

DEEP's Aquifer Protection Area online training as a learning tool for Watershed Training

November 8, 2022

Presented by Kim Czapla

DEEP's Aquifer Protection Area Program

Watershed Inspector Training



Connecticut Department of Energy and Environmental Protection

Aquifer Protection Area Program

Aquifer Protection Areas (APAs) are land areas that provide ground water to large public water supply wells.

In CT, the Aquifer Protection Area Program is intended to prevent contamination of public drinking water supplies by managing land use activities in critical aquifer protection areas.



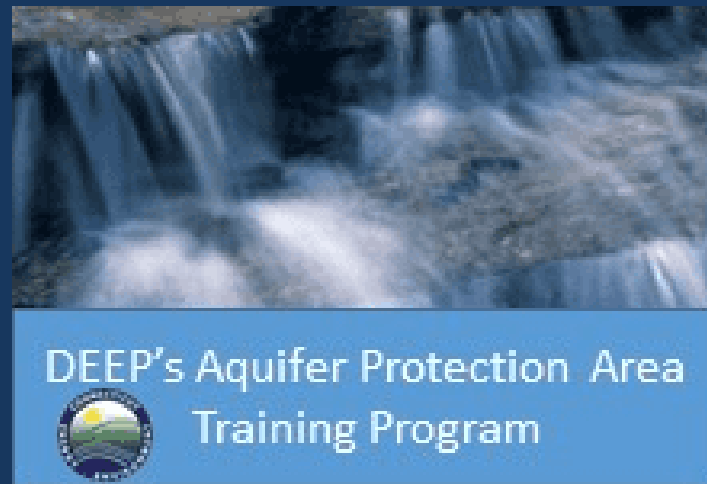
CT DEEP Aquifer Protection Area Program Technical Training

FREE online course was custom built to assist municipal Aquifer Protection Agencies and staff meet the training requirements under the Aquifer Protection Act

Provides an overview of the regulatory requirements for local implementation and instructs agency members and staff responsible for knowing the law and assists them in complying with the law.

The course is open to anyone interested in learning about Connecticut's Aquifer Protection Area Program!

To register, visit https://clear.uconn.edu/training/DEEP_APA_training.htm



Connecticut Department of Energy and Environmental Protection

Training / CT DEEP Aquifer Protection Area Program Technical Training

CT DEEP Aquifer Protection Area Program Technical Training

Who should take this course: municipal aquifer protection agency members & staff, anyone interested in learning about Connecticut's Aquifer Protection Area Program

Format: Online, at your own pace, 13 modules with text, videos, interactive activities, and practice quizzes

Estimated time to complete: 8 hours (Course must be completed within 60 days)

Cost: Free

Description: This course assists municipal Aquifer Protection Agencies and their staff with meeting the training requirements under the Connecticut Aquifer Protection Act. The course (1) provides an overview of the regulatory requirements for local implementation, (2) instructs agency members and staff responsible for knowing the law, and (3) assists them in complying with the law. In Connecticut, many residents rely on groundwater for their drinking water supply, whether it is from private wells or public water supply wells. Groundwater is extracted through wells from underground water sources known as aquifers. Aquifers can provide a clean, safe, reliable source of drinking water now and in the future but are vulnerable to contamination from overlying land use activities. The Aquifer Protection Area Program was developed to protect the state's major public water supply wells in sand and gravel aquifers. This is a proactive program, intended to prevent contamination of public water supplies by managing land use activities in critical aquifer areas. The program is a three-way partnership between the State, water companies and municipalities.

[REGISTER HERE](#) *Look for DEEP Aquifer Protection Area Program Technical Training in the list of courses*

For questions regarding course content, please email DEEP.AquiferProtection@ct.gov.

Technical support: jean.madden-hennessey@uconn.edu



Aquifer Protection Area Program

The training will help you identify violations of the aquifer protection laws.

For sites in APAs, any condition that may result in a release of contaminants to the ground water system is a concern.



Aquifer Protection Area Program

Observations of concern:

- Any spills or releases that may contaminate ground water or evidence of spills such as stained soil, including oil, gasoline, solvents or other contaminants
- Floor drains or other structures that may discharge contaminants directly to the ground





Observations of concern:

- Any release of oil, petroleum products or chemicals from an underground storage tank
- Improperly stored or handled hazardous materials (hazardous materials should be stored inside or under a roof, on an impermeable surface, with containment)



Improper storage of de-icing materials



Connecticut Valley Hospital, Middletown, CT 11/5/2007

Improper storage of de-icing materials



Southbury Training School, Southbury, CT 9/9/2014

Proper storage of de-icing chemicals



CT DOT New Milford Maintenance Facility
July 25, 2017



Staining observed & storm drain – potential for contamination



Auto recycler – leaking vehicles on unpaved area – improper storage



Connecticut Department of Energy and Environmental Protection

Areas of concern – vehicles waiting to be processed on unpaved area near stream



Connecticut Department of Energy and Environmental Protection

Oil or petroleum sheen observed on unpaved area





Good practice = compliance

Storage and containment violations



Connecticut Department of Energy and Environmental Protection

Proper storage and containment



Connecticut Department of Energy and Environmental Protection

Dumpsters – should be on paved surface and always covered



Dumpsters on gravel pose threat to groundwater

DPH has guidance on dumpsters



Spill observed in APA



York Correctional Institute, Release in Stream
P. Wilde – May 9, 2014



Connecticut Department of Energy and Environmental Protection



Report an Environmental Emergency to DEEP


If you are involved in or witness an environmental emergency, call DEEP's *Emergency Response Unit* 24 hours a day at **866-DEP-SPIL (866-337-7745)** or **860-424-3338**. (Should these numbers be unavailable for any reason, call **860-424-3333**.)



Connecticut Department of Energy and Environmental Protection

What would you rather drink?





Thank you
for working to
protect our drinking
water!



Connecticut Department of Energy and Environmental Protection



Contact information:

Kim Czapla

DEEP's Aquifer Protection Area Program

Kim.Czapla@ct.gov

860424-3335

www.ct.gov/deep/aquiferprotection



Connecticut Department of Energy and Environmental Protection