



The Metropolitan District
water supply · environmental services · geographic information

**WATER BUREAU
REGULAR MEETING
WEDNESDAY, SEPTEMBER 22, 2021
4:00 PM**

Location

Board Room
District Headquarters
555 Main Street, Hartford

Dial in #: (415)-655-0001;
Access Code: 43808661#
[Meeting Video Link](#)

Commissioners

Adil	Lewis
Buell	Mandyck
DiBella (Ex-Officio)	Pane (VC)
Gardow	Petosky
Holloway	Salemi
Ionno	Sweezy (C)
Kambli	Taylor
Lebeau	

Quorum: 8

1. CALL TO ORDER
2. PUBLIC COMMENTS RELATIVE TO AGENDA ITEMS
3. APPROVAL OF MEETING MINUTES OF JUNE 9, 2021
4. DISCUSSION RE: REVISED LEAD AND COPPER RULE
5. DISCUSSION RE: WATERSHED PROTECTION & NATURAL RESOURCES
6. OPPORTUNITY FOR GENERAL PUBLIC COMMENTS
7. COMMISSIONER COMMENTS & QUESTIONS
8. ADJOURNMENT

LEAD & COPPER RULE REVISION

WATER BUREAU

SEPTEMBER 22, 2021

OVERVIEW

- Lead & Copper Rule - EPA rule implemented in 1991
- Revisions to Lead - Expected Compliance Date – October 16, 2024
- Revised Monitoring and Sampling Requirements
- Water Service Materials Inventory (Utility & Customer)
- Elementary School and Daycare Sampling
- Lead Service Line Replacement
- Customer Communication

REVISED LEAD LEVELS FOR MONITORING

- Maintains Action Level of 15 ppb
- Added Trigger Level of 10 ppb
- If 90th percentile exceeds 10 ppb, requires annual lead sampling, redesign corrosion control, and lead service replacement
- If 90th percentile exceeds 15 ppb, requires all customers notified within 24 hours, implement corrosion control changes, 6 month monitoring, mandatory replace 3 percent per year
- If individual sample exceeds 15 ppb, requires customer notification within 3 days and triggers “Find & Fix”

Year	90 th percentile lead level, ppb	Samples Analyzed
2011	9.3	63 samples
2014	5.1	54 samples
2017	4.0	81 samples
2020	3.0	67 samples

REVISED SAMPLING POPULATION & PROCESS

Tier	Existing LCR	Revised LCR
Tier 1	Single-family, LSL or copper w/lead solder > 1982	Single-family, LSL (5 th liter for lead)
Tier 2	Multi-family, LSL or copper w/lead solder > 1982	Multi-family, LSL (5 th liter for lead)
Tier 3	Copper w/lead solder ≤ 1982	Single-family with galvanized downstream of a previous LSL or gooseneck
Tier 4	other	Single-family, copper plumbing w/lead solder
Tier 5		Single or multi-family with materials representative of the distribution system

100 sample sites required for full monitoring, 50 sample sites required for reduced monitoring (annual or triennial)

WATER SERVICE INVENTORY

REQUIREMENTS

- Identify water service material from water main to curb stop and private side
- Unknowns assumed as lead
- Notify lead and unknown service material properties annually
- Make information available on website

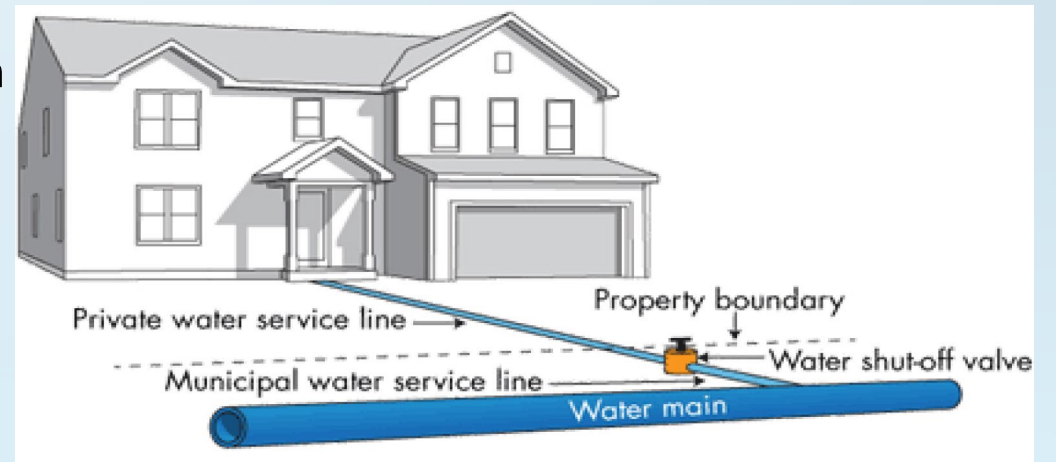


MDC INVENTORY

- Limited potential lead services
- Unknown material in street and private property
- Require customer outreach and inspection
- Verify water service accounts in SAP
- Draw services in SAP, link service card

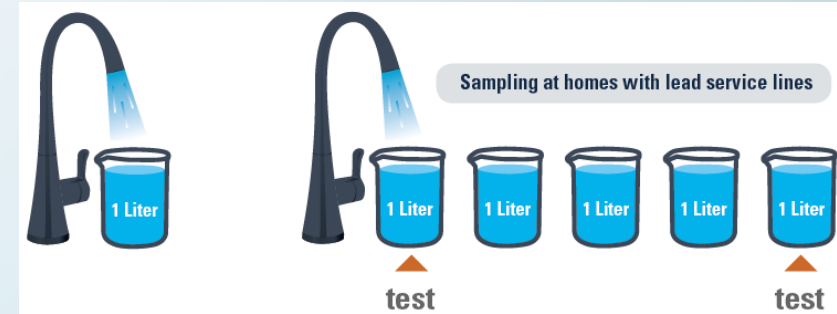
WATER SERVICE INVENTORY/MAPPING BENEFITS

- Water service asset management
- Information available for town paving coordination
- Easier CBYD mark out
- Coordinate unknowns/test pit with meter pit installations
- Verify water service sizes and billing information
- Similar process for sewer services



CUSTOMER COMMUNICATION

- 20% Elementary Schools & Daycares sampled annually for first 5 years
- Sampling process & procedures: 1st liter (copper & lead for non-IsI's)
5th liter lead sample for lead & unknown service lines
- Outreach to lead & unknown service customers annually
- Information to lead & unknown service material customers when curb stop operated
- Lead service line replacement, advance customer notification for renewal and providing filters & follow-up testing for services replaced
- Utility replacement of utility side lead water service within 45 days of customer side lead service



LEAD & COPPER RULE REVISION

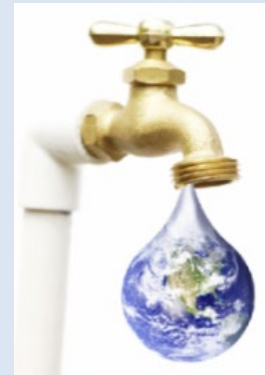
WATER BUREAU

SEPTEMBER 22, 2021

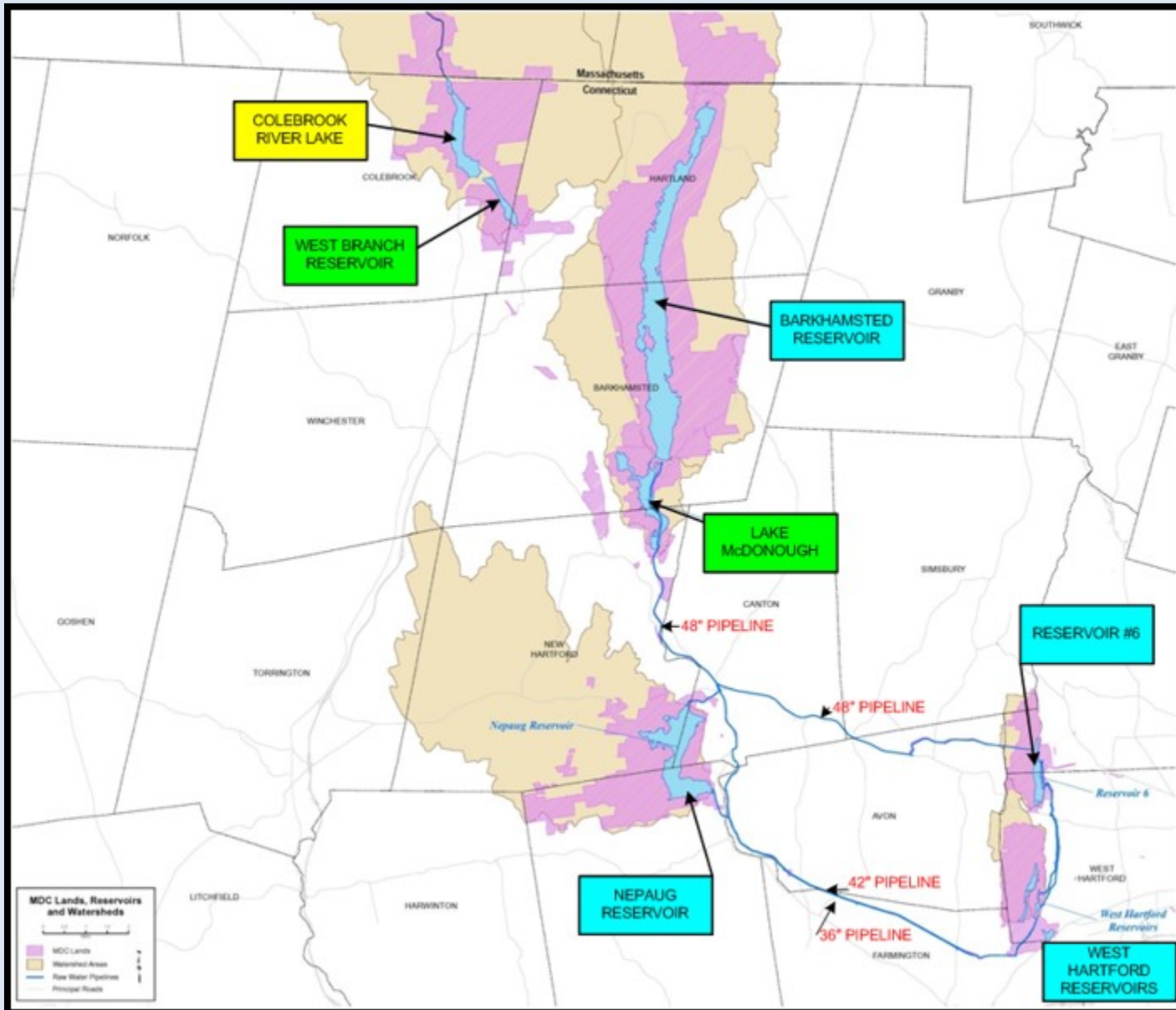


MDC's WATERSHED MANAGEMENT UNIT

- Responsible for protecting and managing over 30,000 acres of MDC lands in both CT and MA that drain to our water supply reservoirs.
- Goal is to provide the cleanest water possible to our water treatment facilities.



MDC'S WATERSHEDS





Source Water Protection

Key Strategic Elements

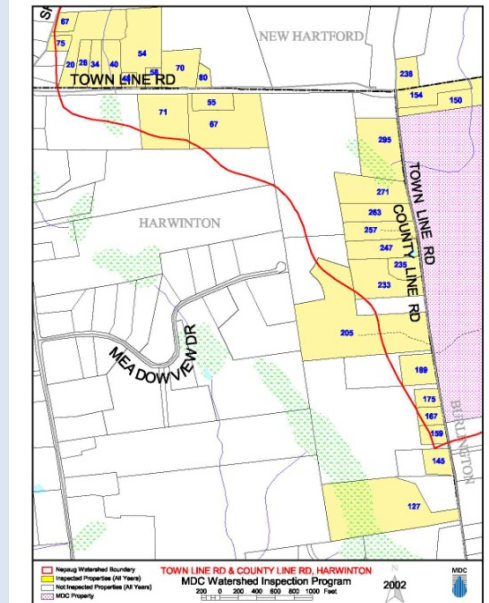
1. Watershed Inspection Program
2. Watershed Forest Management
3. Wildlife Management



STRATEGIC ELEMENT 1

WATERSHED INSPECTION PROGRAM

- **State Regulations** require water utilities to perform annual “*sanitary survey*” inspections of their watershed areas.
- MDC inspects more than 2,700 private properties on its drinking water watersheds in Connecticut and Massachusetts.
- Inspections are performed in the towns of Barkhamsted, Hartland, New Hartford, Burlington, Harwinton, Torrington, Winsted, Avon, Simsbury, Bloomfield and West Hartford, CT; and Tolland and Granville, Massachusetts
- MDC submits annual inspection reports to the Connecticut Department of Public Health and Mass Department of Environmental Protection.



Strategic Element 1

Watershed Inspection Program (cont'd)



Contact:
Nisa Salemi
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MDC ANNUAL WATERSHED INSPECTIONS BEGIN

Property inspections to begin in the towns of Barkhamsted, Hartland, New Hartford, Burlington, Harwinton, Torrington, Winsted, Avon, Simsbury, Bloomfield and West Hartford.

March 8, 2021
For Immediate Release

(HARTFORD, CT) – The Metropolitan District (MDC) will be conducting its state-mandated annual watershed sanitary survey and inspection program beginning this month. The purpose of the program, which will continue through November, is to prevent contamination of the MDC's drinking water supplies as a result of septic system failure, erosion, runoff, and other potential pollutants.

Routine watershed sanitary surveys are required by Section 19-13-B102 (b) of the Connecticut Public Health Code.

Property inspections will take place in the towns of Barkhamsted and Hartland on the Barkhamsted Reservoir watershed, in New Hartford, Burlington, Harwinton, Torrington and Winsted on the Neponset Reservoir watershed, and in the towns of Avon, Simsbury, Bloomfield and West Hartford on the West Hartford Reservoir No. 6 watersheds.

Routine field inspections take only a few minutes and will be conducted by MDC's Watershed Inspector who carries appropriate MDC identification and drives an authorized MDC vehicle. The Inspector does not enter homes; the inspection is limited to the exterior portions of the real property.

If a violation or an issue is detected, it is reported to the property owner and health officials as required by law.

Property owners may receive more information by contacting the MDC Watershed Management Unit, Barkhamsted Water Supply Division at 860-278-7850 extension 3102.

About MDC: The MDC is a nonprofit municipal corporation chartered by the Connecticut General Assembly in 1929. The MDC provides water, wastewater treatment and other services to its member towns: Bloomfield, East Hartford, Hartford, Newington, Rocky Hill, West Hartford, Wethersfield and Windsor. In addition, the District supplies treated water to portions of Glensbury, South Windsor, Farmington, East Granby and Portland.

PLANNING & PUBLIC OUTREACH

January/ February (Planning & Communication)

- Watershed staff prepare a schedule of properties to be inspected in the current year. Required to inspect each property once every two years.
- Meet with town officials as needed to discuss proposed inspection schedule, new development projects and any local watershed concerns.

March (Notification)

- MDC issues a press release notification advising that the property inspections are about to begin.

April (Inspections and Public Outreach)

- MDC begins watershed inspections. Each property owner is given a copy of the "Clean Water and Your Health" informational booklet.



The Metropolitan District

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860-278-7850 x 3105

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Pleasant Valley, CT 06063
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www.themdc.com

Prepared by
The Source Water Protection Committee
of the Connecticut Section of the
American Water Works Association

Strategic Element 1

Watershed Inspection Program (cont'd)



- If a violation is found, the landowner is sent a letter.
- The MDC works closely with the town and local health district to correct the problem.
- Water samples are taken at key locations to monitor changes in water quality.
- MDC maintains two trailers equipped for environmental spill response.



STRATEGIC ELEMENT 2

WATERSHED FOREST MANAGEMENT

- MDC has a large inventory of mature trees.
- The forests need to be regenerated to create a continuous cycle of tree cover over time for protection of water quality.
“Green Infrastructure”
- Timber harvesting is the method used to increase natural regeneration, forest diversity (tree species, sizes and age classes) and the overall health of the forest ecosystem.

Strategic Element 2

Watershed Forest Management (cont'd)



- A well managed, healthy forest is more **resilient** to pests and disturbances, and better able to protect water quality.
- A healthy, diverse forest is better able to withstand a catastrophic event , such as a hurricane, insect or disease infestation.
- Will minimize risk that a single event could destroy the entire forest and degrade soils and water quality.

STRATEGIC ELEMENT 3

WILDLIFE MANAGEMENT



- Deer impact tree regeneration and growth.
- Heavy browse increases the risk of soil erosion and runoff, causing water quality degradation.
- In 2009 Controlled Deer Hunt began with the goal to reduce the deer population to protect regeneration.
- Rules are enforced by MDC Patrol.
- Hunt is administered by CT DEEP Wildlife Division.
- In a typical year a maximum of 150 permits are issued and 50 to 60 deer are harvested.

WILDLIFE MANAGEMENT SUCCESS!



2006



2009



2019