directions to the Client's on-site Manager (Primary) and/or Manager (Back-up) to direct the Client's water system staff in the operation of the Water Systems in order to achieve and maintain compliance with Sections 19-13-B102, 19-13-B38a and 25-32-9 of the RCSA. This System Manager shall be properly certified to operate both the water treatment and water distribution systems of the Water Systems, and shall be the primary contact for communications between the Client and federal, state and local regulatory officials. The System Manager will also be the primary contact for the media with regard to Water Systems' operational issues. Any such media communication will be coordinated with the Client's Office of Communications. In order to provide the strong on-campus presence that is necessary for this position, this System Manager will be assigned full-time (Monday through Friday 7:30 AM to 4:30 PM) and be provided an on-campus office by the Client. The Water Systems Back Up Manager will be assigned as needed to the Client for on-site management, operation and maintenance. Water Systems Manager and Back Up Manager's responsibilities are detailed in Sections I. D, E, F and G below.

- 2.) Provide an experienced trained on-site Water System Operator full time (Monday through Friday 7:00 AM to 3:30 PM) to perform system checks of the Depot Campus and Main Campus water systems' treatment and pump stations. The operator's duties will include the collection of Connecticut Department of Public Health (DPH) required Water Quality samples, delivery of samples to a DPH approved laboratory for analysis, logging of production and/or distribution meter readings; monitoring of equipment; maintaining appropriate station logs; monitoring the treatment processes and providing for batch treatment chemicals, as needed. The System Operator will report to and will assist the System Manager in preparing recommendations for any needed operational changes. Water System Operator responsibilities are fully detailed in Sections I. D, E, F, and G below.

- 3.) Provide additional Water Systems Operators as needed for on-site operation and maintenance of the University's water systems on weekends, holidays, after hours emergencies and special tasks (flushings, cross connections, etc). Water System Operators responsibilities are detailed in Sections I, D,E, F, G and Section III below.

- 4.) Provide 24/hour, 7 day/week availability for technical assistance or back-up, as needed by Client. The parties to this Agreement will follow the communication protocol established by mutual agreement of the parties to this Agreement, and identified in Section II of this Agreement. This communication protocol shall be amended, as needed, by the parties. Any modifications to the protocol shall be committed to writing and disseminated between the parties as soon as possible. The protocol in shall address the following areas of communications:
 - a) General Communications Plan with Links and Office of Communication Contacts;
 - b) Normal Operating Hours Flow Chart;
 - c) After Hours/Emergency Communication Flow Chart;
 - d) Flow Chart showing Response to Media Inquiries on Operational Issues;
 - e) List of Telephone Numbers
Internal Reporting Checklist
Failure/Breach/Damage/Threat
Water Distribution System/Sewer System

- 5.) Collect and deliver for analysis at a DPH-approved laboratory, water samples, as required by DPH, for the UConn Agronomy Research Farm water system.

- 6.) a. Provide guidance and direction to the Client on the overall water system operation, including water systems optimization plans, in conjunction with standard practice and regulatory requirements. The outcome of such direction shall be to achieve and maintain the Water Systems' compliance with all pertinent regulatory requirements.
 - b. NEWUS will be responsible for its actions or inactions which may result in any non-compliance, and shall be responsible for paying for or reimbursing the Client for any civil penalty(s) assessed for such violations from the Department of Public Health under the regulations (RCSA 19-13-B102, 19-13-B38 and 25-32-9), the Department of Environmental Protection under regulations (RSCA 22a-354i-1 through 10) and the University's diversion registrations during the period covered by this Agreement.
 - c. Client will be responsible for its actions or inactions which may result in non-compliance, and shall be responsible for paying for any civil penalty(s) assessed for such violations from the Department of Public Health under the regulations (RCSA 19-13-B102, 19-13-B38 and 25-32-9)), the Department of Environmental Protection under regulations (RSCA 22a-354i-1 through 10) and the University's diversion registrations during the period covered by this Agreement.

- 7.) NEWUS staff will prepare and submit water quality reports to the Client and to the DPH, on a monthly, quarterly or annual basis, as required for compliance with the Connecticut Public Health Code 19-13-b102, as well as for other required reporting requirements of the RCSA.
- 8.) Advise the Client of future proposed regulatory requirements and the effect of these requirements on the Water Systems.
- 9.) Review any existing Plans, Surveys, Assessments etc. provided by Client regarding the Water Systems. NEWUS will develop recommendations for necessary major maintenance and capital improvement projects, including budgets, for the Water Systems. These recommendations will be completed by January 1, 2007 and January 1 for each subsequent year of the contract.
- 10.) Review and provide recommendations regarding the customer service procedures that the Client currently uses for non-Client owned uses and premises connected to its Water Systems. Included in this review will be hydrant usage, metering, billing, bill collection and shut off procedures.
- 11.) NEWUS will maintain an updated set of water system distribution maps based on distribution system changes authorized by Client for distribution system additions, replacements, upgrades, etc.

B. Personnel:

NEWUS shall designate the following persons to act as its representatives:

- 1.) **Water System Manager** – Full-time (40 hours per week) assignment for on-site management, operation and maintenance of University water systems.
- 2.) **Water System Back-up Manager** – Assignment as needed, for on-site management, operation and maintenance of University water systems.
- 3.) **Water System Operator** – Full-time (40 hours per week) assignment for on-site operation and maintenance of University water systems.
- 4.) **Additional Water System Operators** – Assignment as needed, for on-site operation and maintenance of University water systems on weekends, holidays, after-hours emergencies and special tasks (flushing, cross connections etc.).

The original assignment of personnel is as follows:

NEWUS Contract Manager (Primary):

Name: Peter Pezanko Mailing Address:
Phone
UConn: 860-486-1081
Phone: 1-800-286-5700 New England Water Utility Services
Cell: 860-978-6341 93 West Main Street
Email: ppezanko@ctwater.com Clinton, CT 06413

NEWUS Contract Manager (Back-up):

Name: Matt Stosse Mailing Address:
Phone: 1-800-286-5700 Crystal Water Company
Cell: (860)662-0004 321 Main St.
Email: mstosse@ctwater.com Danielson, CT 06239

NEWUS Contract Coordinator:

Name: Chris J. Bogucki Mailing Address:
Phone: 1-800-286-5700 New England Water Utility Services
Fax: (860)669-7899 93 West Main Street
Email: cbogucki@ctwater.com Clinton, CT 06413

- 5.) **Changes in Personnel.** If any changes in the original assignment of System Manager, Back Up System Manager or System Operator become necessary during the term of the contract, the University has the right to approve all proposed replacement personnel.
- 6.) **Hiring and Recruitment.** Both parties agree that each party has invested significant time and resources in the recruitment and training of its employees. Therefore, to the extent permitted by applicable law, both parties agree that, during the time of this Agreement and for one (1) year thereafter, that neither party will directly or indirectly solicit or seek to employ the employees of the other party except as by mutual agreement of both parties.

C. Routine (Non-Holiday) Operating Hours are as follows:

- 1.) Water System Manager or Water System Back-up Manager – Monday through Friday 7:30 am to 4:00 pm.
- 2.) Water System Operator – Monday through Friday 7:00 am to 3:30 pm.

D. Routine Operation and Normal Maintenance:

- 1.) Water System Manager/Back-up Manager shall:
 - a) Schedule and supervise water system operator and additional water system operators to complete all required routine and normal tasks.

- b) Prepare regular management reports (see Section I G. of this contract) for University personnel. Schedule meetings with University personnel, as required, to update on operational, maintenance, regulatory, projects status and other issues.
- c) Prepare and update Standard Operating Procedures for all water system stations.
- d) Prepare and implement a Preventive Maintenance Program for all water system equipment. Supervise purchasing of supplies and equipment.
- e) Supervise preparation of all regulatory reports and Consumer Confidence Reports.
- f) Responsible for providing proper safety programs for NEWUS employees; monitoring for proper discharge of chlorinated water; review and comment on new construction for service lines, metering, cross connection control, main extensions and hydrant installations; provide for proper handling/disposal of water treatment chemicals and generator fuels including Spill Response and Reporting Requirements (SPCC).
- g) Provide recommendations concerning water system monitoring, controls and automation to allow water operators to access needed water system information and control water system responses.
- h) Supervise system metering including:
 - (1) Production meters – Schedule annual accuracy testing; and
 - (2) Consumption meters - Recommend and, as approved, schedule phased completion of system metering. Recommend and, if approved, schedule periodic meter accuracy testing.
- i) Review and comment on Fire Flow Standards for the water system including review of any existing information, assistance with any future fire flow testing, and recommendations for distribution system replacements, upgrades or system loops to provide for improved fire flows.
- j) Adhere to the requirements of, and provide review, comments and/or recommendations, and updates, as needed, for:
 - (1) Emergency Contingency Plan;
 - (2) Land Use Plan (changes in use, recreation programs, etc.);
 - (3) Water Conservation Plan (assist in budgeting and scheduling);

- (4) Rates for Water Usage, Private Fire Protection, Special Services, etc.;
and
 - (5) Water Supply Plan (assist with system description, available water/margin of safety estimates, emergency contingency plans, water system master plan, etc).
- k) Monitor and provide guidance for compliance with State Water Diversion requirements.
- 2.) **Water System Operator** shall provide daily attendance at all crucial water systems stations (wells, treatment stations, pump stations, etc.), and periodic attendance to other utility areas (storage tanks, hydrants, meter tasks, flushing, customer issues, sample collection, etc). This includes well operation, maintenance and protection, water treatment/pump station operation and maintenance, water storage tanks operation and maintenance, water sample collection/analysis/report preparation.
 - 3.) **Water System Operator/Additional Water System Operators** shall provide daily attendance at all crucial water systems stations 365 days a year, including weekends and holidays. Direct and manage cross connection surveying, backflow device testing and report preparation, utilizing subcontractors, as required.

E. Emergency Response

- 1.) **Water System Manager/Back-up Manager shall:**
 - a) Schedule properly trained, stand-by operators to provide 24/7 coverage for all after hours needs, including water system emergencies.
 - b) Maintain both regular and after hour communications during system emergencies including communications with University, state and local regulatory personnel, news media and customers. Such communications shall be in accordance with the guidelines listed in our "University of Connecticut, New England Water Utility Services and Department of Public Health - Communication Protocol" (see Section II).
 - c) Prepare and arrange for posting/delivery of consumer notices, where required.
 - d) Maintain a list of available subcontractors to assist with emergencies either during or after regular hours.
 - e) Maintain an inventory of spare parts and supplies for use in emergencies.
 - f) Establish a regular maintenance program for all equipment and facilities.

- g) Maintain a set of distribution maps, and operation manuals/data for each facility.
- h) Coordinate use of standby power generators with University personnel.
- i) Obtain a list of premises having direct suction pump connections to the water system.
- j) When necessary during emergencies these pumps should be removed from automatic operation and operated on manual mode only.
- k) Maintain an updated copy of Connecticut Water's "Emergency Spill Response Plan". Follow the listed procedures when dealing with spills, or sabotage, on University sources of supply.
- l) Review and propose any necessary improvements to security for water system assets. Coordinate proper security measures with University's Public Safety division.

2.) **Water System Operator/Additional Water System Operators shall** – Coordinate with the University's Manager (designated below) on the operation of the University's water systems in order to properly and efficiently respond to water system emergencies. Maintain communications with water system manager/back-up manager during all emergencies.

UConn Manager (Primary):

Name: Timothy Tussing
 Phone: (860)486-2608
 Cell: (860)234-2244
 Email: timothy.tussing@uconn.edu

Mailing Address:

University of Connecticut
 25 LeDoyt Road Unit 3252
 Storrs, CT 06269-3252

UConn Manager (Back-up):

Name: Michael Pacholski
 Phone: (860)486-0041
 Cell: (860)208-0319
 Email: mike.pacholski@uconn.edu

Mailing Address:

University of Connecticut
 25 LeDoyt Road Unit 3252
 Storrs, CT 06269-3252

F. **University Water System Complaints/Inquiries** NEWUS shall respond to water system complaints or inquiries from customers, town or regional officials or state/federal regulatory authorities shall be in accordance with standard Connecticut Water customer service procedures (i.e. use of verbal responses versus the need to conduct a field investigation for certain situations) and the University's approved Water System Rules and Regulations.

1) **Water System Manager/Back-up Manager shall:**

- a) Maintain information regarding University water systems, including any

modifications to its "Water System Rules and Regulations"

- b) Train and supervise operators in proper response procedures. As required, inform appropriate University personnel regarding all inquiries/complaints.
- c) Communicate, as necessary with local state and federal regulatory personnel. All routine and emergency communications shall be in accordance with the guidelines listed in our "University of Connecticut, New England Water Utility Services and Department of Public Health - Communication Protocol" (see Section II).
- d) Schedule operators to complete field investigations, as required. Maintain files of inquiries/complaints and resolutions of each.

2) Water System Operator/Additional Water System Operators shall:

- a) Train on customer service procedures and "Rules and Regulations" regarding University water systems.
- b) Inform water system manager of any inquiries/complaints.
- c) Conduct follow up field investigations, as directed by water system manager.

G. Interfacing With University Personnel - Interfacing with University personnel pertains to routine communications, emergency communications, quality assurance/quality control information, as well as planning and implementing joint water system operations/maintenance with University personnel.

1) Water System Manager/Back-up Manager shall:

- a) Maintain routine and emergency communication with University personnel in accordance with the guidelines listed in our "University of Connecticut, New England Water Utility Services and Department of Public Health - Communication Protocol" (see Section II).
- b) Provide the following regular reports to University personnel to maintain communications about the water systems and as our quality assurance/quality control program:

- (1) Department of Public Health Water Quality Compliance Reports – Monthly
- (2) Water Production Reports – Weekly
- (3) Water Production Reports – Monthly
- (4) Water System Station Log Sheets – Monthly

- (5) Water System Progress Reports - Weekly
 - (6) Water System Non-Routine Projects Progress Report – Monthly
 - (7) Consumer Confidence Report – Annually
 - (8) Cross Connection Survey and Backflow Device Testing Report – Annually
 - (9) Other Required Regulatory Reports (i.e. chemical spills, water outage or interruption in treatment, etc.) – As required.
 - (10) Contractor Invoices/Explanation of Expenses – Monthly
 - (11) Unaccounted for Water Calculations – Quarterly (or every six months until consumption meters are read more frequently)
 - (12) Capital Improvement and Major Maintenance Plan – Update Annually
- c) Request/Coordinate use of University employees to complete certain water system tasks including: grounds and building maintenance, repair of water system breaks and leaks, maintenance of fire hydrants, preparation of water supply plan updates (with NEWUS assistance), stand-by power generator testing and maintenance, provision of electrical system upgrades, control system monitoring work utilizing the UConn WAN system, installation of all new or replacement water utility plant on-campus.
 - d) Coordinate with University personnel oversight of the Level A Aquifer Mapping for the Willimantic Well Fields and implementation of protection areas for both the Willimantic and Fenton River Well Fields.
 - e) Coordinate with University personnel and assist with the implementation of a recreation plan at the Fenton River Well Field.
 - f) Coordinate with University personnel and provide review and oversight of the water system's approved Capital Improvements.

II. University of Connecticut, New England Water Utility Services, Inc. and Department of Public Health Communication Protocol

A.) General Communications Plan

- 1) This Communications Plan has been developed in order to clarify communication responsibilities and communication pathways to be utilized during the term of the Services Agreement between the University of Connecticut (UConn) and New England Water Utility Services (NEWUS). Under this Agreement NEWUS will provide management of the public water systems owned by UConn. An important part of this management effort is the establishment of effective and

comprehensive communications between UCONN, NEWUS, the state Department of Public Health and other affected parties. This Communications Plan is intended to be a flexible plan that can be updated with new telephone numbers, contact personnel and/or communication pathways as the need arises. Each time the plan is updated new copies, identified by the new Effective Date, will be distributed to all key personnel.

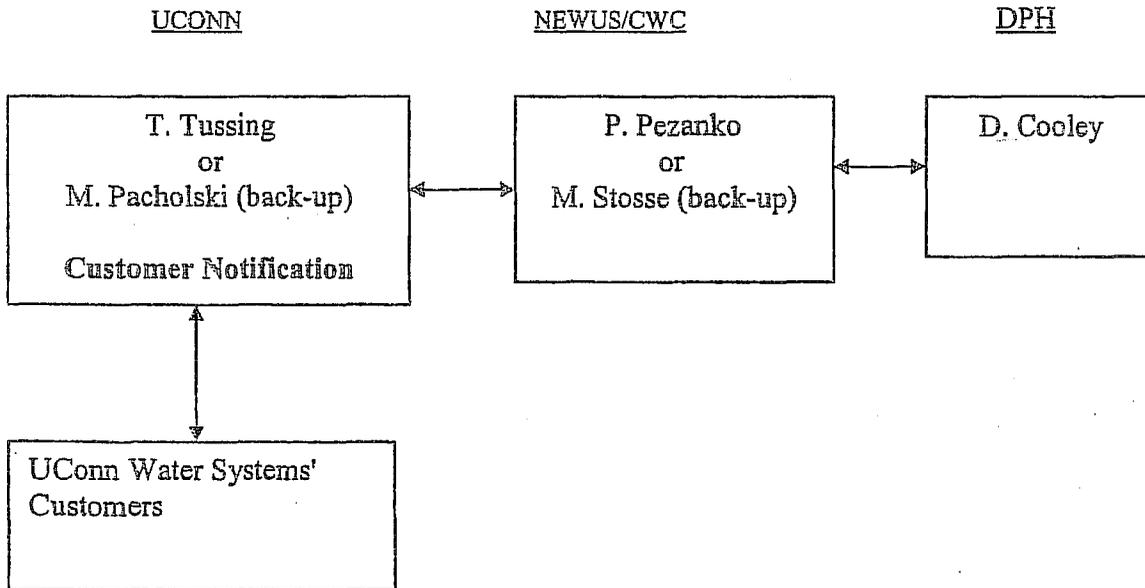
- 2) In general, the communication links will be as follows:
 - a) UConn Water Systems Primary Manager (Tim Tussing) or Back-up Manager (Michael Pacholski) or designated representative will communicate water system information to NEWUS System Manager (Pete Pezanko) or Back-up Manager (Matt Stosse) or designated representative. In turn, directions from NEWUS will be provided to UCONN'S Primary or Back-up Manager who, in turn, will direct UCONN operating staff, as necessary.
 - b) NEWUS System Manager (Pete Pezanko) or Back-up Manager (Matt Stosse) or designated representative will be the primary contact for communicating water system information to the state Department of Public Health and other federal, state or local regulatory officials. NEWUS personnel will be available to UCONN to respond to any request for water system technical assistance or back up within a two hour response time.
 - c) UCONN Office of Communications personnel will prepare formal News Releases and other Public Communications with input from NEWUS personnel regarding water system operational information, maintenance or emergency issues. Office of Communications Contacts identified below:
 - (1) Primary Contact: Karen Grava, Manager Media Communications – 860-486-3530; and
 - (2) Back-up Contact: Scott Brohinsky, Director University Communications - 860-486-3530.
 - d) NEWUS System Manager (Pete Pezanko) or Back-up Manager (Matt Stosse) or designated representative will be the primary contact for the media regarding water system operational issues. Inquiries regarding routine operational matters such as water main breaks or equipment failures that do result in prolonged or wide-spread service disruptions, or compromise the safety of the water may be answered by NEWUS without first consulting with the University. However, the University will be informed as soon as practical of any such inquiry and the nature of NEWUS's response. A response to inquiries regarding non-routine operational matters from the media will be coordinated with UCONN'S Office of Communications contacts identified above.

3) General Communications Plan

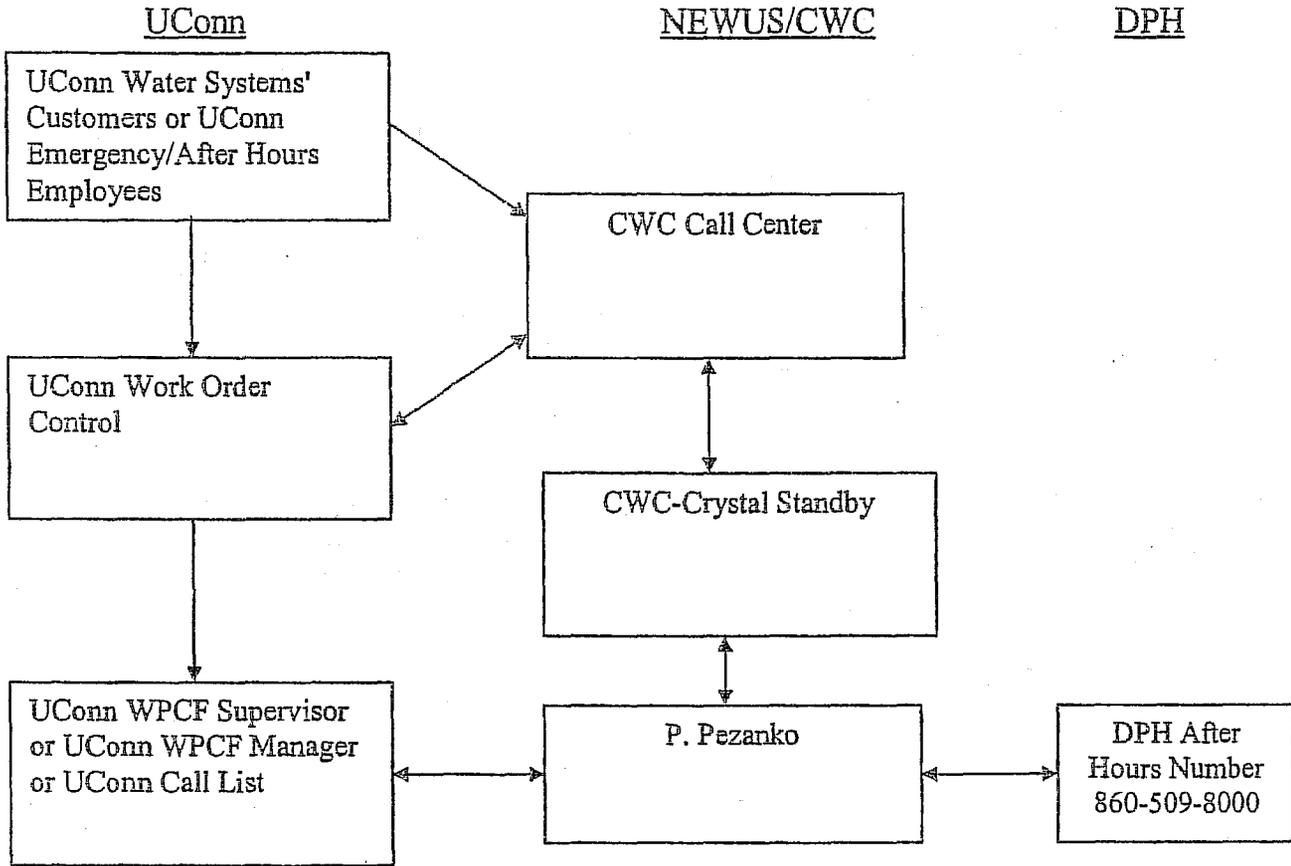
Due to the inherent differences in communications that can occur during normal operating hours as opposed to after hours/emergency communications, there have been two "Communication Flow Charts" developed for use in these situations. These two "Flow Charts", are diagrammed on the next two pages (Pages 13 and 14) of this Plan. They show the direction of communication via one or two way arrows between specific personnel, staffed departments and/or water system customers. In addition, a third "flow Chart" that shows the direction of communications for media contacts regarding operational issues is shown on Page 15.

The list of telephone numbers for all personnel and departments are shown on pages 16-17 of this Plan.

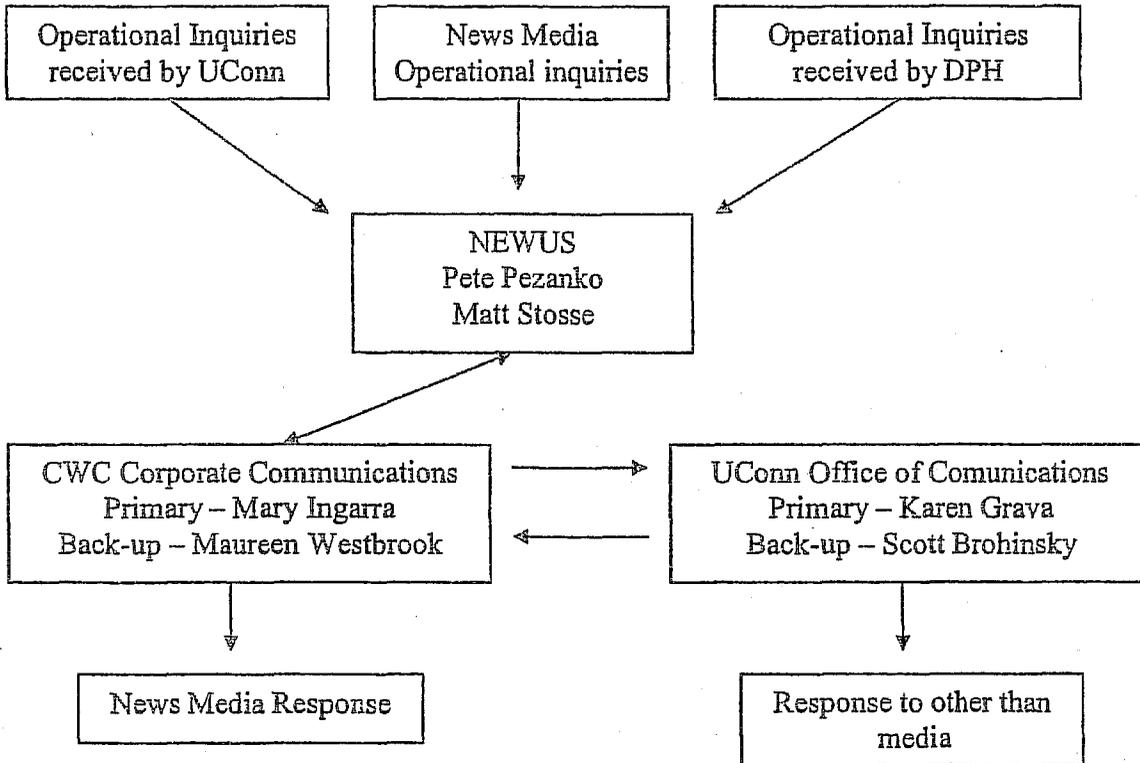
B.) UConn Water Systems – Communication Protocol Normal Operating Hours
Communication Flow Chart



C.) UConn Water Systems – Communication Protocol After Hours/Emergency
 Communication Flow Chart



D.) Response to Media Inquiries on operational issues



E.)

**LIST OF TELEPHONE NUMBERS
INTERNAL REPORTING CHECKLIST
FAILURE/BREACH/DAMAGE/THREAT
WATER DISTRIBUTION SYSTEM/SEWER SYSTEM**

Date: _____ Time: _____ AM/PM

Name of person calling: _____

Phone number of person calling: _____

Nature of Failure (e.g. water main break):

Location of Failure:

NOTE: IN THE EVENT OF ANY OF THE ABOVE FAILURES, NOTIFY THE FOLLOWING PERSONS/AGENCIES

Utilities Department (during normal working hours)	Office	860-486-3119
CT Water Co. – UConn Office (during normal working hours)	Office	860-486-1081
CT Water Co. (24-7) After Hours/Emergency Telephone Number	Office	1-800-286-5700
Richard Brand, Supervisor	Cell	860-208-2718
Ernie Dore, Assistant Supervisor	Cell	860-234-2160

WPCF

Ken Pelzar, Supervisor (during normal working hours)	Office	860-386-4235
	Cell	860-234-2434

Tim Tussing, Manager (during normal working hours)	Office	860-486-2608
	Cell	860-234-2244

Michael Pacholski, Assistant Director (during normal working hours)	Office	860-486-0041
	Cell	860-208-0319

Eugene Roberts, Director (during normal working hours)	Office	860-486-3185
	Cell	860-208-3380

CTDPH	Monday-Friday (during normal working hours)	860-509-7333
CTDPH	All other times	860-509-8000

Time: _____ AM/PM Date: _____
Name of person you spoke to: _____
Title of person you spoke to: _____
Any reference # or log entry data: _____

UCONN Fire Department 486-4925
Time: _____ AM/PM Date: _____
Title of person you spoke to: _____
Any reference # or log entry data: _____

UCONN EH&S
Time: _____ AM/PM Date: _____

Frank Labato Office 860-486-1109
Home 860-647-7260
Cell 860-539-5673

Cheryl Lebeau Office 860-386-6022
Home 860-423-2217
Cell 860-933-6108

CT Water Company
Time: _____ AM/PM Date: _____
Pete Pezanko Co. Cell 860-978-6341
Home 860-928-7466

Town of Mansfield Health Official
Time: _____ AM/PM Date: _____
Rob Miller Office 429-3325
Pager 860-260-8579
Cell 860-208-8990
Home 860-742-2348

In the event that he cannot be contacted, the #2 contact is Jeff Polhemus
Pager 860-260-8273
Home 860-742-6073
Cell 860-208-9943

If any streams, rivers, ponds or other waterways are affected by any discharge of chlorinated water as determined by the responders at the scene, call the DEP at the following numbers:

Iliana Ayala 860-424-3578 Primary DEP contact
After hours 860-424-3704 (860-424-3338 after hours dispatch)
Name of person contacted: _____ **DO NOT LEAVE A VOICE MAIL**

III. Water Conservation Plan for the University of Connecticut Water Systems

NEWUS will:

- A.) Verify accuracy of all production meters and prepare periodic production reports.
 - 1) Production Metering – NEWUS will log production metering information and prepare production reports for each month, and for each quarter. Monthly reports to show total monthly production from each well and total monthly production for the entire system. Quarterly reports to show total quarterly production from each well and total quarterly production for the entire system.
 - 2) Testing/Calibration of Production Meters – Where required, recommend installation of valves/test taps to enable field production meter accuracy testing. Once testing set up is in place, all meters will be tested for accuracy once per year, or more frequently if there are indications of possible meter inaccuracies. Any meters that do not meet minimum accuracy requirements shall be recalibrated or replaced, as needed.

- B.) Verify accuracy of all consumption meters and prepare periodic consumption reports.
 - 1) Consumption Metering – Recommend that all on-campus and off-campus premises receiving service from the University's water system be properly metered. Recommend that all consumption meters be read quarterly by the University. NEWUS to obtain consumption metering information from the University and prepare quarterly consumption reports for each quarter. Since many of the consumption meters are currently read only once every 6 months, prepare 6 month consumption reports until meters are read quarterly. Quarterly (or 6 month) reports to show total consumption for the entire system for that period of time. Until all premises are metered, use estimates of consumption for all un-metered premises.
 - 2) For the first time metering of single family residential homes (approximately 100+), NEWUS will provide Water Conservation Packets for each home. These Water Conservation Packets contain low flow shower heads, toilet leak detection kits, toilet tank displacement bags to conserve on flushing, and other suggestions to help customers conserve on water usage. Since these are the homes that will be metered for the first time, it is important to provide them with conservation assistance at this time.
 - 3) Verify accuracy of certain building meters where existing meter readings are not obtainable or are of suspected accuracy.
 - 4) Recommend that the University establish a regular meter testing schedule to ensure the continuing accuracy of all consumption meters.

- C.) Prepare regular (quarterly or once every 6 months depending on frequency of meter readings) calculations of unaccounted for water. Unaccounted for water is equal to total production less total consumption and other known un-metered uses. The goal for un-accounted water is 15% or less of total production.

- 1) Review periodic production, consumption and unaccounted for water figures to track trends in each. Investigate any instances of unexplainable changes in production, consumption or unaccounted for water, by reviewing for meter inaccuracies or erroneous readings, known or suspected changes in un-metered water usage, surveying for possible leaks or breaks, etc.

IV. Contract Terms and Conditions. These terms and conditions shall remain in full effect where they are not specifically modified herein.

A.) **Effective Date.** Both parties agree that the effective date is date of award of this Agreement.

Term of Agreement. The term of this agreement will be two years (2) from date of award.

Extension. This Agreement may be extended for an additional two one (1) year terms. This extension shall be by formal written amendment executed by both parties.

Amendment of Agreement. Material modification of the terms of this Agreement including, but not limited to the scope of services, the description of services, the rates for contracted services shall be by formal written amendment executed by both parties.

Termination. This Agreement can be terminated at any time by either party with at least sixty (60) days written notice to the other party.

B.) **Protection of Persons and Property:**

- 1) The contractor shall take every precaution at all times for the protection of persons and property, including University employees and property as well as its own.
- 2) The contractor shall be responsible for initiating, maintaining and supervising all safety precautions and programs in connection with the services provided under this contract.
- 3) The contractor shall continuously maintain adequate protection of all work from damage and shall protect University property from injury or loss arising in connection with this contract.

C.) **Indemnification**

- 1) The firm agrees to jointly and severally indemnify and hold the University, its successors and assigns harmless from and against all liability, loss, damage or expense, including reasonable attorney's fees which the University may incur or sustain by reason of the failure of the firm to fully perform and comply with the terms and conditions of this contract.

D.) Contract Termination for Cause

The University may terminate any resulting contract for cause by providing a Notice to Cure to the Contractor citing the instances of noncompliance with the contract.

- 1) The firm shall have ten (10) days to reply to the Notice to Cure and indicate why the contract should not be terminated and recommend remedies to be taken.
- 2) If the firm and the University reach an agreed upon solution, the firm shall then have thirty (30) days after such agreement is reached to cure the noncompliance cited in the Notice to Cure.
- 3) If a mutually agreed upon solution cannot be reached within ten (10) days after receipt of Notice to Cure by firm, the University reserves the right to terminate the agreement.
- 4) If the mutually agreed upon solution is not implemented within thirty (30) days from the date of agreement, the University reserves the right to terminate the contract.

E.) Responsibility of Those Performing the Work

- 1) NEWUS shall be responsible for its actions or inactions which may result in non-compliance, and would be responsible for paying for or reimbursing the University for any civil penalties assessed for these violations from the CT DPH under the regulation (RCSA 19-13-B102, 19-13-B38a and 25-32-7a through 25-32-14) while an agreement is in force. NEWUS shall also be responsible for the acts and omissions of all the vendor's employees and all subcontractors, their agents and employees and all other persons performing any of the work pursuant to this contract.
- 2) NEWUS shall at all times enforce strict discipline and good order among the firm's employees and shall not employ any unfit person or anyone not skilled in the task assigned.
- 3) Incompetent or incorrigible employees shall be dismissed from the project by the firm when so determined by the University, and such persons shall be prohibited from returning to the project without written consent of the University.
- 4) The University reserves the right to request that employee background checks be done and provided to the University for any new or replacement employees. The University may also require the firm, at firm's sole expense, to conduct periodic background checks of assigned employees.

F.) Payment Terms

- 1) Terms shall be Net 45 days.

G.) Contract Provisions by Reference

- 1) It is mutually agreed by and between the University and NEWUS that this contract between the parties contains all specifications, terms and conditions in this proposal except as amended in the purchase order or attachments thereto.

H.) Advertisements

- 1) The firm agrees not to make any reference to the University of Connecticut, or any part thereof, in any advertisements, solicitations, or announcements without the expressed written consent of the University Director of Procurement and Logistical Services or his/her designee, and to grant the University of Connecticut the right to approve all such advertisements, solicitations or announcements before they are circulated.

I.) Insurance Requirements

- 1) The firm will be required to submit to the Purchasing Department at Storrs, Connecticut, prior to the award of the contract, a Certificate of Insurance executed by an insurance company licensed to do business in the state of Connecticut, with the following requirements and the University should be named as additional insured. The firm will maintain the following insurance during the term of the agreement
 - a) Worker's Compensation insurance in accordance with the statutory requirements of the laws of the State of Connecticut and any additional requirements of the University of Connecticut. A statutory exemption from Worker's compensation shall not be deemed a satisfactory alternate to meeting this requirement. In no event shall an award be made to any firm failing to provide such evidence in a form satisfactory to the University. Coverage shall include Employer's liability with minimum limits of \$100,000 each accident, \$500,000 Disease – Policy limit, \$100,000 each employee.
 - b) Commercial Public Liability insurance, \$1,000,000 combined single limit per occurrence for bodily injury, personal injury and property damage.
 - c) Automobile Liability: \$1,000,000 combined single limit per accident for bodily injury. Coverage extends to owned, hired and non-owned automobile. If vendor does not own an automobile, but one is used in the execution of the contract, then only hired and non-owned covered is required. If a vehicle is not used in the execution of the contract then automobile coverage is not required.

J.) Remedies upon Default

- 1) In any case where the firm has failed to deliver or has delivered nonconforming goods or services, the University shall provide a "Notice to Cure." If after the notice the firm continues to be in default, the University may procure goods or services as substitution from another source and charge the cost difference to the firm.

K.) Collection for Default

- 1) The Attorney General shall be requested to make collection from any firm pursuant to the proceeding paragraph.

L.) Waste Materials

- 1) NEWUS shall at all times keep the premises free from accumulation of waste materials or rubbish caused by their operation and shall be responsible for the collection, removal and disposal of such waste and packaging from the site, and for the proper recycling of same when required.

M.) Excise Tax

- 1) The University of Connecticut is exempt from federal excise taxes, and no payment will be made for any taxes levied on the firm's employee's wages. The University is exempt from state and local sales and use taxes for the services and/or equipment supplied pursuant to this contract.

N. Safety

- 1) The equipment which the firm proposes to furnish must comply in all respects with the appropriate equipment and safety regulations of all regulatory commissions of the Federal Government, State of Connecticut, and local jurisdiction.

O.) Acts of Subcontractors

- 1) No portion of the work shall be subcontracted without prior written consent of the University. In the event that the firm desires to subcontract some part of the work specified herein, the firm shall furnish the University the names, qualifications and experience of their proposed subcontractors. The firm shall, however, remain fully liable and responsible for the work to be done by his subcontractor(s) and shall assure compliance with requirements of the contract.

P.) Acts of God

- 1) Whenever a firm's place of business, mode of delivery, or source of supply has been disrupted by strike, or act of God, or any other disruption, it shall be the firm responsibility to promptly advise the University. The University may elect to cancel all orders on file with the bidder and place said orders with another qualified firm.

Q.) Modifications to Requirements

- 1) It is NEWUS' responsibility to coordinate any requirements to modify standard products in order to accommodate these specifications. This shall extend to the submission of shop

drawings, samples, and the coordination of a multi-jurisdictional installation if required. Any conflicts, production difficulties or lack of sufficient information are to be brought to the University's immediate attention.

R.) **Regulatory Compliance**

- 1) It is the responsibility of NEWUS to confirm that all equipment and supplies purchased for the University meet all local and jurisdictional fire codes.

S.) **Bonding**

- 1) **Performance Bond:** NEWUS shall furnish a Surety Bond in an amount of \$432,850.00 as security for faithful performance of the contract and for payment of all persons performing labor on the project under the contract, prior to the execution of the contract. Surety on such bond shall be provided by a duly authorized Surety company licensed to do business in the state of Connecticut and named on the current list of insurance companies acceptable for Federal Bonds as published in the "Treasury Department Circular 570," and shall meet the approval of the University. Premiums shall be paid by the firm. All bonds shall be made out to the University of Connecticut.

T.) **Amendments to Bonds**

- 1) Any changes, modifications, amendments and/or alterations to any of the required bonds shall be highlighted and the University shall be advised of same and consent to same prior to its acceptance of the bond as so changed, modified, amended and/or altered. Failure to advise the University of these changes in accordance with this requirement shall make the bidder ineligible to bid on any future University contracts.

U.) **Power of Attorney:**

- 1) Attorneys-in-fact who sign bid bonds or contract bonds must file with each bond a certified and effectively dated copy of their Power of Attorney.

V.) **Contract Pricing**

- 1) Monthly fees shall remain firm for the two years of the contract. Rate increases will only be accepted if the request is effective on the third anniversary date of the contract and will only be considered:
 - a) When the University is notified of the increase a minimum of thirty (30) days prior to the effective date.
 - b) When they do not exceed the annual CPI-U rate for such services.
- 2) Any rate increases must be memorialized by formal written agreement.

W.) Information

- 1) The University is in the midst of an ambitious, campus-wide building campaign which has resulted in the closing and/or relocation of roads and driveways through the Storrs campus, oft times resulting in traffic congestion and making access to buildings and parking at the University difficult. To safeguard the students, faculty and staff, as well as the aesthetic beauty of the University, all Contractors are required to comply with the following rules and considerations will be required when making deliveries to any University of Connecticut campus:
 - a) Driving speeds on campus must be kept at a maximum of 25 mph to ensure maximum safety. Pedestrians have the right of way at all times
 - b) All traffic signs, lights or other indicators are to be obeyed. This is of utmost importance given the amount of construction and pedestrians on campus.
 - c) It is preferable that deliveries to any facility loading dock be made utilizing a maximum sized 24', 6-wheel saddle truck. To facilitate other deliveries, it is imperative delivery trucks have the capability to off load large quantities (pallets) in short periods of time.
 - d) Driving on sidewalks, unless otherwise posted, is forbidden. Violators will be ticketed and chronic violators may be barred from doing business with the University. In those areas where sidewalk driving is permitted and required, drivers must employ adequate skills so as to avoid driving on adjacent green spaces.

X.) Chapter 53 Proceedings

- 1) The contractor agrees that the sole and exclusive means for the presentation of any claim against the State arising from this contract shall be in accordance with Chapter 53 of the Connecticut General Statutes (Claims Against the State) and the Contractor further agrees not to initiate any legal proceedings in any state or federal court in addition to, or in lieu of, said Chapter 53 proceedings.

Y.) Governing Law

- 1) The agreement will be governed by and interpreted in accordance with the laws of the State of Connecticut.

Z.) **Executive Orders of the Governor**

1) Any Agreement is subject to the provisions of **Executive Order No. 3 of Governor Thomas J. Meskill promulgated June 16, 1971**, and as such, resulting Agreement may be cancelled, terminated or suspended by the state labor commissioner for violation of or noncompliance with said Executive Order No. Three, or any state or federal law concerning nondiscrimination, notwithstanding that the labor commissioner is not a party to said contract. The Parties to such Agreement, as part of the consideration hereof, agree that said Executive Order No. Three is incorporated herein by reference and made a part hereof. The Parties agree to abide by said Executive Order and agree that the state labor commissioner shall have continuing jurisdiction in respect to contract performance in regard to nondiscrimination, until the contract is completed or terminated prior to completion. The CONTRACTOR agrees, as part consideration hereof, that said Agreement will be subject to the Guidelines and Rules issued by the state labor commissioner to implement Executive Order No. Three, and that it will not discriminate in its employment practices or policies, will file all reports as required, and will fully cooperate with the State of Connecticut and the state labor commissioner.

2) Any Agreement is subject to the provisions of **Executive Order No. 17 of Governor Thomas J. Meskill promulgated February 15, 1973**, and, as such, resulting Agreement may be cancelled, terminated or suspended by the contracting agency or the State Labor Commissioner for violation of or noncompliance with said Executive Order No. Seventeen, notwithstanding that the Labor Commissioner may not be a party to said Agreement. The Parties to said Agreement, as part of the consideration hereof, agree that Executive Order No. Seventeen is incorporated herein by reference and made a part hereof. The Parties agree to abide by said Executive Order and agree that the contracting agency and the State Labor Commissioner shall have joint and several continuing jurisdiction in respect to contract performance in regard to listing all employment opening with the Connecticut State Employment Service.

3) Any Agreement is subject to the provisions of **Executive Order No. 16 of Governor John G. Rowland promulgated August 4, 1999**, and, as such, resulting Agreement may be canceled, terminated or suspended by the state for violation of or noncompliance with said Executive Order No. Sixteen. The Parties of said Agreement, as part of the consideration hereof, agree that:

a. The CONTRACTOR shall prohibit employees from bringing into the state work site, except as may be required as a condition of employment, any weapon or dangerous instruments as defined in (b) below.

b. Weapon means any firearm, including a BB gun, whether loaded or unloaded, any knife (excluding a small pen or pocket knife), including a switchblade or other knife having an automatic spring release device, a stiletto, any police baton or nightstick or any martial arts weapon or electronic defense weapon.

Dangerous instrument means any instrument, article, or substance that, under the circumstances, is capable of causing death or serious physical injury.

c. The CONTRACTOR shall prohibit employees from attempting to use, or threaten to use, any such weapon or dangerous instrument in the state work site and employees shall be prohibited from causing, or threatening to cause, physical injury or death to any individual in the state work site.

d. The CONTRACTOR shall adopt the above prohibitions as work rules, violations of which shall subject the employee to disciplinary action up to and including discharge. The CONTRACTOR shall insure and require that all employees are aware of such work rules.

e. The CONTRACTOR agrees that any subcontract it enters into in furtherance of the work to be performed hereunder shall contain provisions (a) through (d) of this Section.

4. Any Agreement is subject to Executive Order No. 7B of Governor M. Jodi Reil, promulgated on November 16, 2005. The Parties to said Agreement, as part of the consideration hereof, agree that:

a. The State Contracting Standards Board ("the Board") may review any subsequent Agreement or Contract and recommend to the state contracting agency termination of the contract for cause. The state contracting agency shall consider the recommendations and act as required or permitted in accordance with the contract and applicable law. The Board shall provide the results of its review, together with its recommendations, to the state contracting agency and any other affected party in accordance with the notice provisions in the contract no later than fifteen (15) days after the Board finalizes its recommendation. For the purposes of this Section, "for cause" means:

(1) a violation of the State Ethics Code (Conn. Gen. Stat. Chapter 10) or Section 4A-100 of the Conn. Gen. Statutes, or

(2) wanton or reckless disregard of any state contracting and procurement process by any person substantially involved in such contract or state contracting agency.

b. For the purposes of this Section, "contract" shall not include real property transactions involving less than a fee simple interest or financial assistance comprised of state or federal funds, the form of which may include but is not limited to grants, loans, loan guarantees and participation interests in loans, equity investments and tax credit programs. Notwithstanding the foregoing, the Board shall not have any authority to recommend the termination of a contract for the sale or purchase of a fee simple interest in real property following transfer of title.

c. Effective January 1, 2006, notwithstanding the contract value listed in Conn. Gen. Stat. §§ 4-250 and 4-251, all procurements between state agencies and private entities with a value of \$50,000 (fifty thousand dollars) or more in a calendar or fiscal year shall comply with the gift affidavit requirements of said Sections. Certification by agency officials or employees required by Conn. Gen. Stat. §§ 4-252 shall not be affected by this Section.

V. Price Consideration - First Year Expenditures of O&M Service Fee to Include

		<u>First Year</u> <u>Cost</u>	<u>Second Year</u> <u>Cost</u>
A.	Personal Services	\$242,310	\$242,310
B.	Operation Services	0	0
C.	Chemicals	32,000	32,000
D.	Insurance	5,100	5,100
E.	Supplies and Materials	5,000	5,000
F.	Residuals Disposal	0	0
G.	Preventive, Predictive & Corrective Maintenance	10,000	10,000
H.	Capital Repair and Replacement	50,000	50,000
I.	Outside Services	22,000	42,000
J.	Other Expenses	22,740	22,740
K.	Overhead and Profit	34,700	34,700
L.	Mobilization Cost (First Year Only)	9,000	0
M.	Other (Please Itemize and Describe)	<u>0</u>	<u>0</u>
Total Annual Water Facilities O&M Service Fee		<u>\$432,850</u>	<u>\$443,850</u>

Notes:

- 1) Item L is first year costs only and has not been included in the service fee for year two.
- 2) Emergency and Non-Routine projects will be billed on a cost-plus basis.
 - a. For all projects less than or equal to \$50,000 – Cost plus 8% markup.
 - b. For all projects greater than \$50,000 – Cost plus markup to be negotiated with UConn, but will not exceed 8%.

All proposed prices shall be valid for a period of two years from the award date. Future increase will be based on the CPI-U.

Capital Repair and Replacement: NEWUS will pay for each occurrence of CR&R that is equal to, less than or exceeds \$3,000.00 up to an annual accumulated maximum amount of \$50,000.00. Any Capital Repair and Replacement in excess of \$3,000.00 must be approved by the University. CR&R is defined as new equipment, replacement equipment, repairs or facilities items.

VI. Severability

The parties understand and agree that if a court holds any part, term or provision of this agreement to be illegal or invalid in whole or in part, the validity of the remaining provisions shall not be affected, and parties' rights and obligations shall be construed and enforced as if the agreement did not contain the particular invalid provision.

VII. Entire Agreement

It is mutually agreed by and between the University and NEWUS that this agreement shall create a contract between the parties thereto containing all specifications, terms and conditions. Further the parties agree that the agreement will be the complete expression of the terms and conditions hereunder, including all documents attached by reference. Any oral or written representations or understandings not incorporated in said agreement are specifically excluded.

IN WITNESS WHEREOF, the parties hereto have caused this agreement to be executed as of the date last entered below.

University of Connecticut

By: Sharon L. Alexander

Printed Name: SHARON L. ALEXANDER

Title: Dir., Procurement + Log. Svcs.

Date: 7/26/06

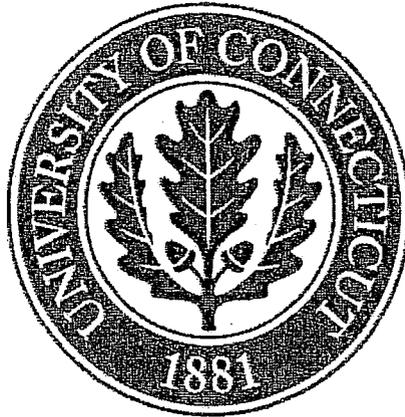
New England Water Utility Services, Inc

By: Thomas R Marston

Printed Name: THOMAS R. MARSTON

Title: VP - PLANNING + TREATMENT

Date: 7/25/06



The University of Connecticut

REQUEST FOR PROPOSAL

No. SG52206-1

**TO PROVIDE A MASTER PLAN FOR THE UNIVERSITY OF CONNECTICUT WATER
SUPPLY AND WASTEWATER TREATMENT SYSTEMS**

Proposal Due Date:

August 23, 2006

Informational Meeting - To review key documents, see 2.13-2.19
Date 7/26/06 - Meeting will be held in the bid room of the University of Connecticut
Purchasing Department at 10:00 am local time. This will be the bidder's only
opportunity to review material.

Issued By: Stephen R. Grange, C.P.M.
Assistant Director, Purchasing

3 North Hillside Road Unit 6076
Storrs, CT 06269-6076
Phone: (860) 486-4928
Fax: (860) 486-5051

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SECTION 6	Receipt of Proposals and Estimated Timetable
SECTION 7	General Terms and Conditions Instructions regarding Mandatory Forms and Affidavits

REQUIRED FORMS AND INSTRUCTION:

The following forms **must** accompany the bid response to be considered complete and compliant:

- Form of Proposal
- Bidder Contract Compliance Monitoring Report
- Gift Affidavit
- Consulting Affidavit
- Campaign Affidavit
- Annual Affidavit
- Summary of State Ethics Laws Acknowledgement
- References

SECTION 1

1.1 PROJECT SUMMARY:

Section 13 of Connecticut Department of Public Health consent order DWS-05-78-397a requires the University to retain a qualified consultant to complete a master plan for the University's water supply and wastewater treatment systems by February 1, 2007. Ensuring that the water supply and wastewater treatment systems will continue to meet the needs of the University, existing off-campus users and adjacent off-campus development goals in the Storrs area is a mutually shared objective of both the town of Mansfield and UCONN. Consequently, the University and Mansfield, with the support of the Connecticut Department of Public Health, the University's Board of Trustees and Mansfield's Town Council, have agreed to jointly commission the development of a master plan for the water supply and wastewater treatment systems. The scope of the master plan is described later in this document.

1.2 Demographics:

The University of Connecticut is comprised of the main campus located at Storrs with branch campuses in West Hartford, Waterbury, Avery Point, Torrington and Stamford, a School of Social Work located at the Greater Hartford Campus, a School of Law located in Hartford, CT., and Schools of Medicine and Dental Medicine, graduate programs, medical and dental clinics and the John Dempsey Hospital, all of which comprise the UConn Health Center, located in Farmington, CT. Total enrollment at all campuses is approximately 27,579 students. The Storrs campus has an enrollment of approximately 20,151 undergraduate and graduate students, including a resident

undergraduate population of approximately 11,340 students. There are approximately 8,802 full and part-time faculty and staff. This project is limited to the drinking water and wastewater treatment systems that served the University's Main and Depot campuses in Storrs and the Town of Mansfield.

SECTION II

2.0 Scope of Work:

Deliverable: We seek

- 2.1 A strategic assessment of: 1) operational capacities/capabilities; 2) infrastructure (critical system components) conditions and limitations; 3) financial/economic value; and, 4) management capability of the existing water supply and wastewater treatment systems
- 2.2 informed by an environmental assessment and enterprise risk analysis of industry trends, legal and regulatory trends, liability exposure, and benchmarking against comparable community systems
- 2.3 that identifies and assesses alternative ownership and/or governance options;
- 2.4 to guide consultation, deliberation and negotiation among the University, town and state regulatory authorities regarding

the intermediate and long-term ownership, operation, management and maintenance of these systems.

Key Plan Elements

2.5 Assess existing conditions - physical plant and operations of critical system components

2.6 Identify and assess key system strengths and limitations

2.7 Identify critical short-term and long-term management and infrastructure improvement needs

2.8 Project and evaluate options for meeting future demand over 10, 25 and 50-year horizons

2.9 Identify alternatives for securing additional sources of supply as necessary

2.10 Determine the financial/monetary value of the existing systems

2.11 Identify and evaluate options for restructuring ownership and governance of system assets and operations

2.12 Identify the capital and operating financing requirements/options to 1) strengthen the systems' operations; and/or 2) facilitate negotiations regarding the possible transfer of assets.

Key Background Documents

2.13 UCONN Water Supply Plan 2004-09

2.14 Prior UCONN Water Supply Plans

2.15 Town of Mansfield Water Supply Plan, Milone and MacBroom, May 2002

2.16 Water System Evaluation, Earth Tech 2003

2.17 UCONN/Mansfield Sewer and Water Service Agreement,
1989

2.18 Water System Basis of Design Report and Action Plan,
Woodard & Curran 2004

2.19 Pumping Stations and Sewer Force Main Mansfield Training
School, May 1999

2.20 Facilities Condition Assessment, ISES, 2006.

SECTION III

3.1 Letter of Engagement:

A draft Letter of Engagement will be required before a contract is finalized with the apparent awarded bidder or bidders.

SECTION IV

4.1 Proposal Content:

Each proposal shall contain, at a minimum, the following information:

Services:

- 4.1.1 A description of what strategies would be used to help the University and Town of Mansfield meet its goals, as outlined in the Scope of Work. Be specific.

What can your firm offer in the areas outlined in the Scope of Work, that other firms could not.

The consultant should have prior experience providing master plans for water and wastewater treatment systems for other college and university campuses, or municipal, institutional and university governmental entities with similar water use activities.

4.1.2

Experience:

- 4.1.3 A detailed description of similar engagements performed during the past five years that highlight

Bidder's experience in meeting the Scope of Work, in comparable settings.

4.1.4 Provide an overview of the proposed staffing arrangement including technical resumes and other pertinent information on all specific staff who would actively participate in project effort should Bidder's proposal be accepted. In particular, the University is interested in the expertise of Bidder's project leader and key project team members in similar projects and the firm's policy of staff rotation.

4.1.5 Detail what percentage of each individual's time would be spent working on the University account.

4.1.6 Identify the firm's resources that could be called upon to advise on issues unique to a public higher education/academic health center environment.

4.1.7 Provide examples of previous engagements with clients where a comparable Scope of Work was undertaken. Include names, addresses, telephone numbers and e/mail addresses of, at a minimum, three clients who can speak to Bidder's involvement and expertise.

4.1.8 Identify any litigation or professional disciplinary action that might adversely affect the firm's ability to establish and fulfill a multi-year arrangement.

4.1.9 Provide a two page executive summary highlighting the key elements listed above.

4.1.11 The consultant should have prior experience providing master plans for water supply and wastewater treatment university campuses, or systems for other college and institutional and governmental entities municipal, with similar potable water and wastewater use activities.

4.2 Statement of Fees:

Please submit , a statement of fees associated with the services requested, along with a delineation of the number of hours and associated hourly cost recommended for each staff level; e.g. manager, senior manager, partner, other staff levels.

All prices offered in response to this proposal shall remain fixed for the term of the contract.

SECTION V

EVALUATION PROCESS:

The award of an Agreement to this RFP will be based upon a comprehensive review, analysis and negotiation of the proposal which best meets the needs of the University and town. The contract award will be based on a points-earned matrix derived from a technical and financial evaluation.

The award will be made to the most responsive Bidder offering the best value and with the highest total matrix scores as determined by the University. All vendors submitting proposals concur with this method of award and will not, under any circumstances or in any manner, dispute any award made using this method.

All proposals will be evaluated by a committee, which will use the specific evaluation criteria listed below. The importance given to each element is represented proportionately by the respective weight assignments. Proposals will be evaluated as to the Firm's response to the following criteria:

Evaluation Criteria:

- A. Organizational Experience of Firm: 40 points
 - 1. Ability to successfully achieve the goals and objectives identified within the content of the RFP.
 - 2. Quality of proposed plan development methodology and engagement task plan.

- B. Demonstrated Experience: 25 points
 - 1. Three references that demonstrate a history of experience in successfully providing identified services especially to large public research institutions with similar in size and scope to those of the University of Connecticut and the Town of Mansfield.

2. Experience of Staff committed to the contract. Areas of experience directly relevant to those identified in the Background and Scope of Work sections of this RFP.

C. Qualifications 25 points

1. Depth of client base for responsible office or firm
2. Firm's capability to staff, manage identified areas of interest.
3. Absence of litigation or professional disciplinary action with probable adverse effects.

D. Pricing 10 points

Total maximum points available: 100 points

6.2 Estimated Timetable:

The following schedule will apply to this RFP:

Release of RFP	July 13, 2006
Informational pre-proposal meeting	July 26, 2006
Closing Date for Inquiries	Aug. 11, 2006
Submission of RFP due	Aug 23, 2006
Oral Presentations, if necessary	Date to be determined
<u>Anticipated</u> Award Date	Sept. 13, 2006
Service <u>anticipated</u> to commence	Oct. 1, 2006
<u>Service completion date</u>	Jan 1, 2007

STORRS WATER SYSTEM IMPROVEMENTS UPDATE: SEPTEMBER 14, 2006

INITIATIVE	STATUS
<i>Operations, Management, Maintenance Contract</i>	<ul style="list-style-type: none"> • Negotiated new two-year contract with NEWUS that became effective August 1, 2006. Provides an option to extend for two additional one-year terms.
<i>Physical Improvements</i>	<ul style="list-style-type: none"> • The University has invested approximately \$1 million since October 2005 for improvement designed to strengthen performance and reliability. • Key projects include: replacement of 2000 feet of Willimantic system transmission main; redevelopment of three wells; and, installation of new meters (production and in-stream monitoring) • NEWUS and the University completed system-wide leak detection survey and completed repairs.
<i>Water/Wastewater Master Plan</i>	<ul style="list-style-type: none"> • RFP released; three proposals received at 8/31/06 deadline. • Mansfield town staff prepared to share funding on a to-be-determined basis. • Joint University/Town review committee reviewing proposals. • Contract award expected in late September.
<i>ISES Water/Wastewater Infrastructure System Studies</i>	<ul style="list-style-type: none"> • Fieldwork completed; review of drafts underway. • Evaluation of need, nature and scope of study to determine sources and remedies for groundwater/stormwater infiltration into wastewater system underway.
<i>System Rates/Rules Communication</i>	<ul style="list-style-type: none"> • Two newsletters to external users since July1. (See Attached) • Public meeting of University of Connecticut Water/Wastewater Policy Advisory Committee scheduled on 9/14/06.
<i>2004-2009 Water Supply Plan</i>	<ul style="list-style-type: none"> • Approved by DPH in May 2006. • Preliminary agreement with DEP staff to incorporate a water supply strategy as part of the University water supply plan in 2007. • Connecticut Water Planning Council (OPM, DEP, DPH, DPUC) to consider proposal at 9/15/06 meeting.

DRAFT**MEMORANDUM OF AGREEMENT
BETWEEN THE
UNIVERSITY OF CONNECTICUT AND
THE DEPARTMENTS OF ENVIRONMENTAL PROTECTION, HEALTH AND
PUBLIC UTILITY CONTROL AND THE OFFICE OF POLICY AND
MANAGEMENT ACTING AS THE WATER PLANNING COUNCIL**

Whereas, the University of Connecticut is a Land Grant and Sea Grant College and the State's flagship institution of higher learning whose main campus in Storrs, Connecticut has had its water supply needs served historically from wellfields along the Fenton and Willimantic Rivers.

Whereas, campus growth and development has relied upon the development and operation by the University of water supply and distribution systems requiring sustainable, reliable and safe sources of water which must be provided consistent with the state's policies to protect its water related resources and watershed lands.

Whereas, section 25-32d of the Connecticut General Statutes (CGS) and the regulations thereunder establish a comprehensive framework and process for developing and submitting for state review and approval a water supply plan.

Whereas, the University of Connecticut is not a water company as defined in CGS section 25-32a based on an opinion of the Attorney General and thus not subject to the requirements of CGS section 25-32d and the regulations thereunder for such a water supply plan.

Whereas, the University has nevertheless regularly prepared water supply plans for its water supply systems and submitted them to the Department of Public Health for review;

Whereas, the University of Connecticut has made certain commitments to the Department of Public Health pursuant to Consent Order DWS-05-078-397 and in Consent Order DWS-05-078-397a (attached) including the execution of a procurement process that will result in the retention of a qualified contractor to operate and manage the University's drinking water systems and a qualified contractor to prepare a water systems master plan;

Whereas, the University of Connecticut has made certain commitments to the Department of Environmental Protection through its letter of September 23, 2005 (attached) regarding use of the Fenton River and Willimantic River wellfields including restorative actions and studies, conservation measures and infrastructure evaluations and improvements.

Whereas, the University of Connecticut is committed to setting a high standard for sustainable development and providing the leadership and example for forward thinking environmental stewardship.

Whereas, the Water Planning Council is constituted pursuant to CGS section 25-33o to address issues involving water companies, water resources and state policies regarding the future of the state's drinking water supply and is comprised of representatives of the Public Utility Control Authority, Departments of Environmental Protection and Public Health and Office of Policy and Management each of which otherwise has separate jurisdiction with regard to water resources, supply and use by the University.

Therefore, the University of Connecticut agrees that it shall:

- Develop a comprehensive water supply strategy for the period 2007-09 and submit said comprehensive strategy to the Water Planning Council by February 28, 2007 for review. Such strategy shall include:
 - A description of the how the results and recommendations of the Fenton River Study required by the OPM Record of Decision for the University's North Campus Master Plan Environmental Impact Evaluation will be addressed, including an implementation schedule;
 - A drought response plan including environmental condition trigger events and specific actions to be taken by University plant managers, grounds and athletic field managers, and students, and, communication strategies for students;
 - a schedule for preparing and implementing a comprehensive water conservation plan to: meter all customers, buildings, grounds and fields; provide water efficiency in new construction, and replace and retrofit fixtures in existing buildings; utilize water reuse and recycling options; conduct water use audits in conjunction conservation education; undertake recommendations of an expert water conservation consultant;
 - A long term protection plan for sources of drinking water along the Fenton and Willimantic Rivers including the Fenton River water supply reservoir watershed area;
 - A schedule for preparing and implementing the recommendations of a hydraulic study of the water distribution system describing flow characteristics and operation efficiencies, a description of how the recommendations of the study will be addressed and an implementation schedule;
 - A completion schedule of the Level A aquifer protection area mapping for the Willimantic River wellfield;
 - A scope and schedule for completing an instream flow study of the Willimantic River similar in purpose to that conducted on the Fenton River to define and evaluate the linkage between the pumping of the supply wells and impacts to the Willimantic River. The study will also evaluate management of the pumping from the wells to optimize

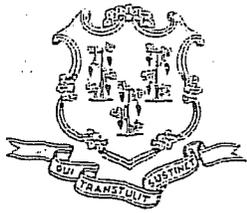
withdrawals while minimizing impacts to the stream habitat (to be used to determine a safe withdrawal rate for the Willimantic wellfield),

- The results of the Willimantic River study and description of how the recommendations of the study together with the Fenton River results will be used to shape a comprehensive well field/withdrawal management plan to be incorporated in the next plan period.

The Water Planning Council agrees that it will review the University's water supply strategy, that it will consult with the appropriate authorities in the Town of Mansfield regarding the strategy, and shall provide opportunities for public comment on said strategy prior to making a determination of their concurrence with the strategy. The Water Planning Council shall then provide an advisory opinion to the Department of Public Health as to the appropriateness of the water supply strategy for incorporation into the University's water supply plan per CGS 25-32d.

The Water Planning Council and the University further agree that they will work together to assure that the strategy is expeditiously implemented to guide the future conservation and development decisions of the University and its surrounding communities and that such plan is updated consistent with CGS 25-32d(a).

July 13, 2006 Draft



STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH

May 23, 2006

Mr. Eugene B. Roberts
University of Connecticut
25 Ledoyt Rd., U-3038
Storrs, CT 06269-3038

Re: Water Supply Plan – University of Connecticut

Dear Mr. Roberts:

I am pleased to inform you that the water supply plan, dated November 2004, with modifications dated January 2006, has been approved.

Congratulations on successfully completing this valuable project. We consider this plan as one step in the development of a more comprehensive master plan that the University will be preparing to take into account issues involving the Fenton River and future development in the Town of Mansfield.

Pursuant to Section 25-32d-5(d) of the Regulations of Connecticut State Agencies, you are requested to submit notice of the approved plan to all local health departments and municipal planning departments, or agencies, covering any portion of the existing or proposed source or service areas (see attached list). You should also provide one copy of the approved water supply plan, including this department's approval sheet, to any of the above respondents requesting a copy of the plan. Please copy this office on all correspondence pertaining to these matters.

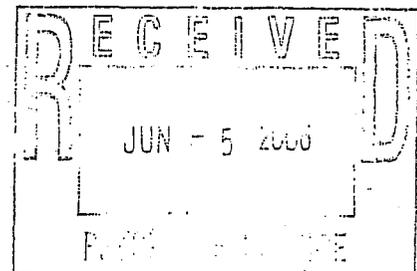
An additional copy of the approved plan need not be submitted to the regional planning organization, but they should be sent a copy of this department's approval sheet.

Again, congratulations on completing this project. If you have any questions, please contact Mr. Jason Sirois of this office.

Sincerely,

James Okrongly
Section Supervisor (Planning)
Drinking Water Section

c: Paul Ritsick, Ritsick Engineering
Robert Hust, DEP
Steven Cadwallader, DPUC
Daniel Morley, OPM
Michael Hage, DWS
Jason Sirois, DWS
Interested Parties (list)

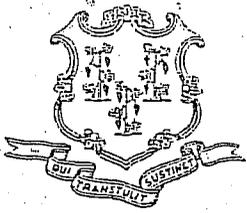


Phone: (860) 509-7333

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410 Capitol Avenue P. 72; # 51WAT





STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH

WATER SUPPLY PLAN APPROVAL

The University of Connecticut Water Supply Plan, dated November 2004, with modifications dated January 2006, is approved.

This approval is issued with the concurrence of the Department of Environmental Protection.

5/23/06
Date


Gerald R. Iwan, Ph.D., Chief
Drinking Water Section

GRI/js

s:\planning\jim\UCONN approval

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410 Capitol Avenue P. 73 # 51WAT



University of Connecticut:

Local Planning Agency

Local Health Director

Coventry

Eric M. Trott - Director of Planning and Development
Town Office Bldg.
1712 Main St.
Coventry, CT 06238

Mr. Robert L. Miller - Director of Health
Eastern Highlands Health District
4 South Eagleville Rd.
Mansfield, CT 06268

Mansfield

Gregory Padick - Town Planner
4 So. Eagleville Rd
Mansfield, CT 06268

Same as Coventry

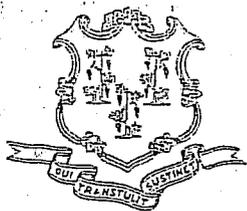
Willington

Matthew Dinallo
Planning and Zoning Comm.
Town Office Bldg.
40 Old Farms Rd.
Willington, CT 06279

Same as Coventry

Regional Planning Organizations

Windham Region Council of Governments
968 Main St.
Willimantic, CT 06226-2310
Executive Director: Barbara C. Buddington



STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH

MEMORANDUM

FROM: Jason Sirois, Environmental Analyst 2
Drinking Water Section

SUBJECT: Review of the University of Connecticut Water Supply Plan, Dated November 2004, With Modifications Dated January 2006

DATE: April 3, 2006

I have reviewed the subject plan and find that the plan now covers most of the requirements of the water supply plan regulations. The remaining concerns can be delayed until the next plan update.

A. Priority Concerns

There are no priority concerns.

B. Delayed Concerns

The following comments are of less immediate concern and can be delayed until the next plan update (anticipated in three to five years).

B1. Water Conservation: Unaccounted for water must be evaluated in the next plan update.
RCSA 25-32d-3(h)(4)(C)



STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION



March 21, 2006

Gerald R. Iwan, Chief
Drinking Water Section
Department of Public Health
410 Capitol Avenue, MS#51WAT
Hartford, CT 06134-0308

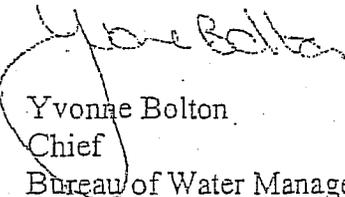
Re: University of Connecticut, Storrs Campus and Depot Campus, 2004 Water Supply Plan,
dated November, 2004, revised February 17, 2006

Dear Dr. Iwan:

The Department of Environmental Protection (DEP) has completed its review of the above-referenced University of Connecticut, Storrs Campus and Depot Campus Water Supply Plan to determine compliance with the planning requirements set forth under Section 25-32d-1a through 25-32d-6 of the Regulations of Connecticut State Agencies. The DEP recommends approval of the water supply plan.

If you have any questions, please feel free to call Terri Schnoor at (860) 424-3707.

Sincerely,


Yvonne Bolton
Chief
Bureau of Water Management

cc: James Okrongly, DPH Drinking Water Division
Denise Ruzicka, DEP Inland Water Resources Division
Peter Aarrestad, DEP Fisheries

Interested Parties

Elizabeth C. Paterson, Mayor
Town of Mansfield
Four South Eagleville Rd.
Mansfield, CT 06268-2599

Rudy Favretti, Chairman
Planning & Zoning Commission
Four South Eagleville Rd.
Mansfield, CT 06268-2599

Gregory J. Padick
Direct of Planning
Four South Eagleville Rd.
Mansfield, CT 06268-2599

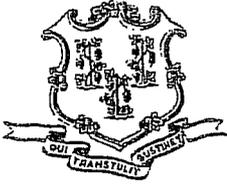
Jeanine Bonin, PE
Milone & MacBroom, Inc.
99 Realty Drive
Cheshire, CT 06410

Denise Burchsted, Executive Director
Naubesatuck Watershed Council
268 Warrenville Rd.
Mansfield Center, CT 06250

Helen Koehm
Citizens For Responsible Growth
83 Separatist Rd.
Storrs, CT 06268

David Morse
64 Birchwood Heights
Storrs, CT 06268

Quentin Kessel
97 Codfish Falls Road
Storrs, CT 06268



STATE OF CONNECTICUT

OFFICE OF POLICY AND MANAGEMENT
INTERGOVERNMENTAL POLICY DIVISION

TO: Tom Callahan, Associate Vice President for Governmental Relations
University of Connecticut, Storrs

FROM: W. David LeVasseur, Undersecretary 
Office of Policy and Management

DATE: July 6, 2006

SUBJECT: Long-term Impact Analysis of the University of Connecticut's Fenton
River Water Supply Wells on the Habitat of the Fenton River

In our August 13, 2001 letter regarding the EIE for the UConn North Campus Master Plan, this agency requested that a study be undertaken to determine the long-term environmental impacts of the University's withdrawal of water from Fenton River. The scope of the study was developed in conjunction with DEP and was commented upon by DPH.

In your April 6, 2006 letter transmitting the study to OPM, you ask that we review the study and make a determination as to whether it fulfills the requirement of our August 2001 letter. We have consulted with both DEP and DPH in this regard and find that the subject study does indeed fulfill that requirement.

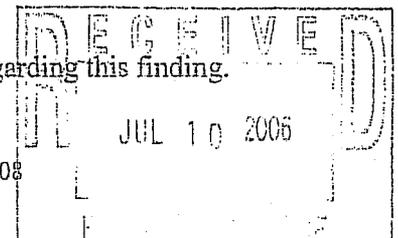
We have received a memo from DEP (attached) indicating that they have reviewed the study and find that it "adequately reflects the scope of work that was originally agreed upon" and that DEP "recommends that OPM accept the report as submitted". In its memo, DEP indicates that this study is a significant step forward in addressing the water supply issues at UConn, and encourages the monitoring and annual reporting to DEP regarding well field usage and stream flow gauging data. DEP also indicated concern that increased reliance on the Willimantic River during low flow periods could cause impairment to that river. DEP notes that these issues will be addressed in a future Memorandum of Agreement between the agencies.

In its comments (enclosed), DPH expressed concern regarding some of the recommendations in the report (i.e. withdrawal reductions from the Fenton during low flow periods). The agency indicated that, without a well managed and orchestrated operational plan, a reduction in Fenton withdrawals could potentially adversely impact the University community's drinking water needs. While this is an extremely important issue, OPM believes that its resolution is beyond the scope of this study. DPH notes in its comments that this issue will be addressed in the University's Water System Master Plan Study report due on February 1, 2007. We urge UConn to continue to work with DPH to resolve this concern.

Please contact Jeff Smith of my staff at 418-6395 if there are any questions regarding this finding.

Phone: (860) 418-6484 Fax: (860) 418-6493
450 Capitol Avenue-MS# 54SLP Hartford, Connecticut 06106-1308

P.78





STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION



W. David LeVasseur
Undersecretary
Intergovernmental Policy Division
Office of Policy and Management
450 Capitol Avenue, MS#52ASP
Hartford, CT 06106-1308

June 29, 2006

Dear Mr. LeVasseur:

Thank you for providing the opportunity for the Department of Environmental Protection to review the report titled "Long-term Impact Analysis of the University of Connecticut's Fenton River Water Supply Wells on the Habitat of the Fenton River". This report was the result of a study that OPM requested be performed in its approval of the Environmental Impact Evaluation for UConn's North Campus Master Plan.

The DEP finds that the report adequately reflects the scope of work that was originally agreed upon between UConn and DEP. Some changes were made to the original scope as the study progressed, but these changes were addressed in the final report.

The DEP finds the recommendations in the report to be reasonable given the underlying findings of the study. The recommendations include moving Well A further away from the river, monitoring stream flow, and reducing pumping at specific stream flow trigger levels. These recommendations will help preserve fish habitat in the Fenton and prevent reoccurrence of catastrophic environmental impacts such as those observed in September, 2005.

The DEP recommends that OPM accept the report as submitted.

Please note that while this study is a significant step forward in addressing the water supply issues at UConn, it is critical that the recommendations of this study be implemented. In addition, monitoring and annual reporting to DEP regarding daily well field usage and stream flow gaging data are necessary, as well as a study to ensure that the resulting increased reliance upon the Willimantic River Well Field under low flow conditions does not cause impairment of the Willimantic River.

Our understanding is that UConn is willing to carry out the recommendations of the study and the additional recommendations noted above. As you are aware, DEP has been working on a draft Memorandum of Agreement to address these with UConn and will be bringing such draft to the Water Planning Council for their consideration.

Sincerely,

Amey Marrella
Deputy Commissioner



STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH

May 8, 2006

W. David LeVasseur, Undersecretary
Intergovernmental Policy Division
State of Connecticut Office of Policy and Management
450 Capitol Ave. MS#SLP
Hartford, CT 06106-1308

Re: Comments on Recommendations from the Fenton River Study Team Report "Long-term Impact Analysis of the University of Connecticut's Fenton River Water Supply Wells on the Habitat of the Fenton River"

Dear Undersecretary LeVasseur:

As requested in your letter of April 13, 2006, the DPH Drinking Water Section (DWS) has reviewed the recommendations enumerated on page 20 of the subject report for their impacts on public water supply obtained from the Fenton River. The study report recommends that water production from the Fenton River Wells should be reduced according to criteria #8 through #12 appearing in Section 1.8 of the report in order to protect fish habitat during times of low flow. Criterion #11 recommends that pumping from the wellfield should stop whenever the river flow is below 3 cfs. The report also recommends that pumping from the wells should stop if flow in the river is below 6 cfs for 15 consecutive days or below 5 cfs for more than 5 consecutive days. Whenever the Fenton River Wells would be constrained by the recommended stream flow criteria, current and future margin of safety (available water \div demand) calculations would all be less than unity, which could lead to insufficient water supply for the University in violation of Sections 19-13-B102 (o) and (p) of the RCSA.

It is also important to note that models and surrogate data in the Fenton River Study Report indicate that low flows in the river generally occur in August and September. The latter part of August and early September timeframe coincides with the start of the fall semester and is the period when the University water system typically may experience its peak day demand for water. Historical data also show that peak month water demands generally occur in September or October. Thus, the peak demands for water service and periods when flow in the Fenton River may drop below the recommended 6 cfs action level are likely to occur at the same time. Therefore, because of this, the expression of available water supply and demand based on average day values would be misleading.

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P.O. Box 340308 Hartford, CT 06134

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Fenton River Study Report
May 8, 2006

Other recommendations in the report pertain to wellfield equipment and control upgrades along with the possible re-development of Well D and the replacement of Well A.

DPH would like to point out that further study and evaluation of these and similar items will be included in the University's Water System Master Plan Study report due on February 1, 2007.

The Master Plan is being conducted by the University under a consent order issued by the DPH DWS in 2005. The report deliverables will include a strategic assessment of:

1. Operational capacities/capabilities including proposed options for meeting future demand over 10, 25 and 50-year horizons; and
2. Current and future infrastructure conditions and limitations.

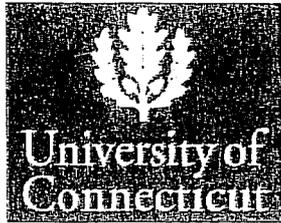
In closing, the implementation of recommendations to reduce pumping in the Fenton Wellfield without a well managed and orchestrated operational plan for the water system and/or the development of a suitable replacement to the Fenton River wellfield could adversely impact the University community's drinking water needs.

Sincerely,



Darrell B. Smith
Public Health Services Manager
Drinking Water Section

cc: Gerald Iwan, DWS Section Chief
Ellen Blaschinski, Branch Chief
Michael Hage, DWS
David Cooley, DWS



2005 Drinking Water Report

Main Campus, Storrs (CT 0780021)

Depot Campus, Mansfield (CT 0780011)

June 23, 2006

Message to the Consumer:

The University is pleased to provide you with the 2005 Drinking Water Report of the Main Campus Water System in Storrs and the Depot Campus Water System in Mansfield. This report includes a brief overview of your drinking water supply and the results of water quality tests conducted during 2005. This "Consumer Confidence Report" is issued to provide consumers with water quality information on an annual basis as required by the Federal Safe Drinking Water Act. We encourage you to read this report to gain a better understanding of your water supply.

In 2005, the University contracted with New England Water Utilities Services, Inc. (NEWUS) to provide professional management of the University's water systems. We worked extensively with the state Department of Public Health to develop the scope of the contract with NEWUS. The contract called for the company to perform a full review of the University's water system, including operations and customer service practices, and to make recommendations on capital improvement and major maintenance projects.

NEWUS developed recommendations that addressed issues raised in the previous Department of Public Health Sanitary survey of our water systems and established protocols for both routine and emergency water system communications. A leak detection survey of our water system was completed, leaks were repaired, and water conservation was promoted through the implementation of water system operating efficiencies.

The three year study of the Fenton River, required by the State's Office of Policy and Management, was completed by several water resource and environmental experts led by the University's Institute of Water Resources. As a result, water system operating changes are underway that will reduce the risk of adverse effects to the river during low flow conditions.

Among the equipment installed in 2005 were continuous water level monitoring equipment and new production meters at the Fenton well field to improve meter accuracy and reliability. The replacement of 2,000 feet of our water transmission main from the Willimantic well field and well pump replacements will enable us to increase usage from the Willimantic well field and reduce reliance on the Fenton River well field during dry conditions.

The University remains committed to providing its students, faculty, staff, visitors, and area residents, businesses, and municipal facilities with the highest quality drinking water possible. For more information concerning drinking water quality provided by the Main Campus or the Depot Campus systems, call the University's Department of Environmental Health and Safety at 860-486-3613 or New England Water Utility Services, Inc.'s project manager at 860-486-1081 weekdays between 8 a.m. and 5 p.m.

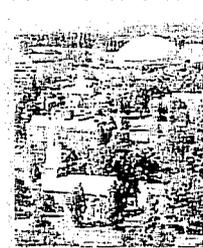
Sincerely,

Thomas Callahan
Interim Associate Vice President
Administration & Operations

In This Report:

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Regulatory Oversight.....	2
Educational Information...	3
Water Conservation.....	3
Water Quality	4
Examples of Tests	5

Serving a Large Community



On an average day, the University is responsible for providing approximately 1,486,000 gallons of clean drinking water to students, faculty, employees, visitors, local homeowners, and businesspeople.

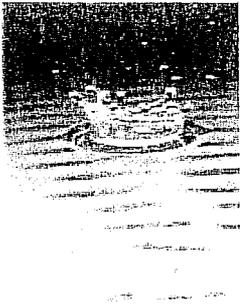
SYSTEM RULES AND REGULATIONS

The University is in the process of adopting "Rules and Regulations" for all users of its water system. These Rules and Regulations will establish policies and procedures governing its water systems, including service procedures, billing, applications or transfers in service, meters, service lines and emergency contacts. These Rules and Regulations will become effective for all users on October 1, 2006. Copies will be available at the University's Facilities Operations Building at 25 LeDoyt Road, Unit 3252, Storrs, Connecticut, or on their Web site at www.facilities.uconn.edu.

SYSTEM DESCRIPTION

The University owns and operates the Main Campus Water System at Storrs and the Depot Campus Water System in Mansfield. Even though the two systems are interconnected, the quality of water within each system can vary. The Main Campus receives water from gravel-packed wells located in the Fenton River and Willimantic River well fields. The Depot Campus receives water only from the Willimantic River well field. Our wells do not pump directly from the Fenton and Willimantic Rivers; rather, the wells are located near the rivers and pump groundwater from extensive underground aquifers. As groundwater moves very slowly through the fine sands that make up these aquifers, the water is naturally filtered. The result is water of excellent chemical, physical, and bacteriological quality pumped from each well field. The only water treatment added is sodium hydroxide for pH adjustment and corrosion control, and chlorine for disinfection. The University continues to have an ample supply of high quality drinking water to meet the needs of its on-campus and off-campus users. In addition, it has over 7,500,000 gallons of water storage capacity to meet all domestic, process, and fire protection needs. Large booster pumps help maintain adequate system pressures, and emergency generator power ensures continued operation during electric power outages.

SOURCE PROTECTION



The University is committed to protecting not only its wells and well fields, but also the Fenton and Willimantic Rivers, which are invaluable water resources. All significant construction projects undertaken by the University undergo a series of environmental reviews pursuant to the Connecticut Environmental Policy Act (CEPA). This process, administered through the State's Office of Policy and Management, provides numerous state agencies, organizations, environmental groups, and the general public with an opportunity to review and comment on a project relative to its potential environmental impact. The University also cooperates with Windham Water Works regarding watershed inspections on the Main Campus. This interaction is designed to protect both the Fenton River well field and the Fenton River itself.

The University utilizes its aquifer mapping information to better understand the areas of groundwater recharge. This hydraulic evaluation, required by the Department of Environmental Protection (DEP), delineates the critical areas of direct recharge that must be protected. The Connecticut Department of Public Health (DPH), in conjunction with the Department of Environmental Protection, has on record its Source Water Assessment

Program (SWAP) report on the Fenton River and Willimantic River wells. This report evaluates potential sources of contamination near our wells. The University's well fields have an Overall Susceptibility Rating of "LOW", the highest possible rating. To ensure continued source protection however, the University will remain vigilant in protecting all of its water supply sources in the years to come. For more information regarding the SWAP report, visit DPH's Web site at

http://www.dph.state.ct.us/BRS/Water/Source_Protection/SWAP/SWAP.htm.

REGULATORY OVERSIGHT

During 2005 the University expanded its operating contract with New England Water Utility Services, Inc. which now serves as both the University's chief water treatment operator and provides daily operation and management of the water systems.

In order to ensure that tap water is safe to drink, the Federal Environmental Protection Agency (EPA) and the State of Connecticut Department of Public Health (DPH) established regulations that limit the amount of certain contaminants in the water provided by public water systems. Water quality testing is an ongoing process, and the frequency of testing for each parameter varies as prescribed by these drinking water regulations. The compounds/contaminants shown in the "Examples of Tests Conducted" section of this report illustrates various kinds of tests conducted on the University's water supply. Due to testing schedules, not all of these tests were required during 2005, but the most recent test data are shown in the table. The University's water systems are tested regularly at state certified laboratories to ensure compliance with state and federal water quality standards. Water samples are collected for water quality analyses from our wells, from entry points into our systems and from sample locations within our distribution system.

EDUCATIONAL INFORMATION

Consumer Confidence Reports are required to contain public health information for certain contaminants and compounds, even if the levels detected were less than the Maximum Contaminant Levels established for those parameters. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline (800-426-4791). Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk for infections. These people should seek advice about drinking water from their health care providers. EPA and the Federal Center for Disease Control guidelines on reducing the risk of infection by *Cryptosporidium* and other microbial contaminants are available from EPA's Safe Drinking Water Hotline (800-426-4791).

CRYPTOSPORIDIUM. *Cryptosporidium* is a microbial parasite found in surface waters throughout the U.S. Since the University uses ground water (wells) rather than surface water (reservoirs), the University is not required to test for *Cryptosporidium*.

COPPER & LEAD. The University currently meets regulatory requirements for both lead and copper. Lead and copper were tested in 2004 (Depot Campus) and 2005 (Main Campus). None of the samples collected exceeded the Action Levels for lead or copper. Nonetheless, the University believes it is important to provide its customers with the following information regarding lead and copper. It is possible that lead levels in your home (building) may be different from other homes (buildings) in the community as a result of the age and type of plumbing materials. Infants and children who drink water containing lead in excess of the Action Level could experience delays in their physical or mental development. Children could show slight deficits in attention span and learning abilities. Adults who drink this water over a period of many years could develop kidney problems or high blood pressure. Copper is an essential nutrient, but like lead, its levels can vary from location to location. Some people who drink water containing copper in excess of the Action Level over a relatively short amount of time could experience gastrointestinal distress and may also suffer liver or kidney damage. People with Wilson's disease should consult their personal physician.

If you are concerned about elevated lead or copper levels, you may wish to have your water tested. Running your tap for 30 seconds to two minutes before use will significantly reduce the levels of lead and copper in the water. Additional information on lead and copper is available from EPA's Safe Drinking Water Hotline (800-426-4791). Lead and copper levels will be tested again in 2008 (Main Campus) and 2007 (Depot Campus).

WATER CONSERVATION

Despite its growth and development over the years, the University used less water in 2005 than it did 15 years ago. For example, in 1989 the amount of water used on an average day at Main and Depot Campuses was 1.62 million gallons. In 2005 the average day demand for the two systems was 1.49 million gallons.

This reduction did not happen by accident, but resulted from deliberate actions taken to conserve water. Over the years the University has invested considerable resources in the areas of repairing leaks, installing water-saving devices, installing more efficient water chillers, replacing old water mains with new ones and retrofitting/replacing equipment with more efficient methods.

As noted in the letter to consumers (page one), a complete leak detection survey was completed in 2005. All detected leaks were repaired, and water system operations were changed to maximize water efficiencies, thereby reducing wasted water.

WHY SHOULD YOU CONSERVE WATER?

Effective water conservation is the combination of individual actions. Conservation will:

- Reduce potential impacts to the environment by reducing groundwater withdrawals.
- Reduce the need for additional sources of water.
- Reduce the cost of water.
- Ensure that we all have a safe and adequate supply of water for years to come.

CONSERVATION TIPS

Things you can do to help the University conserve water:

In the workplace (on & off campus):

- Turn off faucets when not in use.
- Install water-efficient fixtures and equipment.
- In UCONN buildings, promptly report leaks to Facilities Operations at 486-3113.

In your personal residence (on & off campus):

- Repair leaks. In UCONN dorms, promptly report leaks to your Resident Advisor. In other campus buildings, report leaks to Facilities Operations at 486-3113.
- Install water-saving shower heads and toilets.
- Take shorter showers.
- Turn off faucets and showers when not in use.
- Wash full loads in washing machines/dishwashers.
- Limit running water in food preparation.
- Limit outdoor watering to early mornings or evenings and do not water on windy days.
- Mulch around plants to reduce evaporation.
- Limit running water time when washing a car, or use a car wash.

WATER QUALITY

As water travels over the land surface and/or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material and can pick up substances resulting from the presence of animals or human activity. Drinking water, including bottled water, may be reasonably expected to contain at least small amounts of some contaminants. The presence of these contaminants does not mean that there is a health risk. Typically, each year the University tests the water for contaminants/compounds; however, the EPA and DPH allow us to test certain contaminants less frequently because of our previous years' acceptable water tests. The table below lists all water contaminants/compounds detected during the 2005 calendar year. Some of the data, though more than one year old, is considered representative of current water quality. Any contaminant/compound detected in the latest round of testing is included in the table. In 2002, the University also tested for "Unregulated Contaminants." All results were below detection levels.

Water Quality Test	MCL	MCLG	Main Campus			Depot Campus			Possible Contaminant Source
			Highest Level Detected	Range of Detections	MCL Exceeded?	Highest Level Detected	Range of Detections	MCL Exceeded?	
Copper (ppm)	AL 1.3	AL 1.3	0.067	no sample above AL	No	0.36 (2004)	--	No	Corrosion of household plumbing systems
Lead (ppm)	AL 15	AL 0	5.7	1 sample above AL	No	6 (2004)	--	No	Corrosion of household plumbing systems
Barium (ppm)	2	2	0.013	ND-0.013	No	0.013	NA	No	Erosion of natural deposits
Chloride (ppm)	250	NA	20	11-20	No	22	20-22	No	Erosion of natural deposits
Nitrate (ppm)	10	10	1.0	0.18-1.0	No	1.0	--	No	Runoff from fertilizer use
Nitrite (ppm)	1	1	<0.05	ND-<0.05	No	<0.05	--	No	Runoff from fertilizer use
Sodium (ppm)	NL=28	NA	23	21-23	No	24	22-24	No	Erosion of natural deposits
Turbidity (ntu)	TT (5 ntu)	NA	5	0.10-5	No	1.9	0.15-1.9	No	Soil runoff, pipe sediment, or precipitation of minerals or metals
Total Coliform Bacteria	presence in >5% of mo. samples	0	0	--	No	0	--	No	Naturally present in the environment
Alpha Emitters (pCi/L)	15	0	4.75(2003)	--	No	4.74 (2003)	--	No	Erosion of natural deposits
Beta Emitters (pCi/L)	50	0	3.2(2003)	--	No	3.2 (2003)	--	No	Erosion of natural deposits
Chlorine	MRDL 4	MRDLG 4	1.18	0.0-1.18	No	0.61	0.0-0.61	No	Water additive used to control microbes
HAA5 (ppb) [Haloacetic acids]	60	NA	<0.001	<0.001-0.001	No	ND	ND	No	By-product of drinking water disinfection
TTHMs (ppb) [Total Trihalomethanes]	80	0	7.0	1.6-7.0	No	10.4	--	No	By-product of drinking water disinfection

DEFINITIONS & KEY TERMS

MCL (Maximum Contaminant Level): The highest level of a contaminant allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology. Typically when MCLs are exceeded a violation occurs and public notification is required.

MCLG (Maximum Contaminant Level Goal): The level of a contaminant in drinking water below which there is no known or expected health risk. MCLGs allow for a margin of safety.

MRDL (Maximum Residual Disinfection Level)

MRDLG (Maximum Residual Disinfection Level Goal)

Detected Contaminant: A detected contaminant is any contaminant measured at or above a **Method Detection Level:** Just because a contaminant is detected does not mean that its MCL is exceeded or that there is a violation.

Action Level (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

n/a: Not applicable.

ND: Not detected.

NL: Notification level.

ppb: One part per billion = ug/L; the equivalent of 1 penny in \$10,000,000.

ppm: One part per million = 1 mg/l; the equivalent of 1 penny in \$10,000.

PCi/L: (picocuries per liter) A measure of radioactivity.

TT: Treatment technique (a required process intended to reduce the level of a contaminant in drinking water).

<: Less than.

2005 REGULATORY MATTERS & VIOLATIONS

Turbidity is a measure of the cloudiness of the water. We monitor it because it is a good indicator of water quality. High turbidity can hinder the effectiveness of disinfectants.

Color in groundwater systems is commonly caused by the precipitation of metals such as iron or manganese.

Main Campus:

(1) Treatment Technique (TT) MCL for turbidity is 5 ntu. On 1/10/05 there was turbidity test result of 5.1 ntu for a sample collected from the Main Campus. This test result was reported to the state Department of Public Health (DPH).

(2) The secondary color standard of 15 was exceeded with one sample of 40 from the Main Campus on 7/19/05. This test result was reported to the DPH.

Depot Campus:

(1) The secondary color standard of 15 was exceeded with one sample of 16 from the Depot Campus on 2/1/05. This test result was reported to the DPH.

EXAMPLES OF TESTS CONDUCTED

MICROBIOLOGICAL

coliform bacteria
E.coli bacteria

RADIOACTIVITY

gross alpha
gross beta
radium 226
radium 228

UNREGULATED CONTAMINANTS

2,4-dinitrotoluene
2,6-dinitrotoluene
acetochlor
DCPA mono-acid d.
DCPA di-acid d.
4,4'-DDE
EPTC
molinate
MTBE
nitrobenzene
terbacil
perchlorate

SANITARY CHEMICALS

ammonia (N)
alkalinity
hardness
iron
manganese
sodium

INORGANICS

antimony
arsenic
asbestos
barium
beryllium
cadmium
chloride
chromium
copper
cyanide
fluoride
lead
MBAS
mercury
nickel
nitrate (N)
nitrite (N)
selenium
silver
sulfate
thallium

PESTICIDES/ HERICIDES/

PCBS

alachor
aldicarb
aldicarb sulfoxide
aldicarb sulphone
aldrin
atrazine
benzo(A)pyrene

butachlor
carbaryl
carbofuran
chlordane
dalapon
di(2-ethylhexyl)adipate
di(2-ethylhexyl)phthalates
dicamba
dieldrin
dinoseb
diquat
dibromochloropropane
2,4-D
ethylene dibromide (EDB)
endrin
endothall
glyphosate
heptachlor
heptachlor epoxide
hexachlorobenzene
hexachlorocyclopentadiene
3-hydroxycarbofuran
lindane
methoxychlor
methomyl
metolachlor
metribuzin
oxamyl
picloram
propachlor
simazine
2,3,7,8-TCDD

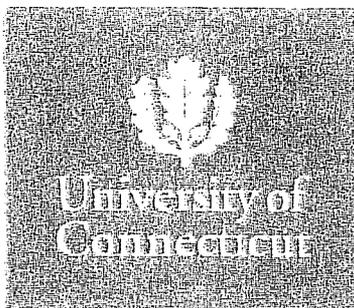
VOLATILE ORGANICS

polychlor. biphenyls
Pentachlorophenol
toxaphene
2,4,5 TP (silvex)
benzene
bromobenzene
bromomethane
n-butyl benzene
carbon tetrachloride
chlorobenzene
chloroethane
chloromethane
o-chlorotoluene
p-chlorotoluene
dibromomethane
m-dichlorobenzene
o-dichlorobenzene
p-dichlorobenzene
1,1-dichloroethane
1,2-dichloroethane
1,1-dichloroethylene
cis-1,2-dichloroethylene
trans-1,2-dichloroethylene
dichloromethane
1,2-dichloropropane
1,3-dichloropropane
2,2-dichloropropane
1,1-dichloropropene
1,3-dichloropropene
ethylbenzene
methyl tert butyl ether
naphthalene

n-propyl benzene
styrene
1,1,1,2-tetrachloroethane
1,1,2,2-tetrachloroethane
tetrachloroethylene
toluene
total trihalomethanes
bromodichloromethane
bromoform
chlorodibromomethane
chloroform
1,1,1-trichloroethane
1,1,2-trichloroethane
1,2,4-trichlorobenzene
trichloroethylene
1,2,3-trichloropropane
1,2,4-trimethylbenzene
1,3,5-trimethylbenzene
vinyl chloride
xylenes (total)
m-xylene
o-xylene
p-xylene

PHYSICAL

color
odor
pH
turbidity



Water System Update Fall 2006

Message to the Consumer:

UConn provides important drinking water, fire protection and wastewater treatment services to the University community and other state, municipal, commercial and residential facilities adjacent to the Main and Depot campuses. The University has been moving aggressively to repair infrastructure, improve current performance and plan for future water and wastewater system needs. I write to provide you with an overview of the significant improvements that have either been completed or are underway to improve water-related services. The attached materials describe:

- our contract with Connecticut Water Company's subsidiary, New England Water Utility Services to operate and manage our water system;
- system improvements and investments that have been completed to date;
- system master planning efforts; and
- the status of other matters of interest such as the Fenton River, Water Supply Plan and Aquifer Mapping

I also want to invite water and wastewater systems users, interested parties and members of the public to attend the next scheduled meeting of the University of Connecticut Water and Wastewater Systems Policy Advisory Committee on Thursday, September 14, 2006, at 5:30 PM in Room 146 of the Bishop Center to learn more about our efforts in these areas.

The Advisory Committee is a management level committee comprised of University, town and area representatives that was recently established to guide the operation and development of the University's water supply and wastewater treatment systems. In addition to UConn personnel, the eight-person committee includes two representatives of the town of Mansfield and a representative of the Willimantic Water Commission. It is anticipated that the committee will meet 4 times annually. Its major functions are to review the systems operational and environmental performance, provide guidance to a new master planning process and review requests for new connections. It provides a forum to discuss important water related matters that affect the University and the community.

Finally, the University has developed and adopted Rules and Regulations for water customers that will go into effect as of October 1, 2006. These rules reflect standard practices governing services, meters, billing and collection and fire protection. Also, in June the UConn Board of Trustees approved a rate increase for unmetered off-campus water and sewer users, as well as a new rate design for our metered customers. Details of the new rate structure, which is scheduled to become effective on October 1, 2006, are attached.

We look forward to working together to meet the water supply needs of the University and the community. Please feel free to contact me in the meantime should you have any questions.

Sincerely,

Thomas Q. Callahan
Interim Associate Vice President, Administration and Operations

The University has contracted with Connecticut Water Company subsidiary New England Water Utilities Services, Inc. (NEWUS) to operate, manage and maintain the University's water supply system. The University and NEWUS recently signed a two-year contract that includes provisions to extend the agreement for up to an additional two-years.

The NEWUS contract also provides access to extensive engineering, planning, water quality, water resource, financial, managerial, and customer service staff and expertise.

NEWUS' Pete Pezanko is the system's chief operator who provides day-to-day leadership and control over the University's production, treatment and distribution systems. Mr. Pezanko is a thirty year water system professional. He's worked for Connecticut Water Company since 1999, most recently serving as the chief operator for the Barnstable Massachusetts water system. Tim Tussing, the University's Utilities Manager, provides oversight of the NEWUS agreement. Mr. Tussing joined the University last July having previously served as the water and wastewater superintendent for the towns of East Lyme, Stonington, West Haven, North Haven and New London.

Water Improvements and Investments

The University has invested approximately \$1 million since October 2005 to improve the performance and reliability of our water supply system.

Key projects completed include the replacement of approximately 2,000 feet of main transmission line from our Willimantic wellfield, the redevelopment of three Willimantic wells along with well pump and motor upgrades, and the installation of new meters (production and in-stream flow meters) at both wellfields. NEWUS and the University also performed a system-wide leak detection survey and completed the required repairs. These improvements allow us to reduce system leakage, more accurately measure system water production and manage/coordinate our withdrawals in order to minimize impacts on river flows.

Water System Management

The University has retained a qualified consultant to develop a master plan for the University's water supply and wastewater treatment systems. In developing the plan, the consultant will 1) assess the systems operational capabilities and conditions; 2) identify and assess alternative ownership and/or governance options and assess each option's financial value; and 3) guide consultation, deliberation and negotiation among the University, town and state regulatory authorities regarding the intermediate and long-term ownership, operation, management and maintenance of these systems. The town of Mansfield has agreed to jointly commission the study with the University.

Fenton River: In July, the Connecticut Office of Policy and Management, in consultation with the Connecticut Departments of Environmental Protection and Public Health, approved the Fenton River study, formally known as the *Long-Term Impact Analysis of the University of Connecticut's Fenton River Water Supply Wells on the Habitat of the Fenton River*.

The report was completed by an interdisciplinary team of University faculty led by Dr. Glenn S. Warner, Associate Professor of Natural Resources Management and Engineering, and stewarded by a technical advisory group representing diverse community and environmental interests convened by UConn Director of Environmental Policy, Rich Miller. The report concluded that fish habitat becomes reduced when stream flow drops during natural low-flow periods and that the University's wells serve to exacerbate those low-flow under certain conditions.

The report includes a dozen recommendations designed to preserve fish habitat during times of low flow in the Fenton River. NEWUS and the University have already implemented several of the system improvements recommended by the study and are prepared to implement the wellfield management strategies also recommended by the study.

Water Supply Plan: In May, the Connecticut Department of Public Health (DPH) approved the University's 2004-2009 Water Supply Plan. The plan was originally submitted to the DPH in the spring of 2005. It was resubmitted in the spring of 2006 after plan revisions were made in response to comments received from the Connecticut Department of Environmental Protection, the Mansfield Town Council and Planning and Zoning Commission, other interested parties and members of the public.

A copy of the plan is available at the University's Facilities Operations offices, Mansfield Town Hall or electronically at the Facilities Operations webpage.

Willimantic River Aquifer Mapping: The University has retained a consultant to complete the Level A mapping of its Willimantic River wellfield. The purpose of the study is to more precisely delineate the wellfield's direct recharge area. The report is expected to be submitted for Connecticut DEP approval by the end of the year. A similar study for the Fenton River was approved in 2002.

Over the years, the University's water supply system has grown to provide services to many non-university users including other state agencies (Northeast Corrections facility); the Town of Mansfield (Town Hall, Community Center, Holinko Estates, Rehabilitation and Nursing Center); approximately 100 single family residences; and several commercial retail and apartment complexes. Non-university affiliated users currently account for 10-13 percent of the water system's daily demand. With few exceptions, this growth occurred without formal terms and conditions governing the rights and responsibilities of the University and the user about such matters as services, meters, billing and collection and fire protection.

We have worked closely with NEWUS to develop rules and regulations that reflect standard supply system practices yet are tailored to meet the specific circumstances and requirements of the University's system. The rules and regulations were approved by the University's Board of Trustees in June and are scheduled to become effective October 1, 2006. A copy is enclosed and can also be found on the University's Facilities Operations website (www.facilities.uconn.edu). Draft rules and regulations for sewer users will be presented to the University's Board of Trustees later this year.

Also in June, the Board of Trustees approved a 7.9 percent rate increase for unmetered off-campus water and sewer users, as well as a new rate structure for our metered customers. The three-tiered structure is designed to encourage conservation and will result in a 7.9 percent rate increase for a metered commercial user using 20,000 cubic feet annually. This change places the University in line with the practices of a growing number of providers, including Windham Water Works. The Board of Trustees last approved a rate increase in 2004 and prior to that in 1999. The new rates, which are listed below, are scheduled to become effective on October 1, 2006.

Service Type	Proposed Annual Charge		Current Annual Charge	
	Water	Wastewater	Water	Wastewater
Unmetered Residential	\$340	\$357	\$315	\$330
Metered Commercial	\$3.08 per 105% of 100 cu/ft water charge		\$108*	\$105% of water charge

** for first 1,200 cubic feet. \$2.54 for next 10,000 cubic feet; \$2.03 for >11,200 cubic feet*



**Town of Mansfield
Agenda Item Summary**

To: Town Council
From: Matt Hart, Assistant Town Manager *MH*
CC: Martin Berliner, Town Manager; Mary Stanton, Town Clerk
Date: September 25, 2006
Re: Resolutions Accepting LHS Associates and the Interactive Voting Systems Voting Machines

Subject Matter/Background

The Town of Mansfield has been chosen as one of 25 towns in the state that will be part of a pilot program for the November 7, 2006 election. We will be using the ballot scanning equipment provided by LHS Associates. Additionally, all Connecticut municipalities will be installing Interactive Voting Systems (IVS) that will bring us into compliance with the Help America Vote Act by ensuring private and independent voting capabilities for persons with disabilities.

Financial Impact

The Office of the Secretary of the State, through the Help America Vote Act, has the funds available to cover the machines and the initial associated training and programming cost.

Recommendation

In order to finalize the acceptance by the town of the above voting technologies it is respectfully requested that the Town Council approve the following resolutions.

RESOLVED,

WHEREAS, the Help America Vote Act of 2002 has developed a uniform set of requirements for each voting system used in an election for federal office;

WHEREAS, included among the requirements of the Help America Vote Act is a provision that every polling place must maintain at least one voting machine created to ensure private and independent voting capabilities for persons with disabilities;

WHEREAS, the "IVS voting system" has been recognized to be in compliance with the requirements of the Help America Vote Act, including the provision of accessibility for persons with disabilities;

WHEREAS, the Office of the Secretary of the State of Connecticut has used federal funds advanced through the Help America Vote Act to purchase voting machines in compliance with this said accessibility provision of the Help America Vote Act, these being the "IVS voting system";

WHEREAS, the Town of Mansfield is a municipality in the State of Connecticut;

WHEREAS, the Town of Mansfield through its elected officials and the employees thereof, is responsible for conducting primaries and elections, federal and otherwise, within its borders;

WHEREAS, the Town of Mansfield, through its legislative body is responsible for providing suitable voting machines for use within its own municipality;

THEREFORE, the legislative body of the Town of Mansfield hereby accepts ownership of the said "IVS voting system" and will begin to use said voting machines with the election to be held on November 7, 2006.

RESOLVED,

WHEREAS, the Help America Vote Act of 2002 has developed a uniform set of requirements for each voting system used in an election for federal office;

WHEREAS, the Election Assistance Commission has determined that lever voting machines are not compliant with the requirements of the Help America Vote Act;

WHEREAS, the Office of the Secretary of the State of Connecticut has used federal funds advanced through the Help America Vote Act to purchase voting machines in compliance with this law, these being the "LHS optical scan voting machines";

WHEREAS, the Town of Mansfield is a municipality in the State of Connecticut;

WHEREAS, the Town of Mansfield, through its elected officials and the employees thereof, is responsible for conducting primaries and elections, federal and otherwise, within its borders;

WHEREAS, the Town of Mansfield, through its legislative body is responsible for providing suitable voting machines for use within its own municipality;

THEREFORE, the legislative body of the Town of Mansfield hereby accepts ownership of the said "LHS optical scan voting machines" and will begin to use said voting machines with the election of November 7, 2006.

Attachments

- 1) Press Release from the Office of Secretary of the State Susan Bysiewicz

From the Office of Secretary of the State Susan Bysiewicz

FOR IMMEDIATE RELEASE
Wednesday, September 13, 2006

CONTACT: Dan Tapper, 509-6259
324-9862 (Cell)

**SECRETARY OF THE STATE BYSIEWICZ ANNOUNCES
25 CITIES AND TOWNS TO BEGIN USING
OPTICAL SCAN VOTING MACHINES THIS YEAR**

New technology will replace lever voting machines in November election

HARTFORD – At a news conference today at the State Capitol, Secretary of the State Susan Bysiewicz announced that twenty-five (25) cities and towns will use new optical scan voting machines during this November's election. The optical scan machines will replace lever machines in those municipalities, **and a complete list of those cities and towns is attached to this press release.**

The twenty-five cities and towns were chosen following a survey in which every municipality in Connecticut took part, where officials were asked if they would like to be considered for the new technology this year or wait until the 2007 elections. A total of fifty-one (51) cities and towns expressed an interest in beginning this year, and the twenty-five were chosen from there.

"I want to thank the officials from every city and town in Connecticut today for taking part in our office's survey, particularly Registrars of Voters. Their quick response to this survey helped us to decide which municipalities would begin using optical scan technology this year and which would wait until 2007. For those twenty-five cities and towns chosen, we appreciate their willingness to come forward this year, and we look forward to working with them in preparation of the November 7th election," Secretary Bysiewicz said.

LHS Associates is the company chosen by the Office of the Secretary of the State in August to ultimately provide the state with 1,538 optical scan machines to replace all 3,300 lever voting machines in Connecticut by November 2007. They will provide these twenty-five towns with 253 optical scan machines and 1,167 privacy booths within in the next month, well in time for the November election, Secretary Bysiewicz said today.

"As our office considered potential new technologies, the principles of security, accessibility and reliability guided our decision-making. We chose optical scan

*****MORE*****

technology because it provides a level of security needed to ensure the short-term and long-term integrity of our elections," Secretary Bysiewicz said.

Optical scan voting technology, in which a voter fills out a paper ballot and then scans it into a machine for verification, is the most common form of voting technology in America today, with more than half of the counties in America voting on optical scan machines. Optical scan technology also provides a paper trail for every vote case, in compliance with state law and the federal Help America Vote Act. The state will use \$15.7 million in federal funds to purchase optical scan machines and privacy booths for every municipality by 2007, and to also cover the cost of all necessary training.

Secretary Bysiewicz and officials LHS Associates are currently in the midst of visiting twenty cities and towns where regional demonstrations of the optical scan machines are held. Seven towns have been visited so far, and a total of twenty will be visited by October 12th.

State Senator Gary D. LeBeau (D-East Hartford), who represents both East Hartford and South Windsor, said, "I'm ecstatic. South Windsor and East Hartford are going to get a head-start on the rest of the state in the use of this new technology. I have no doubt that the voters in these two communities will be comfortable with and successful with optical scan technology. We'll be pros by Election Day 2007."

Herb Rosenthal, First Selectman of Newtown, said, "We are very pleased that Newtown has been selected as one of the towns to use this new technology this year. Optical scan technology provides us with security and reliability needed to maintain the integrity of our elections. We look forward to having our voters use these machines this year, and we thank the Secretary of the State's office for the help it has provided."

Sandra Russo, Town Clerk of Middletown and President of the Connecticut Town Clerk's Association, said, "Middletown is very happy to have been chosen as one of the towns to introduce this new voting technology this year. Our residents are very excited to be taking part, and we will have a very successful election."

Jan Murtha, Republican Registrar of Voters in South Windsor, said, "I am happy we are finally there. I've wanted to use this machine since we first tried it in South Windsor in 1994, and I am happy we are finally using it."

Judi Beaudreau, Democratic Registrar of Voters in Vernon, added, "We are very excited in Vernon. I've been pushing for this machine since 1993, and I'm glad we're finally going to be using it."

Shirley Surgeon, Democratic Registrar of Voters in Hartford, said, "I am very pleased the voters of Hartford will now have a paper trail when they vote, and they will know their votes are going to be counted."

#####

Municipality	Registered Voters	Polling Places	Machines	Privacy Booths
Ashford	2,800	1	3	12
Bethlehem	2,700	1	3	11
Bolton	5,200	1	3	21
Durham	4,900	2	5	20
East Hartford	25,000	7	15	100
East Haven	15,000	7	15	60
East Lyme	11,200	3	7	45
Hartford (4 precincts)	46,000	4	9	32
Litchfield	6,100	4	9	25
Mansfield	10,000	3	7	40
Middletown	24,000	14	29	96
Monroe	12,500	4	9	50
Montville	9,300	6	13	38
Newington	18,500	8	17	74
Newtown	15,500	4	9	62
Old Lyme	5,800	1	3	24
Salisbury	2,900	1	3	12
Southington	26,700	12	25	107
South Windsor	15,500	5	11	62
Tolland	9,400	2	5	38
Vernon	16,000	6	13	64
Westbrook	4,200	2	5	17
Wethersfield	17,500	10	21	70
Wilton	11,200	3	7	45
Wolcott	10,300	3	7	42
TOTAL	328,000	114	253	1,167

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**Town of Mansfield
Agenda Item Summary**

To: Town Council
From: Matt Hart, Assistant Town Manager *MWH*
CC: Martin Berliner, Town Manager; Jeffrey Smith, Director of Finance
Date: September 25, 2006
Re: Budget Transfers for FY 2005/2006

Subject Matter/Background

Attached please find the recommended budget transfers for FY 2005/06, as well an explanatory memorandum from the Director of Finance.

Recommendation

Staff will be available to take any questions that the Town Council may have, and recommends that the Council approve the budget transfers as presented.

If the Town Council supports this recommendation, the following motion is in order:

Move, effective September 25, 2006, to approve the Budget Transfers for FY 2005/06, as presented by the Director of Finance in his correspondence dated August 25, 2006.

Attachments

- 1) J. Smith re: Budget Transfers for FY 2005/2006
- 2) Town of Mansfield, Legal Budget Transfers

INTEROFFICE MEMORANDUM

TO: MANSFIELD TOWN COUNCIL
FROM: JEFFREY H. SMITH
SUBJECT: BUDGET TRANSFERS 2005/2006
DATE: 8/29/2006

In the March 31, 2006 Quarterly Financial Report I reported to you that I anticipated that Town expenditures would exceed the budget by as much as \$290,000. While the final result was less than that, we did in fact over expend the Town General Fund Budget by nearly \$198,000. The major areas overspent were energy costs of \$102,000, Patrol Services of \$54,408, repairs and maintenance for buildings and vehicles of \$20,250, and fee waivers of \$27,650. Also built into the budget was a \$20,000 deficit when it was adopted.

Listed below are requested budget transfers for fiscal year 2005/2006. Sufficient funds are available because our authorized transfer of \$230,500 to the CNR Fund was not made in anticipation of over expenditures in other areas of the budget.

A brief description of transfers and additional appropriations in excess of \$1,000 are listed below:

- Legislative – Increase \$14,722 – Increase primarily due to Audit Expenses being higher than originally anticipated. Also Community Events expenditures were significantly higher than budgeted due to the fireworks display during the “Celebrate Mansfield Weekend.”
- Municipal Management - Increase \$2,803 – Employee salaries were under budgeted.
- Human Resources – Increase \$ 17,048 – Increase primarily due to cost of legal services. Expenditures for Medical Services and Advertising were also greater than anticipated. Staff Development expenditures were greater due to numerous retirements and the increased participation in the Well Call program.
- Town Clerk – Increase \$2,801 – Advertising, Indexing & Recording expenditures were overspent due to the increase costs for the services provided.
- General Elections – Increase \$1,198 – Increase due to the increase in costs for Printing and Binding. Primary expenditures were also greater than anticipated for salaries and meals.
- Finance Administration – Increase \$1,270 – Salary account was under budgeted.

- Revenue Collections – Increase \$26,838 – Increase due to the payout of benefits to the retiring Revenue Collector. Also Professional & Technical expenditures were overspent due to the billing by the State for the cost of assistance provided by the DMV in collecting delinquent motor vehicle taxes. This cost was more than anticipated..
- Central Services – Increase \$4,433 – Increase to Professional & Tech Services for the consultant reports for the Community Center and the Senior Center. The Community Center report primarily dealt with management issues while the Senior Center report dealt with accounting issues.
- Patrol Services – Increase \$54,408 – This budget was significantly under estimated primarily due to a State Police retroactive salary settlement.
- Animal Control – Increase \$3,316 – Increase in salaries due to the hours spent on the animal neglect/abuse case.
- Fire Marshal – Increase \$ 1,562 – Increase primarily in Reference Books & Periodicals
- Public Works Equipment Maintenance – Increase \$93,617 – Primarily overspent due to the high cost of diesel fuel and gasoline. Also more was spent for truck parts than anticipated.
- Building Inspection – Increase \$3,992 – Increase due to expenses for Professional and Technical expense for Part-Time Building Inspector.
- Maintenance of Buildings – Increase \$ 64,059 - The cost of fuel oil and gas was approximately \$27,000 over budget and Natural Gas was approximately \$22,000 over budget. Electricity costs were over budget approximately \$7,200. Building and Equipment Repairs were also over budget by approximately \$4,200. Overtime was over budget by approximately \$4,000.
- Recreation Administration – Increase \$14,545 – Primarily due to lump sum payment for Uncompensated Over Time per agreement with State Department of Labor and a mid year upgrade for the Administrative Services Manager.
- Employee Benefits – Increase \$8,760 – Increase primarily due to the MERS percentage was increased by the State Retirement Commission after the budget was adopted.
- Fee Waiver – Increase \$27,649 – Increase to cover the actual cost of fee waivers issued.

Town of Mansfield
 Legal Budget Transfers
 FY 2005/2006
 FOR COUNCIL APPROVAL

Account No.	Description	Approved Budget	Add'l.	Reduction	Adjusted Approp.	Legal Expend	Balance
111 11100 54999 06	Legislative	\$ 60,000	\$ 14,722	\$ -	\$ 74,722	\$ 74,722	\$ -
111 12100 54999 06	Municipal Mgmt.	204,860	2,803	-	207,663	207,663	-
111 12200 54999 06	Human Resources	67,400	17,048	-	84,448	84,448	-
111 13100 54999 06	Town Attorney	20,000	-	(11,964)	8,036	8,036	-
111 13200 54999 06	Probate	2,025	59	-	2,084	2,084	-
111 14200 54999 06	Registrars	30,250	-	(9,058)	21,192	21,192	-
111 15100 54999 06	Town Clerk	175,110	2,801	-	177,911	177,911	-
111 15200 54999 06	General Elections	9,300	1,198	-	10,498	10,498	-
111 16100 54999 06	Finance Admin	64,580	1,270	-	65,850	65,850	-
111 16200 54999 06	Accounting & Disb.	246,030	-	(5,391)	240,639	240,639	-
111 16300 54999 06	Revenue Collections	132,340	26,838	-	159,178	159,178	-
111 16402 54999 06	Property Assessmt	162,100	-	(1,509)	160,591	160,591	-
111 16510 54999 06	Central Copying	40,000	-	(1,184)	38,816	38,816	-
111 16511 54999 06	Central Services	35,300	4,433	-	39,733	39,733	-
111 16600 54999 06	Information Technology	99,170	-	(645)	98,525	98,525	-
111 21200 54999 06	Patrol Services	766,240	54,408	-	820,648	820,648	-
111 21300 54999 06	Animal Control	76,420	3,316	-	79,736	79,736	-
111 22101 54999 06	Fire Marshal	105,120	1,562	-	106,682	106,682	-
111 22155 54999 06	Fire & Emerg Services Adm	139,770	-	(1,227)	138,543	138,543	-
111 22160 54999 06	Fire & Emerg Services	1,252,240	-	(25,910)	1,226,330	1,226,330	-
111 23100 54999 06	Emergency Management	30,730	-	(1,202)	29,528	29,528	-
111 30100 54999 06	Public Works Admin	158,760	876	-	159,636	159,636	-
111 30200 54999 06	Supervision & Operations	77,990	-	(1,284)	76,706	76,706	-
111 30300 54999 06	Road Services	642,470	-	(25,635)	616,835	616,835	-
111 30400 54999 06	Grounds Maintenance	277,575	-	(23,778)	253,797	253,797	-
111 30600 54999 06	Equipment Maintenance	338,650	93,617	-	432,267	432,267	-
111 30700 54999 06	Engineering	197,200	-	(3,350)	193,850	193,850	-
111 30800 54999 06	Building Inspection	129,040	3,992	-	133,032	133,032	-
111 30900 54999 06	Maintenance of Buildings	578,400	64,059	-	642,459	642,459	-
111 42100 54999 06	Social Service Admin.	232,910	-	(3,553)	229,357	229,357	-
111 42202 54999 06	Mansfield Challenge	2,470	842	-	3,312	3,312	-
111 42203 54999 06	Peer Outreach	360	-	(360)	-	-	-
111 42204 54999 06	Youth Employment-MMS	4,000	-	(449)	3,551	3,551	-
111 42210 54999 06	Youth Services	120,310	-	(4,907)	115,403	115,403	-
111 42300 54999 06	Senior Services	186,810	-	(3,653)	183,157	183,157	-
111 43100 54999 06	Library Administration	547,320	-	(11,904)	535,416	535,416	-
111 44100 54999 06	Recreation Administration	144,330	14,545	-	158,875	158,875	-
111 45000 54999 06	Contrib. To Area Agencies	284,830	-	(5,844)	278,986	278,986	-
111 51100 54999 06	Planning Administration	222,310	-	(6,913)	215,397	215,397	-
111 52100 54999 06	Plan/Zoning Inland/Wetland	20,350	-	(10,683)	9,667	9,667	-
111 58000 54999 06	Boards & Commissions	9,200	437	-	9,637	9,637	-
111 71000 54999 06	Employee Benefits	2,459,890	8,760	-	2,468,650	2,468,650	-
111 72000 54999 06	Insurance	113,190	-	(700)	112,490	112,490	-
111 73000 54999 06	Contingency	6,540	-	(6,540)	-	-	-
111 73000 54999 06	Fee Waiver	-	27,649	-	27,649	27,649	-
111 73000 54999 06	Town-wide Attrition Cut	(20,000)	20,000	-	-	-	-
111 92000 54999 06	Other Financing Uses	783,000	-	(197,592)	585,408	552,500	32,908
TOTAL		\$ 11,236,890	\$ 365,235	\$ (365,235)	\$ 11,236,890	\$ 11,203,982	\$ 32,908

Town of Mansfield
 Legal Budget Transfers
 FY 2005/2006
 FOR COUNCIL APPROVAL - By Function

Account No.	Description	Approved Budget	Add'l.	Reduction	Adjusted Approp.	Legal Expend	Balance
General Government							
111 11100 54999 06	Legislative	\$ 60,000	\$ 14,722	\$ -	\$ 74,722	\$ 74,722	\$ -
111 12100 54999 06	Municipal Mgmt.	204,860	2,803	-	207,663	207,663	-
111 12200 54999 06	Human Resources	67,400	17,048	-	84,448	84,448	-
111 13100 54999 06	Town Attorney	20,000	-	(11,964)	8,036	8,036	-
111 13200 54999 06	Probate	2,025	59	-	2,084	2,084	-
111 14200 54999 06	Registrars	30,250	-	(9,058)	21,192	21,192	-
111 15100 54999 06	Town Clerk	175,110	2,801	-	177,911	177,911	-
111 15200 54999 06	General Elections	9,300	1,198	-	10,498	10,498	-
111 16100 54999 06	Finance Admin	64,580	1,270	-	65,850	65,850	-
111 16200 54999 06	Accounting & Disb.	246,030	-	(5,391)	240,639	240,639	-
111 16300 54999 06	Revenue Collections	132,340	26,838	-	159,178	159,178	-
111 16402 54999 06	Property Assessmt	162,100	-	(1,509)	160,591	160,591	-
111 16510 54999 06	Central Copying	40,000	-	(1,184)	38,816	38,816	-
111 16511 54999 06	Central Services	35,300	4,433	-	39,733	39,733	-
111 16600 54999 06	Information Technology	99,170	-	(645)	98,525	98,525	-
Total General Government		1,348,465	71,172	(29,751)	1,389,886	1,389,886	-
Public Safety							
111 21200 54999 06	Patrol Services	766,240	54,408	-	820,648	820,648	-
111 21300 54999 06	Animal Control	76,420	3,316	-	79,736	79,736	-
111 22101 54999 06	Fire Marshal	105,120	1,562	-	106,682	106,682	-
111 22155 54999 06	Fire & Emerg Services Adm	139,770	-	(1,227)	138,543	138,543	-
111 22160 54999 06	Fire & Emerg Services	1,252,240	-	(25,910)	1,226,330	1,226,330	-
111 23100 54999 06	Emergency Management	30,730	-	(1,202)	29,528	29,528	-
Total Public Safety		2,370,520	59,286	(28,339)	2,401,467	2,401,467	-
Public Works							
111 30100 54999 06	Public Works Admin	158,760	876	-	159,636	159,636	-
111 30200 54999 06	Supervision & Operations	77,990	-	(1,284)	76,706	76,706	-
111 30300 54999 06	Road Services	642,470	-	(25,635)	616,835	616,835	-
111 30400 54999 06	Grounds Maintenance	277,575	-	(23,778)	253,797	253,797	-
111 30600 54999 06	Equipment Maintenance	338,650	93,617	-	432,267	432,267	-
111 30700 54999 06	Engineering	197,200	-	(3,350)	193,850	193,850	-
111 30800 54999 06	Building Inspection	129,040	3,992	-	133,032	133,032	-
111 30900 54999 06	Maintenance of Buildings	578,400	64,059	-	642,459	642,459	-
Total Public Works		2,400,085	162,544	(54,047)	2,508,582	2,508,582	-
Community Services							
111 42100 54999 06	Social Service Admin.	232,910	-	(3,553)	229,357	229,357	-
111 42202 54999 06	Mansfield Challenge	2,470	842	-	3,312	3,312	-
111 42203 54999 06	Peer Outreach	360	-	(360)	-	-	-
111 42204 54999 06	Youth Employment-MMS	4,000	-	(449)	3,551	3,551	-
111 42210 54999 06	Youth Services	120,310	-	(4,907)	115,403	115,403	-
111 42300 54999 06	Senior Services	186,810	-	(3,653)	183,157	183,157	-
111 43100 54999 06	Library Administration	547,320	-	(11,904)	535,416	535,416	-
111 44100 54999 06	Recreation Administration	144,330	14,545	-	158,875	158,875	-
111 45000 54999 06	Contrib. To Area Agencies	284,830	-	(5,844)	278,986	278,986	-
111 51100 54999 06	Planning Administration	222,310	-	(6,913)	215,397	215,397	-
111 52100 54999 06	Plan/Zoning Inland/Wetland	20,350	-	(10,683)	9,667	9,667	-
111 58000 54999 06	Boards & Commissions	9,200	437	-	9,637	9,637	-
Total Community Services		1,775,200	15,824	(48,266)	1,742,758	1,742,758	-
Town-wide Expenditures							
111 71000 54999 06	Employee Benefits	2,459,890	8,760	-	2,468,650	2,468,650	-
111 72000 54999 06	Insurance	113,190	-	(700)	112,490	112,490	-
111 73000 54999 06	Contingency	6,540	-	(6,540)	-	-	-
111 73000 54999 06	Fee Waiver	-	27,649	-	27,649	27,649	-
111 73000 54999 06	Town-wide Attrition Cut	(20,000)	20,000	-	-	-	-
Total Town-wide		2,559,620	56,409	(7,240)	2,608,789	2,608,789	-
Other Financing Uses							
111 92000 54999 06	Other Financing Uses	783,000	-	(197,592)	585,408	552,500	32,908
Total Other Financing		783,000	-	(197,592)	585,408	552,500	32,908
Total General Fund		\$ 11,236,890	\$ 365,235	\$ (365,235)	\$ 11,236,890	\$ 11,203,982	\$ 32,908

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**Town of Mansfield
Agenda Item Summary**

To: Town Council
From: Matt Hart, Assistant Town Manager *MWH*
CC: Martin Berliner, Town Manager; Gregory Padick, Director of Planning
Date: September 25, 2006
Re: Draft DEP Analysis of Eagleville Brook

Subject Matter/Background

In 2004 the Connecticut Department of Environmental Protection (DEP) added Eagleville Brook to the state's listing of impaired watercourses/waterbodies. Subsequently, the department undertook a Total Maximum Daily Load (TMDL) study (see attached), which recently was completed and has been distributed as a draft for public review. This draft analysis confirms that Eagleville Brook is impaired but does not identify a point source of pollution or specific remedial actions. The report recommends that all parties (DEP, The Town of Mansfield, The University of Connecticut and interested environmental groups) work together to improve storm water management within the watershed. The DEP has established October 6, 2006 as the deadline for receiving comments on the draft study.

At its September 18, 2006 meeting, the Mansfield Planning and Zoning Commission (PZC) authorized its Chairman to co-endorse with the Mayor a letter from the Town acknowledging receipt of the report and pledging Town cooperation. This matter has been referred to the Conservation Commission and Inland Wetland Agent and any additional review comments can be incorporated into the Town's response.

Recommendation

Staff recommends that the Town Council support the recommendation of the Director of Planning and authorize the Mayor to co-endorse a letter with the PZC Chairman that acknowledges the receipt of the draft analysis of Eagleville Brook and pledges the Town's cooperation in improving storm water management in this watershed. Any supplemental review comments from the Conservation Commission or staff shall be considered in the Town's response.

If the Town Council concurs with this recommendation, the following motion is in order:

Move, effective September 25, 2006, to authorize the Mayor to co-endorse a letter with the PZC Chairman that acknowledges the receipt of the Connecticut Department of Environmental Protection's draft analysis of Eagleville Brook and pledges the Town's cooperation in improving storm water management in this watershed.

Attachments

- 1) 9/12/06 memorandum from the Director of Planning
- 2) 9/1/06 letter from DEP to L. Hultgren, Director of Public Works
- 3) 8/30/06 draft: A Total Maximum Daily Load Analysis for Eagleville Brook, Mansfield, Ct
- 4) November 2005 DEP fact sheet on the TMDL program
- 5) 9/19/06 letter from Mansfield Planning and Zoning Commission

TOWN OF MANSFIELD
OFFICE OF PLANNING AND DEVELOPMENT

GREGORY J. PADICK, DIRECTOR OF PLANNING

Memo to: Planning and Zoning Commission
Town Council
Conservation Commission

From: Gregory Padick, Director of Planning

Date: 9/12/06

Re: Eagleville Brook
DEP TMDL Analysis



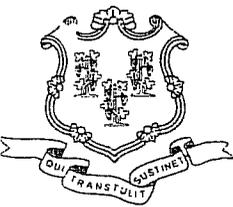
The Connecticut Department of Environmental Protection (DEP) has prepared a draft Total Maximum Daily Load (TMDL) analysis for Eagleville Brook and will consider comments on the draft that are received by 10/6/06. The draft analysis, a 9/1/06 cover letter with "Notice of Intent to Adopt" and a DEP fact sheet on the State's TMDL program are attached.

The draft DEP analysis confirms that water quality and aquatic life in Eagleville Brook have been impaired due to land use activity within the watershed. No direct point sources of contamination have been identified and the report notes that the "most probable cause of aquatic life impairments ... is a complex array of pollutants transported by stormwater." The analysis specifies that the amount of impervious cover in portions of the watershed exceed twenty-five (25) percent which is significantly higher than a DEP recommended target of eleven (11) percent for this size watershed. The analysis does not provide specific recommendations for future action, but does note that the DEP will continue to monitor the water quality of Eagleville Brook and that the department will work with watershed partners, including the Town of Mansfield, the University of Connecticut and conservation organizations to implement better storm water management.

Mansfield staff members are in the process of reviewing the draft report. Based on the review to date, no major issues that will necessitate Town comments have been identified. However, a statement pledging Town cooperation with efforts to improve stormwater management within the Eagleville Brook watershed is considered appropriate. Any other issues or comments that are identified by staff, the PZC, Town Council, or Conservation Commission can be incorporated into a joint letter from the PZC and Town Council.

To meet the 10/6/06 comment deadline, it is recommended that at the PZC's 9/18/06 meeting, the PZC Chairman be authorized to co-endorse with the Mayor, a letter from the Town. Any comments and recommendations from the Conservation Commission (which is scheduled to meet on 9/20/06) should be communicated to the Town Council for consideration at the Council's 9/25/06 meeting, at which time the Mayor can be authorized to co-endorse a letter from the Town.

Cc: Thomas Q. Callahan, UConn Interim Associate Vice President, Administration and Operations
Richard Miller, UConn Director of Environmental Policy



STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION



September 1, 2006

Lon Hultgren, Director of Public Works
Audrey P Beck Municipal Building
4 South Eagleville Road
Mansfield, CT 06268

Dear Mr. Hultgren,

On September 1, 2006, the State of Connecticut, Department of Environmental Protection, public noticed a draft water quality improvement plan, *A Total Maximum Daily Load Analysis for Eagleville Brook, Mansfield, CT* in the *Hartford Courant* and *Willimantic Chronicle*. A Total Maximum Daily Load (TMDL) Analysis is required by law under the Federal Clean Water Act for waters that do not meet Connecticut's Water Quality Standards.

Aquatic life (as measured by fish and macroinvertebrate communities) in Eagleville Brook is not meeting criteria set in Connecticut's Water Quality Standards and therefore was included on the *2004 List Of Connecticut Waterbodies Not Meeting Water Quality Standards*. At the time of the listing, the cause of the poor aquatic life in Eagleville Brook was not known. The Department has completed a Stressor Identification Analysis and has determined that the most probable cause of the degraded aquatic life is the complex array of pollutants transported by stormwater runoff.

The Department has developed a TMDL using a surrogate measure of stormwater impacts, impervious cover. Impervious cover was used to model stormwater impacts because of the known relationship between impervious cover and hydrology, pollutant loading, and impacts to aquatic life in streams. Implementation of the TMDL for Eagleville Brook will be accomplished through best management practices to control stormwater runoff to the brook.

Copies of the Public Notice, which outlines how to obtain a copy of the TMDL, and where to send comment, are enclosed for your perusal. Prior to adoption of the TMDL, the Department will consider comments that are received by **October 6, 2006**.

The Department looks forward to your comment and I encourage you to me at 860-424-3735 or christopher.bellucci@po.state.ct.us if you have questions or would like to schedule a meeting to review the TMDL.

Sincerely,

Christopher J. Bellucci
Environmental Analyst 3
Bureau of Water Protection and Land Reuse

Cc: Martin Berliner, Town Manager
Greg Padick, Town Planner

**Notice of Intent to Adopt
A Total Maximum Daily Load Analysis for the
Eagleville Brook,
Mansfield, Connecticut**

The Commissioner of the Department of Environmental Protection hereby gives notice that a Total Maximum Daily Load (TMDL) Analysis is proposed for the Eagleville Brook located in Mansfield, Connecticut. Section 303(d) of the Federal Clean Water Act requires states to develop TMDLs for all waterbodies that do not meet state water quality standards. A TMDL is a management plan designed to restore impaired waters by focusing on reducing loads of known pollutants. The Eagleville Brook TMDL focuses on reducing loads of pollutants conveyed to the brook from stormwater runoff. The goal of the TMDL is to reduce the impacts of stormwater to the aquatic life in the brook.

Prior to adoption of the TMDL, the Commissioner will consider comments that are received by October 6, 2006. Written comments should be directed to Chris Bellucci, Department of Environmental Protection, Bureau of Water Protection and Land Reuse, Planning and Standards Division, 79 Elm Street, Hartford, CT 06106-5127 or christopher.bellucci@po.state.ct.us. Copies of the proposed TMDL document may be obtained from the Department's website at <http://www.dep.state.ct.us/wtr/tmdl> or by contacting Mr. Bellucci by telephone at (860)424-3735 between the hours of 8:30 and 4:30, Monday through Friday or by mail at the address above.

August 30, 2006
Date

/s/BETSEY WINGFIELD
Betsey Wingfield

Chief
Bureau of Water Protection and Land Reuse

Appeared in: **Hartford Courant** on Friday, 09/01/2006

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**NOTICE OF INTENT TO ADOPT A TOTAL MAXIMUM DAILY LOAD ANALYSIS FOR THE
EAGLEVILLE BROOK, MANSFIELD, CONNECTICUT**

The Commissioner of the Department of Environmental Protection hereby gives notice that a Total Maximum Daily Load (TMDL) Analysis is proposed for the Eagleville Brook located in Mansfield, Connecticut. Section 303(d) of the Federal Clean Water Act requires states to develop TMDLs for all waterbodies that do not meet state water quality standards. A TMDL is a management plan designed to restore impaired waters by focusing on reducing loads of known pollutants. The Eagleville Brook TMDL focuses on reducing loads of pollutants conveyed to the brook from stormwater runoff. The goal of the TMDL is to reduce the impacts of stormwater to the aquatic life in the brook. Prior to adoption of the TMDL, the Commissioner will consider comments that are received by October 6, 2006. Written comments should be directed to Chris Bellucci, Department of Environmental Protection, Bureau of Water Protection and Land Reuse, Planning and Standards Division, 79 Elm Street, Hartford, CT 06106-5127 or christopher.bellucci@po.state.ct.us. Copies of the proposed TMDL document may be obtained from the Departments website at <http://www.dep.state.ct.us/wtr/tmdl> or by contacting Mr. Bellucci by telephone at (860) 424-3735 between the hours of 8:30 and 4:30, Monday through Friday or by mail at the address above. August 30, 2006
Betsey Wingfield Chief Bureau of Water Protection and Land Reuse

Appeared in: *Willimantic Chronicle* on Friday, 09/01/2006

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Draft

A Total Maximum Daily Load Analysis for Eagleville Brook, Mansfield, CT

Draft- August 30, 2006

This document has been established pursuant
to the requirements of Section 303(d)
of the Federal Clean Water Act

Amey Marrella
Deputy Commissioner

Date

Betsey Wingfield, Chief
Bureau of Water Protection and Land Reuse

Date



STATE OF CONNECTICUT
DEPARTMENT OF
ENVIRONMENTAL PROTECTION
79 Elm Street
Hartford, CT 06106-5127
(860) 424-3020

Gina McCarthy, Commissioner

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TABLES

Table 1	Site description and number of fish collected during electrofishing surveys completed by CTDEP.
Table 2	Site description and characteristics of benthic invertebrate assessments completed by CTDEP on October 24, 2003.
Table 3	The status of impairment for Eagleville Brook and the TMDL development priority as documented on the 2004 <i>List</i> .
Table 4	Summary of TMDL analysis.

FIGURES

Figure 1	Map of Eagleville Brook and local basins draining the area surrounding the University of Connecticut Campus, Storrs, Connecticut.
Figure 2	Map showing location of invertebrate sampling locations along Eagleville Brook.

APPENDICIES

Appendix 1	Stressor Identification for Eagleville Brook
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INTRODUCTION

A Total Maximum Daily Load (TMDL) analysis was completed for Eagleville Brook, Mansfield, Connecticut. Eagleville Brook was included on the *2004 List of Connecticut Waterbodies Not Meeting Water Quality Standards*¹ (2004 List) due to exceedences of the aquatic life criteria contained within Connecticut's *Water Quality Standards* (WQS)². Under section 303(d) of the Federal Clean Water Act (CWA), states are required to develop TMDLs for waters impaired by pollutants for which technology-based controls are insufficient to achieve water quality standards. The TMDL represents the maximum loading that a waterbody can receive without exceeding water quality criteria which have been adopted into the WQS.

Since the cause of the impairment in Eagleville Brook was unknown at the beginning of this investigation, a Stressor Identification (SI) analysis was completed to determine the most probable cause of the impairment. The SI determined that a complex array of pollutants transported by stormwater was the most probable cause of the impairment. The TMDL was developed using Impervious Cover (IC) as a surrogate parameter for a mix of pollutants conveyed by stormwater. TMDL loadings are expressed as the average percent reduction from current loadings that must be achieved to attain the designated aquatic life use.

Federal regulations require that the TMDL analysis identify the portion of the total loading which is allocated to point source discharges (termed the Wasteload Allocation or WLA) and the portion attributed to nonpoint sources (termed the Load Allocation or LA), which contribute that pollutant to the waterbody. In addition, TMDLs must include a Margin of Safety (MOS) to account for uncertainty in establishing the relationship between pollutant loadings and water quality. Seasonal variability in the relationship between pollutant loadings and WQS attainment was also considered in these TMDL analyses.

TMDLs that have been established by states are submitted to the Regional Office of the Federal Environmental Protection Agency (EPA) for review. The EPA can either approve the TMDL or disapprove the TMDL and act in lieu of the state. TMDLs provide a scientific basis for developing and implementing a Water Quality Management Plan or TMDL Implementation Plan (Plan), which describes the control measures necessary to achieve acceptable water quality conditions. Therefore, Plans derived from TMDLs typically include an implementation schedule and a description of ongoing monitoring activities to confirm that the TMDL will be effectively implemented and that WQS are achieved and maintained. Public participation during development of the TMDL analysis and subsequent preparation of the Plans is vital to the success of resolving water quality impairments. This document also includes recommendations for a water quality monitoring plan, as well as a discussion of the TMDL Implementation Plan.

WATERBODY DESCRIPTION AND PRIORITY RANKING

Eagleville Brook was listed on the *2004 List* for not meeting aquatic life use support goals, but the cause was unknown. Eagleville Brook has a 2.4 square mile drainage area and is tributary to an impoundment of the Willimantic River, Eagleville Pond. The Eagleville Brook watershed drains a portion of the University of Connecticut (UConn) campus located in the Storrs section of Mansfield, Connecticut. There are two separate sections of the upper Eagleville Brook watershed that are piped underground beneath the UConn campus (Figure 1). One section is underground for approximately 600 feet and drains an intermittent section of the upper watershed. The section downstream of Swan Lake is underground for approximately 1,700 feet and daylights just downstream of the a strip mall of the north side North Eagleville Road. A portion of the UConn campus drains to the northeast to the Fenton River watershed (Figure 1).

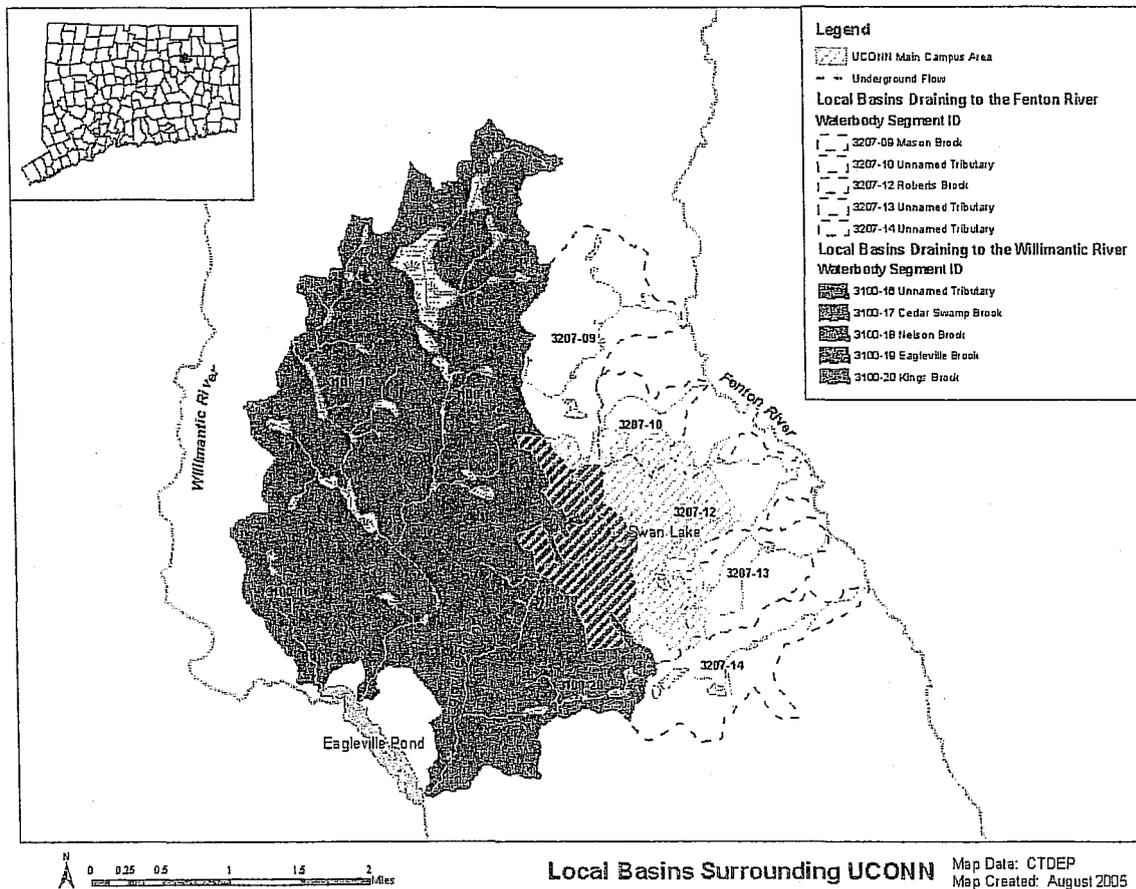


Figure 1. Map of Eagleville Brook and local basins draining the area surrounding the University of Connecticut Campus (campus outline indicated by crosshatching).

It has been determined through biological monitoring that aquatic life use goals are not being met in Eagleville Brook. The Inland Fisheries Division has conducted fish population surveys in Eagleville Brook and has observed low fish densities (Table 1) and large amounts of habitat unoccupied by fish. It was noted that stretches of Eagleville Brook upstream of Separatist Road were almost devoid of fish and sediment deposition from stormwater runoff was impacting instream fish habitat. A follow up survey was conducted by the Bureau of Water Management in October 2003 that included an extensive benthic invertebrate assessment of Eagleville Brook (Table 2, Figure 2). All sites were identified as impaired following assessment methodology outlined in Connecticut's Consolidated Assessment and Listing Methodology³. As a result, Eagleville Brook was listed as a "T" on the 2004 List which indicates that the waterbody is currently under study and a TMDL is planned for development (Table 3).

Table 1. Site description and number of fish collected during electrofishing surveys completed by CTDEP. A map of the site numbers is provided in Figure 2.

Site Description	Site Number	Number of Fish Collected			
		2002	2003	2004	2005
Eagleville Brook downstream Hunting Lodge Rd	1	1	0	0	1
Eagleville Brook upstream Separatist Rd	2	6	1	1	0
Eagleville Brook upstream Hillyndale Rd	3	1	8	7	0
Eagleville Brook adjacent N. Eagleville Rd (above Kings Brook)	4	Not sampled	5	1	1
Eagleville Brook adjacent N. Eagleville Rd (below Kings Brook)	5	Not Sampled	12	31	9

Table 2. Site description and characteristics of benthic invertebrate assessments completed by CTDEP on October 24, 2003. A map of the site numbers is provided in Figure 2.

Site Description	Site Number	Number of Taxa	EPT Taxa ¹	% of Reference	Assessment
Eagleville Brook downstream Hunting Lodge Rd	1	16	4	25 %	Impaired
Eagleville Brook upstream Separatist Rd	2	8	1	20 %	Impaired
Eagleville Brook upstream Hillyndale Rd	3	19	9	50 %	Impaired
Eagleville Brook adjacent N. Eagleville Rd (above Kings Brook)	4	22	13	45 %	Impaired
Eagleville Brook adjacent N. Eagleville Rd (below Kings Brook)	5	13	6	45 %	Impaired
Roaring Brook	Reference	38	23	100 %	Non-Impaired (Reference)

Table 3. The status of impairment for Eagleville Brook and the TMDL development priority as documented on the 2004 *List*.

Waterbody Name	Waterbody Segment ID	Waterbody Segment Description	303(d) Listed (Yes/No)	Impaired Use Cause	Priority ²
Eagleville Brook_01	CT 3100-19_01	From the mouth at Eagleville Pond upstream to confluence with Kings Brook, Mansfield.	Yes	Aquatic Life-Cause Unknown	T
Eagleville Brook_02	CT 3100-19_02	From confluence with Kings Brook to headwaters near UCONN campus.	Yes	Aquatic Life-Cause Unknown	T

¹ EPT Taxa represent the number of taxa in the Order Ephemeroptera (mayflies), Plecoptera (stoneflies), and Trichoptera (caddisflies) and is a general indicator of sensitive organisms.

² T indicates that the waterbody was currently under study at the time the list was last revised and a TMDL was planned for development within two years of list revision if warranted.

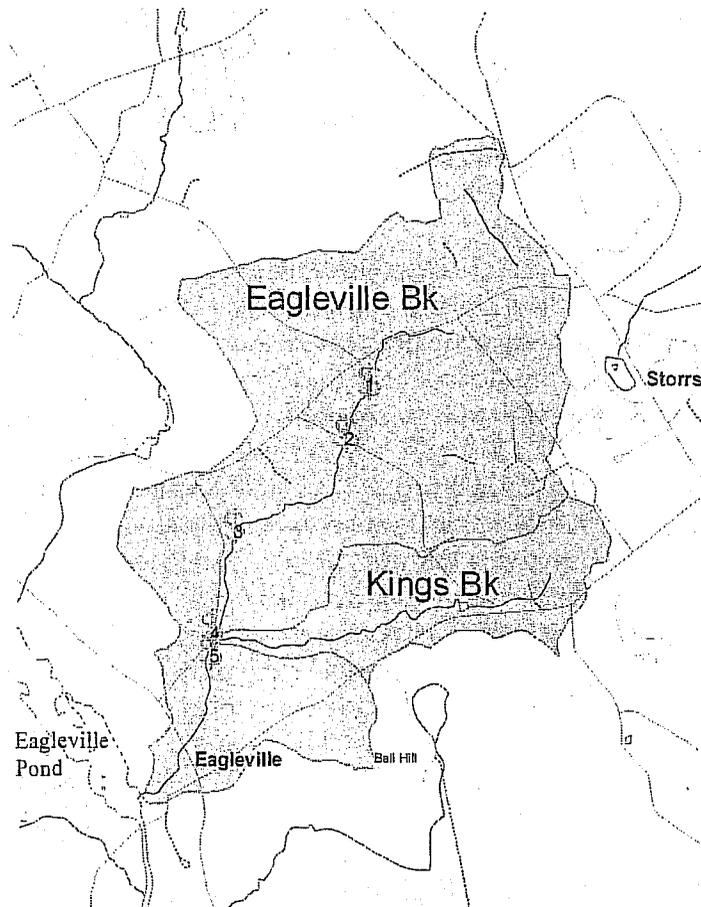


Figure 2. Map showing location of fish and macroinvertebrate sampling locations along Eagleville Brook. Sites numbers correspond with Tables 1 and 2.

POLLUTANT OF CONCERN AND POLLUTANT SOURCES

An impairment to the aquatic life in Eagleville Brook was identified using bioassessment protocols as outlined in Connecticut's *Consolidated Assessment and Listing Methodology*³. Although bioassessments can identify impaired aquatic communities, they often do not identify the cause of impairment. Such is the case with Eagleville Brook - the cause of the aquatic life impairment was unknown. A Stressor Identification (SI) analysis was completed to evaluate all potential stressors and determine the most likely candidate cause (see Appendix 1 for a description of the SI Analysis).

The SI analysis determined that the most probable cause of the aquatic life impairment in Eagleville Brook is a complex array of pollutants transported by stormwater. Since the impairment cannot be attributed to a specific pollutant, impervious cover (IC) was used as a surrogate measure of the complex array of pollutants transported by stormwater. There are several citations in the Federal Regulations that support the use of surrogate measures for TMDL Development. For example, 40 CFR 130.7 (c)(1)(i) "states that TMDLs may be established using a pollutant-by-pollutant or biomonitoring approach." In addition, 40 CFR 130.2 (i) states that "TMDLs can be expressed in terms of either mass per time, toxicity, or other appropriate measure." The Department has developed a TMDL Support Document that documents the relationship of IC and macroinvertebrates in Connecticut streams⁴. The IC TMDL support document provides a scientific basis that IC is an appropriate surrogate measure of impacts caused by stormwater (i.e. "other appropriate measure") and aquatic life use assessments using macroinvertebrates (i.e. "biomonitoring approach") provide an appropriate endpoint to measure progress of implementation.

APPLICABLE SURFACE WATER QUALITY STANDARDS

The Surface Water Classification for Eagleville Brook _01 and Eagleville Brook _02 is B/A. The B/A surface water classification means that Eagleville Brook is not meeting the goal of Class A Water Quality Criteria and attainment of Class A designated uses. Connecticut's Water Quality Standards establish surface water classifications and the applicable aquatic life criteria for benthic invertebrates which inhabit lotic waters. Aquatic life criteria for Class A waters are as follows:

Benthic Invertebrates which inhabit lotic waters

A wide variety of macroinvertebrate taxa should normally be present and all functional feeding groups should normally be well represented. Presence and productivity of aquatic species is not limited except by natural conditions, permitted flow regulation or irreversible cultural impacts. Water quality shall be sufficient to sustain a diverse macroinvertebrate community of indigenous species. Taxa within the Orders Plecoptera (stoneflies), Ephemeroptera (mayflies), Coleoptera (beetles), and Trichoptera (caddisflies) should be well represented.

NUMERIC WATER QUALITY TARGET

TMDLs for Eagleville Brook were developed using the percent IC as a surrogate for a complex array of pollutants transported by stormwater runoff that impacts aquatic life. The aquatic life criteria is referenced in Connecticut's Water Quality Standards² and assessment of attainment of aquatic life criteria is described in *Consolidated Assessment and Listing Methodology*³. A TMDL Support Document was developed and recommended the TMDL target of 11% IC for Connecticut streams with similar watershed size to Eagleville Brook⁴. This target value of 11% represents the 95th percentile value of sites that meet Connecticut's aquatic life criteria (i.e. 95 percent of the sites that met Connecticut's aquatic life criteria had 0-11% IC) and applied as the target for Eagleville Brook in this TMDL analysis.

The TMDL Target is 11% Impervious Cover

A percent reduction approach was used to assign load reductions to Wasteload Allocation (WLA) and Load Allocation (LA) and a Margin of Safety (MOS) was included to account for uncertainty in the analysis. The IC TMDL target is not intended to be used as the basis for permit limits, or a "not to be exceeded" limit on development, or a measurement of compliance with Water Quality Standards. Rather, the goal is to reduce impacts from stormwater on the aquatic life in Eagleville Brook. Meeting the TMDL will be assessed by measuring the aquatic life directly and not by measuring the IC reduction.

WASTELOAD ALLOCATION (WLA) AND LOAD ALLOCATION (LA)

A pilot study using IC as a surrogate for stormwater TMDLs recommended allocations be expressed as gross allotments⁵. For example, if stormwater runoff is from a regulated urban area (e.g. MS4 community), then the allocation can be assigned to the WLA. If the stormwater is unregulated, the allocation can be assigned to the LA. If there is a complex mixture of regulated and unregulated stormwater, then the same allocation can be assigned to both the WLA and LA. For this TMDL analysis, the same gross allotment was allocated to WLA and LA because it is not feasible to separate loadings contributed from non-regulated nonpoint sources, regulated point sources, or background. Although Eagleville Brook is not currently within an Urban Area regulated under Connecticut's MS4 permit, allocations made in this manner will not preclude the watershed from being included in MS4 Program in the future.

To calculate the WLA and LA reduction required:

$$\text{WLA and LA reduction} = ((\text{IC Current Condition} - \text{IC Target}) / \text{IC Current Condition}) \times 100$$

where IC Target = 11%

To calculate the Current Condition, Eagleville Brook was divided into three sections - Map ID 1,2,3 (Table 4, Figure 3). The % IC values for each section were derived from 2002 land cover data using an ArcView[®] Impervious Surface Analysis Tool (ISAT) developed by the Nonpoint Education for Municipal Officials (NEMO) at the University of Connecticut and the National Oceanic and Atmospheric Administration (NOAA) Coastal Services Center (http://nemo.uconn.edu/impervious_surfaces/index.htm). The general trend of the current IC

condition is highest IC occurs near the headwaters of Eagleville Brook (UCONN Campus) and decreases downstream (Figure 3).

For Eagleville Brook_01, from the mouth of Eagleville Brook to Kings Brook (Map ID 1), no reduction in WLA is required because the current condition of 5 % IC is less than the TMDL Target of 11% (Table 4). The TMDL objective in this section of Eagleville Brook is anti-degradation which requires the maintenance and protection of the existing water quality condition³. It is consistent with the geography of the watershed that most of the stormwater related stressors that contribute to the degraded aquatic life in Eagleville_01 are located upstream in Eagleville Brook_02. The reduction in WLA required upstream in Eagleville_02 will likely benefit the aquatic life in Eagleville_01 as well.

Eagleville Brook_02 was divided into two sub-sections (designated as Map ID 2 and 3) based on differences in % IC in the upper portion of Eagleville Brook. The upper section (Map ID 3) drains a portion of the UCONN Campus and contains a small pond (known locally as Swan Lake) near the Chemistry Building Complex. This section (Map ID 3) was 27% IC based on 2002 landcover data. The percent reduction from WLA required to meet the TMDL target is 59% in this section.

The lower section (Map ID 2) is a mix of UCONN campus and lightly developed residential and averaged 14% IC based on the 2002 landcover data. The percent reduction from WLA required to meet the TMDL target is 21% in this section.

Table 4. Summary of TMDL analysis.

Waterbody Name and Segment ID	Map ID	Waterbody Segment Description	Percent Impervious Cover		TMDL Objective
			Current Condition	TMDL Target	
Eagleville Brook_01 CT 3100-19_01	1	From the mouth at Eagleville Pond upstream to confluence with Kings Brook, Mansfield.	5 %	11%	Anti-degradation
Eagleville Brook_02 CT 3100-19_02 (Map ID 2)	2	From confluence with Kings Brook to headwaters near UCONN campus.	14 %	11%	21 % Reduction in WLA and LA accomplished by improved stormwater management
Eagleville Brook_02 CT 3100-19_02 (Map ID 3)	3	Unnamed Pond on UCONN Campus (contained within CT 3100-19_02)	27%	11%	59 % Reduction in WLA and LA accomplished by improved stormwater management

³ Connecticut's anti-degradation policy is outlined in Appendix E of WQS².

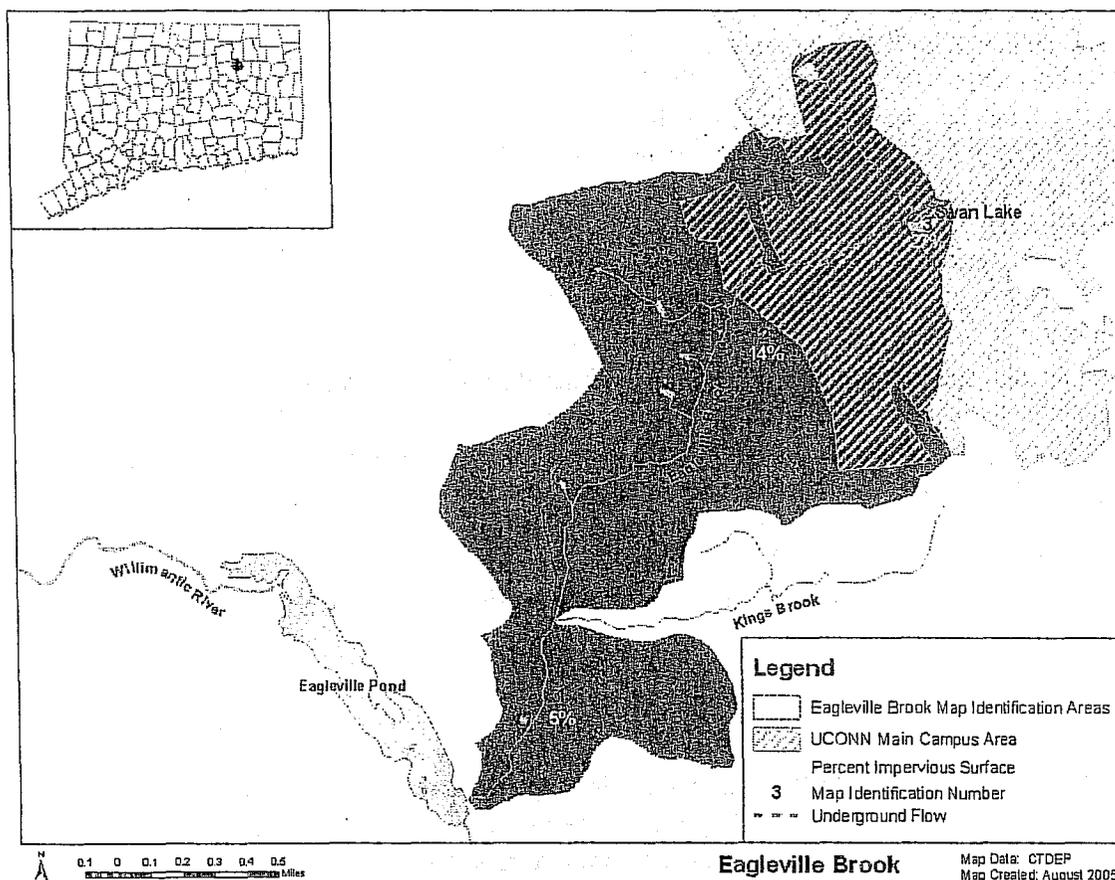


Figure 3. Eagleville Brook watershed showing the Map Identification Numbers 1-3 and the corresponding % IC values derived using ISAT from the 2002 Land Cover data.

MARGIN OF SAFETY (MOS)

TMDL analyses are required by law to include a MOS to account for uncertainties regarding the relationship between load and wasteload allocations, and water quality. The MOS may be either explicit or implicit in the analysis. The 11% IC Target was derived by choosing the 95th percentile of the IC values upstream from sites that met aquatic life criteria. The actual IC threshold below which sites met aquatic life criteria was 12%⁴. The 1% difference between the IC threshold and IC target can be viewed as a numerical or explicit MOS.

SEASONAL ANALYSIS

Stormwater events that occur over the entire season contribute to the aquatic life impairments documented in Eagleville Brook. Therefore, the TMDL is applicable during all days for all seasons. Recently, EPA has expressed an interest in having all TMDLs expressed in terms of actual daily loads. For this TMDL analysis, the Department has chosen a surrogate measure (IC) and has used a percent reduction approach because this approach focuses restoration on the most probable cause of the problem (i.e. stormwater management). In this context, the TMDL is applicable each and every day until aquatic life goals are attained in Eagleville Brook.

TMDL IMPLEMENTATION PLAN

As emphasized earlier in this document, IC is being used in this TMDL as a surrogate of the impacts that stormwater has on aquatic life in streams. It is important to re-emphasize that TMDL targets are not intended to be used as the basis for permit limits, or a "not to be exceeded" limit on development, or a measurement of compliance with Water Quality Standards. Rather, the goal is to reduce impacts from stormwater on the aquatic life in Eagleville Brook. Meeting the TMDL will be assessed by measuring the aquatic life directly and not by measuring the IC reduction. In the absence of actual IC reduction, stormwater management techniques that offset the negative effect of IC should be implemented in the Eagleville Brook watershed.

Successful implementation will depend on either disconnecting the IC from the stream or applying some other appropriate BMP to treat or manage stormwater. Achieving the goal of better stormwater management will be best accomplished through incorporating an adaptive management strategy into the implementation effort. The *2004 Connecticut Stormwater Manual*⁶ provides good background information for new site design, as well as technical guidance for stormwater BMPs for existing sites. The effect of these strategies can be illustrated by considering the source of pollutants present in stormwater runoff and the effect of each strategy on reducing those loads.

WATER QUALITY MONITORING PLAN

Surface water chemistry and benthic macroinvertebrate data will be collected from the Eagleville Brook by CTDEP Bureau of Water Management as described in the CTDEP Rotating Basin Ambient Monitoring Strategy⁷. Benthic macroinvertebrates will provide the primary metric to measure the progress of meeting Aquatic Life Support in Eagleville Brook. The Bureau of Water Management will coordinate with the Inland Fisheries Division to collect fish population data in Eagleville Brook. Fish population data will provide an additional measure of aquatic life support in Eagleville Brook.

REASONABLE ASSURANCE

The Department will work with watershed partners, including the Town of Mansfield, University of Connecticut, and conservation organizations to implement better stormwater management in the Eagleville Brook watershed. Although the watershed area surrounding Eagleville Brook was below the threshold for inclusion in the initial list of the Connecticut's MS4 Permit Program, the Commissioner has the authority under definitions contained in Sections 22a-423 of the Connecticut General Statutes and Section 22a-430-3(a) of the Regulations of Connecticut State Agencies to include "those additional municipally-owned or municipally-operated Small MS4s located outside an Urbanized Area as may be designated by the Commissioner." This option could be pursued if future biological monitoring indicates non-attainment of aquatic life goals in Eagleville Brook.

PROVISIONS FOR REVISING THE TMDL

The DEP reserves the authority to modify the TMDL as needed to account for new information made available during the implementation of the TMDL. Modification of the TMDL will only be made following an opportunity for public participation and be subject to the review and approval of the EPA. New information, which will be generated during TMDL implementation includes monitoring data, new or revised State or Federal regulations adopted pursuant to Section 303(d) of the Clean Water Act, and the publication by EPA of national or regional guidance relevant to the implementation of the TMDL program. The DEP will propose modifications to the TMDL analysis only in the event that a review of the new information indicates that such a modification is warranted and is consistent with the anti-degradation provisions in Connecticut Water Quality Standards. The subject waterbodies of this TMDL analysis will continue to be included on the *List of Connecticut Water bodies Not Meeting Water Quality Standards* until monitoring data confirms that aquatic life uses are fully supported.

PUBLIC PARTICIPATION

A Notice of Intent to Adopt a TMDL Analysis for Eagleville Brook was published in the legal classified section of the Hartford Courant ⁸ on ~~XX-XX-XXXX~~. *To be completed in full following public participation.*

REFERENCES

- (1) Connecticut Department of Environmental Protection, 2004. *List of Connecticut Water bodies Not Meeting Water Quality Standards*. Bureau of Water Management, 79 Elm Street, Hartford, CT 06106-5127.
- (2) Connecticut Department of Environmental Protection, 2002. *Connecticut Water Quality Standards*. Bureau of Water Management, 79 Elm Street, Hartford, CT 06106-5127.
- (3) Connecticut Department of Environmental Protection. 2002. *Connecticut consolidated assessment & listing methodology for 305 (b) and 303(d) reporting*. 79 Elm Street, Hartford, CT 06106.
- (4) Connecticut Department of Environmental Protection, 2005. *Percent Impervious Cover as a Surrogate Target for TMDL Analyses in Connecticut*. Bureau of Water Management, 79 Elm Street, Hartford, CT 06106-5127.
- (5) ENSR Corporation. 2005. *Pilot TMDL applications using the impervious cover method*. ENSR International, Westford, MA.
- (6) Connecticut Department of Environmental Protection. 2004. *Connecticut stormwater*

quality manual. 79 Elm Street, Hartford, CT 06106.

- (7) CTDEP. 1999. *Ambient monitoring strategy for rivers and streams rotating basin approach*. State of Connecticut, Department of Environmental Protection, Bureau of Water Management, 79 Elm Street, Hartford, CT 06106-5127.
- (8) Public Notice. In Legal Classified Section of Hartford Courant Insert Date.

Appendix 1. Stressor Identification

Waterbody: Eagleville Brook

Impairment Description:

Designated Use Impairment: Aquatic Life Use Support

Total Length of Impaired Segment(s): 2.4 square miles

Surface Water Classification: Class B/A

TMDL Priority: Targeted for TMDL Development within 2 years

Segment	Waterbody Segment ID	Description	Cause
Eagleville Brook_01	CT 3100-19_01	From the mouth at Eagleville Pond upstream to confluence with Kings Brook, Mansfield.	Cause Unknown
Eagleville Brook_02	CT 3100-19_02	From confluence with Kings Brook to headwaters near UCONN campus.	Cause Unknown

Watershed Description:

Drainage Basin Area: 2.4 square miles

Tributary To: Willimantic River via Eagleville Pond

Sub regional Basin Name & Code: Willimantic River 3100

Regional Basin: Willimantic

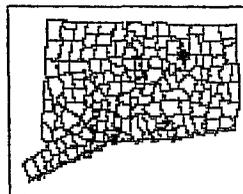
Major Basin: Thames

Watershed Towns: Mansfield

Phase II General Permit applicable: No

Applicable Season: No seasonal restrictions

Landuse for Sub regional Basin 3100:



Land Use Category	Percent Composition
Forested	74
Urban/Developed	12
Open Space	10
Water/Wetland	2
Agriculture	2

Data Source: Connecticut Land Use Land Cover Data Layer LANDSTAT (1995) Thematic Mapper Satellite Imagery.

Stressor ID Procedure

The process of evaluating data to determine the most likely candidate causes of biological impairment has been the subject of many recent efforts¹⁻⁴. The Stressor Identification (SI) Procedure followed here by CTDEP is similar to the approaches outlined in these references and basically involves 4 steps:

- 1) Listing the Candidate Causes;
- 2) Analyzing the Evidence;
- 3) Characterizing the Causes;
- 4) Identifying the Probable Candidate Cause.

These steps can lead to identifying the most likely candidate cause for aquatic life impairments that have an undetermined cause. Ultimately, identification of the most probable cause can lead to management actions to eliminate or control the cause. The specific aquatic life impairments that were examined for Eagleville Brook were low numbers of sensitive EPT taxa and low fish abundance.

Candidate Causes

The following data sources were considered to develop a list of candidate causes for the SI analysis for Eagleville Brook:

Biological

- CTDEP fisheries surveys
- CTDEP macroinvertebrate surveys
- CTDEP instream toxicity tests conducted in Eagleville Brook

Chemical

- CTDEP ambient surface water samples
- Consultants Reports pertaining to UCONN landfill remediation
- UCONN stormwater study

Hydrologic

- September 2003 Campus wide Drainage Master Plan Permit Application for Flood Management Certification

Other

- Notes from field visits and visual observations
- Scientific literature and ecological theories
- GIS mapping of watershed

There are no known point source discharges in the Eagleville Brook watershed and therefore the

data supported a list of candidate causes related to non-point source impacts. After reviewing the available data, the candidate causes listed in Table 1 were explored further using conceptual model diagrams annotated with supporting lines of evidence.

Table 1. Candidate Causes. Potential causes and sources of the observed low fish abundance and lack of sensitive EPT taxa in Eagleville Brook.

Candidate Cause	Potential Sources
Toxic Contamination	Copper roofing, Surface runoff, landfill leachate, unknown sources
Embedded Substrate	Sediment from runoff from local parking lots, winter road sanding, bank erosion
High Flow	Impervious surfaces cause extreme runoff volumes that remove organisms from their habitat
Low Flow	Impervious surfaces disrupts natural hydrologic cycle and cuts off vertical connectivity of surface water and groundwater
Elevated stream temperature	Impervious surfaces heat up water

Analyzing Evidence

Conceptual model diagrams were used to illustrate the link between potential sources, logical causal pathways, and the observed measurement of reduced EPT and fish taxa (Figures 1-5). The data and conceptual model diagrams were used to 1) eliminate causal pathways, 2) identify causal pathways that were weakened, and 3) provide evidence in support of a causal pathway. Data that was ambiguous was noted in the text summaries. Data that supported a causal pathway was highlighted in a yellow box. Data that weakened or refuted a causal pathway was highlighted in a brown box and an arrow points to the location of the disruption in the causal pathway.

Conceptual Model of Toxic Contamination

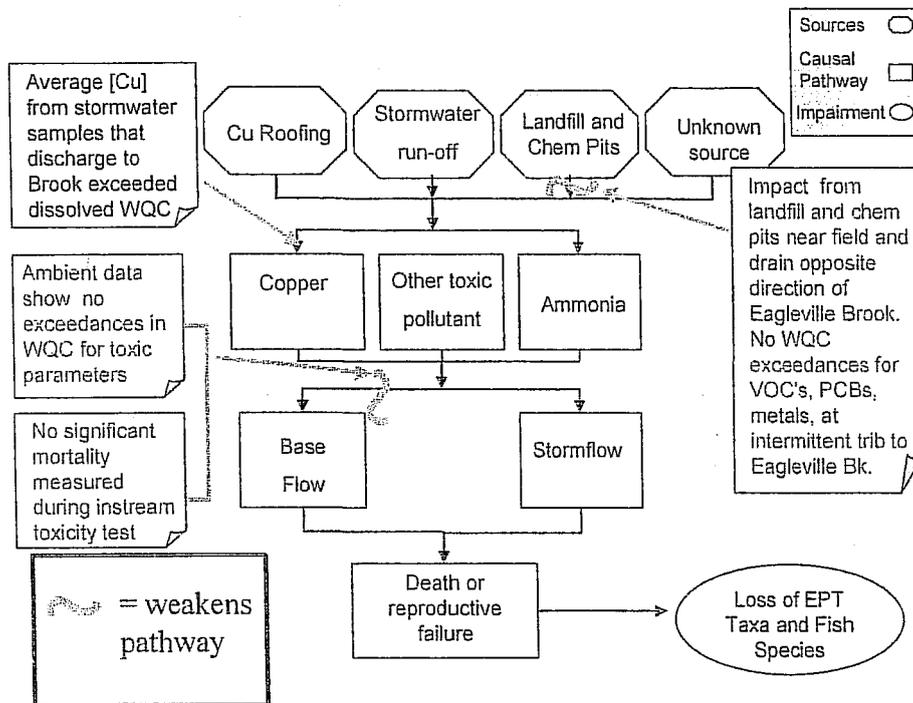


Figure 1. Conceptual model of toxic contamination as the cause of the low abundance of fish and EPT taxa. WQC is water quality criteria and refers to criteria as defined in Connecticut's Water Quality Standards⁵.

Data that weakens or refutes

- Contribution of toxic contamination from landfill and chemical pits to Eagleville Brook Segments _01 and _02 unlikely. The landfill was comprised mostly of bulky waste with no industrial component and therefore reduces the likelihood of potential contaminants. Further, there is a drainage divide across the top of the landfill such that half of the groundwater drains to the Cedar Swamp Brook watershed and half drains towards Eagleville Brook. Some exceedances in water quality criteria were noted near landfill in areas draining to Cedar Swamp Brook. No water quality criteria exceedances for VOC's, PCB's, metals, at intermittent tributary to Eagleville Bk, upstream of the study Eagleville _01 and _02. Contaminated soil in former chemical pit area has been excavated to bedrock and therefore fully remediated. Since instream and groundwater data upstream show no exceedances of water quality criteria, it is unlikely that there is a toxic contribution from the landfill at sites further downstream in Eagleville Brook.
- Ambient water samples collected by CTDEP during non-storm events show no exceedances of water quality criteria.
- Instream toxicity test in Eagleville Brook using the fathead minnow (*Pimephales promelas*) as a test organism, show no significant mortality during base flow conditions.

Data that supports

- A copper roof was installed on the Castleman Engineering Building located on the UCONN campus in 1992. The total area of the copper roof is 1,800 square meters⁶. A study was conducted in 2001 to evaluate runoff from the roof⁶. The average stormwater copper concentration that discharge to Eagleville Brook (n=16 storms) was approximately equal to acute water quality criteria (Table 2). If the average concentration exceeded water quality criteria, then concentrations during some individual storm events were likely higher than criteria.

Table 2. Mean and standard deviation of total and dissolved copper at each sampling station for 16 Storms. Water Quality Criteria for dissolved copper in Eagleville Brook are 14.3 µg/l (acute) and 4.8 µg/l (chronic).

Sampling Station	Total Copper (µg/l)	Dissolved Copper (µg/l)
1. New Roof	3630 +/- 1760	3340 +/- 1520
2. Roof Drain	1340 +/- 820	1210 +/- 840
3. Lawn Area	20 +/- 8	9 +/- 2
4. Parking Lot	16 +/- 6	8 +/- 2
5. Stormwater system outfall	46 +/- 26	14 +/- 7

From *Copper Roof Stormwater Runoff - Corrosion And The Environment*
<http://www.copper.org/environment/homepage.html>⁶

Data that is ambiguous

- Since 1988, illicit discharges flowing from the underground portion (under the UCONN campus) of Eagleville Brook have been identified on at least 5 occasions and reportedly corrected for each incident.
- Laboratory toxicity tests indicate very high toxicity to test organism, *Daphnia pulex*, from water collected from copper roof and roof drain, but below the detection limit of the LC 50 test in the outfall of the storm drainage system (Table 3). The toxicity at sites down gradient to the copper roof is suggested to be buffered (i.e. reduced) by interactions with the concrete piping materials, dissolved organic carbon, and other complexing agents. Toxicity testing was only conducted on a single event and it is unclear the magnitude of this storm event. Further toxicity testing would be beneficial to gain a better understanding of these hypothesized reasons for low toxicity at sites down gradient of the roof.

Table 3. 48 -hour LC 50 values for sites sampled on the UCONN campus and Eagleville Brook.

Sampling Station	48 -h LC 50
1. New Roof	< 0.62 %
2. Roof Drain	< 0.62 %
3. Lawn Area	> 100 %
4. Parking Lot	> 100 %
5. Stormwater system outfall	> 100 %

From *Copper Roof Stormwater Runoff - Corrosion And The Environment*
<http://www.copper.org/environment/homepage.html> ⁶

Conceptual Model of Embedded Substrate

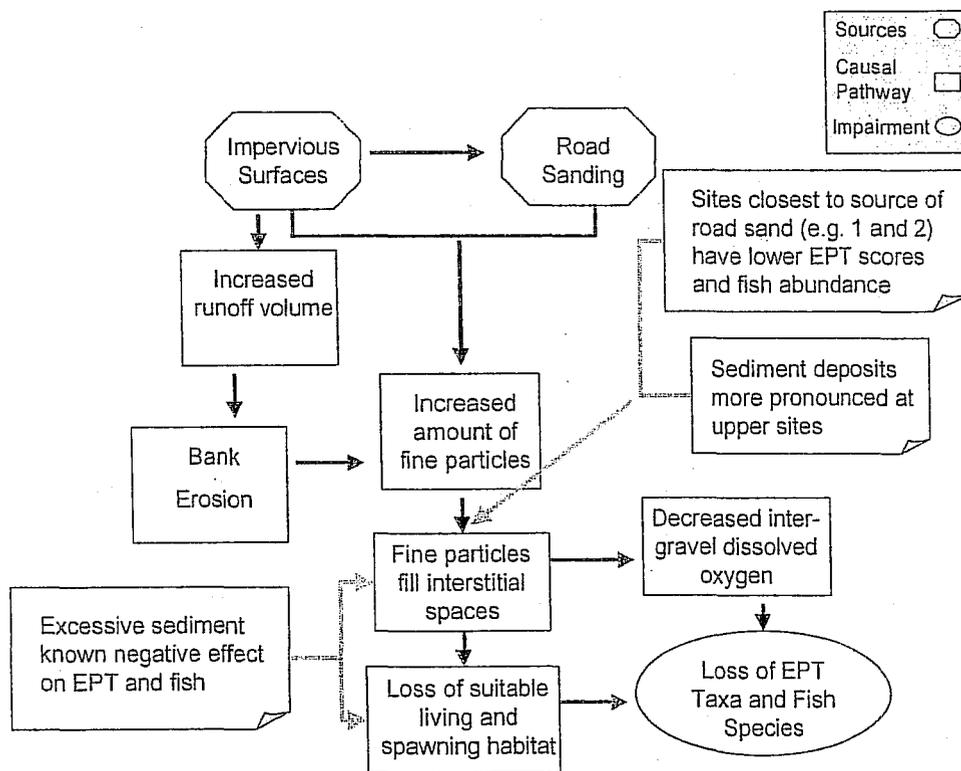


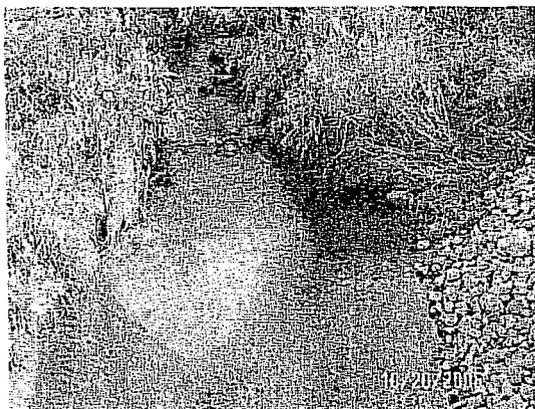
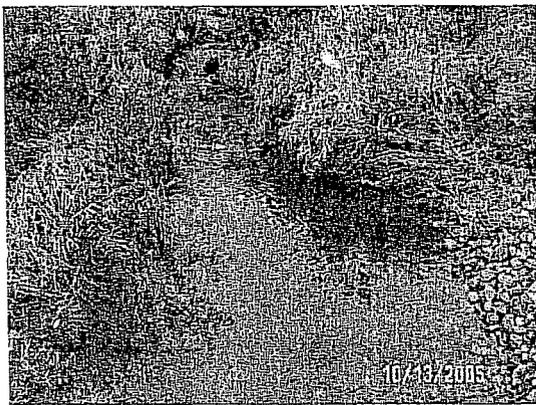
Figure 2. Conceptual model of embedded substrate as the cause of the low abundance of fish and EPT taxa.

Data that weakens or refutes

- none

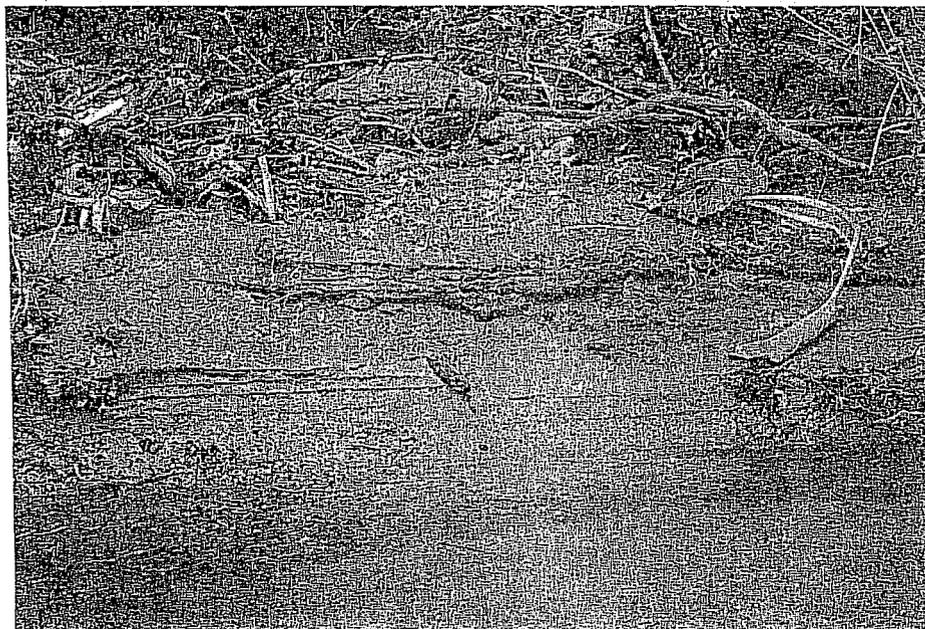
Data that supports

- Excessive sedimentation has a negative effect on aquatic organisms by reducing interstitial living space for aquatic macroinvertebrates and reducing or eliminating spawning habitat for fish.
- Sites closest to source (i.e. impervious surfaces surrounding UCONN campus) had lower EPT scores and lower fish abundance. Lower EPT scores and lower fish abundance could indicate a reduced availability of suitable habitat for living and reproduction due to embeddedness.
- Stormwater in Eagleville Brook carries sediment loads from sources upstream (Data Support Photo 1).



Data Support Photo 1. Sediment deposition and movement through the Eagleville Brook system. Photos were taken on 10/13/2005, 10/16/2005, 10/20/2005, and 10/26/2005 at Eagleville Brook upstream Hunting Lodge Rd (upstream Site 1) over a two-week period with two consecutive storm events.

- Sediment deposits more pronounced at upper sites noted during field visits (Data Support Photo 2).



Data Support Photo 2. Excessive sedimentation observed in Eagleville Brook upstream of Separatist Road (Site 2).

Conceptual Model of High Flow

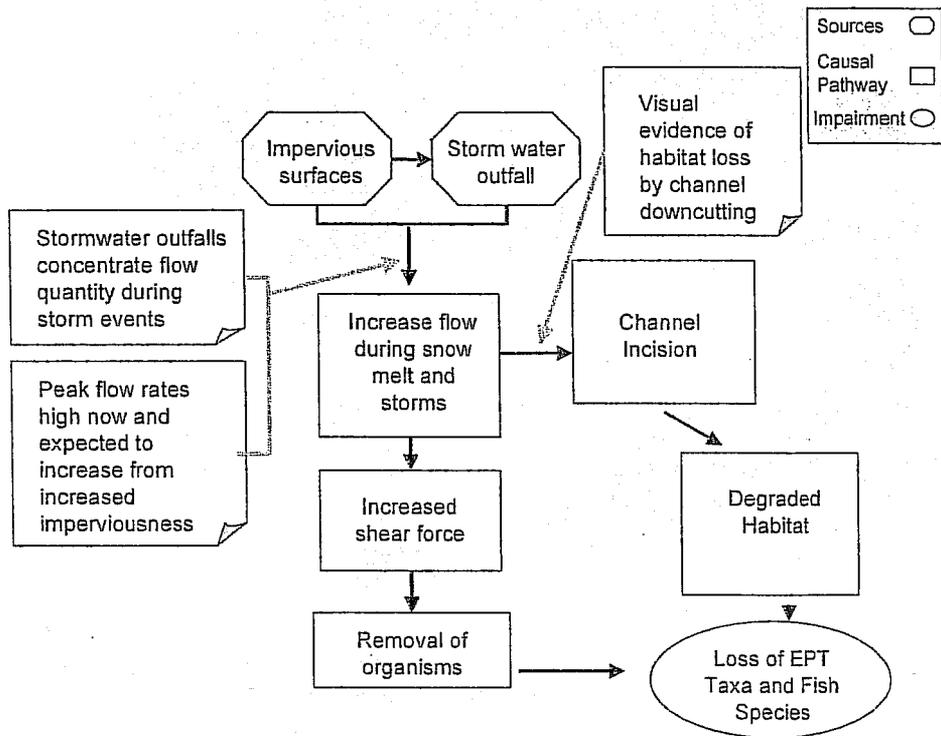


Figure 3. Conceptual model of high flow as the cause of the low abundance of fish and EPT taxa.

Data that weakens or refutes

- None

Data that supports

- Peak discharge rates in Eagleville Brook are high now due to the amount of impervious surface near the headwaters and expected to increase as a result of campus expansion (Table 4). For example, the peak discharge with a 2-year return frequency is expected to increase from 85.61 cfs to 89.49 cfs post-development.

Table 4. Peak discharge in cubic feet per second (cfs) in Eagleville Brook.

Return Frequency (Year)	Peak Discharge (cfs)	
	Current Condition	Post-Development
2	85.61	89.49
10	324.84	331.35
100	960.20	973.99

From: Flood Management Certification - Campuswide Drainage Master Plan, September 2003. Prepared for University of Connecticut, Storrs, CT, by Lenard Engineering, Inc. ⁷

- Stormwater outfalls provide concentrated flow volumes and pollutants
- Visual evidence of habitat loss by channel down cutting noted during site visits (Data Support Photo 3).



Data Support Photo 3. Channel down cutting and bank erosion observed in at site 1, Eagleville Brook downstream of Hunting Lodge Road on July 6, 2005.

Conceptual Model of Low Flow

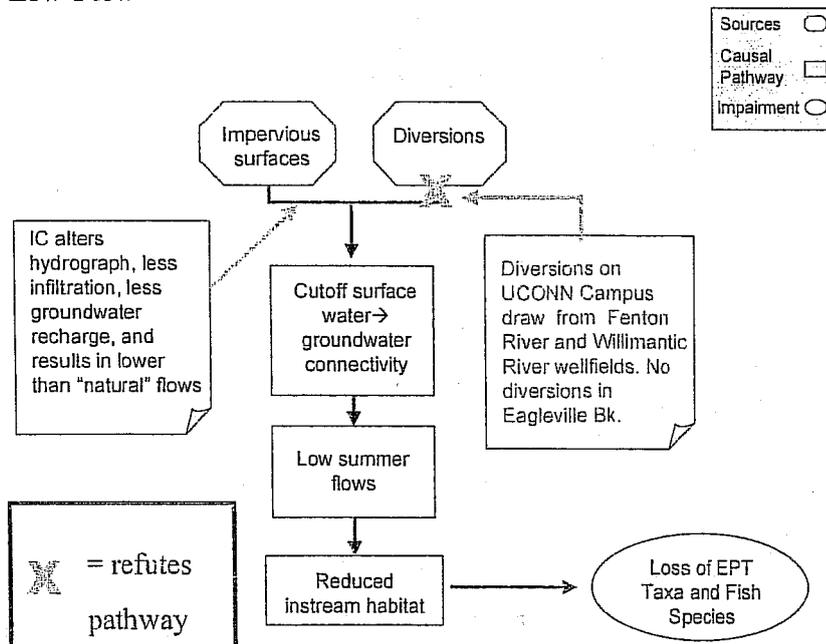


Figure 4. Conceptual model of low flow as the cause of the low abundance of fish and EPT taxa.

Data that weakens or refutes

- No documented diversions in Eagleville Brook watershed

Data that supports

- Impervious cover alters hydrograph which results in decreased groundwater recharge

Conceptual Model of Elevated Temperature

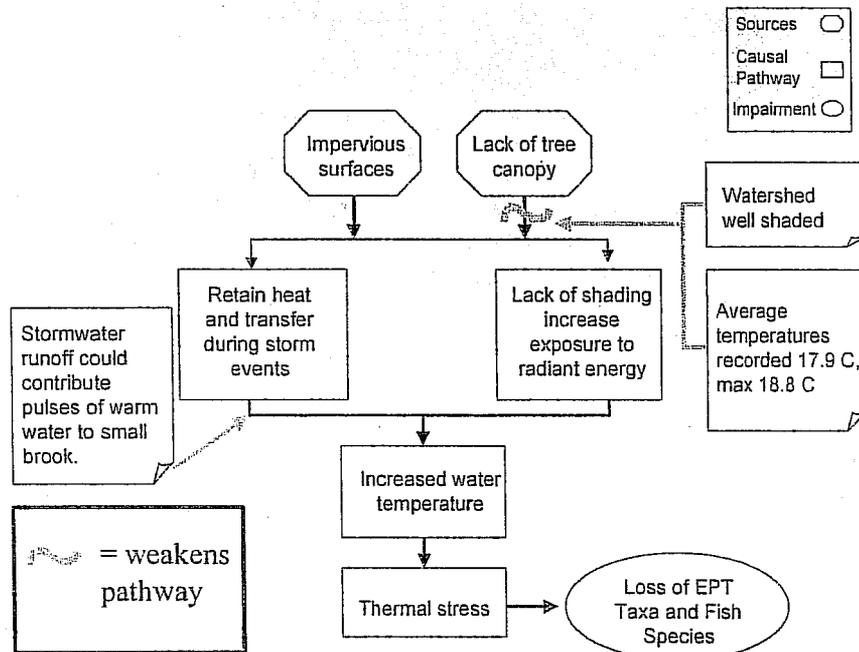
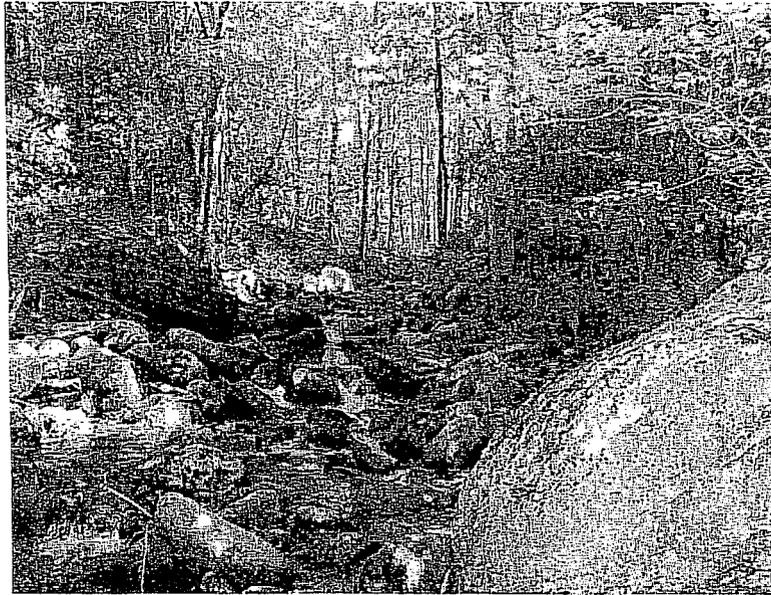


Figure 5. Conceptual model of elevated stream temperature as the cause of the low abundance of fish and EPT taxa.

Data that weakens or refutes

- Average water temperatures recorded during field sampling was 17.9 C (Range 16.0-18.8 C). These data include dates during summer, worst-case scenario conditions.
- Most of watershed well shaded (Data Support Photo 4).



Data Support 4. Watershed is well shaded. This is a typical of Eagleville Brook _01 and _02. This is site 4, adjacent North Eagleville Road.

Data that supports

- Consistent with scientific literature, stormwater may contribute pulses of warm water heated by impervious surfaces to Eagleville Brook during storm events.

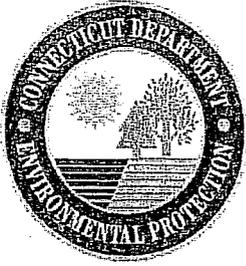
Identifying the Probable Cause

All available data and causal pathways were examined for each candidate cause. The weight of evidence supports several different contributions from stormwater flows as being the most probable cause of the observed biological impairment (low EPT taxa and fish abundance). These include possible chemical contamination (copper), substrate impacts due to sedimentation, habitat loss due to channel down cutting, high peak flow rates, and potential pulses of warm water during stormwater events. It cannot be determined which of these stormwater constituents is most likely to cause the impairment. However, the weight of evidence supports that the interactions of this complex array of stormwater constituents with the aquatic biota in Eagleville Brook is the likely cause of the low numbers of fish and sensitive EPT Taxa. A management strategy that reduces the effect of stormwater on the aquatic biota in Eagleville Brook will be necessary to meet aquatic life goals in the brook.

Probable Cause of Impairment: Complex array of pollutants transported by stormwater runoff .

References

- ¹ United States Environmental Protection Agency. 2000. *Stressor Identification Guidance Document*. EPA 822-B-00-025. USEPA, Washington, DC.
- ² Suter, G.S. et al. 2002. *A Methodology for Inferring the Causes of Observed Impairment in Aquatic Ecosystems*. *Env. Tox. & Chem* 21(6) 1101-1111.
- ⁵ Norton, S.B. et al. 2002. *Determining Probable Causes of Ecological Impairments In The Little Scotio River, Ohio, USA: Part 1. Listing Candidate Causes and Analyzing Evidence..* *Env. Tox. & Chemistry* 21(6) 1112-1124.
- ⁴ Cormier, S.M. et al. 2002. *Determining the Causes of Impairments In The Little Scotio River, Ohio, USA: Part 2. Characterization of the Causes*. *Env. Tox. & Chem* 21(6) 1125-37.
- ⁵ CTDEP. 2002. *Water Quality Standards*. State of Connecticut, Department of Environmental Protection, Bureau of Water Management, 79 Elm Street, Hartford, CT 06106-5127.
- ⁶ H.T. Michels, B. Boulanger, and N. Nikolaidis. 2001. *Copper Roof Stormwater Runoff - Corrosion And The Environment* (<http://www.copper.org/environment/homepage.html>).
- ⁷ Lenard Engineering, Inc. September 2003. *Flood Management Certification - Campuswide Drainage Master Plan*. Prepared for University of Connecticut, Storrs, CT.



CONNECTICUT DEPARTMENT OF ENVIRONMENTAL PROTECTION
79 Elm Street, Hartford, CT 06106

TMDLs – A Management Tool to Achieve Water Quality Standards in
Connecticut's Surface Waters

Fact Sheet

November, 2005

Gina McCarthy, Commissioner

**Important Components of the TMDL
Process:**

- Describe Current Water Quality Impairments and Identify Possible Causes
- Set Goals to Achieve Water Quality Standards and Support Public Uses
- Provide a Scientific and Technical basis for Developing TMDL Implementation Plans by Stakeholders in the Watershed
- Recommend Follow Up Monitoring to Assess the Effectiveness of TMDL Implementation
- Provide for a Watershed Approach to Water Quality Management
- Consider Local Stakeholder Concerns through Public Review and Comment
- Final TMDLs are established by the Department and submitted to the Federal Environmental Protection Agency for Formal Approval

What is a Total Maximum Daily Load (TMDL)?

A TMDL is a tool Water Quality Managers use to address water quality problems. TMDLs provide the framework for restoring impaired waters by establishing the maximum amount of a pollutant that a waterbody can receive without adverse impact to fish, wildlife, recreation, or other uses. This amount is divided up between all potential sources (both point and nonpoint) of that pollutant, and is expressed as:

$$TMDL = Point\ Sources + Nonpoint\ Sources + Background + Margin\ of\ Safety$$

The end result of the TMDL process is a Water Quality Management Plan with quantitative goals to reduce pollutant loadings to the impaired waterbody. TMDLs can be expressed as concentrations, percent reductions, or mass loads.

How Are Waterbodies Selected for TMDL Development?

Under section 303(d) of the Federal Clean Water Act (CWA), States are required to develop TMDLs for waters impaired by pollutants. These waters are identified on the *List of Connecticut Waterbodies not Meeting Water Quality Standards*. In accordance with the CWA, listed waterbodies are prioritized for TMDL development by the Department based on knowledge of the waterbody and pollutant, current resource availability, and programs in place to aid in TMDL implementation. For information regarding procedures for Assessing and Listing Waterbodies, please refer to the following documents:

- *List of Connecticut Waterbodies not Meeting Water Quality Standards*,
- *Water Quality Report to Congress (305(b) Report)*, and
- *Connecticut Consolidated Assessment and Listing Methodology for 305(b) and 303(d) Reporting (CALM)*.



Aspetuck River. Easton

TMDLs have been prepared by the Department for the following pollutants:

Chlorine

Indicator bacteria - Fecal coliform, *E. coli*

Metals - Copper, Lead, Zinc

Ammonia

Nitrogen and Phosphorus

Deicing fluids - Propylene and Ethylene glycol

Whole effluent toxicity

How We Can Achieve Clean Waters Through TMDL Process?

Controls for Point Sources

The Clean Water Act requires a National Pollutant Discharge Elimination System (NPDES) permit for all discharges of pollutants through point sources. An NPDES permit contains numerical limits and specifies other treatment and monitoring requirements to ensure that the discharge does not impact water quality. TMDL allocations must be incorporated into NPDES permits to ensure that Water Quality Standards will be met.

Controls for Nonpoint Sources

Nonpoint sources can be reduced by implementing preventative measures such as: reducing the use of fertilizers, herbicides, and pesticides; keeping septic systems in proper working order; planting appropriate vegetative buffers in riparian areas; discouraging the feeding of waterfowl; and proper pet waste management. Public education and local commitment to cleanup impaired waters are key to reducing nonpoint sources of pollution. TMDLs for waters impaired by nonpoint sources typically include recommendations to implement controls of this type.

What happens after a TMDL is Approved? After approval, a TMDL Implementation Plan can be prepared to layout a written roadmap for responsible stakeholders to follow in order to achieve the TMDL goal.

Development of such a plan involves coordination and participation by the Department, local municipal agencies, watershed groups, and other interested parties.

TMDL Resources

For more information regarding the TMDL Process - Contact the Department's Water Management Bureau at 860-424-3020 or visit the Department's TMDL website at <http://www.dep.state.ct.us/wtr/tmdl/index.htm>

Additional Web Information regarding TMDLs

DEP - <http://www.dep.state.ct.us/wtr/tmdl/index.htm>

EPA Region 1 - <http://www.epa.gov/NE/eco/tmdl/index.html>

Web Information regarding Best Management Practices for TMDL Implementation

<http://www.bmpdatabase.org/>

<http://www.cwp.org/index.html>

<http://www.epa.gov/weatherchannel/>

<http://nemo.uconn.edu/about.htm>

<http://www.dep.state.ct.us/wtr/stormwater/stormwtrindex.htm>

<http://www.stormwatercenter.net/>

Reference Documents

List of Connecticut Waterbodies not Meeting Water Quality Standards

<http://www.dep.state.ct.us/wtr/wq/tmdlbrief.htm>

Water Quality Report to Congress (305(b) Report

http://www.dep.state.ct.us/wtr/wq/305b/305b_index.htm

CT Consolidated Assessment and Listing Methodology for 305(b) and 303(d) Reporting

http://www.dep.state.ct.us/wtr/wq/ep_137_lm.htm

**TOWN OF MANSFIELD
PLANNING AND ZONING COMMISSION**

AUDREY P. BECK BUILDING
FOUR SOUTH EAGLEVILL ROAD
STORRS, CT 06268
(860) 429-3330

Tuesday, September 19, 2006

To: Town Council
From: Planning and Zoning Commission
Re: Eagleville Brook
DEP TMDL Analysis

At a meeting held on 9/18/06, the Mansfield Planning and Zoning Commission adopted the following motion:

“That the PZC Chairman be authorized to co-endorse with the Mayor, a letter from the Town regarding the DEP Total Maximum Daily Load Analysis for Eagleville Brook.”

If you have any questions regarding this action, please call the Planning Office at 429-3330.

Very truly yours,



Katherine K. Holt, Secretary
Mansfield Planning & Zoning Commission

AGRICULTURE COMMITTEE

MINUTES OF AUGUST 1, 2006 MEETING

PRESENT: Al Cyr, Charlie Galgowski, Carol Stearns, Bill Palmer, Vicky Wetherell

1. Charlie Galgowski was acting chairman.
2. Minutes of the April 5, 2006, meeting were approved.
3. **Agriculture Viability Grants**
The committee discussed a recent announcement of these state awards granted in July, and recommended that this announcement and the notice of a fall grant round be mailed to the agriculture mailing list.
4. **Open Space Initiative**
The committee was brought up-to-date on a Town notice (to be mailed in August) about the upcoming open space and farmland preservation bond referendum in November. Other possible actions to inform the public about this referendum were discussed. The committee will meet on Wednesday, September 13, to discuss the agricultural part of a presentation to the Town Council in the fall about proposed open space initiatives.
4. **Tax abatement proposal**
The committee reviewed a 2005 proposal to expand tax exemptions for farm machinery by an additional \$100,000 and to add a tax exemption of \$100,000 for farm-related buildings. The committee voted to resubmit this proposal to the Town Council.

Animal Control Activity Report

REPORT PERIOD 2006 / 2007

PERFORMANCE DATA	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	This FY to date	Last FY to date
Complaints investigated:														
phone calls	197	219											416	478
road calls	13	17											30	54
dog calls	89	93											182	90
cat calls	83	82											165	61
wildlife calls	9	23											32	18
Notices to license issued	3	5											8	16
Warnings issued	4	5											9	10
Warning letters issued	1	248											249	3
Infractions issued	2	0											2	1
Misdemeanors issued	0	0											0	0
Dog bite quarantines	4	3											7	0
Dog strict confinement	0	0											0	0
Cat bite quarantines	0	0											0	4
Cat strict confinement	0	0											0	0
Dogs on hand at start of month	4	3											7	15
Cats on hand at start of month	15	21											36	15
Impoundments	42	40											82	78
Dispositions:														
Owner redeemed	3	16											19	10
Sold as pets-dogs	4	1											5	20
Sold as pets-cats	33	22											55	16
Sold as pets-other	0	0											0	0
Total destroyed	2	3											5	10
Road kills taken for incineration	1	0											1	1
Euthanized as sick/unplaceable	1	3											4	9
Total dispositions	37	42											79	68
Dogs on hand at end of month	3	6											9	13
Cats on hand at end of month	21	16											37	27
Total fees collected	2,028	1,574.50											\$3,602.50	\$ 2,524

Scotland dogs FY 06/07 to date 4 Total 7
 Hampton dogs FY 06/07 to date 3

P.140



CHARTER REVISION COMMISSION
Tuesday, September 12, 2006
7:00 p.m.
Audrey P. Beck Municipal Building
Council Chambers

Draft Minutes

I. Call to Order

Chairman Bacon called the meeting to order at 7:02 p.m.

II. Roll Call

Members present: S. Bacon, A. Booth, L. Eaton, S. Grunwald, D. Keane,
H. Krisch, G. Nesbitt, S. Quinn-Clark, L. Weiss

Members Absent: N. Cox, D. Dzurec,

III. Opportunity for Public to Comment

There were no members of the public at this meeting.

IV. Approval of Minutes

a. 6-27-06 Minutes

Krisch MOVED, Nesbitt seconded to approve the minutes of 6-27-06 with the removal of Nesbitt's comment on page 3 paragraph 3. MOTION PASSED with all in favor except Grunwald who abstained.

b. 8-22-06 Minutes

Nesbitt MOVED, Krisch Seconded to approve the minutes with the following revisions:

Page 3, Section IV, sub-section B, 2nd paragraph, 6th line:

Where should be were

Page 4, Section VI, paragraph 1, 2nd line:

Zao Chang should be Xuefeng Cao

Page 5, Section VII, Under Keane's comments:

Keane should be Keane and serperate should be separate
MOTION PASSED with all in favor except Grunwald who abstained

V. Communications

a. 8/27/06 e-mail from Joe Pandolfo, Assistant. Clerk,
Storrs Friends Meeting (Quakers)

b. 9/1/06 e-mail from Charter Revision Commission Member Lisa Z. Eaton reminding members of Mansfield School's open house dates

- c. 9/1/06 Letter written by Chairman Bacon in response to Mr. Cao and related e-mail correspondences.
- d. 9/11/06 e-mail from Henry Krisch to Chairman Bacon - potentially inviting Michael Morrell, UConn Political Science Department, to a Charter Revision Commission meeting.
- e. 8/30/03 letter from Shamim S. Patwa, who sat in on a Charter Revision Commission meeting.

All above mentioned correspondences have received have been noted. (Correspondences attached to these minutes) Members discussed the potential of having Michael Morrell attend a future meeting, and Krisch to check availability of Morrell.

VI. Old Business

At this time Chairman Bacon opened the continued work session. He explained that each member has the opportunity to give their current perspective on the charge at hand, and any input that they have, or anything they request more information about would be noted at this work session in order to come to a final conclusion on each of the tasks. The following is notes on each charge as the members discussed them:

Charge #7 C406

Appropriations not in budget and budget transfers

Nesbitt-Thinks it makes sense to have Council/Manager responsible for the budget. If a department is over budget and they have to go to the Council, it brings the problem to the fore front. Still would like to hear from Goodrich and Finance.

Weiss-At the Town Meeting citizens are approving these line item, has a problem with the Council having the opportunity to switch the items/monies around any way they see fit. Either remove item or say that council can't switch money around.

Keane-Likes how the Model Charter handles the issue of budget transfers and thinks we should take note of it. Appropriations should be separate.

Bacon-Town Manager would like to see 0.5% limit increased, but did not indicate how much, and Bacon would like a rationale. Finance Director suggested that "full authority" should go to Town Council to make transfers without any restrictions. To what degree should the Charter restrict town councils power? Distinctions should be more clear.

Booth- Keep some oversight by public. If #'s have to be moved, would like to hear from the Finance Committee. Oversight kept for large transfers.

Dzurec-Regarding Smith's comment to get rid of all restrictions, raises question to why citizens even vote?

Quinn Clark- Would like input from all before mentioned parties: Finance and Town Council to see what increases are suggested. Clarify wording regarding special/extra Town meeting. Keep oversight.

Krisch- Agrees that transfers & appropriations should be kept separate (different issues) Unlimited transfers is a mockery of oversight. Some limitations to be set. Feels C406.B is a dead letter and is badly written.

Eaton- Would like to know (from Finance Board and Town Council) what % is appropriate. Agrees with Keene –separating in model charter.

VII. New Business

a. List of questions for the Town Council and Goodrich

A **Special Meeting** has been scheduled for Tuesday, September 19, 2006 at 7:00pm in the Council Chambers to compile a list of questions for Goodrich, Town Council, Town Attorney, and Finance Committee.

b. Other

An update was given to the members of the Charter Revision Commission who were not at the Know Your Town Fair. Members talked with residents and encouraged them to come to the meetings or write to the Commission with concerns/likes/dislikes/questions.

Mention that the following Open Houses are coming up, and any members able to attend would be beneficial.

Mansfield Middle School is tonight: 9-12-06

Annie E. Vinton is 9-13-06

Goodwin Elementary is 9-14-06

E. O. Smith High School is on 9/21/06

VIII. Future Agenda Items

- Continue working on Charges 8-14, and create a list of questions for Goodrich and Town Council, and decide if we want to have Finance Committee come back.
- Goodrich coming on September 26, 2006, questions, charges, and The Charter to be sent to him prior to his appearance. Booth suggested extending invitation to the Council.
- Would like Finance Board to come back and meet with the Commission.

Krisch suggested sending a questionnaire to the Town Council on what their opinion is on what if anything is hindering or facilitating their work.

IX. Adjournment

Booth MOVED, Dzurec seconded to adjourned its meeting at 9:30 p.m.
MOTION PASSED UNANIMOUSLY.

Respectfully submitted,

Jessie L. Shea
Clerk

Mansfield Commission on Aging Minutes

2:30 PM – Senior Center

Monday, June 12, 2006

Present: K. Grunwald (staff), S. Thomas (Chair), W. Bigl, M. Thatcher, T. Quinn, B. Acebo, P. Hope (staff), C. Phillips, K. Doeg, J. Kenny (staff), S. Gordon, C. McMillan, J. Brubacher
Regrets: E. Norris, D. Mercier

- I. **Call to Order** - Chair S. Thomas called the meeting to order at 2:33 PM.
- II. **Appointment of Recording Secretary:** K. Grunwald agreed to take minutes for the meeting.
- III. **Acceptance of Minutes:** the minutes of the May 8, 2006 meeting were accepted as written, with the correction that the legislation licensing homecare providers *did* pass. (J. Kenny's report).
- IV. **Correspondence** – Chair and Staff: none.
- V. **Optional Reports on Services/Needs of Town Aging Populations**
 - A. **Health Care Services**

Wellness Center and Wellness Program – J. Kenny distributed copies of her monthly report. The M-Team is working to educate seniors on how to hire home healthcare workers, consistent with the new legislation.

Mansfield Center for Nursing and Rehabilitation – J. Kenny did not attend their board meeting, but was told that there will be more marketing done to explain the ownership and management structure of Good Samaritan, which operates MCNR and Juniper Hill. K. Doeg raised a question about their relationship with Glen Ridge changing once the last unit is completed. There was no clarification on this. Robert Kremer is the new Administrator of Glen Ridge.
 - B. **Social, Recreational and Educational**

Senior Center – P. Hope distributed copies of her monthly report. Participation is up in the meals programs. The plan is for TVCCA to begin cooking the noon meals here at the Senior Center in September. A final Medicare Part D presentation was done prior to the deadline for enrollment. Patty mentioned that the construction on Maple Rd. has had an impact on attendance at the Center. Two new aerobic classes will be added through an arrangement with WellQuest. The Senior Center will be closed the third week in July for maintenance; Meals On Wheels will be delivered Tues, Wed. and Thurs. Holiday meals will be delivered on Mon. and Fri. K. Grunwald reported on the status of the new transportation services for seniors and people with disabilities. There were several suggestions for how to publicize this.

Senior Center Assoc. – J. Brubacher mentioned that they are still waiting for the shed to be delivered. The Chorus is in the middle of their Spring concert tour.

The Annual Association Banquet is 6/21 at Zenny's. The Association is still trying to get approval for a category of associate membership.

C. Housing

Assisted Living Project: no news.

Juniper Hill: no report

Jensen's Park: W. Bigl reported that residents have raised a question as to why there is not a senior membership rate at the Community Center? S. Thomas reported that the Community Center needs to be self-supporting. P. Hope reminded members of the Town's fee waiver program. M. Thatcher asked whether or not this issue should be posed to the Community Center? S. Thomas felt that it should be based on income and not age. K. Grunwald let members know that the Town Council establishes membership fees, and concerns could be directed to them.

D. Related Town and Regional Organizations such as:

Advisory Committee on the Needs of Persons with Disabilities: K. Grunwald mentioned that the Committee has approached the Traffic Authority to review the number of accessible parking spaces at the Community Center.

Town Community Center: no report.

Town Plan of Conservation and Development: no report.

Senior Resources of Eastern CT: no report.

VI. Old Business

Distribution of The Survey - K. Grunwald distributed the final version of the senior survey that will go to all registered voters age 55 and over.

Report on Charter Revision Commission – T.Quinn reported that the Commission has been appointed and they have had their first organizational meeting. The next meeting is scheduled on June 13. His feeling is that many of the members are not entrenched in local politics. The Town Manager has identified 18 issues in the charter for them to review. This includes how the Town's budget will be approved. The committee will finish their work in a year, and their recommendations will then go to the Town Council. S. Thomas suggested that this be added as a regular agenda item, and the members agreed to this.

VII. New Business: B. Acebo mentioned that much construction is going on at Juniper Hill, which is making it difficult for residents. The general feeling is that the facility was not well-designed for seniors. Concerns were raised about what type of Assisted Living facility will be built.

VIII. Adjournment

The meeting was adjourned at 3:55 PM. The next meeting is scheduled for Monday, September 12, at 2:30 pm at the Senior Center

Respectfully submitted,
Kevin Grunwald

Town of Mansfield
CONSERVATION COMMISSION
Meeting of 6 August 2006
Conference B, Beck Building
MINUTES

Members present: Jennifer Kaufman, Scott Lehmann, John Silander, Frank Trainor. Members absent: Robert Dahn, Peter Drzewiecki, Quentin Kessel. Others present: Grant Meitzler (Wetlands Agent).

1. The meeting was called to order by Acting Chair John Silander at 7:35p.
2. The minutes of the 19 July 06 meeting were accepted as written (Revised Draft, dated "7/37/06").
3. **EIE – ECSU Softball field.** The Commission looks forward to receiving the promised report from the Director of Planning.
4. **Torrey boundary marking.** Kedrin Silsbee is supposedly working with Robert Dahn on this project, but nobody knows if it's really happening.
5. **IWA referrals.**
 - a. **W1356 (Nowak).** The proposed project is a 28'x30' addition and 16'x24' above-ground pool, within 50' – 75' of wetlands. The site map is not to scale and does not indicate relief, which Meitzler indicates is steep. Construction details are missing, but 5 cubic yards of excavation seems low, given the size of the addition and sloping terrain at the proposed pool. For these reasons, the Commission agreed (motion: Kaufman, Trainor) that it does not yet have enough information to give informed advice to the IWA.
 - b. **W1357 (Town of Mansfield Public Works).** The proposed project is a replacement bridge on Dodd Road; temporary culverts will divert flow and fish during construction. The Commission agreed (motion: Lehmann, Trainor) that plans for the project are acceptable, given the constraints imposed by geography.
 - c. **W1358 (Stoll).** The proposed project is a 10'x14' garden shed within the wetland buffer. The Commission agreed (motion: Kaufman, Trainor) that there should be no significant impact on wetlands (as long as any chemicals in the shed are stored properly); however, it recommends moving the shed slightly back from the conservation easement boundary.
 - d. **W1359 (Algonquin Gas Transmission).** The proposed project is to install a "cathodic protection ground bed" to retard corrosion of existing 24" and 30" natural gas pipelines where they cross Rt. 32. The anti-corrosion system, consisting of cast iron anodes connected to the pipeline by electric cable, will be laid in a narrow trench 880' long and over 5' deep between Rt. 32 and the Central Vermont RR line; 520' of it will be in wetlands. The Commission agreed (motion: Trainor, Kaufman) that this project will clearly have a very significant impact on wetlands and that the IWA should require that it be undertaken so as to minimize damage to wetlands: machinery that minimizes harm to soft soils should be used, existing trees and shrubs should be preserved to the extent possible, the trench should be filled as soon as possible (with excess soil removed and not

simply dumped to the side), and disturbed areas should be reseeded with appropriate species (rye grass, mentioned in the proposal, is not a wetland species). The Commission also regrets that the proposal does not include an environmental impact assessment.

6. **Acknowledgements.** The Commission noted receipt of:

- a. A copy of permit applications from the Army Corps of Engineers to repair scour damage to bridges on Chaffeeville and Atwoodville Roads.
- b. A copy of Denise Burchsted's letter to Thomas Callahan, requesting that a representative from the Naubesatuck Watershed Council be included on the University's water supply advisory committee and that the Council participate in the water system master planning process. The Commission would appreciate being kept informed of, and given the opportunity to comment on, the University's water supply plans as they are developed.

7. **Adjourned** at 8:50p.

Scott Lehmann
Acting Secretary
18 August 06

MINUTES

MANSFIELD INLAND WETLAND AGENCY
 Regular Meeting, Monday, August 7, 2006
 Council Chambers, Audrey P. Beck Municipal Building

Members present: R. Favretti (Chairman), B. Gardner, J. Goodwin, R. Hall, K. Holt, P. Plante, B. Ryan, G. Zimmer
 Members absent: P. Kochenburger
 Alternates present: C. Kusmer, V. Stearns
 Alternates absent: B. Pociask
 Staff present: G. Meitzler, (Wetlands Agent), G. Padick (Director of Planning)

Chairman Favretti called the meeting to order at 7:06 p.m., appointing Stearns to act in place of Kochenburger.

Minutes

7/5/06 – Plante MOVED, Holt seconded, to approve the Minutes as written. MOTION PASSED with all in favor except Goodwin who disqualified herself.

7/17/06 (Special Meeting) – Gardner MOVED, Stearns seconded, to approve the Minutes with the correction of the meeting date: To read Monday, July 17, 2006. MOTION PASSED with all in favor except Goodwin, Hall, Plante, and Ryan who disqualified themselves.

7/19/06 (Field Trip) – Holt MOVED, Favretti seconded, to approve the Minutes with the correction that Holt had disqualified herself from Item #3. MOTION PASSED with Favretti, Holt, and Gardner in favor, and all others disqualified.

Communications:

A copy of the Town of Mansfield Conservation Commission minutes of the July 19, 2006 meeting was noted with particular attention to Item #4 - IWA Referrals.

A 7/26/06 Wetlands Agent's Monthly Business report was noted.

Old BusinessW1351A – Troyer-Mansfield City Road-Addition in buffer

After a brief discussion, Holt MOVED, Hall seconded to grant an Inland Wetlands License under Section 5 of the Wetlands and Watercourses Regulations of the Town of Mansfield to John Troyer (file W1351A), for construction of an addition to an existing single-family residence on property owned by the applicant located at 840 Mansfield City Road, as shown on a map dated 6/14/06, and as described in other application submissions. This action is based on a finding of no anticipated significant impact on the wetlands, and is conditioned upon the following provisions being met:

1. Appropriate erosion and sedimentation controls (as shown on the plans) shall be in place prior to construction and maintained during construction and removed when disturbed areas are completely stabilized.

This approval is valid for a period of five years (until 8/7/2011), unless additional time is requested by the applicant and granted by the Inland Wetlands Agency. The applicant shall notify the Wetlands Agent before

any work begins, and all work shall be completed within one year. Any extension of the activity period shall come before this agency for further review and comment. MOTION PASSED UNANIMOUSLY.

W1352- Town of Mansfield-Plains Road, River Park project

Kristen Schwab from the UConn Landscape Architecture Program was present to answer any questions that the Commission might have. After a brief discussion, Holt MOVED, Gardner seconded, to grant an Inland Wetlands License under Section 5 of the Wetlands and Watercourses Regulations of the Town of Mansfield to the Town of Mansfield (file W1352), for construction of a recreation area, parking area, boat launch, trails, and sitting area in Phases IA and IB, on property owned by the applicant located at Plains Road, as shown on a map dated 6/1/06, revised through 7/21/06, and as described in other application submissions. This action is based on a finding of no anticipated significant impact on the wetlands, and is conditioned upon the following provisions being met:

1. Appropriate erosion and sedimentation controls (as shown on the plans) shall be in place prior to construction and maintained during construction and removed when disturbed areas are completely stabilized.
2. A supplemental plan giving grass planting and fertilizing instructions shall be included with the final plans. This approval is valid for a period of five years (until 8/7/2011), unless additional time is requested by the applicant and granted by the Inland Wetlands Agency. The applicant shall notify the Wetlands Agent before any work begins, and all work shall be completed within one year. Any extension of the activity period shall come before this agency for further review and comment. MOTION PASSED UNANIMOUSLY.

W1353- Henning/Doyen-Moulton Road-Garage/Workshop

After brief discussion, Holt MOVED, Hall seconded, to grant an Inland Wetlands License under Section 5 of the Wetlands and Watercourses Regulations of the Town of Mansfield to Robert Henning and Sally Doyen (file W1353), for construction of a garage addition and a deck on a single family residence, on property owned by the applicants located at 166 Moulton Road, as shown on a map dated 6/27/06, and as described in other application submissions. This action is based on a finding of no anticipated significant impact on the wetlands, and is conditioned upon the following provisions being met:

1. Appropriate erosion and sedimentation controls (as shown on the plans) shall be in place prior to construction and maintained during construction and removed when disturbed areas are completely stabilized.

This approval is valid for a period of five years (until 8/7/2011), unless additional time is requested by the applicant and granted by the Inland Wetlands Agency. The applicant shall notify the Wetlands Agent before any work begins, and all work shall be completed within one year. Any extension of the activity period shall come before this agency for further review and comment. MOTION PASSED UNANIMOUSLY.

W1354- Shafer Properties LLC., Center Street-drainage system relocation

Goodwin and Holt disqualified themselves, and Stearns and Kusmer were appointed to vote in their stead. After brief discussion, Ryan MOVED, Hall seconded, to grant an Inland Wetlands License under Section 5 of the Wetlands and Watercourses Regulations of the Town of Mansfield to Shafer Properties, LLC (file W1354), for replacement of a septic system and associated improvements on a 0.6 acre lot on the north side of Center Street, on property owned by the applicants located on the east side of Storrs Road, as shown on plans bearing latest revision date 12/31/00, and as described in other application submissions. This action is based on a finding of no anticipated significant impact on the wetlands, and is conditioned upon the following provisions being met:

1. Appropriate erosion and sedimentation controls shall be in place prior to construction and maintained during construction and removed when disturbed areas are completely stabilized.

2. Silt fence is needed along the north side of the construction area. This should stay in place until the regraded area becomes established to grass.
3. A rip-rap plunge pool/level spreader is needed to capture sediment at the proposed pipe outfall. (A sketch is attached)

This approval is valid for a period of five years (until 8/7/2011), unless additional time is requested by the applicant and granted by the Inland Wetlands Agency. The applicant shall notify the Wetlands Agent before any work begins, and all work shall be completed within one year. Any extension of the activity period shall come before this agency for further review and comment. MOTION PASSED UNANIMOUSLY with Goodwin and Holt disqualified.

W1355-Halle-Spring Hill Road, Resubdivision

After brief discussion, Holt MOVED, Hall seconded, to grant an Inland Wetlands License under Section 5 of the Wetlands and Watercourses Regulations of the Town of Mansfield to Spring Valley, LLC (file W1355), for a 2-lot residential subdivision, on property owned by the applicants located at Spring Hill Road and Maple Road, as shown on a map dated 6/27/06, and as described in other application submissions. This action is based on a finding of no anticipated significant impact on the wetlands, and is conditioned upon the following provisions being met:

1. Appropriate erosion and sedimentation controls shall be in place prior to construction and maintained during construction and removed when disturbed areas are completely stabilized.
2. Finished grading and sediment and erosion control details shall be shown at the driveway entrance/ culvert area.

This approval is valid for a period of five years (until 8/7/2011), unless additional time is requested by the applicant and granted by the Inland Wetlands Agency. The applicant shall notify the Wetlands Agent before any work begins, and all work shall be completed within one year. Any extension of the activity period shall come before this agency for further review and comment. MOTION PASSED UNANIMOUSLY.

New Business

Informational:

W1360- Region 19-Depot Road, Waterline

Grant Meitzler referred to an 8/3/06 memo, which outlined the plans for this work. He summarized the proposed work to be done, and indicated that the 8" water line will run from the Day Care Center across the railroad tracks to the Reynolds School. It is his opinion that a wetland permit is not necessary. Zimmer MOVED, Holt Seconded, that the area is not considered a wetland and does not require a permit. MOTION PASSED UNANIMOUSLY.

Applications:

W1356-Nowak-Stafford Road-deck and addition in buffer

Goodwin MOVED, Holt seconded, to receive the application submitted by Stan Nowak (File W1356) under Section 5 of the Wetlands and Watercourses Regulations of the Town of Mansfield for the construction of a swimming pool and a 30' x 28' addition to a single family residence, at 621 Stafford Road, on property owned by the applicant, as shown on a map dated July 31, 2006, and as described in other application submissions, and to refer said application to the staff and Conservation Commission for review and comment. MOTION CARRIED UNANIMOUSLY.

W1357-Town of Mansfield-Dodd Road Bridge replacement

Goodwin MOVED, Gardner seconded, to receive the application submitted by Town of Mansfield Department of Public Works (File W1357) under Section 5 of the Wetlands and Watercourses Regulations of the Town of

Mansfield for the Replacement of Dodd Road Bridge at Dodd Road, on property owned by the applicant, as shown on a map dated June 27, 2006, and as described in other application submissions, and to refer said application to the staff and Conservation Commission for review and comment. MOTION CARRIED UNANIMOUSLY

W1358 Stoll-Homestead Drive-shed in buffer

Goodwin MOVED, Holt seconded, to receive the application submitted by Raymond E. Stoll (file W1358) under Section 5 of the Wetlands and Watercourses Regulations of the Town of Mansfield for the installation of a 10' x 14' storage shed on gravel at 38 Homestead Drive, on property owned by the applicant, as shown on a map dated October, 31, 2003, and as described in other application submissions, and to refer said application to the staff and Conservation Commission for review and comment. MOTION CARRIED UNANIMOUSLY.

W1359-Algonquin Gas Transmission LLC., Route32-cathodic protection

Goodwin MOVED, Holt seconded, to receive the application submitted by Algonquin Gas Transmission LLC (file W1359) under Section 5 of the Wetlands and Watercourses Regulations of the Town of Mansfield for the installation of a new cathodic protection ground bed in existing 24"/30" gas pipelines, at the mainline pipeline crossing of Route 32, on property owned by the applicant, as shown on a map dated May 19, 2006, and as described in other application submissions, and to refer said application to the staff and Conservation Commission for review and comment. MOTION CARRIED UNANIMOUSLY

Modification Request:

W1347A-Spakoski-Mount Hope Road-fence and DAE definition

A brief discussion was held, Holt MOVED, Hall seconded, to receive and approve the application for modification of an existing permit (previously approved on June 5, 2006) as submitted by Frank Spakoski, (file W1347A), to depict on the final plans the location of the following items: fencing for animals, Development Area Envelope placement and markings, and the boundaries of the Conservation Easement area. These modifications are shown on a map dated July 5, 2006, revised through July 31, 2006, along with other application submissions.

This approval is subject to the following conditions:

1. All conditions of the previous approval shall apply, except Condition #3, requesting the submission of the modification.
2. This approval is valid until June 5, 2011.

Field Trip

A field trip is scheduled for Wednesday, August 23rd at 1:00 p.m.

Reports of Officers and Committees:

No discussion was held.

Other Communications and Bills:

DEP Re: Fenton River wellfields

During discussion about the letter from DEP to UConn about the University's wellfields in the Fenton River, Commissioner Plante stated he would like someone from UConn to attend an IWA meeting to clarify some of

the contradictions in the informational material that was presented. He was especially concerned about additional users such as the proposed Downtown area and the Four Corners area.

Padick informed the Commission that the DEP will be conducting a study within the next six months, and suggested sending a letter to UConn regarding our interest in the results of the study. Members agreed by consensus that a letter should be sent to UConn officials asking for the study results as well as asking them to come to an IWA meeting now, before the study is finished.

Adjournment:

The meeting was adjourned at 7:51 p.m.

Respectfully submitted,

Katherine K. Holt, Secretary

Mansfield Parks Advisory Committee

Minutes of June 7, 2006

Present: Juliana Barrett Sue Harrington, Tom Harrington, Jean Haskell, Jennifer Kaufmann, David Silsbee, Kedron Silsbee

PAC voted to authorize Krishna Ghandi's Eagle Scout Project to install a drainage pipe on a trail at Merrow Meadow, and Adam Warren's Eagle Scout project to do trail maintenance at Dunhamtown Forest.

The minutes from the March 1st meeting were approved

Jacquelyn Perfetto moved out of Mansfield, so is no longer on PAC. She said she would stay in touch.

Sue and Tom are doing IPANE monitoring this summer and will take notes on the properties that they monitor.

Jean is going to take steps to ensure that the mowing schedule at Horsebarn Hill is OK for grassland birds.

Someone from PAC will get together with the Open Space Committee to discuss the wording of the open space referendum.

We were thinking about the Land Management Forum in September – but thought it should be after the open space referendum vote

Jennifer is having a parks art exhibit in the community center. She will write a letter to the Arts Advisory committee saying that PAC and OSPC are interested in the arts exhibit.

We want a channel of communication opened between us and the PZC about what happens to our advisory comments about new subdivisions. They will send a report.

David volunteered to work on a Schoolhouse Brook management plan to integrate the Larkins and Morneau properties

Juliana said she would work on making a separate management plan for the Bonemill Subdivision

Jean Haskell and Charlotte Pyle made a sample invasive plant infestations map for Mansfield.

Jean prepared a Mansfield Land Management Summary – Mansfield would benefit from managing properties more, and perhaps having a restricted fund for land management.

The meeting was adjourned at 9:20

MINUTES

MANSFIELD PLANNING AND ZONING COMMISSION

Regular Meeting, Monday, August 7, 2006

Council Chambers, Audrey P. Beck Municipal Building

Members present: R. Favretti (Chairman), B. Gardner, J. Goodwin, R. Hall, K. Holt, P. Plante, B. Ryan, G. Zimmer

Members absent: P. Kochenburger

Alternates present: C. Kusmer, V. Stearns

Alternates absent: B. Pociask

Staff present: G. Padick (Director of Planning) C. Hirsch (Zoning Agent)

Chairman Favretti called the meeting to order at 7:59 p.m., appointing Stearns to act due to the absence of Kochenburger.

Minutes:

7/17/06-Stearns MOVED, Holt seconded, to approve the Minutes of 7/17/06. All members in favor, except Hall, Goodwin, Plante, and Ryan who disqualified themselves.

7/19/06 (Field Trip)- Holt noted that the minutes from the field trip did not reflect in Item # 3 that she had disqualified herself. Holt MOVED, Favretti seconded, to approve the Field Trip Minutes of 7/19/06 as corrected. Motion passed with Gardner, Holt, and Favretti in favor, all others disqualified.

Scheduled BusinessZoning Agent's Report

Items A, B, were noted, commission members had no comments.

C. Request for ruling: Non-conforming use at 1728 Stafford Road

Chairman Favretti asked ZEO Curt Hirsch to update the board on the background of this property. Hirsch discussed the history of this property according to the information provided by affidavits from the current and previous property owners.

Attorney Stephen Bacon, representing the current property owner, commented that two affidavits show there has been a non-conforming commercial use (repair garage) at this property location for many years, and he hoped that the Planning and Zoning Commission would make a ruling to confirm that.

With no further discussion, Plante MOVED, Holt seconded, that the Planning and Zoning Commission hereby acknowledges that the commercial repair of automobile, truck and construction equipment has taken place at 1728 Stafford Road, prior to and since the Town's enactment of Zoning Regulations and whereas the subject property is zoned residentially, this commercial repair activity constitutes a non-conforming use in the Town of Mansfield. MOTION PASSED UNANIMOUSLY.

D. Update on Hall site restoration, trailer removal activities

Hirsch notified the Commission that no new activity has occurred at the Hall property since his last update.

8/7/06 Public HearingsA. Re-Subdivision Application, Gifford Estates Resubdivision, 2 new lots on Maple and Spring Hill Roads, Spring Valley LLC., applicant, File #1250

Chairman Favretti opened the Public Hearing at 8:08 p.m., and appointed Stearns to act for Kochenburger. Present were Favretti, Gardner, Goodwin, Hall, Holt, Plante, Ryan, Stearns, Zimmer, and Kusmer. At this time Gregory Padick, Director of Planning, disqualified himself. Curt Hirsch, Zoning Agent, read the Public Notice and referenced a 6/27/06 memo from G. Meitzler, Assistant Town Engineer; a 7/6/06 memo from R. DeVito, Sanitarian from Eastern Highlands Health District; a 7/17/06 memo from F. Raiola, Assistant Fire Marshal; and a 7/26/06 memo from C. Hirsch, Zoning Agent.

Ed Pelletier of Datum Engineering represented the applicant and presented the Commission with receipts from neighborhood notifications.

Holt mentioned that the stonewalls on either side of the drive were too close for a common driveway, and suggested that the wall be expanded as required for 2 houses, or keep the wall as is and have one house. She also expressed concern that headlights from any cars traveling down this driveway before the turn would shine directly into the neighbor's home, thus requiring buffer plantings.

Hirsch asked for clarification of how much acreage this property has. Pelletier stated that there was a discrepancy in the plans, and the correct figure is 9.9 acres.

Pelletier expressed to the Commission that he would like to keep the Public Hearing open in order to adequately address the concerns raised in the staff reports and at this meeting. He will have revised plans for the continuation of the Public Hearing on September 5, 2006.

With no further comments, Holt MOVED, Gardner seconded, to continue the Public Hearing until the September 5, 2006 meeting. MOTION PASSED UNANIMOUSLY.

B. Special Permit Application, River Park, Plains Road, Town of Mansfield o/a, File #1249

Chairman Favretti opened the Public Hearing at 8:18 p.m., and appointed Stearns to act for Kochenburger. Present were Favretti, Gardner, Goodwin, Hall, Holt, Plante, Ryan, Stearns, Zimmer, and Kusmer. Padick read the Public Notice and referenced a 7/16/06 memo from R. DeVito, Sanitarian from Eastern Highlands Health District; a 7/17/06 memo from L. Hultgren, Director of Public Works; a 7/25/06 memo from F. Raiola, Assistant Fire Marshal; an 8/1/06 memo from J. DeWolf, Member of the Mansfield Advisory Committee on Person with Disabilities; an 8/4/06 memo from G. Meitzler, Assistant Town Engineer; and an 8/4/06 memo from G. Padick, Director of Planning.

Kristen Schwab from the UConn Landscape Architect Program, and C. Vincente, Director of Parks and Recreation, were both present to answer any questions the Commission or audience might have about the proposal. Vicente stated that the primary use of the park is for canoeing, rafting, an open field for citizens to play on, bring their dogs, have picnics, and other recreational family activities. Schwab stated that the intended use for the park is not to hold regular games on the field, but to use it as an occasional overflow field for practice. She added that on the occasion that a game does need to be held at the River Park, overflow parking would be available on one side of the road, and possibly posting No Parking Signs on the other side.

Schwab indicated that the plans will be revised, and asphalt will be used in place of stone in response to the memo from Mansfield Advisory Committee on Person with Disabilities. Schwab would like to keep the hearing open in order to address other suggestions made by staff.

Favretti mentioned the need to keep the Public Hearing open, awaiting a response from the State Department of Environmental Protection. He also suggested Schwab look into using different plants that are deer resistant to replace a few of those indicated.

Padick informed the Commission that the plans show a 20-foot wide driveway, and the Regulations say for two-lane traffic the driveway is to be 24 feet wide, unless otherwise approved by the Commission.

Plante asked what the future plans are for the park. The application is for Phase IA & IB only. Phase IA is construction of parking area and the field. Phase IB is the construction of the boat ramp. Phase II is shown on the submitted plans, but it is intended for a future part of the project and is subject to grant monies being available.

Suggestion was made by members to look into having a portable toilet facility at the park to accommodate citizens. Vincente indicated that they were not proposing to install such facilities at this park because it is not being used as a primary location for Town sporting events. He compared it to other "passive parks" owned by the Town that do not have regularly scheduled sporting events, and do not necessitate toilet facilities.

It was also suggested that the area should be posted "No Swimming" or "No lifeguard on duty" to deter citizens from swimming, and to reduce liability. Vincente noted that it would not be advertised as a swimming facility.

Zimmer MOVED, Hall seconded, to keep the Public Hearing open until September 5, 2006. MOTION PASSED UNANIMOUSLY.

C. Special Permit Application, proposed efficiency unit at 238 Maple Road, P. Peters, File # 1248

Chairman Favretti opened the Public Hearing at 8:37 p.m., and appointed Stearns to act for Kochenburger. Present were Favretti, Gardner, Goodwin, Hall, Holt, Plante, Ryan, Stearns, Zimmer, and Kusmer. Padick read the Public Notice and referenced a 7/12/06 memo from R. DeVito, Sanitarian from Eastern Highlands Health District; an 8/2/06 letter from G. Fait, subject property neighbor; and an 8/4/06 memo from G. Padick, Director of Planning.

No one representing the applicant was present, and no return receipts have been submitted. Padick noted that the Public Hearing cannot be closed until confirmation of neighborhood notification is verified.

Holt MOVED, Plante seconded, to keep the Public Hearing open until September 5, 2006.

Other Old Business

1. Consideration of Action on Public Hearing Items listed above
Item tabled due to continuation of Public Hearings.
2. Bonding Issues:
 - A. Mulwood East, File #1225
Item tabled.
 - B. Maintenance Bond, Maplewoods, Section 2, Max Felix Drive
Item tabled.
 - C. Fencing/Landscaping Bone Mill Subdivision, File #1219
Padick reported that there seems to be a basis for getting the work resolved, and that he will keep the Commission updated on this subject. Item tabled.

3. Review of Potential Presentation by the Green Valley Institute on Open Space Subdivisions
The Commission discussed, and agreed that they would like staff to arrange for the presentation to be held on the second Monday of October or November.
4. 6/2/06 Letter from J. Spears RE: Storage areas-Colonial Townhouse Apartments, Foster Drive
Padick summarized the response he wrote to J. Spears, and stated that a modification approval was not necessary because the issue is between the property owners and tenants.
5. PZC proposed revisions to the Zoning Regulations File #907-28
After brief discussion, Gardner MOVED, Ryan seconded, to approve, effective August 31, 2006, the attached PZC-proposed revisions to Articles III, VII and X of the Zoning Regulations. The revisions were presented as a 6/14/06 draft at a Public Hearing held on July 17, 2006. The approved revisions extend until 2/5/07 an existing moratorium on new applications to create a Design Multiple Residence, Planned Residence or Age-Restricted Housing zone on land currently zoned Professional Office-3 or Industrial Park, located in southern Mansfield, south of Pleasant Valley Road; incorporate specific signage requirements for home occupations and delete an inappropriate definition reference for home occupation; specify that grand opening events must be conducted within 6 months of a business opening; delete specific wording references for accessible parking space signage; and expand a listing of animals that are not permitted as accessory in the R-20 and R-90 zones.

These revisions are adopted pursuant to the provisions and authority contained in the CT General Statutes, including Section 8-2, which grant the PZC the following:

- the authority to regulate the location and use of buildings, structures and land for trade, industry, residence or other purposes;
- the mandate to promote health, public safety and the general welfare, to prevent the overcrowding of land;
- the mandate to give reasonable consideration as to the character of a zoning district and its peculiar suitability for particular uses and with a view to conserving the value of buildings and encouraging the most appropriate use of land throughout such municipality.

The attached revisions to the Zoning Regulations are adopted for the following reasons:

1. To regulate land uses in a manner best suited to carry out the purposes of Title 8, Chapters 124 and 126 of the CT General Statutes; to promote the goals and objectives of Mansfield's Plan of Conservation and Development and Article I of the Zoning Regulations; and to promote the health, safety, convenience and welfare of the public. The Statement of Purpose in the new Article III, Section A.1 provides additional rationale for the adoption of the moratorium extension.
2. To encourage the most appropriate use of land, to protect and enhance the value of properties and to protect and enhance natural and manmade features and scenic resources in a potential multi-family housing zone in southern Mansfield;
3. To provide the Commission with the time necessary to study and begin implementing recently adopted goals, policies, and recommendations contained in Mansfield's 2006 Plan of Conservation and Development, and consider adoption of potential amendments to the Zoning Map and Zoning Regulations pursuant to Sections 8-2 and 8-25 of the Connecticut General Statutes.
4. The proposed term for the moratorium extension is considered reasonable in light of the objectives cited in #3 above and the importance of the subject area (see 7/7/06 memo from the Director of Planning)
5. During the forthcoming six (6)-month period, the Planning and Zoning Commission anticipates that a significant amount of time will be needed to review and act upon various elements of the planned

Storrs Downtown project, which will not be affected by the extended moratorium. Mansfield's Downtown Partnership, Inc. has completed work on a Municipal Development Plan (MDP) for a new Storrs Center Downtown development. Based on MDP information, this project may include over 170,000 square feet of retail and restaurant space, 80,000 square feet of office space and 800 units of housing. Next steps will include the submission of a zone change application to create a new Special Design District and new zoning regulations to address permitted uses, application submission and application approval processes. These applications are expected to be submitted during the fall of 2006. The review and processing of these applications may significantly affect the ability of the Commission and its staff to begin work on implementing new Plan goals, objectives and recommendations.

6. The revisions are considered acceptably worded and suitably coordinated with related zoning and subdivision provisions. The proposed wording has been found legally acceptable by the Town Attorney.
7. The revisions to Articles VII and X are designed to clarify existing provisions and enhance enforcement.

MOTION PASSED UNANIMOUSLY, with Hall and Goodwin disqualified.

6. Eastern CT. State University Parking Garage/Softball field relocation project
Padick referred to his 8/4/06 memo, and a brief discussion was held. Padick noted that this relocation will require a DEP Wetlands Permit, which will give Mansfield IWA the chance to review it. It was the consensus of the Commission that no written comments were necessary.
7. Potential Revisions to PZC/IWA Fee schedule
Item tabled
8. CCM information packet RE: Request for information on Political Signs
After a brief discussion, Padick noted to the Commission that no lawsuits have been filed as of yet in Connecticut regarding Political Signs.

New Business

1. Proposed tree removal at 21 Summit Road File #1010-2
After brief discussion, Holt MOVED, Hall seconded, that the Planning and Zoning Commission schedule a Public Hearing for Tuesday, September 5, 2006 for the proposed tree removal at 21 Summit Road and that staff refer the subject request to the Tree Warden/Public Works Director, the Town Council and property owners on Summit Road who have frontage within 500 feet of the subject tree.
MOTION PASSED UNANIMOUSLY.
2. New Special Permit Application, Proposed E.O. Smith High School classrooms at 85 Depot Road, Regional School District #19 applicant, File #1251
After brief discussion, Holt MOVED, Gardner seconded, to receive the Special Permit application (File #1251) submitted by Regional School District #19 for an alternative high school education facility, on property located at 85 Depot Road, owned by the Town of Mansfield, as shown on plans dated August 1, 2006, and as described in other application submissions, and to refer said application to the staff, Design Review Panel, and the Committee on the Needs of Persons with Disabilities for review and comments, and to set a Public Hearing for September 18, 2006. MOTION PASSED UNANIMOUSLY.

3. Reconsideration of Condition #8 of the Hall Gravel Removal renewal as approved on 7/17/06.File #910-2

After brief discussion, Holt MOVED, Stearns seconded, to amend Condition #8 of the Edward Hall Sand and Gravel Permit previously adopted at the PZC's regular meeting on July 17, 2006. The 3rd sentence of Condition #8 of the original approval motion shall be deleted in its entirety, as it is no longer applicable and has already been addressed. Therefore, the 3rd sentence of Condition #8 shall be deleted and a letter to Mr. Hall and his attorney and his engineer shall be sent stating said deletion.

All the rest of Condition #8 and all other conditions of the July 17 permit approval shall remain in place. The MOTION PASSED UNANIMOUSLY, with Plante and Goodwin disqualified.

Addition to the Agenda

At this time Favretti MOVED, Plante seconded, to add to the agenda under Item #4 New Business, The Mount Hope Subdivision. MOTION PASSED UNANIMOUSLY.

4. Mount Hope Subdivision

After brief discussion, Holt MOVED, Hall seconded, that the Planning and Zoning Commission hereby approves the Development Area Envelopes for the Mount Hope Farm Subdivision as depicted on sheet 1 of 3 of a subdivision plan dated 7/5/06 as revised 7/31/06, as prepared by Datum Engineering and Surveying. This action satisfies the need for DAE approval cited in condition #4 of the PZC's 7/5/06 approval motion. MOTION PASSED UNANIMOUSLY.

Reports of Officers and Committees

- There was no report from the PZC Chairman or Regional Planning Commission Representatives and note was made that the next meeting for the Regulatory Review Committee is scheduled for Wednesday, September 6, 2006 at 2:00 p.m., Gardner noted that she will be unable to attend.

Communications and Bills

- The agenda items were noted, and a brief discussion was held.
- Padick brought to the attention of the Commission Item #3, and noted that PZC comments would helpful to Lon Hultgren, Director of Public Works.
- Padick briefly discussed Item #4, and mentioned that the Town Council has set a date to visit the potential acquisition site, and noted that if the Town intends to pursue the purchase of this land, the Town Council will refer it to the PZC for a report.

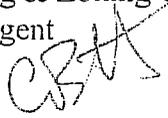
Adjournment

Favretti reminded the Commission that a Field Trip date was set during the IWA meeting for Wednesday, August 23, 2006 at 1p.m. Noting there was no additional business, Favretti declared the meeting adjourned at 9:19 p.m.

Respectfully submitted,

Katherine K. Holt, Secretary

To: Town Council Planning & Zoning Commission
 From: Curt Hirsch, Zoning Agent
 Date: September 12, 2006



Re: *Monthly Report of Zoning Enforcement Activity*
For the month of August, 2006

Activity	This month	Last month	Same month last year	This fiscal year to date	Last fiscal year to date
Zoning Permits issued	27	21	17	48	37
Certificates of Compliance issued	17	18	16	35	35
Site inspections	83	101	69	184	150
Complaints received from the Public	7	6	7	13	12
Complaints requiring inspection	2	3	4	5	6
Potential/Actual violations found	13	4	1	17	4
Enforcement letters	11	11	10	22	31
Notices to issue ZBA forms	2	1	2	3	4
Notices of Zoning Violations issued	8	3	1	11	6
Zoning Citations issued	4	0	3	4	3

Zoning permits issued this month for single family homes = 5 multi-fm = 3
 Fiscal year total: s-fm = 10 multi-fm = 3

**TOWN/UNIVERSITY RELATIONS COMMITTEE
COMMITTEE MEETING
Tuesday, August 8, 2006
University of Connecticut
Bishop Center**

Minutes

Present: P. Barry, J. Bradley, B. Clouette, J. Bell-Elkins, R. Miller, E. Paterson,
W. Simpson, G. Zimmer

Staff: M. Berliner, M. Hart, G. Padick

1. Opportunity for Public to Address the Committee

None.

2. June 13, 2006 Meeting Minutes

No minutes were taken for the June 13, 2006 meeting.

3. Update re: Mansfield Downtown Partnership

Mr. Berliner reported that Planning and Zoning had approved the 1A building and that construction should begin in Spring 2007.

Mr. Clouette pointed out that Senator Lieberman has received a \$2 million earmark for the parking garage. If the Senator is not reelected, perhaps Senator Dodd will be able to sponsor the legislation.

Mr. Berliner reported that tomorrow staff would be opening bids for the downtown connector, and that the town hopes to complete the work this fall. Mr. Clouette asked if the construction would pose a problem for the Storrs Farmers Market. Mr. Berliner and Mr. Hart thought that the project should cause only a minor interference.

Mayor Paterson stated that the Department of Community and Economic Development (DECD) now has everything it needs to review the town's urban action grant.

4. Mansfield Housing Code/Center for Off-Campus Services

Mr. Hart reported that new housing code has gone into effect, and the town has hired the staff necessary to administer the housing inspection program.

Ms. Bell-Elkins reported that the university is working on the classification of the positions necessary to staff the new center for off-campus services. Also, the university is looking at the possibility of retaining legal counsel that could provide advice to students living off-campus, particularly in the area of landlord-tenant law.

Mayor Paterson explained that she, Ms. Bell-Elkins and Mike Sarra, graduate assistant, had a met a few times over the summer to plan the activities of the Mansfield Community-Campus Partnership.

Mr. Padick recommended that we take proactive measures to inform the neighborhoods that the housing code has gone into effect. Mr. Hart explained that staff planned to conduct various public information sessions.

Mr. Hart also reported that the town plans to hold training for all of its code enforcement and public safety personnel, to ensure that all have some basic familiarity with the town's various codes and ordinances. Mr. Bradley encouraged the town to invite university personnel to this training. The town will do so.

Mr. Clouette talked about the importance of the town setting clear expectations for landlords, and landlords setting clear expectations for their tenants.

5. UConn Water and Wastewater Systems Master Plan

Mr. Berliner reported that the university has distributed the request for proposals to select a consultant to prepare the master plan for water and wastewater services. Submissions are due by the end of August 2006.

Mr. Clouette mentioned that while driving on Route 195 the past few weeks he had noticed the smell of effluent. Mr. Miller explained that Mr. Clouette might have noticed the smell from manure spreading. Also, there is a reporting system in place.

Mr. Zimmer encouraged the university to use best practices with respect to manure handling. Mr. Miller explained that the university is working on this issue, and is looking for ways to fund a pilot facility. The university is emphasizing composting, which could be regulated by the EPA in the near future. Mr. Miller encouraged everyone to look at the www.ecohusky.uconn.edu website for more information about the office of environmental policy's activities.

6. Other Business

Mr. Miller asked about the town's Tour de Mansfield cycling event. Mr. Hart explained that the event was well received, and that over 100 riders participated.

Mr. Clouette reported that Dean David Woods, Philip Lodewick and Denise Merrill, among others, were hoping to revive the university's summer theatre.

Mr. Simpson made a motion, seconded by Mr. Clouette, to adjourn the meeting. The motion passed unanimously, and the meeting adjourned at 4:57 p.m.

Respectfully submitted,

Matthew W. Hart
Assistant Town Manager

WINDHAM REGION COUNCIL OF GOVERNMENTS
MINUTES – August 4, 2006
Draft

A meeting of WINCOG was held August 4, 2006 at the Windham Town Hall, 979 Main Street, Windham, CT. Chair Rusty Lanzit called the meeting to order at 8:35 a.m.

Voting COG Members present: Rusty Lanzit, Chaplin; Don Cianci, Columbia; John Elsesser, Coventry; Elizabeth Paterson, Mansfield; Elizabeth Wilson, Scotland; Michael Paulhus, Windham.

Non-Voting COG Members present: Rob Skinner, Columbia; Martin Berliner (alt.), Mansfield.

Others: Roberta Dwyer, Northeast Alliance

Staff Present: Barbara Buddington.

MINUTES

MOVED by Ms. Patterson, SECONDED by Mr. Elsesser to approve the minutes of the 7/7/06 meeting as submitted. MOTION CARRIED with no opposing votes.

PUBLIC COMMENT

Ms. Dwyer reported that the NE Alliance has, after a six month process, received its funding through the State Bond Commission.

TRANSPORTATION

Rural Minor Collector Program: The group discussed ConnDOT's reallocation of about-to-lapse unprogrammed FFY 2008 funding from the NECCOG allocation to Coventry's South Street project. Mr. Elsesser expressed displeasure with the high overhead costs that ConnDOT was charging on the project, and indicated that he was not sure that the town would use funds from this project in the future. The Board requested staff to discuss with other rural RPOs, ConnDOT and FHWA possible ways to ease the requirements for projects under this program, particularly in light of the small annual allocations provided.

I-395 TIA Plan Update: Ms. Buddington reported on yesterday's I-395 TIA meeting in Norwich and noted that the TSB has requested an update from the TIA by September 1 (or as soon thereafter as possible). She asked for input into projects that they would like to see included in the TIA plan update. The following were recommended by consensus: WRD vehicle maintenance and storage facility; increased funding for the maintenance of local roads, better port/rail connections; and improvements to Windham Airport.

Route 6: The Board asked staff to request that ConnDOT review the post-improvement performance of Route 6 – noting any changes in the frequency and severity of accidents and the capacity of the road.

DEMHS FFY 2006 FUNDING

Towns should have received – or should soon receive – a town-specific form to designate an administrator for their FFY 2006 homeland security grant funds. Ms. Buddington reported clarifications that came out of yesterday's DEMHS / RPO meeting:

- The \$2,000 bonus comes into play only if a town designates the RPO as administrator for ALL of its funds.
- The RPO is allowed to take a maximum of 3% of the funds administered to cover the costs of administering the funds.
- Any town that does not yet have a high band radio must use these funds to purchase one.
- There will be no municipal funds allocated from the FFY 2007 Homeland Security grant.

Discussion followed. Noting that the region will be required to act regionally next year, and that acting regionally could result in an additional \$20,000 to be used toward addressing the region's emergency preparedness needs, it was **MOVED** by Ms. Paterson, **SECONDED** by Ms. Wilson, that the towns in the Windham Region be encouraged to designate WINCOG as the administrator of their FFY 2006 Homeland Security funds, and that the towns use this as an opportunity to identify the needs in the region and to act regionally to address those needs. **MOTION CARRIED UNANIMOUSLY.**

ECONOMIC DEVELOPMENT COMPACT

The Capitol Region Economic Development Cooperation Compact was discussed. It was agreed that staff should use this as a template and draft a compact for consideration by WINCOG and NECCOG as part of the Northeastern CT Economic Partnership.

SEARCH PROCESS

The Board reviewed the revised job description drafted by Mansfield Assistant Town Manager Matt Hart. There was discussion about hiring someone as an interim director and about contracting with another RPO for "back office" services. It was eventually agreed by consensus that the position should be re-advertised in about a week, with the intent of beginning the screening process three weeks from the date of advertising. If this fails to produce an appropriate candidate, then other options will be considered. Ms. Buddington reaffirmed her willingness to continue full time at least through Labor Day.

MEMBERS FORUM

Mr. Lanzit reported that in his town the Recreation Commission has a special fund (from donations, etc). Recently the commission decided to disband (which technically they could not do, as they were created by a town ordinance), and they decided to give away the money in their special fund. Mr. Lanzit stopped payment on the checks, as they did not have the authority to take that action – the funds belong to the town. He asked for advice / opinions from the other members. Other members agreed that once funds go into a special fund, they belong to the town, and ALL expenditures from all funds, including special funds, need to go through the normal process of approval by the fiscal officer and/or chief administrator.

Ms. Wilson asked Mr. Paulhus how the improvements to the dispatch center were progressing. He responded that the funds will probably be released October 1. Design has started with a small USDA loan, and construction should begin in the fall.

Mr. Paulhus reported that a downtown group was trying to figure out what to do about excessive truck traffic on Main Street. Ms. Buddington noted that she had already checked with ConnDOT on this, and trucks cannot be prohibited because it is a state road. Mr. Paulhus said that they may look into other approaches – such as modifications to Main Street such that trucks will find it inconvenient to use.

UPDATES

Homeland Security / CERT: Ms. Buddington noted that future CERT training will require a month or two of lead time to arrange, as funding has to be obtained through an application to the Statewide Citizens Corps Council.

DIRECTORS REPORT

Ms. Buddington called attention to a few items in the director's report. Including the CEDS update. She also noted that the Windham Region towns had applied for (either separately or regionally) and received over \$230,000 from the Municipal Grant program for Elderly and Disabled Transportation. We left only about \$40,000 on the table because we could not come up with the additional local match. This was an excellent showing in comparison to the rest of the state. (For example, in contrast, the NECCOG and SECCOG regions combined left over \$500,000 unclaimed.)

AGENDA ITEMS for SEPTEMBER MEETING

Location: Windham Town Hall
Agenda Items: Continued discussion of executive director position.
David Fink – Affordable Housing

There being no further business, the meeting adjourned at 9:58

Mansfield YSB Advisory Board
Meeting Minutes
Tuesday, July 11, 2006
10 am @ YSB

In attendance were: Ethel Mantzaris, Chairperson/Resident; Janit Romayko, YSB Coordinator; Jerry Marchon, Officer Mansfield Police Department

Regrets: Chris Murphy, Rachel Leclerc, Candace Morrell, Tom Miller, Valerie Thompson, Michael Collins, Resident, Kevin Grunwald, Director, Department of Social Services Dept, Pat Michalak, YSB Counselor; Eileen Griffin, Altrusa Network; Shawnee Mason, Grade 8, Mansfield Middle School; Jake Hovanic, Grade 7, homeschooled; Brittany Cushman, Grade 7, Mansfield Middle School; Addie Johnson, Grade 7, Mansfield Middle School

Agenda items included:

1. Old Business:

- a. Ethel reminded YSB Coordinator that all members from previous meeting and current wish to be reappointed for 2006-7. There is also a student member, Addie Johnson, who wishes to be appointed.

2. Update (attached) Comments:

#1. Day Camp at Rectory School: Camperships will cost \$300 per week through the generosity of the Bishops' Fund of the Diocese/Episcopal Church. Campers started June 28 and will go to July 7th. New this year is the addition of lunch in the air conditioned dining room along with golf lessons, and horse back riding.

#2. DCF Liaison, John Zane, met with the MMS Thursday team and will meet in the fall with the team once a month. Several cases were discussed and John followed up on communication details.

#3. The Noah Farland Campership Fund at Goodwin School funded seven partial scholarships for Goodwin School students. The scholarships were used at the Town of Mansfield Camp at MMS.

#4. Juniper Hill Pizza Party had a summer theme as it was the last meeting prior to summer vacation. Everyone received sunglasses, sunscreen, and bingo prizes.

#5. YSB will be the recipient of the MEA/MMS "Dress Down Friday" collections in the honor of Lydia Myers and Judith McChefney. Both retired from the Mansfield Board of Education and designated the contributions to the YSB Special Needs Fund.

#6. The Special Education Grade 8 students had a pre-graduation party at the UConn Dairy bar. This was in anticipation of the real ceremony at Mansfield Middle School.

#7. The 33 AA Bus Drivers were given an Appreciation Breakfast co-hosted by the YSB and MMS. The drivers were given certificates of thanks for their safe driving and concern for students.

3. Thank you. Tom Miller wrote back to the YSB Advisory Board:

Dear Janit and members of the Youth Advisory Board,

I received in the mail today the kind declaration and the gift card from Frank and the members of the Youth Advisory Ep. 167 I want to thank you all for the opportunity to serve in the community in this small way. I have a deep dedication

and commitment to the youth of our world and you have allowed me to be a part of your special commitment, part of the special commitment you have so nicely made your focus in Mansfield, Connecticut. I do wish each and every one of you the continued success of the program and your dedication to the youth here.

Kindest regards,
Tom

4. Children's Grief Committee

YSB and MMS joined together to create a Children's Grief Committee. This was in response to several family deaths in the community. The committee has met three times and will meet again on July 25. The COVE of Connecticut will make a presentation to the group about affiliations, nuts and bolts, etc.

5. DVD: The YSB's of Mansfield, Ashford and Willington selected ten 7th and 8th grade (entering) students to work on a DVD. This is the 7th DVD project that has been funded by NECASA and/or ERASE and the 3rd summer project. The students will be making a DVD on non-prescription and prescription drugs, especially those available at home.
6. Underage Drinking: Jerry Marchon recently attended a conference on underage drinking. Students are now using myspace.com to post party locations. He also reported that most alcohol for home parties is not obtained from outside package stores but from parents. He finds this disturbing. He thought that the TIPS training was timely and should be done again soon.
7. Other: The SDE Grant stipulates that the YSB Advisory Board shall meet ten times yearly. It was decided to forego the August meeting and JR will send out the July and August Activities report in August. Therefore, the next meeting will be Tuesday, September 12, 2006 at noon at YSB. The Board would like to revisit Right Turn, DCF and Natchaug as it seemed that the offsite visits sparked discussion about other agencies and system responses. Perhaps Juvenile Court could also be revisited although we did not in 2006.

Meeting adjourned 11:30am

Respectfully submitted,

Janit Romayko
Secretary

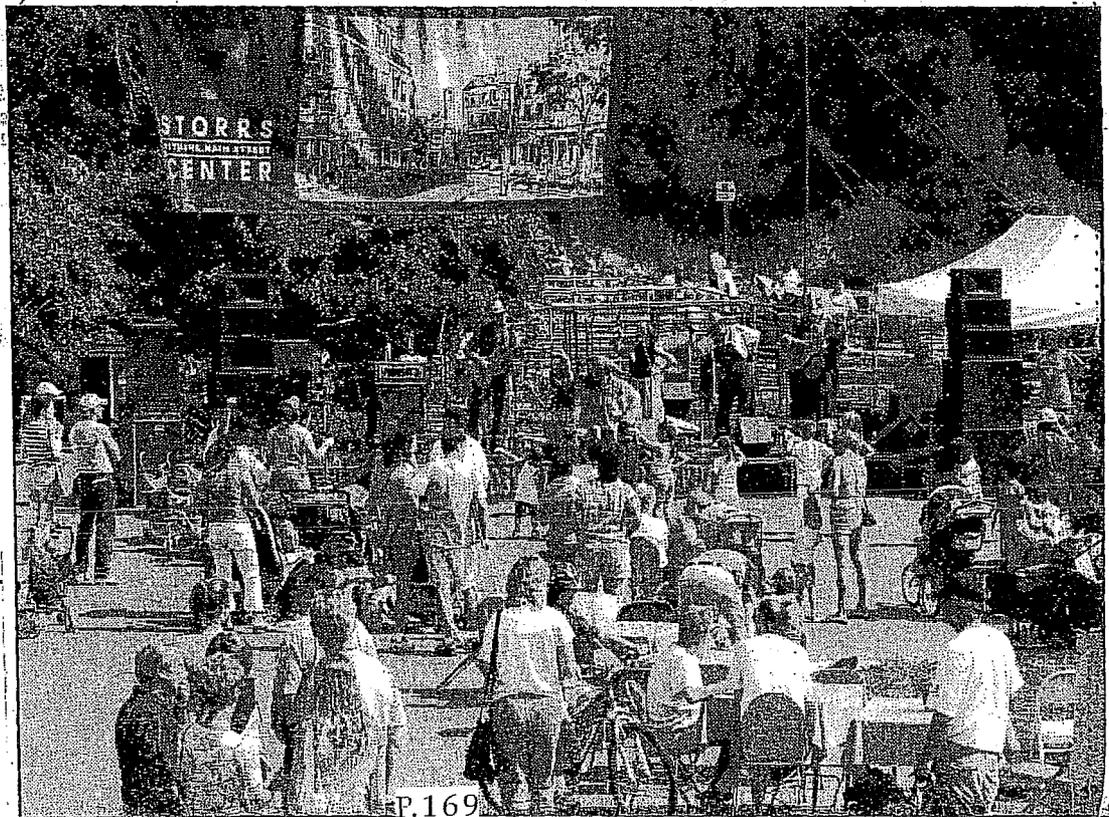
JR/klt



Fran Funk photos

A 'great weekend'

ABOVE: Jason Altieri, right, a member of the Kidsville Kuckoo Revue, leans down to take the hand of Brendan Raynor, 2, who stood watching as children and revue characters cavorted to music at the third annual Festival on the Green held behind the commercial plazas in Storrs on Sunday. Family oriented activities including games, music, a Joshua's Trust tour, a sidewalk drawing contest, and a bicycle parade for people of all ages. Crafts and cooking demonstrations were also held. In keeping with the 'green' theme, planners included 'Keeping it Green,' an effort to recycle all of the event's waste. **BELOW:** Mansfield Mayor Betsy Paterson said it was 'a great weekend,' as an estimated 2,000 to 3,000 people gathered for the Festival on the Green and the fireworks display at Mansfield Hollow State Park Saturday night.



**PAGE
BREAK**

Landlords call new regs unfair

By **KIMBERLY GRAVES**
Chronicle Staff Writer

MANSFIELD — Landlord Lenore Grunko expressed the same concerns at an informational meeting Tuesday night as many other landlords in town.

Grunko was concerned about an "arbitrary" zone targeted by the town's new housing inspection program. Landlords, most of whom refused to give their names during the public forum, said it would be fair to implement housing regulations for "all" or "nothing."

But they do not believe it's fair when it only affects the Storrs area where many University of Connecticut students live.

About a dozen landlords present at an informational meeting on the new housing programs, said they are being "punished" for renting apartments closer to UConn.

The landlords believe it's "discriminatory, unfair and arbitrary" to select a portion of the town to have to obtain a rental certificate to legally rent a dwelling unit. To

One landlord described the use of an overlay zone as 'arbitrary'

obtain a rental certificate, the apartments must meet specific standards and the landlord must pay a \$150 fee every two years.

Director of the Department of Building and Housing Inspection Michael Nintean said the "overlay

zone," where landlords must obtain rental certificates, includes around 890 rental units.

Grunko, who has rental units outside the overlay zone, said there were "huge problems with some large-scale housing projects" and now "everyone is affected by the poor management of the few."

The Town of Mansfield adopted the provisions of the 2003 International Property Maintenance Code to regulate and control the maintenance of residential rental dwelling units within the town.

Nintean said the goal of the new housing program is to enforce "public safety" and to "reverse the decay in some parts of the community."

During a two-year implementation schedule, Nintean said land-
(Landlords, Page 4)

Landlords call new regs unfair

(Continued from Page 1)

lords are given two weeks after receiving a notification letter to schedule an inspection. He said failure to do so can result in a \$100 fine per day.

Nintean said inspectors have already issued some certificates of compliance, however, he said other houses have had "minor" violations. He said the length of time to fix a violation depends on the "severity" of the violation.

Full-time housing inspector Derek Debus said most of the violations he's found within the last month have been large holes in walls, drips in faucets, leaks in plumbing and lack of smoke detectors.

Tenants must grant right of entry

into their unit, otherwise, the tenant will be subject to a criminal penalty by the state housing prosecutor.

While some landlords said they were not "condemning" the program, they believe the code has so many standards that their rental units will be in "better condition" than their own houses.

Nintean said the housing office may also be contacted if anyone wishes to file a complaint for violations to the housing code anywhere in town.

He said a housing inspector will inspect the house to determine if the complaint is valid and, if needed, a violation will be issued.

Landlords were also upset that they must pay \$25 to file a residential address with the housing

inspection department.

The landlord registration ordinance applies to both occupied and vacant rental housing units in the town of Mansfield — not just the overlay zone.

The town will begin accepting applications Friday. There is a filing fee of \$25 for initial registration and \$10 for a change of address.

Residential rental housing property owners must comply with initial registration requirements by Jan. 1, 2007, otherwise, they face a \$250 penalty for the first violation and \$1,000 for any subsequent violation.

The department of building and housing inspection can be reached at 487-4440.

PAGE
BREAK



Students and Mansfield residents took part in various activities at the Festival on the Green this Saturday at Storrs Common

Festival On Green Celebrates Mansfield

David Rose

Posted: 9/18/06

On a campus where 20,000 people are crammed into just a few square miles, it's easy to forget that Storrs is actually a small, rural town.

To rectify this, the town of Mansfield put on the Festival on the Green this weekend. The event both promoted the local businesses and farmers of the town and gave a chance to share a sense of community spirit.

The fair was put on by the Mansfield Downtown Partnership and also served to show off the spectacular new plans for downtown Storrs.

Indeed, the festival proved that Mansfield is in desperate need of a town center. The activities were crammed into the parking lots behind Storrs Commons and the Marketplace.

However, what the event was lacking in space and location was more than exceeded by the enthusiasm of the organizers and participants.

It will be impressive, in a few years' time and with the new venue, to see what they can do. Having said that, this year's event had a certain quaint charm, with the town making do with what it had and creating something lovely.

Perhaps the most charming touch was the "Town Green" situated behind Storrs Common and made by laying strips of turf over the pavement. There, surrounded by exhaust vents and black top, an animated game of bocce ball was being played. Around the grass, a sidewalk-decorating contest was being held.

Another "green" was set up between the two buildings where a stage was erected and a varied set list of bands entertained the crowd.

First up was the Kidsville Kuckoo Review, a children's entertainment group that entertained a small crowd with old classics in the hot sun. Kudos especially to the elderly gentleman dressed up as a giant purple dinosaur who bounced across the stage singing, despite the surprisingly warm weather.

"It's amazing, I think the entertainment is spectacular," said Melissa Parade, a 3rd-semester philosophy major, as the purple dinosaur ran across stage screaming, "Quack! Quack! Quack!" More traditional music followed.

Before a short parade, primarily composed of small children on bicycles, members of the UConn Marching Band played a couple of numbers, including a rousing rendition of the UConn Fight Song and oddly enough, Michael Jackson's "Thriller." But why not?

At the end of the parade they led the crowd with an impassioned "Star Spangled Banner." Much of the event was geared for the younger members of the community who seemed to be enjoying themselves, especially at the events around the main stage and at the small petting zoo. Alas, the ponies at the pony ride were a bit too small for college students.

"It is really sweet to see an all-age community out on a great day," said Hilary Eurich, a 7th-semester English major. In regard to the several local businesses that had set up shop in booths around the grounds, Eurich said, "Excellent Indian food, (about Wings Express' stand) [and] the Campus Florist stand was also really pretty."

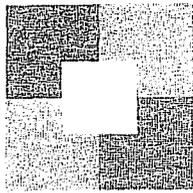
The Campus Florist also led a more adult-oriented activity later in the afternoon, with floral arranging demonstrations.

The Festival stretched into the late afternoon, with more bands, "The Little Big Band" and the popular "Mohegan Sun All-Stars," the headliners and house band at the Mohegan Sun casino, playing for the afternoon's grown-up crowd. They put on a good show, but the real stars of the day were the event's organizers, the Mansfield Downtown Partnership, who took a run-down parking lot around the back of some businesses and turned it into a vibrant, rural town green for all to enjoy.

Looking at the display of the new plans for Storrs Center, on prominent display, the UConn population can look forward to much more interaction with the Mansfield town residents.

The Downtown Partnership is planning many great things, not least of all creating a focus point in the community atmosphere that is already strong.

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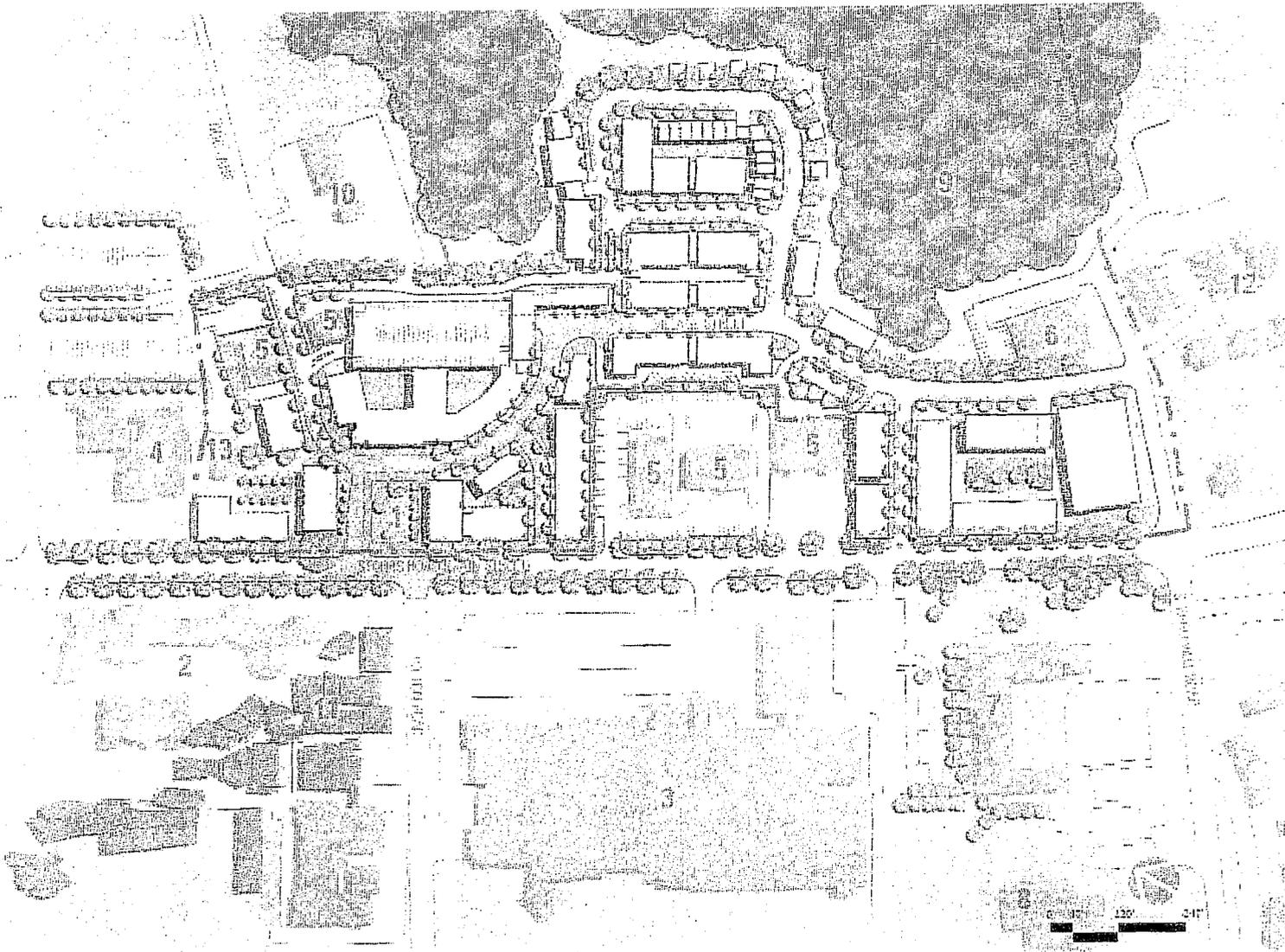


STORRS
 RETHINK MAIN STREET
CENTER

Concept Plan and Timeline

Item #11

P.175



LEGEND

- 1 - TOWN SQUARE
- 2 - UNIVERSITY OF CONNECTICUT
- 3 - E.O. SMITH HIGH SCHOOL
- 4 - RUCKLEY HALL
- 5 - EXISTING COMMERCIAL BUILDINGS
- 6 - POST OFFICE
- 7 - TOWN HALL
- 8 - COMMUNITY CENTER
- 9 - PROTECTED WETLANDS
- 10 - GREEK ORTHODOX CHURCH
- 11 - PROPOSED SCHOOL OF FINE ARTS
- 12 - COURTYARD CONDOMINIUMS
- 13 - DAILY CAMPUS BUILDING

THIS PLAN REPRESENTS A CONCEPTUAL DESIGN FOR THE STORRS CENTER. ALL DIMENSIONS, DIMENSIONS AND BUILDING SHAPES AND LOCATIONS ARE PRELIMINARY AND SUBJECT TO CHANGE. THE CONCEPTUAL PLAN IS PROVIDED IN ORDER TO DESCRIBE THE INTENDED MAJORITY AND CHARACTER OF THE PROJECT.



1995

- University-Town Relations Committee's Storrs Green Task Force completes study on viability of a town green. Recommendation made that an organization be formed to implement Storrs Green project with green space and commercial development.

1999

- Mansfield Town Council retains national planning firm of HyettPalma to develop an enhancement strategy for the revitalization of Mansfield's commercial areas. They recommend focusing on the Storrs Center area and putting in place a "partnership" made up of University of Connecticut, Town of Mansfield, and community members.

2000

- An organizing committee of Town, University, and local businesses is formed to develop the structure to carry out the HyettPalma recommendations.

2001

- Mansfield Downtown Partnership is created to implement the recommendations in the HyettPalma report.

P. 172

- Allone & MacBroom complete the first concept plan for the project which includes three main elements: mixed-use development, a town green or square, and market rate housing.

- The Town of Mansfield authorizes the Partnership to serve as the municipal development agency for the town for development of the Storrs Center project. A municipal development plan is to be prepared which will include information on financing, zoning, conceptual plan, market study, and relocation plan for the project.

- Town receives \$35,000 federal United States Department of Agriculture-Rural Business Enterprise Grant (USDA-RBEG) for planning of Storrs Center.

- Town receives \$500,000 state Small Town Economic Assistance Program (STEAP) Grant to be used for planning.

2003

- Looney Ricks Kiss is hired by the Partnership to work on the municipal development plan and serve as its planning consultant.

- Town receives \$90,000 USDA-RBEG for planning of Storrs Center.

2004

- LeylandAlliance is identified as the master developer for the Storrs Center project.

- Town receives \$50,000 USDA-RBEG for planning of Storrs Center.

- Town receives \$500,000 STEAP grant for the town square (reallocated in 2006 for infrastructure improvements related to Dog Lane building).

2005

- The municipal development plan for Storrs Center is completed and approved unanimously by the Partnership Board of Directors, the Windham Region Council of Governments Regional Planning Commission, Mansfield Planning and Zoning Commission, Mansfield Town Council, and UConn Board of Trustees.

- Senator Joseph Lieberman includes \$2.5 million in the six-year federal transportation bill for improvements to Storrs Road.

2006

- The CT Department of Economic and Community Development approves the Storrs Center municipal development plan.

- The Mansfield Planning and Zoning Commission approves the first building for the project to be located on Dog Lane and designed to accommodate many of the businesses that will be relocated in the Storrs commercial area.

Goals for 2007

- Approval of Special Design District by Mansfield Planning and Zoning Commission.

- Approval of permits (local, state, and federal) for project.

- Approval of site plan for first phase of the project.

- Break ground on first phase of the project.

For more information, please contact:



Mansfield Downtown Partnership
Cynthia van Zelm
(860) 429-2740 mdp@mansfieldct.org
1244 Storrs Road, PO Box 513
Mansfield, CT 06268
www.mansfieldct.org



Leyland Alliance
Monica Quigley
(845) 351-2900 info@storrscenter.com
16 Sterling Lake Road
Tuxedo, NY 10987
www.leylandalliance.com

SUMMARY		
<i>Total Acres of Land with Buildings/Facilities:</i>		161.40
<i>Total Acres of Land with Individual Management Plans:</i>		1300.37
<i>Total Acres of Land with Grouped Management Plans:</i>		225.85
<i>Total Acres in Easements:</i>		326.14
<i>Total Acres of Town Owned Land and Easements</i>		2013.76
	<i>Pending</i>	
<i>Total acres of pending land in Grouped Management Plans</i>		92.85
<i>Total Pending Land in Easements</i>		15.93
<i>Total Pending</i>		108.78
Overall Notes:		
1. Excludes roads owned by the Town		
2. Does not include two parcels owned by the Mansfield Housing Authority		
3. Through a lease arrangement, the Town manages active recreational uses at the 55-acre Lions Club property west of Wormwood Hill Rd.		
4. Through a lease arrangement, the Town manages a 44-acre open space parcel along Nelson's Brook between Birch Road and Middle Turnpike.		
5. Through a lease arrangement, the Town maintains limited public access rights from Depot Road to the Willimantic River.		
6. Through an easement arrangement with J. James, the Town maintains an open space and recreation easement on approximately 4.5 acres of land adjacent to Schoolhouse Brook Park (between Clover Mill Road and Browns Road)		
7. There is a trail agreement with John Troyer for a trail on his property connecting to the Southern portion of Dunhamtown Forest.		
8. Through a conservation easement with the Prignano family a portion of Nipmuck trail along Sawmill Brook is permanently preserved.		

Land with Buildings/Facilities		
Name	Location	Acreage
Audrey P. Beck Building	So. Eagleville Rd	5.40
Buchanan Center(Library)	Warrenville Rd. (Rt.89)	4.10
Discovery Depot (Childcare center)	Depot Rd.	15.60
Eagleville Fire Dept.	Storrs Rd.(Rt. 195	1.00
Goodwin School	Hunting Lodge Rd.	11.80
Gurley (Pink Ravine) Cemetery	Bonemill Rd	1.80
Middle School	Spring Hill Rd.	25.00
New Mansfield Center Cemetery	Cemetery Rd	4.40
Old Eagleville Schoolhouse	Stafford Rd (Rt 32/S. Eagleville Rd.(Rt. 275)	1.70
Old Mansfield Center Cemetery	Storrs Rd. at Cemetery Rd	1.50
Old Town Hall (Historical Society)	Storrs Rd.(Rt, 195	0.70
Reynolds School (storage use)	Depot Rd.	1.00
Senior Center	Maple Rd.	1.90
Southeast School	Warrenville Rd. (Rt.89)	16.10
Town Garage/Dog Pound	Clover Mill Rd.	20.00
Transfer Station	Warrenville Rd. (Rt.89)	26.70
Vinton School	Stafford Rd (Rt 32)	22.70
Total Acres of Land with Buildings/Facilities:		161.40

Parks and Other Land with Site-Specific Management Plans		
Name	Location	Acreage
Baxter Farm	E. side of Baxter Rd.	25.80
Old Spring Hill Field (former Bodwell Farm)	Spring Hill Rd. (N. of Mansfield Middle School)	6.50
Bicentennial Pond/Schoolhouse Brook Pond	N. Side of Clover Mill Rd.	170.00*
Crane Hill Field	950' of frontage along Crane Hill Road	12.23
Common Fields/Col. E Storrs Field	Bassetts Br/Cemetery/Storrs Rd	19.00
Coney Rock Preserve	Mulberry Road includes a 9-acre open space dedication from Horseshoe Hts subdiv. Does not include Mullane Property (17-acres- Proposal Rock) or Chapin Property (134-acres). Managed together with Joshua's Trust as one property.	68.25
Dunhamtown Forest	S. of Dunham Pond Rd./, Fieldstone Drive, former Dunnack Property, former Sibley Property, and Maxfelix Drive	226.13
Eagleville Preserve	Stafford Rd./ E. of Willimantic River	23.00
Fifty Foot	East/ Storrs Roads	102.00
Wolf Rock Access (Ferguson Property)	Crane Hill Road	1.19
Harakaly Property	Warrenville Rd. (South of Mt Hope Rd)	0.80
Little Lane Property	Little Lane	1.90
McGregor Property	Stonemill Rd./ E of Fenton River	2.20
Merrow Meadow	Merrow Road	16.00
Mt. Hope Park	Warrenville Rd.	35.33
Porter Meadow	Storrs. Rd. opposite Puddin Lane	6.80
Schoolhouse Brook Park	So. Side of Clover Mill Rd (Includes Barrows, Hall, Swanson Larkin Property, Morneau)	329.37
Shelter Falls Park	Birch/ Hunting Lodge Roads	75.10
Spring Hill Field	Spring Hill Road	16.00*
Sunny Acres park	Meadowbrook Lane	6.50

Town Owned Land and Conservation Easements As of August 1, 2006

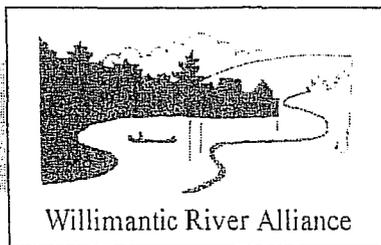
Thornbrush Road Property	Thornbrush Road (Off Old Kent Rd)	0.90
Torrey Property	S. side of Gurleyville Rd. W of Fenton River	28.80
Saw Mill Brook Preserve	South of Crane Hill Rd along Sawmill Brook Includes Fesik property and Landlock parcel purchased from the Vernon Family).	78.50
White Cedar Swamp	Mansfield City/ White Oak Roads (includes Wild Rose Estates Phase I open space dedication).	38.07
River Park (Plains Rd)	Land Swap with UConn for Middle Turnpike Property	10.00
Total Acres of Land with Individual Management Plans:		1300.37
Note: * = portions of one 231-acre parcel		

Open Space Land with Grouped Management Plans	
Name	Acreage
Baxter Rd (Baxter Estates) Includes ROW between Baxter Road and Town of Willington	24.60
Birchwood Heights Rd.	1.40
Bone Mill Rd (Bonemill Estates)	2.89
Boulder Lane	6.30
Candide Lane (N. of Stearns Rd. includes segment of Cider Mill Brook)	3.61
Cedar Swamp Rd (Toll Rd Subdivision)	7.55
Chatham Drive (3 parcels)	8.30
Cheney Drive	1.10
Costello Circle	0.90
Coventry Rd.	1.20
Coventry Rd. (Smith Farms Subdivision)	32.70
Crane Hill Rd.	1.20
Davis Rd.	1.50
Deerfield Lane	17.00
Elizabeth Rd.	4.00
Ellise Road	1.80
Farmstead Road	2.10
Fellen Road	0.90
Gurleyville Road (east of Bundy Lane)	1.20
Highland Road (corner of Stearns Rd.)	21.90
Hillcrest Drive	0.20
Hillyndale Road	2.10
Holly Drive	1.60
Homestead Drive (2 parcels)	5.70
Jacobs Hill Road	2.70
Kaya Lane	9.40
Lorraine Drive	2.10
North Eagleville Road(two groups of parcels at Meadowood Road)	3.70
North Eagleville Road/ Hillyndale Rd.	3.30
Philip Drive	5.90
Monticello Lane	1.40
Quail Run Road (Vinton Woods subdivision)	6.45
Russet Lane	0.90
Sawmill Brook Lane	13.80
Scottron and Sheffield/Fern Road (Chatham II)	11.42
Stafford Road (North of Coventry Road)	9.90
Stafford Road (South of Cider Mill Road)	6.00
Stearns Road (No. side East of Vinton School)	2.30
Stearns Road (So. Side between Stafford and Woodmont Roads)	6.20
Warrenville Rd. (South of Mt Hope Rd)-Stephen Estates	0.80
Storrs Road (So. Of Cedar Swamp Road)	4.00
Thomas Drive	5.50
Westgate Lane	0.90
Woodmont Drive	1.70
Total Acres of Land with Grouped Management Plans:	225.52

Open Space Land with Grouped Management Plans (Cont.)		
Approved subdivisions with pending land to be deeded to the Town		
Bedlam Road (Aurora Estates)		4.56
Mansfield City Rd/Beacon Estates Dr (Smith Farms 2)		51.07
Mansfield City Rd/Jonathan Rd (Wild Rose2)		19.23
Monticello Lane (Fellows Estates)		17.14
Meadowbrook Ln opposite Pollack Rd (Pine Grove Subdivision)		0.85
<i>Total acres of pending land in Grouped Management Plans</i>		92.85

Conservation Easements	
Land Protected with Written Agreements with the Town	
Name	Acreage
Adeline Pl. (Pine Grove subdivision)	1.50
Bassetts Bridge Rd. (Hawthorne Park Subdivision)	1.47
Bedlam Rd (Aurora Estates)	2.24
Birch Road/Hunting Lodge Rd.(Highbrook subdivision)	3.80
Brookside Lane (Deer Ridge subdivision)	3.00
Brookside Lane (Deer Ridge subdivision)	3.00
Browns Rd. (Southern portion of Schoolhouse Brook Park)	4.50
Browns Rd, (Well House Subdivision)	1.58
Browns Road (Kidderbrook Estates) 3 lots	9.84
Browns Rd and Crane Hill Rd (Sawmill Valley Estates)	21.02
Candide Lane (Ouimette/ Pichey Parcels)	1.00
Candide Lane/Stearns Road (Pond View Estates)	0.73
Candide Lane (Candide Lane Subdivision-Larry Ross)	0.71
Chatham Dr. (2 parcels)	1.60
Chatham II (in 4 parcels)	0.36
Conantville Rd. (Ledgebrook)	3.00
Coventry Rd. (Smith Farms Subdivision)	32.30
Crane Hill Road (Dressler & Weitz Subdivision)	2.75
Crane Hill Road (Palmer Property (DevelopmentRights))	14.00
Davis Rd. (Gifford Estates subdivision)	15.00
Dunnock (Dunnock Acres)	5.52
East Rd/Windswept Ln (Windswept Manor subdivision)	6.30
Fieldstone Drive (Maplewoods subdivision)	13.80
Highland Rd./Stoneridge Lane(Laurel Ridge subdivision)	7.00
Hillyndale Rd. (Lynwood subdivision)	1.90
Homestead Dr. (Homestead Acres subdivision)	2.00
Hunting Lodge Rd (#97) (UConn Foundation)	4.00
Lorraine Dr.(Woodland Estates subdivision)	5.00
Maple Rd/MaxFelix Dr. (Maplewoods Sect. 2 subdivision)	18.93
Maple Road (Mapleview Farms subdivision)	11.50
Maple Road (Nursing and Rehab Center)	3.00
Middle Turnpike (Favretti property)	7.70
Monticello Lane (Fellows Estates)	3.46
Moulton Rd. (Raynor Subdivision)	1.18
Mulberry Road (Partridge Way subdivision section 2)	4.75
Mulberry Road (Partridge Way subdivision)	4.30
Nipmuck Rd. (Fenton Valley subdivision)	0.50
South Bedlam Rd. (Buhrman Estates Subdivision, Sections 1,2 and 3)	16.70
South Eagleville Rd. (Crossing at Eagle Brook subdivision)	11.80
South Eagleville Rd. (Mansfield Cooperatives project)	15.70
Spring Hill Rd. (resubdivision of Gifford Estates, lot 27)	2.90
Stearns Rd./Candide Ln (Pondview subdivision)	0.73
Storrs Rd. (Cantor Grous Subidivision)	6.40
Storrs Heights Rd. (Janes property)	1.70

Conservation Easements		
Land Protected with Written Agreements with the Town (Cont.)		
Storrs Rd. (Norling property)		7.00
Warrenville Rd.(Roaring Brook subdivision)		3.20
Warrenville Rd.(Stephen Estates) 2 parcels		12.50
White Oak Rd. (Cider Farms II subdivision)		6.00
Wildwood Rd.(Nichols/Hepple property)		0.50
Woodland Rd. (Best Subdivision)		5.20
Wormwood Hill Rd. (Abbe Estates subdivision)		0.30
Wormwood Hill Rd. (Abbe Estates subdivision)		2.49
Wormwood Hill Rd. (Little Divide subdivision)		4.00
Wormwood Hill Road (MacFarland Acres)		4.78
Total Acres in Easements:		326.14
Approved Subdivisions with Pending Conservation Easements		
Hunting Lodge Rd. (Semarakis)		0.87
Hanks Hill Rd (Hanks Hill Estates)		3.75
Mt Hope Road (Mt Hope Rd)		3.14
Wormwood Hill Rd (Mulwood East)		8.17
Total Pending Land in Easements		15.93



Willimantic River Alliance

Willimantic River Review

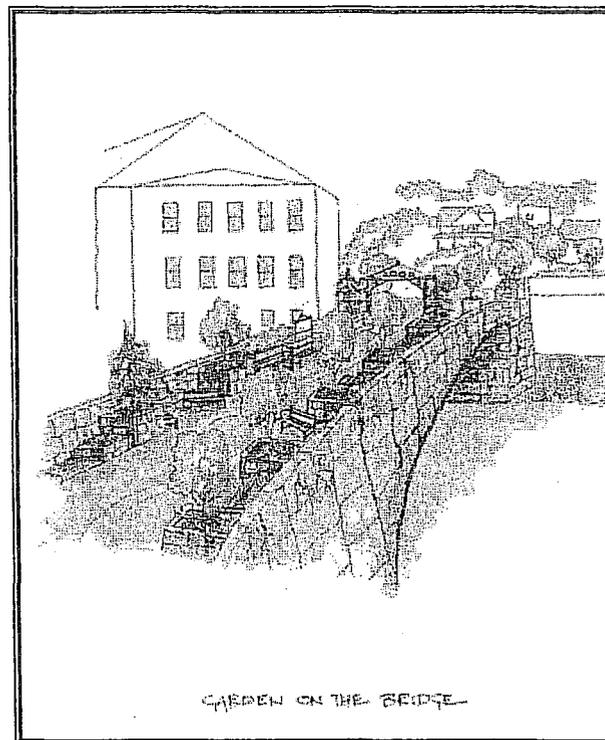
Fall 2006

WRA Celebrates!

The Alliance is celebrating its Tenth Anniversary on Friday, September 15 from 5 to 7 p.m. at the Windham Textile and History Museum in Willimantic. Festivities will begin with a tour of the new "Garden on the Bridge." Then the celebration will move across Main Street to the museum for refreshments and an exhibit of paintings of the Windham Mills by Wyeth, Weir and Wandell. At 6:00 a brief ceremony will be followed by comments about the future prospects for Connecticut's rivers by Margaret Miner, Executive Director of the Rivers Alliance of Ct. If you plan to attend, RSVP to info@willimanticriver.org or 455-0532. We look forward to seeing you there!

Garden on the Bridge Blooms

The long-awaited "Garden on the Bridge" in Willimantic will be completed this fall, and a dedication ceremony is planned for October 22 at 3 p.m. This new Windham town park will offer a pleasant spot to enjoy the Willimantic River on a double-arched stone bridge located off Main Street between Windham Mills State Heritage Park and the mill building renovated by ArtSpace. Formerly known as the Jillson Hill bridge, it carried horses and wagons, cars and trucks across the river for almost 150 years until traffic was moved to the new "Frog Bridge" in 2001. Once the town took over ownership of the old stone bridge from the state, a plan for the garden moved forward quickly. The layout was designed by Ruth Cutler and Kim Kelly from UConn's Cooperative Extension System and Master Gardener program. Master Gardeners have helped install the plants, along with the Garden Club of Windham, which will maintain the garden. Among trees, shrubs and flowers, visitors will be able to enjoy views of the river, with a steep wooded bank on one side and nineteenth-century granite mill buildings on the opposite shore. The American Thread Company closed these mills in the 1980's, and the classic buildings are gradually being renovated for commercial and residential use.



Courtesy of Garden Club of Windham

The Greenway Grows

Thanks to volunteers from the towns along the river, there are now Willimantic River Greenway signs at entrances to parks, trails and canoe launches on the river. The Stafford Conservation Commission has laid out and cleared the Highland Trail. This one-and-a-half-mile loop trail leads to the top of the high ridge on the west side of the Willimantic River valley. Park in the lot across from the Witt Middle School in Hyde Park in Stafford Springs and walk up the hill to the trail entrance off the shared driveway between 72 and 78 Highland Terrace. For access to the trail, follow a grass "trail" along side the larger trees behind 78 to the woods. A gravel road leads to the right and uphill through pastures returning to forest. The blue-blazed trail turns left at the top, crosses a large stone wall, then turns right to follow the edge of the

ridge with scenic lookouts over the river valley. The trail turns right and right again to loop back to the gravel road. This trail is part of the Willimantic River Greenway, and eventually it will be extended south into Ellington. Stafford's "Autumn in the Park" Arts Festival on Oct. 7 may include a hike of the trail (www.staffordct.org).

Riverwatch

☞ The Ct. Department of Environmental Protection (DEP) has issued a draft of its **2006 Ct. Impaired Waters List**. The rivers, streams, and ponds/lakes on this list do not meet official water quality standards and may be required to have additional pollution controls or management actions to meet these standards. The Willimantic River is no longer on this list, but several tributaries are included.

Items with a high priority for DEP action:

In **Tolland**, Crandall Pond on Paulk Brook is impaired for the designated use of recreation, caused by the presence of indicator bacteria from an unknown source.

In **Mansfield**, Eagleville Brook flows from UConn's Storrs campus to Eagleville Lake in the Willimantic River just above the dam. This stream now lacks appropriate habitat for fish and other aquatic life. Possible causes include construction activity, stormwater runoff, and streambank modifications and erosion. DEP is drafting a Total Maximum Daily Load (TMDL) analysis to address water quality impairments in two segments of this brook.

Items currently being addressed:

In **Willington**, at the Travel Centers of America service station on I-84, a previous diesel fuel spill entered the Ruby Lake outlet stream, which discharges into Roaring Brook. Since 2003, a DEP consent order has guided improvements to the stormwater drainage system to prevent further contamination and to restore aquatic life to the stream. In **Mansfield**, two tributaries to Cedar Swamp Brook were first listed in 1998 because of contamination leaching from the former UConn landfill. (This brook flows into Eagleville Lake.)

Following a remediation action agreement with DEP, the University will cap the landfill, direct the remaining leachate to the wastewater treatment plant, remove "hot spots" of contamination from surrounding areas by the summer of 2007, and monitor the remediated site for many years.

Other items:

☞ In **Stafford**, a section of lowermost Furnace Brook, which includes the concrete channel in Stafford Springs, is impaired for the designated use of recreation due to an unknown source of E. coli bacteria. Following a public comment period in August, a final draft of the 2006 list will be submitted to the U.S. Environmental Protection Agency this fall for approval. Then DEP can address the high priority items.

☞ The University of Ct. has applied to DEP to renew its "wastewater discharge to surface waters" permit associated with its operation of the UConn wastewater treatment plant, which discharges into the Willimantic River just below Eagleville dam. The Alliance requested an extension of the chlorination/dechlorination season for the benefit of recreation (fishermen and boaters) in this river segment. This extension will be included in the new permit, so that chlorination/dechlorination treatment will be in effect from April 1 to October 30, beginning in 2007.

☞ In the past year, the Alliance has expressed concern about the potential for UConn's wells to draw too much water from an aquifer associated with the Willimantic River and thus negatively impact aquatic life and recreational uses of the river. A low-flow study of seasonal river levels at the wells is important to determine a minimum river flow and maximum allowable withdrawal by these wells. Recently some progress was made toward this study. The in-stream flow gauging station by UConn's Willimantic River wellfield at Spring Manor Farm has been upgraded. Now real-time data is available for river flow rates and for water levels at the USGS website <http://waterdata.usgs.gov/ct/nwis/uv?01119384>. This data is essential for the low-flow study and for future monitoring of water levels in the river.

Calendar

Friday, September 15

Tenth Anniversary Celebration. (See page 1 for details.)

Saturday, October 14

Willington Awards and Walk at 10 a.m. Willington's Conservation Commission will present to the Alliance and the Naubesatuck Watershed Council the "Raymond K. Daley Environmental Action Award" for establishing Greenways along the Willimantic and Fenton Rivers. A walk in Fenton-Ruby Park along the Fenton River will follow. The park is off Moose Meadow Road in Willington.

Sunday, October 15

Willimantic River Ramble in Coventry/Mansfield. Adults and children over 8 can enjoy scenic views of the Willimantic River, historic Mansfield Depot, and Spring Manor Farm along the Midriver Greenway Trail. This is a moderate 3-mile, 2-3-hour, walk from River Park in Mansfield to Riverview Trail Park in Coventry. Meet at River Park in Mansfield at 1:00 p.m. Directions: From Rte. 44 in Mansfield, take Rte. 32 south 0.3 mi.; turn right on Plains Rd. for 0.2 mi. River Park is on the right. This Walking Weekends event is sponsored by Willimantic River Alliance, Mansfield Parks Advisory Comm., and Coventry Rec. Dept. Visit www.thelastgreenvalley.org for information on over 80 other Walking Weekends events offered on October 6-9 and 14-15 in northeast Connecticut.

Tour of UConn's Wastewater Treatment Plant

Visit a state-of-the-art treatment plant and find out how various potential pollutants are removed from UConn's wastewater before it enters the Willimantic River below Eagleville dam. Tour will be in October or November. Contact the Alliance at info@willimanticriver.org or 455-0532 for the date and to reserve a space.

Willi River Ramble

We took a spring walk with Deborah Nye Corgan at Nye-Holman State Forest. Deborah is a seventh-generation descendent of Ebenezer Nye. He traveled to Tolland from Sandwich, Massachusetts, by 1718, and was granted land along the river to establish a homestead. Deborah began researching the homestead's history and landmarks several years ago, and she shared some of her discoveries on a walk through the family's former riverside farm in Tolland.

We parked at the Nye-Holman State Forest entrance next to the Rt. 74 bridge. The Nye family had a toll bridge at this spot, where the road from Tolland Green approaches the river through a gap in the high ridge to the west. "Nye's Bridge" probably was a good source of cash, because West

Willington village was established across the river around 1727, and the road (now Rt. 74) was extended through Willington to Ashford later in the 1700's.

As we walked along the Forest's loop road, we noted the appeal of this site for an early settler: level land along the river for crops, and hillside forests for pasture and timber. The river provided water and fish. By the 1750's the Nyes had a large farm on both sides of the river. This land was farmed by Ebenezer and six generations of his descendants. His great, great, great granddaughter, Alice Holman Hall, inherited the oldest part of the farm. In 1931, she gave this land to the state (186 acres on the Tolland side). The fields were planted with evergreens by the CCC (Civilian Conservation Corps) in the 1930's to create a demonstration forest, which is now 70 years old.

When we reached the point where the Forest road curved left, we ventured onto an informal trail along the river under tall pines. Wildflowers and ferns bordered the path, which is used by fishermen who enjoy year-round fly-fishing here. This stretch of the river is part of a state Trout Management Area (TMA) for catch-and-release fishing. (For a map of the TMA trails and fishing spots, visit the Ct. Fly Fisherman's Association's website www.ctflyfish.org.) We could have followed this scenic trail for a half-mile up the river, but we decided to return to the Forest road and follow its loop back to Rt. 74. On the right, Pero Road (a private road) extended past fields to an older house that may have been one of the Nye family homes. This road once was part of North River Road, which continues on the other side of I-84 to more former home sites of Nye relatives. Many questions remain about the Nye farm, so Deborah plans to continue her research into the generations that lived there for over 200 years.

Nye-Holman State Forest is open throughout the year for a ramble along the Forest loop road and trails. No hunting is allowed in this part of the Forest. Thanks to Deborah and to Marilyn Aarestad, Forest Supervisor, for their help with this Ramble. For other Rambles, visit the Recreation page at www.willimanticriver.org.

Contributors: Vicky Wetherell, Meg Reich, Eric Thomas

Design and Layout: Ella Ingraham

Inquiries or items for the Spring 2007 Edition can be submitted to:

WRA, Inc. P.O. Box 9193, Bolton, CT 06043-9193
or to info@willimanticriver.org.

Previous newsletters can be viewed at the Alliance website www.willimanticriver.org

Willimantic River Alliance

C/O WINCOG
 968 Main Street
 Willimantic CT 06226

Founded in 1996, the Alliance has a mission "to protect and preserve the Willimantic River through cooperative and educational activities that promote regional awareness, stewardship, and enjoyment of the river and its watershed." As a coalition of citizens, officials and local agencies, the Alliance sponsors events such as regional forums and outings and publications, including a website and biannual newsletter.

Willimantic River Alliance, Inc. is a nonprofit 501 (c) (3) tax-exempt corporation. The Alliance promotes development of the Willimantic River Greenway, an official state greenway along the river's 25 miles from Stafford Springs to Willimantic. This regional project aims to connect recreational, historical and natural resource features along the river. These connections are being created by the nine riverside towns through natural resource preservation and recreation projects, such as linking trails and improving access to the river.

The river's watershed includes seventeen towns: (in Ct.) Andover, Ashford, Bolton, Columbia, Coventry, Ellington, Hebron, Lebanon, Mansfield, Stafford, Union, Tolland, Vernon, Willington, Windham, and (in Mass.) Monson, Wales.

Fall 2006

Willimantic River Alliance -- Membership Form	
Name _____	
Address _____	
Town _____ State _____	Zip _____
E-Mail _____	Phone _____
<input type="checkbox"/> Contact me about volunteer opportunities for the WRA	
Mail completed form and check to: WRA at P.O. Box 9193, Bolton CT 06043-9193	
Memberships	Annual Dues
Senior/Student	\$ 5.00
Individual	\$10.00
Family	\$15.00
River Steward	\$ 50.00
Patron	\$ 250.00
	(Lifetime Member)

Thank you for joining the Alliance! Your membership dues are tax deductible.

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 Town Planner

 Susan Sealeville Rd Apt 4
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 Willimantic River Alliance

Windham Region Council of Governments

2004-2005

Median Home Sales Prices compared to Median Income

	2004 Median Home Sales Price	2005 Median Homes Sales Price	Sales Price Percent change		2004 Median Income	2005 Median Income	Income Percent change
Ashford	144,750	182,000	25.7%		58,782	59,947	2.0%
Chaplin	165,890	215,000	29.6%		55,797	56,990	2.1%
Columbia	200,000	262,250	31.1%		76,263	78,433	2.8%
Coventry	180,000	195,500	8.6%		69,840	71,764	2.8%
Hampton	168,000	184,750	10.0%		60,277	61,803	2.5%
Lebanon	142,500	229,950	61.4%		66,200	68,010	2.7%
Mansfield	199,000	234,000	17.6%		53,018	53,669	1.2%
Scotland	155,000	206,000	32.9%		61,970	63,339	2.2%
Windham	133,600	162,750	21.8%		37,231	38,138	2.4%
Region	165,416	208,022	25.8%		59,931	61,344	2.4%
Outside Region:							
Franklin	204,900	230,000	12.2%		65,917	68,182	3.4%
Hebron	247,000	264,000	6.9%		81,380	84,219	3.5%
Norwich	169,500	199,000	17.4%		42,075	42,656	1.4%

Source: Median household income data for 2004 and 2005 as well as median home sales data for 2004 was provided by the Connecticut Economic Resource Center (www.cerc.org). Median home sales data for 2005 was collected from the Commercial Record. Both median income levels and median sales prices are based on data averaged over the course of a calendar year.

Excerpted from a 2006 study prepared by HOMEConnecticut, an initiative of the Partnership for Strong Communities.

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