



ATCAVE 2011

REVISED **Guidance Document:
Presence of Total Coliform Bacteria
or E.Coli/Fecal Coliforms in the Water
Supply**

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&

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Overview

- 💧 Review revisions to guidance document
- 💧 Review related guidance documents on:
 - 💧 *Water Quality/ Water Supply Emergencies at Food Establishments*
 - 💧 *Interim Measures*
- 💧 *Bulk Water Hauling as an Interim Alternate Water Supply*
 - 💧 *Guidelines for Reopening of Food Establishments after a Water Emergency*

Updated Guidance Document

... and associated fact sheet is posted on Drinking Water Section (DWS) website

... is posted on Connecticut Environmental Health Association website





Updated Guidance Document

Various scenarios

- ◆ Food Service Establishment (FSE) is served by on-site well and owns property
- ◆ FSE is served by on-site well but does not own property
- ◆ FSE is served by community (“municipal”) Public Water System (PWS)

Roles:

- ◆ Drinking Water Section (DWS)
- ◆ Food Protection Program (FPP)
- ◆ Local Health Department (LHD)
- ◆ Food Service Establishment
- ◆ Public Water System (PWS) Owner

What do we do when.....

- 💧 LHD is notified that an FSE has a sample result that is positive for total coliform?
- 💧 LHD is notified that an FSE has a confirmed maximum contaminant level violation for total coliform (*no* fecal/E.coli)?
- 💧 LHD is notified that an FSE is positive for fecal/E.coli?
- 💧 LHD is notified that an FSE has a confirmed maximum contaminant level violation for fecal/E.coli?

When an FSE has an initial total coliform positive sample (E.coli negative) but no confirmation...

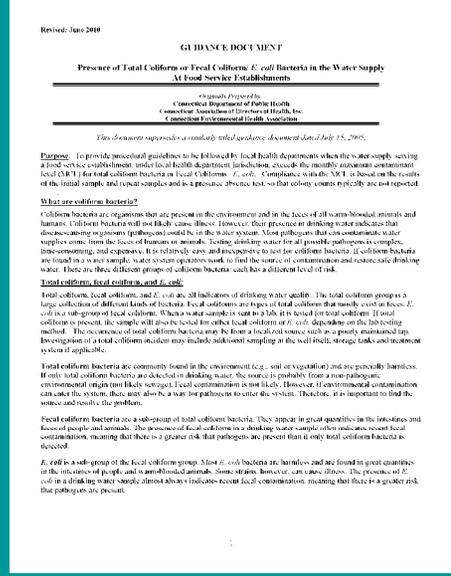
- 💧 It's up to the LHD...nothing required by regulation
- 💧 It is recommended that you wait for confirmation sample results
- 💧 **DO NOT ADVISE THEM TO CHLORINATE UNTIL CONFIRMATION SAMPLES ARE COLLECTED!!!**
- 💧 Dust off your action plan, contact list, interim measures and guidance document

When an FSE has an initial sample positive for E. coli but no confirmation...

- 💧 Still up to the LHD, nothing required by regulation...
- 💧 Confirmation samples still must be collected before the system is chlorinated.

The confirmation samples indicate it's an MCL, now what?

💧 First, read the “**Presence of Total Coliform Bacteria or E.coli in the Water Supply at Food Service Establishments Guidance Document**”



LHD Actions for MCL Violations (Highlights)

For Total Coliform MCL violations (No E.coli):

- 💧 No orders/precautions are required unless the director of health deems it necessary
- 💧 *This is a change from previous versions of the guidance document*
- 💧 *Recommend you make sure the required Public Notice are posted*
- 💧 *With any bacterial MCL violation, it is helpful if LHD can take photos of well/water system components and email to DPH DWS and also refer to last sanitary survey report*



LHD and DWS Actions for MCL Violations (Highlights)

For E.coli MCL Violations:

LHD:

- 💧 Order interim provision of an alternative source of approved water supply, modify operation (protective measures), or close the FSE if interim measures cannot be instituted.

DWS:

- 💧 DPH-DWS goal is to immediately start working with the water system to ensure that corrective measures are being undertaken.

A note on larger systems

- 💧 E.coli violations can occur at larger (municipal) water systems also
- 💧 Interim provisions would also apply in this scenario
- 💧 Challenge would lie in mass notification and inspection of all FSE's so you should have a plan ahead of time
- 💧 DPH-FPP and DPH-DWS will provide technical assistance

Inspection

- 💧 DPH DWS goal is to inspect the FSE water system as soon as feasible and will notify LHD when we will be there.
- 💧 We copy LHD on any Incident Reports issued.
- 💧 LHD inspection should also determine the ability of the FSE operation to continue full or restricted operations without the use of the contaminated well water supply.

Consult with DPH

- 💧 DWS may have previous inspection reports for most PWSs which may help to identify any necessary corrective actions.
- 💧 Inspection (sanitary survey) reports are sent to water system owner, operator (if applicable) and LHD. Call or email us if you need a copy of last survey report.
- 💧 Water systems are inspected by DWS every 3 to 5 years.

If treatment is being installed as a result of bacteria problems at an FSE

- 💧 Communication/coordination between LHD and DWS is key. FPP may also be involved.
- 💧 Review of treatment proposals will be prioritized within DWS.

Community Public Water Service

- 💧 Where community public water service is readily available, FSEs that have contaminated well water or significant B51 violations should be strongly encouraged to interconnect.
- 💧 In some cases, it may be warranted to order that the FSE obtain community public water service (i.e. where B51 violations cannot be corrected)



Food Protection Program Presentation



Water Quality Concerns at FSEs

- Notification
- Evaluation
- Determination

Interim Measures

- Commercial bottled water in unopened containers
- A direct connection to an approved public water supply



Guidelines For Reopening

Operator must verify that the following procedures have been completed:

- System flushed
- Equipment with waterline connections must be cleaned and sanitized
- All other food contact surfaces have been cleaned and sanitized
- Water treatment systems have been assessed

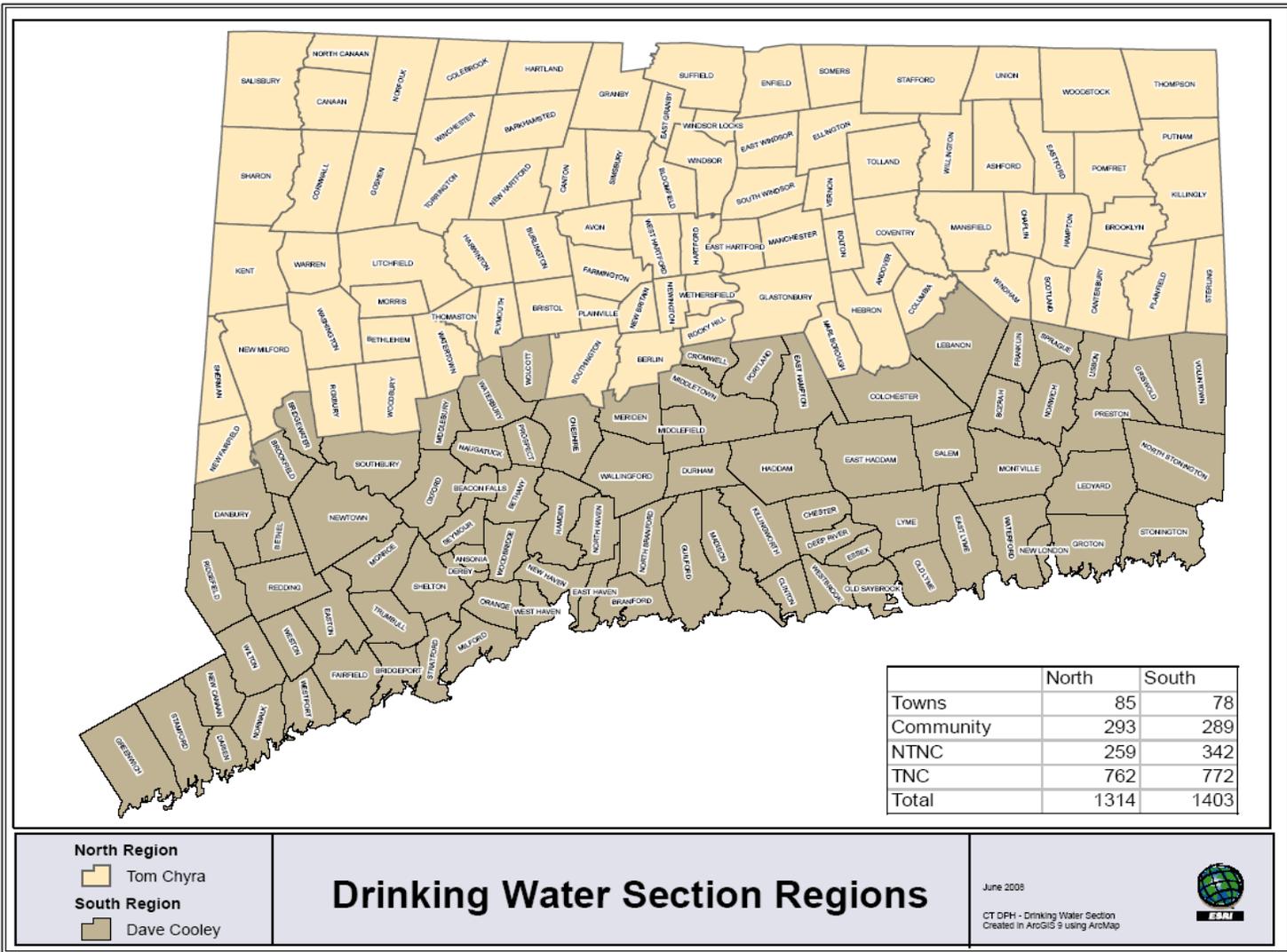


Guidance Documents

- 💧 Overview on LHD response
- 💧 Detailed guidance
- 💧 Guidance for reopening
- 💧 Sample order
- 💧 Signs

Compliance Contact Information

- 💧 David Cooley and Thomas Chyra are the Supervisors for the Regions
- 💧 Emailing digital photos if you have questions is very helpful
- 💧 DWS phone number is 860-509-7333
- 💧 E.mail info:
 - 💧 thomas.chyra@ct.gov
 - 💧 david.cooley@ct.gov



Local health portion of DWS website

- 💧 Inventory of PWSs
- 💧 Reports by health department:
 - 💧 MCL violation
 - 💧 M/R violation
 - 💧 Inventory of FSE
- 💧 Forms:
 - 💧 Food service registration form
 - 💧 TNC registration form
- 💧 Guidance Document (Presence of Total Coliform Bacteria at FSE)
- 💧 Various useful Powerpoint presentations



The screenshot shows the Connecticut Department of Public Health website. At the top, there is a navigation bar with the CT.gov logo and the text 'CONNECTICUT DEPARTMENT OF PUBLIC HEALTH'. Below this, there are links for 'ABOUT US', 'PROGRAMS AND SERVICES', 'PUBLICATIONS', 'FORMS', 'CONTACT US', and 'HOW'. On the left side, there is a search bar labeled 'DPH Search:' with a 'GO' button and a link to 'Advanced Search'. Below the search bar is a vertical menu with the following items: 'DRINKING WATER', 'CONTACT INFO', 'FORMS/APPLICATIONS', 'PUBLICATIONS/REPORTS', 'RESOURCES/LINKS', 'LOCAL HEALTH DEPARTMENTS', 'WHAT'S NEW', 'DRINKING WATER TOPICS A-Z', and 'DPH MAIN MENU'. At the bottom left, there is contact information for the Department of Public Health, including the address '410 Capitol Avenue, Hartford, CT 06134', the phone number '(860) 509-8000', and a link for 'Directions'. There are also logos for 'TRIN Connecticut', 'H.I.P.A.A NOTICE', and 'CT-CLIC.com'. The main content area on the right features a section titled 'Local Health' with a paragraph explaining that the site provides access to information on public water systems, including MCL violations and monitoring and reporting (M/R) forms. Below this is a section titled 'Public Water System Classifications and Inventory' with a link to view classifications. The final section is titled 'Maximum Contaminant Level (MCL) and Monitoring and Reporting (M/R) Violations and Food Service Establishment Report' and includes a dropdown menu to 'Choose Local Health Department' and a 'GO' button.

What we covered today...

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- 💧 Review related guidance documents on:
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Additional Info

- 💧 Call or email the DPH DWS at:
(860) 509-7333
- 💧 The DPH FPP is another resource at:
(860) 509-7297
- 💧 We can help you make an assessment if you email digital pictures.
- 💧 Let us know what information DWS can add to our website to aid you in assessing FSEs