

INFRASTRUCTURE COMMITTEE MEETING

A G E N D A

MONDAY, JULY 27, 2009

6:00 P.M.

HAMPDEN TOWN OFFICE

1. Minutes of June 22, 2009 Meeting
2. Old Business
 - a. Composting Update
3. New Business
 - a. Sewer Hook Up – Hampden Water District
 - b. Roadside Memorial – Western Avenue
 - c. Hillside Drive/Route 1A Drainage
 - d. Salt Bid
 - e. Road Opening Permits
 - f. Driveway & Driveway Culvert Maintenance
4. Public Comments
5. Committee Member Comments

INFRASTRUCTURE COMMITTEE MEETING

A G E N D A

MONDAY, JULY 27, 2009

6:00 P.M.

HAMPDEN TOWN OFFICE

1. Minutes of June 22, 2009 Meeting
2. Old Business
 - a. Composting Update – *I have included some additional information regarding composting and have obtained a manual from State Planning called “ A Community Guide to Composting Leaves and Yard Trimmings in Maine ” for further assistance. I have also included information related to the Maine Compost School, which has its next session in October of this year.*
3. New Business
 - a. Sewer Hook Up – Hampden Water District – *Included is a memo from CEO Ben Johnson related to a sewer hook up issue with the Water District. Our ordinance requires Council approval for such a hook up.*
 - b. Roadside Memorial – Western Avenue – *Public Works removed items left in front of Lakeview Cemetery that had been left there as a memorial to Susan Abraham. The event occurred over two years ago and the items were somewhat dilapidated. The Abrahams were not notified prior to the removal, and the items had been destroyed by the time it was brought to the attention of the Public Works Director or myself. Since this is a DOT right of way area, Chip has emailed Dwight Doughty from that department for permission to replace those items for an indefinite time period. The Town has no policy on roadside memorials, nor do neighboring ones that we checked with. Common practice is for such things to be left immediately after some kind of tragedy and for the community/State to remove them when they become dilapidated. Mr. & Mrs. Abraham are very upset with what they consider to be a theft of their property. I do not believe that there was any ill intent in removing these items and if the State agrees, we will replace them at our cost and extend our most sincere apologies to the Abrahams.*
 - c. Hillside Drive/Route 1A Drainage
Public Works Director Chip Swan will be present to discuss this item. Councilor Brann also made a site visit following Monday’s Council meeting and has some suggestions as well. I will also try and locate any drainage information that we have for that area.

d. Salt Bid

Public Works Director Chip Swan will be present to present bids on Salt for the 2009/2010 year. I have included the proposal from International Salt that was the winner of the State bid.

e. Road Opening Permits

Public Works Director Chip Swan will be present to discuss this item.

f. Driveway & Driveway Culvert Maintenance

State law changes effective this fall remove the responsibility for the Maine Department of Transportation to replace or maintain driveway culverts adjacent to State roads. The Town has generally mirrored state law in the past in that we have required homeowners to pay for the first culvert and then have maintained or replaced them as needed over time. The question is whether we wish to amend our policy to be consistent with state standards. Replacement of driveway culverts last year cost the town nearly \$10,000.

4. Public Comments

5. Committee Member Comments

INFRASTRUCTURE COMMITTEE MEETING
MINUTES
Monday, June 22, 2009

Attending:

Chair Tom Brann	Public Works Director Chip Swan
Councilor Shannon Cox	
Councilor Andre Cushing	
Councilor William Shakespeare	
Town Manager Susan Lessard	

The meeting was opened at 6:15 following the Services Committee meeting.

1. The minutes of the May 26, 2009 meeting were approved by unanimous consent.
2. Old Business
 - a. The Town Manager provided an update on the composting ideas. She is currently working on completing a budget plan to assess the fiscal impact of some sort of municipal composting effort.
 - b. The Public Works Director reported that the bids received for repairs to the Library Roof were under the requirement for Council approval and that they would be reported to the Finance Committee for inclusion on the consent agenda for the first Council meeting in July.
 - c. The Public Works Director reported that he was able to negotiate a price for four new garage doors at the Town Garage for approximately \$450 more than had been budgeted for two. This item is under the \$10,000 bid amount but will be reported to the Finance Committee at the 7/6/09 meeting.
 - d. Mayo Road Update. The Public Works Director indicated that the project was at a point where the Council should decide whether or not to put this construction project out to referendum on the November 2009 ballot. Motion by Andre Cushing/Seconded by Councilor Cox to recommend to the full council that an ordinance be prepared and a public hearing held to consider a public referendum vote on this issue at the November election in 2009.
 - e. Route 1a Sewer – The Public Works Director updated the Committee on the status of the project. Bids have been awarded, a pre-construction contract-signing was held on June 16th and the project should be underway by the beginning of July.
3. New Business
 - a. The Town Manager reported that she had discussed the idea of reducing the speed on Library road with the Public Safety in response to a

request from several residents of Avalon Village. Since this is now a town road, the Maine Department of Transportation has to do an assessment and report the results of that to the Town. The purpose of it being on this agenda is to determine if this proposal is something that would be supported by the Infrastructure Committee. It was the consensus of the Committee members to endorse the concept of reducing the speed limit on Library Road to 15 mph.

b.Sewer Fee Increase – The Town Manager presented information related to income from sewer use developed that, due to the upcoming sewer construction project, decrease in water usage for sewer billing, and increased maintenance costs have created a need for a sewer rate increase. This would be the first rate increase in sewer in 11 years. It was the unanimous consent of those present to recommend to the full council that a \$1 per 100 cubic foot rate increase be adopted to appropriately fund the sewer.

4. Public Comment – None

5. Committee Member Comment – Councilor Cox raised an issue requested by a constituent in which the person wanted a fixed traffic signal at the Route 1A/Kennebec Road intersection to aid morning traffic. Committee members discussed the issue with the Town Manager and the Public Works Director. This item has been requested before and MDOT is not willing to locate another signal on 1A in such close proximity to the Route 1A/ Western Avenue light. It was brought up by Councilor Brann that traffic patterns would be changing dramatically once the new High School was constructed and that would further negate the idea of a fixed signal at that location.

The meeting was adjourned at 6:50 p.m.

Respectfully submitted,



Susan Lessard
Town Manager

Organic Waste Collection and Composting

Maine State Planning Office Waste Management & Recycling Program



Composting of the separable organic portion of municipal solid wastes was identified as a top priority in the 1998 State Waste Management & Recycling Plan. The recycling plan supports and encourages composting of separated organic waste rather than mixed solid waste because separated organic waste requires less processing and results in a final product of higher quality and superior market value. Title 38, Section 2132.1 states *“It is the policy of the State (of Maine) to recycle or compost, by January 1, 2003, 50% of the municipal solid waste generated each year.”* Municipal solid waste (MSW) in Maine consists of approximately 26% organic waste by weight (not including paper, newspaper, and cardboard) and includes food scraps, yard trimmings, brush and pet waste. Of these items, food scraps are the second largest single component of the MSW stream in Maine at approximately 15% by weight. Although much of the 50% of MSW that the State of Maine would like to see recycled by 2003 will consist of dry recyclables such as plastic, paper, cardboard and steel cans, composting of organic waste from residential and commercial sources is critical to Maine’s 50% goal.

To date, composting of organic waste in Maine has been limited to yard waste, municipal wastewater treatment plant sludge, and on-farm composting of food processing residuals (fish waste, blueberry processing waste, cull potatoes, and others). While a large number of facilities are composting food residuals across the state, the actual percentage of food residuals that are composted is estimated to be less than 10%.

Organic Materials Targeted for Separation

Table 1 is a list of organic materials that have been included in residential and commercial organic waste separation studies across North America. In developing any program for collection and composting of organic waste, inclusion of any material which has attached metal or plastic will result in higher contaminant levels and will increase the level of post-processing that is necessary to generate a high-quality product. Communities throughout North America that have composted mixed solid waste have typically not been able to produce a high quality end product, and, as a result, have had difficulty distributing the final product.

**TABLE 1
COMPOSTABLE ORGANIC MATTER**

Yard waste	Dryer lint
Food waste with meat scraps and bones	Wood ash
Soiled paper items	Animal and human hair
Non-recyclable waxed corrugated cardboard	Paper vacuum cleaner bags
Pet waste	Sawdust and wood shavings
Disposable diapers	

The first study in Maine on the collection and composting of separated residential and commercial organic waste was conducted in Lewiston in 1995 and 1996. Residential collection of food scraps has not been conducted in Maine since the 1940’s and 1950’s when it was collected in selected cities for pig feed. The following are considerations which should be taken into account in the planning and development of an organic waste separation and composting program.

Considerations for Full-Scale Collection and Composting of Separated Organic Waste

Education

- Initial informational mailings to all participants are mandatory.
- Assigning individuals to distinct neighborhoods to encourage separation of organic waste may result in an increase in participation and volumes diverted.

Commercial Collection

- Businesses or institutions with a commitment to recycling will separate the greatest quantity of clean organic waste with minimal training.
- Multiple training sessions are recommended for larger businesses with numerous employees responsible for waste management.
- Polyethylene wheeled carts or leak-proof dumpsters are recommended for outside storage of organic waste.
- Smaller polyethylene cans with or without liners are recommended for inside storage of organic waste.
- Leak-proof rear-loading packer truck is recommended for collection from commercial accounts.
- Collection more than once per week, particularly in summer months, may be required to secure participation from hospitals and nursing homes.

Residential Collection

- Sufficient housing density is important to cost effective collection.
- Residential routes with high recycling rates are likely to have the best participation rates
- Leak-proof side-loading packer truck for collection is recommended
- Once a week collection frequency may be adequate for most communities

Containers and Degradable Bags

- Degradable plastic bags need to be thicker than traditional trash bags to provide adequate wet strength.
- Kraft paper bags should be considered for yard waste because of their excellent degradability.
- Cost for premium quality bags, like degradable polymer or cellulose-lined Kraft bags, may need to be subsidized by the community to boost participation.
- 5-gallon bucket with lid or recycling box with lid works well for storage of organic kitchen waste.

Composting

- The facility operator should be knowledgeable in the areas of composting and material handling.
- A slow-speed shear shredder is recommended for grinding.
- Screening of compost prior to final distribution is recommended to achieve maximum revenue and consistent market for product.
- Composting with regular agitation and addition of water is recommended
- A regional composting facility to treat numerous wastes including residential and commercial organic waste and biosolids from several communities is likely to be the most economical for rural communities in Maine.
- Waste wood or yard waste is recommended for amendment, if needed.

Economics

- Make every effort to maintain or decrease solid waste disposal cost for residents or businesses that separate.

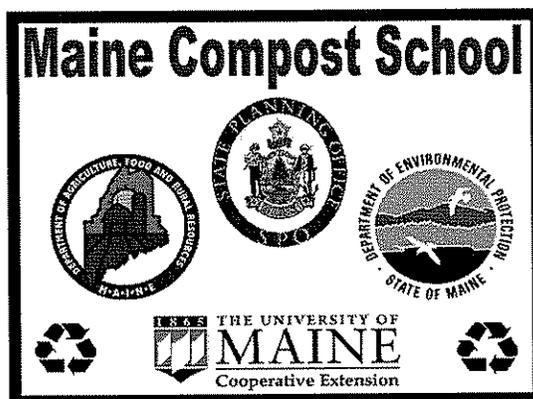
Costs for Full-Scale Collection and Composting of Separated Organic Waste

The major costs involved in the development, implementation, and operation of a full-scale program for collection and composting of residential and commercial organic waste include planning and education, containers and bags, collection, and composting. The costs for many of these items will vary from community to community as will the current cost for disposal of MSW in landfills or incinerators. Items such as environmental awareness, extension of landfill life, community involvement, and beneficial end-products are often overlooked, but should be factored into the overall analysis.

For more information, please contact:
State Planning Office
Waste Management and Recycling Program
State House Station 38
Augusta, Maine 04333-0038
(207) 287-8934 or 1-800-662-4545
www.recyclemaine.com

2A

[Faculty](#)
[Schedule](#)
[Field Trips](#)
[Lodging](#)
[Directions](#)



[Register](#)
[Payment](#)
[Photos](#)
[Videos](#)

2009 Compost School Dates

June 15-19, 2009

October 19-23, 2009

Third International Symposium Management of Animal Carcasses, Tissue and Related By-Products Connecting Research, Regulations and Response

July 21-23, 2009

University of California - Davis
 Davis, California

The University of Maine Cooperative Extension (UMCE), Maine Department of Agriculture, Food and Rural Resources (DAF&RR), and Maine Department of Environmental Protection (DEP), and Maine State Planning Office (SPO) offer a regularly scheduled award winning international Maine Compost School. The objective of the Maine Compost School is to provide training to people interested and/or involved with medium and large-scale composting operations. This course is offered as a certificate program and will train personnel to be qualified compost site operators.

The **Maine Compost School** is located at **Highmoor Farm**, a University of Maine research farm facility located in Monmouth, Maine. Participants receive classroom instruction, laboratory experience and hands-on project exercises in this setting. The CLASSROOM and laboratory hands-on activities include:



- + Introduction to composting biology
- + Review of basic composting methods
- + Rules and regulations
- + Feedstocks
- + Equipment/New/Used/Safety
- + Siting
- + Reading feedstock analysis
- + Maturity and stability
- + Bioaerosols
- + Consumer education
- + Odor control
- + Vector control
- + Troubleshooting
- + Recipe development

2A

- | | |
|-----------------------------------------------------|-------------------------|
| + Site Management | + Feedstocks |
| + Roles & responsibilities of managers/operators | + Maturity and end uses |
| + Pile management | + Markets and marketing |
| + Disease suppression using compost tea and compost | + Videos |
| + Record Keeping | |

To reinforce and illustrate the principles taught in the classes, different commercial, community and farm composting sites have been selected to be visited by the students. At each site the operators freely share their information and answer the questions the students may have.

All along the tour, students are able to interact with the FACULTY OF THE SCHOOL. The FIELD TRIPS include:

- ☛ a medium scale in-vessel system composting septage using agitate biotechnology (**Pat Jackson/Tri-City Septic**)
- ☛ an organic dairy farm that has been composting heifer bedding and other farm residuals, producing high-end compost, sold in bulk (**Rainbow Valley Farms**)
- ☛ a food waste composting operation (**Sandy River Recycling Association**)
- ☛ an innovative retail bagging operation (**Living Acres**)
- ☛ a recognized international leader in all aspects of composting science and practice for nearly two decades (**Woods End Research Laboratories**)
- ☛ a large scale in-vessel sludge compost facility (**New England Organics - Hawk Ridge Compost Facility**)
- ☛ a farm composting and bagging seafood waste, manure, and other organics (**Kinney Compost**)
- ☛ a large scale municipal sludge composting facility (**Lewiston/Auburn Water Pollution Control Authority**)
- ☛ a medium-scale sludge composting facility utilizing the static aerated pile method of composting (**Little River Compost**)

Certification

An optional examination is administered to any participant that requests it. Successful completion of the exam results in the awarding of a "Certificate of Technical Ability." The exam covers the classroom portion and the field trip visits and is given at the end of the session on Friday. Please indicate your interest in this optional exam by checking the appropriate box on the registration form.

Enrollment Information

The registration fee for the Maine Compost School is \$525.00 (US dollars) for each participant. This fee includes all instructional material, refreshments at breaks, lunches Monday through Thursday, assorted publications, COMPOSTING VIDEO SERIES and field trip transportation. Participants arrange for their own LODGING and transportation to school.

Please send in your registration early using the REGISTRATION FORM AND THE PAYMENT FORM. Applications for registration are accepted until the 20 participants limit is reached. Letters of acceptance will be sent out as confirmation of registration.

Refunds

The registration fee is fully refundable up to two weeks prior to the first day of the selected Maine Compost School. Registrants who do not attend and fail to cancel are subject to the complete fee. No participant substitutions may be made at any time, without permission from the school directors.

JA

The Maine Compost School reserves the right to change instructors and to cancel or reschedule a program in the event of insufficient enrollment or unforeseen circumstances.

Special Clothing & PPE: The Maine Compost School does not require any personal protection equipment or special clothing. It does suggest that you wear work boots and bring rain gear.

Contact Information:

Curriculum content and/or optional **certification** process, please contact:

Mark King, Environmental Specialist
Maine Department of Environmental Protection
Division of Solid Waste Management
17 State House Station
Augusta, ME 04333-0017
Telephone: 207-287-2430
Fax: 207-287-7826
Email: mark.a.king@maine.gov

Registration and/or **payment** questions, please contact:

Melissa Freeman
Maine Department of Agriculture
28 State House Station
Augusta, ME 04333-0028
Telephone: 207-287-1132
Fax: 207-624-5040
Email: melissa.freeman@maine.gov

Resource Materials

[back to top](#)

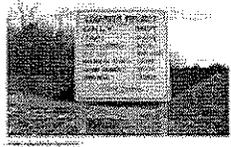
These pages are currently being maintained by the Maine Department of Agriculture.

Send comments, suggestions or inquiries to: mark.a.king@maine.gov, Environmental Specialist.

2-A

- o 'A Community Guide to Composting Leaves and Yard Trimmings in Maine' This document is a three ring binder with 50 pages. It is available by contacting us.

A COMMUNITY GUIDE
TO COMPOSTING
LEAVES AND YARD TRIMMINGS
IN MAINE
Developed by the Maine Department of Agriculture, Forestry and Aquaculture
in cooperation with the University of Maine Extension Service



Picking up in
Augusta 7-24-09

2-A



Your Account
Shopping Cart

Find your county office Publications About us News Events Programs Partners & other resources UMaine

Find books & publications about

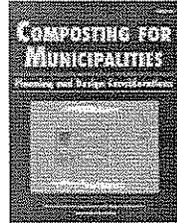
Yard & Garden

Backyard Habitats & Native Plants
Gardening, Landscaping & Composting

- Agriculture
- Business & Community
- Energy
- Home & Family
- Food & Health
- Pests & Plant Diseases
- Natural Resources
- Safety & Preparedness
- Buy Extension merchandise

Home » Yard & Garden » Gardening, Landscaping & Composting » Composting for Municipalities: Planning and Design Considerations

Search:



Click here for larger image

Composting for Municipalities: Planning and Design Considerations

Item #1168
 Publisher: NRAES
 Composting has the potential to decrease the amount of waste disposed of in land-fills; lessen environmental hazards; help achieve compliance with state-mandated recycling goals; and produce a clean, organic product with a number of potential uses and markets. This 126-page book can help municipal planners decide whether composting fits their waste management objectives. Covers the major methods and technologies available to municipalities; planning a municipal compost facility; siting a new facility; obtaining feedstock for composting; making compost; marketing compost; and managing a facility for long-term success. 1998.
\$20.00

Usually Ships in 2-3 Days

1

We Also Suggest...

	Composting to Reduce the Waste Stream: A Guide to Small Scale Food and Yard Waste Composting \$8.00
	How Compost Happens \$0.75

Ordered 7-23-09 JAL

Quick Links

Site Information

UMaine Extension Publications Distribution Center

5741 Libby Hall
Room 114
Orono, ME
04469-5741
Phone: 207-581-3792
Fax: 207-581-1387

Permalink | Email This Page

Accessibility | Non-discrimination & Disability Resources | Disclaimer | Photo Credit | Copyright |
A Member of the University of Maine System



HAMPDEN PUBLIC SAFETY
Code Enforcement Division
106 Western Avenue
Hampden, Maine 04444
Phone 207-862-4500
Fax: 207-862-5067



Memorandum

Date: July 22, 2009
To: Susan Lessard, Town Manager
From: Ben Johnson, Code Enforcement Officer *B.J.*
Subject: Proposed Sewer Hook-on: Hampden Water District's New Pump Station Adjacent to the Bangor Line

As we have discussed previously, Hampden Water District is in the process of designing a new pump station to replace the obsolete one located near the Town boundary with the City of Bangor. This pump station will require the District to establish a connection to the Town's sewer system. Currently, the State of Maine has a moratorium on the opening of this section of Route 1A due to reconstruction several years ago.

Due to these circumstances, the District can not make a new connection to the Town sewer main as is required by the Sewer Ordinance. However, my reading of Section 2.4 of the Sewer Ordinance does allow the Town Council to grant an exception to the requirements of the ordinance where these types of conditions exist. The ordinance directs the Sewer Review Board to make recommendations regarding the need for such exceptions.

The Water District has proposed to connect to an existing service line presently serving Higgins Electric. Town staff members have reviewed this proposal and see no reason why this concept wouldn't work provided the District obtains all easements necessary to ensure long-term use and maintenance rights to their portion or portions of the service line.

As with all sewer service connections, the Town's responsibility for replacement and or repair and maintenance stops with the sewer main, leaving any shared responsibilities for the service line itself to the Water District and Higgins Electric.

Respectfully Submitted



INTERNATIONAL SALT
an **SPL** company

2-d

July 13, 2009

Chip
Town of Hampden, ME

Ladies/Gentlemen:

International Salt Company, LLC is pleased to submit the following quotation:

BULK ICE CONTROL ROCK SALT
BID TONNAGE: 1,600 TONS

Dump Truck Delivery

Minimum truckload - 20 tons

\$68.05 per ton

Please be advised that this price reflects State of Maine pricing for the 2009 season.

Toll free number for placing orders is 1-888-388-4726 and press option 1.

Terms of payment are net 30 days from shipment.

Bulk rock salt will be treated with YPS (yellow prussiate of soda), which casts a yellow tint. YPS is the primary anti-caking agent used in the industry today.

Our delivered price(s) applies f.o.b. your storage area with all transportation charges prepaid. Please be advised that all terms and conditions of the State of Maine bid apply to this quote. Term date is 8/25/09 through 6/30/10.

Best regards,

DANIEL P. THOMPSON
Vice President Highway Bidding & Sales