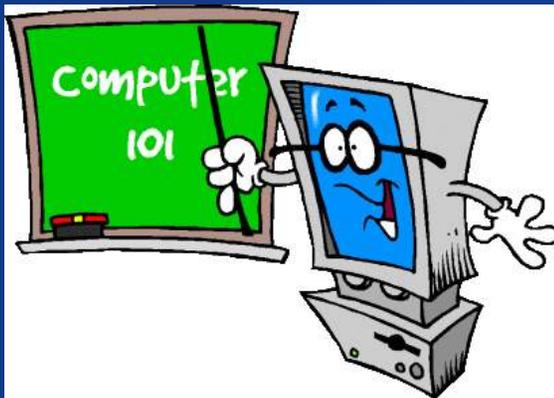
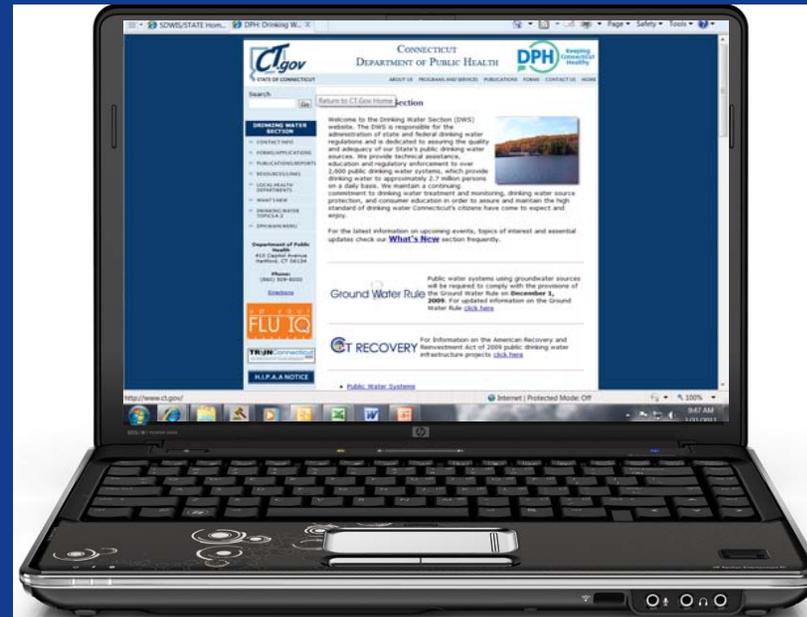


Useful Information on DWS Website for Assessing Water Quality and Monitoring Compliance for Food Service Establishments with On-site Wells --- 2011

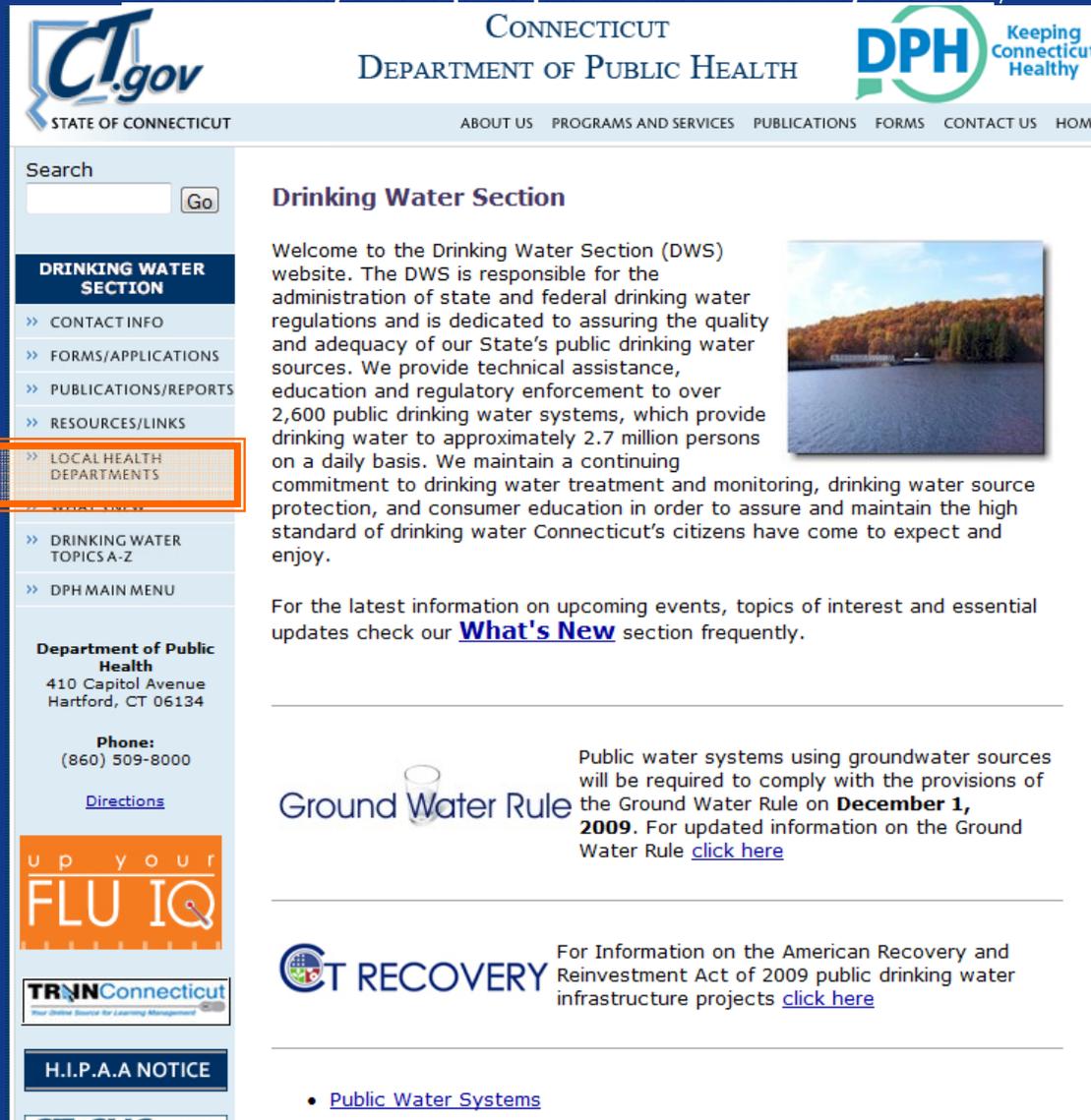


Tiziana C. Shea
Sanitary Engineer 2
Information Systems Unit
CT DPH Drinking Water Section



Where to begin ...

www.ct.gov/dph/publicdrinkingwater;



The screenshot shows the website's header with the CT.gov logo, the Department of Public Health name, and the DPH logo. A navigation menu includes links for 'ABOUT US', 'PROGRAMS AND SERVICES', 'PUBLICATIONS', 'FORMS', 'CONTACT US', and 'HOME'. A search bar is located on the left. The main content area is titled 'Drinking Water Section' and contains a welcome message, a photograph of a water treatment facility, and a 'What's New' section regarding the Ground Water Rule. A sidebar on the left lists various links, with 'LOCAL HEALTH DEPARTMENTS' highlighted by an orange box. At the bottom of the sidebar, there are logos for 'up your FLU IQ', 'TRN Connecticut', and 'H.I.P.A.A NOTICE'.

Drinking Water Section

Welcome to the Drinking Water Section (DWS) website. The DWS is responsible for the administration of state and federal drinking water regulations and is dedicated to assuring the quality and adequacy of our State's public drinking water sources. We provide technical assistance, education and regulatory enforcement to over 2,600 public drinking water systems, which provide drinking water to approximately 2.7 million persons on a daily basis. We maintain a continuing commitment to drinking water treatment and monitoring, drinking water source protection, and consumer education in order to assure and maintain the high standard of drinking water Connecticut's citizens have come to expect and enjoy.

For the latest information on upcoming events, topics of interest and essential updates check our [What's New](#) section frequently.

Ground Water Rule

Public water systems using groundwater sources will be required to comply with the provisions of the Ground Water Rule on **December 1, 2009**. For updated information on the Ground Water Rule [click here](#)

CT RECOVERY

For Information on the American Recovery and Reinvestment Act of 2009 public drinking water infrastructure projects [click here](#)

• [Public Water Systems](#)

DRINKING WATER SECTION

- » CONTACT INFO
- » FORMS/APPLICATIONS
- » PUBLICATIONS/REPORTS
- » RESOURCES/LINKS
- » LOCAL HEALTH DEPARTMENTS
- » DRINKING WATER TOPICS A-Z
- » DPH MAIN MENU

Department of Public Health
 410 Capitol Avenue
 Hartford, CT 06134

Phone:
 (860) 509-8000

[Directions](#)

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H.I.P.A.A NOTICE

Local Health

This site provides Connecticut's local health departments (LHDs) access to important information on public water systems including maximum contamination level (MCL) violations and monitoring and reporting (M/R) violations these systems incur. The site also provides forms to facilitate and standardize communications between the Drinking Water Section (DWS) and LHDs on matters of joint concern or jurisdiction.

Public Water System Classifications and Inventory

[Click here](#) to view the classifications of public water systems (PWS) and the criteria for each classification.

Maximum Contaminant Level (MCL) and Monitoring and Reporting (M/R) Violations and Food Service Establishment Report

In the dropdown menu below you may select your respective health department or district and click 'Go!' to obtain a printable list of PWSs that have received MCL and/or M/R violations in the past 12 months. The report also contains an up to date list by health department of all of the food service establishment/PWSs in the DWS inventory. This list is for informational purposes only and is updated monthly. All PWSs are required by regulation to report any MCL violation they incur directly to the LHD. Please report any inventory errors to the DWS.

Choose Local Health Department

Forms

- [Food Service Establishment Water System Registration Form](#) (pdf) each time a food service establishment is inspected. Instructions for use of the form are included on the second page. Use of this form facilitates improved regulation of PWSs that are serving food service establishments.
- [TNC Public Water System Information Form](#) can also be completed when LHDs for small PWSs that are not food service establishments.

Public Water System Classifications and Inventory

The following lists contain information on Connecticut's public drinking water systems. The systems are divided by "classification" or "type of system". There are 3 types of public drinking water systems: "Community Water Systems" which serve at least 25 residents throughout the year "Non-transient, Non-Community Systems" which are not community systems and regularly serve at least 25 of the same people over six months of the year at places like schools and office buildings; and "Transient Non-Community Systems" which do not meet the definition of a non-transient, non-community water system such as restaurants, parks, etc. We regulate these systems to assure a safe and adequate supply of drinking water is available. You will find information such as the system name, city served by the system, population served, whether the source of the water is from "groundwater" (well), or "surface water" (reservoir), the contact information and address of the system(s).

Click on the following links to view this information:

- [Community Systems](#) (Excel)
- [Non-Transient Non-Community Systems](#) (Excel)
- [Transient Non-Community Systems](#) (Excel)



- >> DRINKING WATER TOPICS A-Z
- >> DPH MAIN MENU

Department of Public Health
410 Capitol Avenue
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H.I.P.A.A NOTICE



E-ALERTS

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Maximum Contaminant Level (MCL) and Monitoring and Reporting (M/R) Violations and Food Service Establishment Report

In the dropdown menu below you may select your respective health department or district and click 'Go!' to obtain a printable list of PWSs that have received MCL and/or M/R violations in the past 12 months. The report also contains an up to date list by health department of all of the food service establishment/PWSs in the DWS inventory. This list is for informational purposes only and is updated monthly. All PWSs are required by regulation to report any MCL violation they incur directly to the LHD. Please report any inventory errors to the DWS.

Choose Local Health Department

Choose Local Health Department

- Bethel
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- Brookfield
- Chester
- Colchester
- Cromwell
- Danbury
- Darien
- Durham
- East Hartford
- Easton
- Essex
- Fairfield
- Franklin
- Glastonbury
- Greenwich
- Griswold
- Guilford
- Haddam
- Hartford
- Killingworth
- Lebanon
- Lisbon
- Lyme
- Madison
- Manchester
- Meriden
- Middlebury
- Middlefield

Keep scrolling to find Local Health Departments ...

Choose Local Health Department

- Wallingford
- Washington
- Waterbury
- Westbrook
- West Haven
- Wilton
- Windsor
- Westport Weston Health District
- Chesprocott Health District
- East Shore Health District
- Farmington Valley Health District
- Naugatuck Valley Health District
- North Central Health District
- Northeast District Department of Health
- Torrington Area Health District
- Quinnipiack Valley Health District
- Bristol-Burlington Health District
- Pomperaug Health District
- Uncas Health District
- Ledge Light Health District
- Newtown Health District
- West Hartford-Bloomfield Health District
- Central Connecticut Health District
- Eastern Highlands Health District
- Chatham Health District
- Trumbull-Monroe Health District
- Connecticut River Area Health District
- Mohegan Tribal Health
- Mashantucket Pequot Health Department

[Form](#) (pdf) each instructions for use of the facilities

Public Water System Name: Yummy Restaurant
Physical Address (if applicable): 555 Palace Place
Principal City Served: Town
Classification: NC
Food Service Establishment? Yes

Public Water System ID: CT1750124
Administrative Contact: Mr. Contact
Title: Owner
Phone/Ext: 555-5555
Email:
Chief Certified Operator(s)

Violation Name (Type)	Analyte / Requirement	Compliance Period	Issue Date	Public Notification		Water System Facility	Compliance Achieved
				Required	Received		
Monitoring and Reporting	pH	1/1/2010 - 1/31/2010	4/21/2010	4/21/2011		Entry Point	
Monitoring and Reporting	pH	12/1/2009 - 12/31/2009	2/26/2010	2/26/2011	3/11/2010	Entry Point	
Monitoring and Reporting	pH	11/1/2009 - 11/30/2009	2/26/2010	2/26/2011	3/12/2010	Entry Point	
Monitoring and Reporting	pH	10/1/2009 - 10/31/2009	2/18/2010			Entry Point	3/23/2010

Jds Roadhouse Grill Total Violations: 4

Public Water System Name: Dinner Time Restaurant
Physical Address (if applicable): 555 Dinner Ave
Principal City Served: Town
Classification: NC
Food Service Establishment? Yes

Public Water System ID: CT1750144
Administrative Contact: Mrs. Contact
Title: Owner
Phone/Ext: 555-5556
Email:
Chief Certified Operator(s)

Violation Name (Type)	Analyte / Requirement	Compliance Period	Issue Date	Public Notification		Water System Facility	Compliance Achieved
				Required	Received		
Monitoring and Reporting	Physical Parameters	4/1/2010 - 8/6/2010	9/9/2010			Distribution System	8/6/2010
Monitoring and Reporting	Total Coliform	4/1/2010 - 8/6/2010	9/9/2010			Distribution System	8/6/2010
Monitoring and Reporting	Total Coliform	10/1/2004 - 10/31/2004	6/7/2005	7/7/2005		Distribution System	6/30/2005
Monitoring and Reporting	Total Coliform	9/1/2004 - 9/30/2004	2/15/2005	3/17/2005		Distribution System	6/30/2005
Monitoring and Reporting	Total Coliform	6/1/2004 - 6/30/2004	11/8/2004	12/8/2004		Distribution System	6/30/2005

ca At 382-390 Wolcott Road- Back Well Total Violations: 5

Public Water System Name: Eat a Lot Restaurant
Physical Address (if applicable): 555 Eat Street
Principal City Served: Town
Classification: NC
Food Service Establishment? Yes

Public Water System ID: CT1750164
Administrative Contact: Miss Contact
Title: Owner
Phone/Ext: 555-5557
Email:
Chief Certified Operator(s)

Violation Name (Type)	Analyte / Requirement	Compliance Period	Issue Date	Public Notification		Water System Facility	Compliance Achieved
				Required	Received		
Maximum Contaminant Level	Distribution Turbidity	7/1/2005 - 9/30/2005	10/18/2005	11/3/2005		Distribution System	9/30/2006

Rockstar Lounge Total Violations: 1

Public Water System Name: Not an FSE Place
Physical Address (if applicable): 555 Not an FSE Street
Principal City Served: Town
Classification: NC
Food Service Establishment? No

Public Water System ID: CT1750184
Administrative Contact: Dr. Contact
Title: Owner
Phone/Ext: 555-5558
Email:
Chief Certified Operator(s)

Violation Name (Type)	Analyte / Requirement	Compliance Period	Issue Date	Public Notification		Water System Facility	Compliance Achieved
				Required	Received		

EXAMPLE LIST:

- Shows MCL & M&R violations per PWS, by Health Dept.

- Lists by Health Dept of all FSE / PWSs in DWS inventory (@ end of document).



H.I.P.A.A NOTICE

Forms

- [Food Service Establishment Water System Registration Form](#) (pdf) each time a food service establishment is inspected. Instructions for use of the form are included on the second page. Use of this form facilitates improved regulation of PWSs that are serving food service establishments.
- [TNC Public Water System Information Form](#) can also be completed when LHDs for small PWSs that are not food service establishments.

Important forms:

STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH
DRINKING WATER SECTION
Food Service Establishment Water System Registration Form (Rev. 4/06)

Refer to instructions on reverse side for assistance in completing this registration form.

Are there changes to property and/or food service establishment ownership/contact information from this past year? Yes No

A. Food Service Establishment Information

New food establishment licensure Relicensure

Food Service Establishment Name: _____

Ownership information (food service establishment):

Name: _____
Mailing Address: _____
Phone Number: _____
Signature of food service establishment owner: _____ Date: _____

B. Water System Information

What is the source of the water supply for this location? Onsite Well
If "Customer of a Community PWS", do not complete Section B. Customer of a Community Public Water System (PWS)
Provide name of Community PWS: _____

Water System/Property Name _____ PWSID*: CT _____
* If known, if applicable

Address of Water System: _____ Town: _____

List all businesses and/or facilities supplied by water system: _____

Do at least 25 persons (including employees, customers, parishioners, visitors, etc., but not necessarily the same persons) visit the facilities/businesses supplied by the water system daily at least 60 days out of the year? Yes No

Total number of same persons who regularly use the facilities / businesses (i.e. employees, students, but not residents) for at least 6 months a year: _____ Avg. # of Daily Customers: _____ # of Residents: _____

Does this water system also supply water to a (check applicable): hotel/motel municipal bldg gas station
 medical facility rest area park/recreation area campground place of worship Other: _____

Type and number of wells: Drilled Wells _____ Shallow Dug Wells _____ Other: _____

Installed water treatment equipment: Iron/manganese filter Ultraviolet light Water softener Aeration
 Granular Activated Carbon filter Acid Neutralizer Other/Unk. _____ Chemical feed: _____

Water System annual operating period (begin/end dates of operation): From: _____ To: _____
month/day month/day

Water system ownership information (i.e. property owner):

Name: _____
Mailing Address: _____
Phone Number: _____
Signature of Property Owner: _____ Date: _____

Information below to be completed by the Local Health Department

1. Date: _____
2. Water System Classification (check one): NTNC TNC NP Undetermined CWS Customer*
3. Reviewed by (print name, title and LHD): _____
4. Signature: _____

Mail a copy of the completed registration form to:
CT Department of Public Health - Drinking Water Section, CRS Unit
410 Capitol Ave. MS#51WAT, P.O. Box 340308, Hartford, CT 06134-0308

* If CWS customer, do not forward form to CT DPH - DWS.

DRINKING WATER SECTION
PUBLIC WATER SYSTEM INFORMATION FORM

Water System/Property Name* _____ PWSID* CT _____
(If applicable)

Address of Water System _____ Town _____

Facilities and/or businesses supplied by water system: _____

What is the source of the water supply for this location?: onsite well(s) customer of a water company
If the response to the above question was "customer of a water company", please attach a copy of your most recent water bill so that you can be removed from our inventory. It is not necessary to complete the next 8 items if you are a customer of a water co. and attach a copy of your bill.

Water System annual operating period (begin/end dates of operation): From _____ To _____
month/day month/day

Does this water system supply water to a licensed food service establishment?: Yes No

Does this water system supply water to a public restroom, public sink and/or public drinking fountain?: Yes No
(A public restroom, sink or fountain is one that is located in a common area with public access for transient customers, visitors and/or members.)

Does this water system supply water to a (circle all that apply): hotel/motel municipal building gas station
medical facility rest area library park/recreation area campground place of worship

Do at least 25 persons (including employees, customers, parishioners, visitors, etc., but not necessarily the same persons) visit the facilities/businesses supplied by the water system daily at least 60 days out of the year? Yes No

Number of same persons (i.e. employees, students, but not residents) regularly using facility on a daily basis for at least 6 months a year: _____

Number of persons whose primary residence is supplied by the water system: _____

Number of service connections (buildings or units supplied by water system): _____

I certify this information to be correct.

Signature _____
Name (Please Print) _____
Title _____
Relationship to property (owner, operator, tenant, etc.) _____
Phone # _____
Date _____

Who should sign? ... PROPERTY owner

Not necessarily consecutive.

Guidance Documents

- [Presence of Total Coliform Bacteria in the Water Supply at Food Service Establishments](#) (pdf) - Guidance Document developed by CTDPH, CADH and CEHA. This document was developed to provide procedural guidelines to be followed by LHDs when a food service establishment, under LHD jurisdiction exceeds the monthly MCL for E. coli or fecal coliform bacteria.
- [Fact Sheet for Local Health Departments Presence of Total Coliform or Fecal Coliforms/E. coli Bacteria in the Water Supply at Food Service Establishments](#) (pdf)

Revised: June 2010

GUIDANCE DOCUMENT

Presence of Total Coliform or Fecal Coliform/ *E. coli* Bacteria in the Water Supply At Food Service Establishments

Originally Prepared by:
Connecticut Department of Public Health
Connecticut Association of Directors of Health, Inc.
Connecticut Environmental Health Association

This document supersedes a similarly titled guidance document dated July 15, 2005.

Purpose: To provide procedural guidelines to be followed by local health departments when the water supply serving a food service establishment, under local health department jurisdiction, exceeds the monthly maximum contaminant level (MCL) for total coliform bacteria or Fecal Coliforms / *E. coli*. Compliance with the MCL is based on the results of the initial sample and repeat samples and is a presence/absence test, so that colony counts typically are not reported.

What are coliform bacteria?

Coliform bacteria are organisms that are present in the environment and in the feces of all warm-blooded animals and humans. Coliform bacteria will not likely cause illness. However, their presence in drinking water indicates that disease-causing organisms (pathogens) could be in the water system. Most pathogens that can contaminate water supplies come from the feces of humans or animals. Testing drinking water for all possible pathogens is complex, time-consuming, and expensive. It is relatively easy and inexpensive to test for coliform bacteria. If coliform bacteria are found in a water sample, water system operators work to find the source of contamination and restore safe drinking water. There are three different groups of coliform bacteria; each has a different level of risk.

Total coliform, fecal coliform, and *E. coli*:

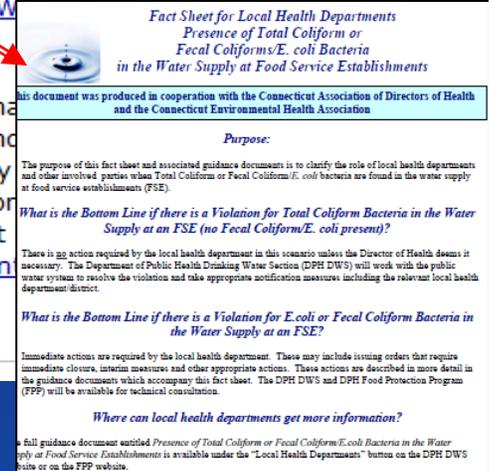
Total coliform, fecal coliform, and *E. coli* are all indicators of drinking water quality. The total coliform group is a large collection of different kinds of bacteria. Fecal coliforms are types of total coliform that mostly exist in feces. *E. coli* is a sub-group of fecal coliform. When a water sample is sent to a lab, it is tested for total coliform. If total coliform is present, the sample will also be tested for either fecal coliform or *E. coli*, depending on the lab testing method. The occurrence of total coliform bacteria may be from a localized source such as a poorly maintained tap. Investigation of a total coliform incident may include additional sampling at the well itself, storage tanks and treatment system if applicable.

Total coliform bacteria are commonly found in the environment (e.g., soil or vegetation) and are generally harmless. If only total coliform bacteria are detected in drinking water, the source is probably from a non-pathogenic environmental origin (not likely sewage). Fecal contamination is not likely. However, if environmental contamination can enter the system, there may also be a way for pathogens to enter the system. Therefore, it is important to find the source and resolve the problem.

Fecal coliform bacteria are a sub-group of total coliform bacteria. They appear in great quantities in the intestines and feces of people and animals. The presence of fecal coliform in a drinking water sample often indicates recent fecal contamination, meaning that there is a greater risk that pathogens are present than if only total coliform bacteria is detected.

E. coli is a sub-group of the fecal coliform group. Most *E. coli* bacteria are harmless and are found in great quantities in the intestines of people and warm-blooded animals. Some strains, however, can cause illness. The presence of *E. coli* in a drinking water sample almost always indicates recent fecal contamination, meaning that there is a greater risk that pathogens are present.

- Dumpsters - The Drinking Water Section has finalized guidance documents for local health departments and food service establishments on how to minimize the impact that dumpsters may have on public water supply wells and to determine if the dumpster or food service establishment is in compliance with the Regulations of Connecticut. [Click on the links to view the guidance documents and practices.](#)



This document was produced in cooperation with the Connecticut Association of Directors of Health and the Connecticut Environmental Health Association

Purpose:
The purpose of this fact sheet and associated guidance documents is to clarify the role of local health departments and other involved parties when Total Coliform or Fecal Coliforms/ *E. coli* bacteria are found in the water supply at food service establishments (FSE).

What is the Bottom Line if there is a Violation for Total Coliform Bacteria in the Water Supply at an FSE (no Fecal Coliform/ *E. coli* present)?
There is no action required by the local health department in this scenario unless the Director of Health deems it necessary. The Department of Public Health Drinking Water Section (DPH DWS) will work with the public water system to resolve the violation and take appropriate notification measures including the relevant local health department/district.

What is the Bottom Line if there is a Violation for *E. coli* or Fecal Coliform Bacteria in the Water Supply at an FSE?
Immediate actions are required by the local health department. These may include issuing orders that require immediate closure, interim measures and other appropriate actions. These actions are described in more detail in the guidance documents which accompany this fact sheet. The DPH DWS and DPH Food Protection Program (FPP) will be available for technical consultation.

Where can local health departments get more information?
The full guidance document entitled *Presence of Total Coliform or Fecal Coliform/ *E. coli* Bacteria in the Water Supply at Food Service Establishments* is available under the "Local Health Departments" button on the DPH DWS website or on the FPP website.

DRINKING WATER SECTION

WELL LOCATION RELATIVE TO DUMPSTERS

PURPOSE: This document is intended to clarify the requirements of the Regulations of Connecticut State Agencies (RCSA) Section 19-13-B51b(14) and Section 19-13-B51d related to the inclusion of a dumpster as a source of pollution. For the purposes of this clarification, 'dumpster' means a container designed for receiving, transporting, and dumping waste materials.

FACTS: Section 19-13-B51d requires that no well shall be located within 75, 150 or 200 feet of a source of pollution, based on the required withdrawal rate of the well, and be as far removed from any known or probable source of pollution. Section 19-13-B51b(14) states that a source of pollution may include a disposal site for refuse.

CLARIFICATION: The Drinking Water Section (DWS) has determined that a dumpster located within the protective radius of the well could be considered a source of pollution and subject to the separating distance requirement if it is not maintained in a sanitary condition. A dumpster that is used for the disposal of a source of pollution as defined in Section 19-13-B51b(14), (including sewage, industrial waste, animal excrement, gasoline, fuel oil, and kerosene) is considered a source of pollution. The relocation of any dumpster to a location outside of the protective radius of the well and as far removed and down-gradient from the well location as the parcel will allow is always strongly recommended.

RECOMMENDATION: The DWS has developed a Best Management Practices (BMP) document for location and usage of dumpsters near public water supply wells. It is available on the DWS website (<http://ct.gov/dph>)

Available on the DPH FPP website under the "Water Emergencies" Department for Food Establishments During a Water Emergency Ignition at Food Establishments

Connecticut Department of Public Health
Drinking Water Section and Food Protection Program
410 Capitol Avenue
Hartford, CT 06134
www.ct.gov/dph/dph/foodprotection June 2010





Miscellaneous Information

Below are links to information that may be useful to LHDs related to PWSs:

- [Checklist for Licensing Food Service Establishments with Onsite Wells](#) (doc) - This checklist which was originally presented at a Department of Public Health Drinking Water Section training event on October 12, 2010 is suggested for use by local health departments when initially licensing or when re-licensing food service establishments. Please contact Vicky Carrier of the Drinking Water Section via email (vicky.carrier@ct.gov) or telephone at 860-509-7333 extension 7315 if you have any questions or comments.
- [Inspecting Food Service Establishments with On-site Wells Enforcement Actions in Cases of Water Quality Problems](#) (pdf)
- [Top 10 Deficiencies at Small Public Water Systems](#) (pdf)
- [Seasonal Water System Start-Up Guidelines](#) (pdf)
- [Seasonal Water System Shut-Down Guidelines](#) (pdf)



SUGGESTED CHECKLIST FOR LOCAL HEALTH DEPARTMENTS WHEN LICENSING FOOD SERVICE ESTABLISHMENTS WITH ONSITE WELLS

FOOD SERVICE ESTABLISHMENT (FSE) INFORMATION

Name of FSE: <input type="text"/>	PWSID*: <input type="text"/>
Street Address: <input type="text"/>	Town: <input type="text"/>
Name of Public Water System (PWS): <input type="text"/>	Classification of PWS: <input type="checkbox"/> Transient Non-Community (TNC) <input type="checkbox"/> Non-Transient Non-Community (NTNC)

STEP 1 – REGISTRATION WITH THE DRINKING WATER SECTION (DWS)

Is the FSE registered with the Department of Public Health DWS?

- Yes
 No

*If Yes, please fill in PWS Identification Number (PWSID) and other information above, proceed to Step 2.

If No, please have the FSE complete the form entitled "Food Service Establishment Water System Registration Form" and forward to the DWS for processing. This form is available on the local health portion of the DWS website at this link:

http://www.ct.gov/dph/lib/dph/drinking_water/pdf/FSE_WS_Reg_Form.pdf

DEPARTMENT OF PUBLIC HEALTH – DRINKING WATER SECTION

GUIDANCE DOCUMENT SEASONAL WATER SYSTEM START-UP GUIDELINES

There are many unique concerns that seasonal water systems face that other year round water systems do not. Seasonal systems depressurize and drain their water systems typically during the winter months. This can lead to a variety of problems including pipe freezing, pipe bursts, and other components. Major areas of concern with seasonal water systems during start-up include:

1. Pipe freezing and pipe bursts during the winter months which can lead to deterioration of water quality.
2. Contamination entering depressurized water system components (tanks and water distribution system piping) as these components are typically left vented or open to the atmosphere during the off-season.
3. Many seasonal water systems are not maintained by DPH certified water system operators and those individuals that maintain the water systems may not understand or recognize potential risks that these systems face.

Recognizing that many of the small Transient Non-Community Public Water Systems (PWS) in Connecticut are not managed and/or maintained by licensed professionals, this Guidance Document is intended to aid the system owner with starting up a seasonal PWS.

The following guidelines are based on a generic water system with no permanent water treatment systems in place. Many water systems have different design features and these procedures should be tailored to fit your individual public water system's needs. Although it is best to hire a water professional for start-up, the following guidelines are offered as a recommended start-up procedure that should be followed. These steps along with the proper water quality testing will help ensure the safe delivery of drinking water to the public at the beginning of the operational season.

Timing

Start-up of the water system should begin well in advance of the anticipated first day of public use. The water system needs to be inspected, maintenance/repair work performed, disinfected, and sampled for water quality prior to opening day. Sometimes the disinfection and sampling procedures must be performed more than once if coliform bacteria or other contamination is found to be present in the first round of sampling. Leave yourself plenty of time to repeat these procedures, if necessary, before opening day arrives.

Inspection of Water System

This is an extremely important aspect of start-up. The water system has been idle for several months and many items may not be found as they were left during shutdowns.

1. **Drilled Wells**
 - a. Ensure that the sanitary radius of the well has not been compromised. The radial distance varies with well production and is based on the pumping rate in gallons per minute of the well minus Public Health Code (DHC) Section 19-13-51d lists radial distances for

DEPARTMENT OF PUBLIC HEALTH – DRINKING WATER SECTION

GUIDANCE DOCUMENT SEASONAL WATER SYSTEM SHUT-DOWN GUIDELINES

Seasonal water systems face unique challenges at the beginning and end of their operating season that other year round water systems do not. Seasonal systems should depressurize and drain their water systems during the winter months when the water systems are not in use, to prevent freezing and damage to water system piping and other components.

Shut-down guidelines are based on a generic water system. Many water systems have different design features and these procedures should be tailored to fit individual public water system's needs. These guidelines are offered as recommended shut-down procedures that should be incorporated into each system's operating procedures. These steps, along with the proper water quality testing, will help ensure the safe delivery of drinking water to the public at the beginning of the operational season. It is recommended that a water system professional perform the seasonal water system shut-down.

Evaluate the system:

- Inspect and evaluate the water system; identify necessary improvements and/or repairs (refer to the DPH – DWS, Guidance Document, Seasonal Water System Start-Up Guidelines for details); and,
- Collect a source meter reading if available.

Storage tanks:

- Drain all water out of the storage tank(s), be sure that drainage is directed away from the well, to avoid ponding around the wellhead;
- Inspect the tank(s) for cracks or other defects and make any necessary repairs; and,
- Inspect the tank(s) overflows and vents, for any openings which would allow for the entrance of foreign matter (rodents, insects or other contaminants). Ensure that vents, overflows and any openings to the tank(s) are adequately screened (24-mesh non-corrodible screen) or sealed off to prevent the entrance of insects, vermin or other contaminants during the winter months.

Pressure tanks:

- Drain the pressure tank(s) according to the manufacturer's instructions when not in use.

Shut down the source(s):

- Protect the source(s), equipment and structures: from freezing, vandalism, vermin, flooding, severe weather, etc;
- Be sure that the well is equipped with a proper watertight well cap, and that the well vent is adequately shielded and screened (24-mesh non-corrodible screen), and meets

For use with seasonal Food Service Establishments / Campgrounds, etc.

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What's New

January 25, 2011

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Department of Public Health
410 Capitol Avenue
Hartford, CT 06134

Phone:
(860) 509-8000

[Directions](#)



H.I.P.A.A NOTICE

Water Fluoridation Fact Sheet & Notification of Proposed Changes to the Standards & Guidelines of Fluoride in Drinking Water

The Connecticut Department of Public Health Drinking Water Section (DWS) wishes to inform Public Water Systems (PWSs) in Connecticut that use a fluoride additive in their water systems of a recent announcement by the United States Department of Health & Human Services (HHS) and the United States Environmental Protection Agency (EPA). This announcement by HHS and EPA on proposed changes to the standards and guidelines of fluoride in drinking water can be found at <http://www.hhs.gov/news/press/2011pres/01/20110107a.html>.

In the interim, PWSs should continue to maintain their fluoridated water systems in accordance with the current Connecticut statute and regulations, which require an operating range of between 0.8 mg/l and 1.2 mg/l of fluoride. The DWS will be monitoring changes made by HHS & EPA and will update PWSs of any changes to fluoride standards and guidelines when they go in effect or if new information on the proposed changes is announced. Information on water fluoridation in Connecticut can be found [here](#).

January 18, 2011

Updated Water Quality Monitoring Schedules - [Click here](#) to view your schedule.

December 17, 2010

Training Opportunity Announcement

FEMA and the Water Environment Federation (WEF) is offering a free two-day Water Sector Interdependencies General Awareness training to be held January 18-19, 2011 in New Haven, CT. The workshop is open to those who work within the water sector and 9.5 Training Contact Hours (TCH) will be provided for drinking water operator license renewals for attending this workshop. [Click here](#)

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Forms and Applications

Drinking Water Section standard forms and applications:

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H.I.P.A.A NOTICE

- [Bulk Water Hauling Notification](#)
- [Certificate of Public Convenience and Necessity \(CPCN\)](#)
- [Certification Form for Consumer Notification of Lead Tap Monitoring](#)
- [Contact Update](#)
- [General Application](#)
- [Filter Backwash Recycling Rule](#)
- [Notification Form to Confirm Compliance with Sections 19-13-B46 & 19-13-B102 of the Regulations of Connecticut State Agencies \(RCSA\)](#)
- [Operator Verification](#)
- [Operator Contact Update](#)
- [Sampling Site Plan](#)
- [Sale of Excess Water Permit](#)
- [School Water System Project Evaluation](#)
- [Source Abandonment](#)
- [Transient Non-Community Public Water Systems Public Water System Information](#)
- [Water Company Land Permit Application \(doc\)](#)
- [Water Main Application and Standards](#)
- [Water Treatment Plant Classification](#)
- [Water Quality Monitoring and Reporting](#)
- [Watershed or Aquifer Area Project Notification](#)
- [Well Site Approval](#)

General Application

This general application form must be completed & submitted to the Drinking Water Section along with any project or application that requires an approval or

Questions, Comments, Concerns ... ???

THANK YOU, HAVE A GREAT DAY!

Tiziana C. Shea
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Information Systems Unit
CT DPH DWS

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