GUIDELINES FOR THE DESIGN AND OPERATION OF PUBLIC WATER SYSTEM TREATMENT, WORKS, AND SOURCES

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH
WATER SUPPLIES SECTION

GUIDELINES.DOC

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PURPOSE

In accordance with Connecticut General Statute (CGS) 25-32 (g)(2), the Department has statutory responsibility to adopt guidelines for the design and operation of treatment works and water sources. The purpose of these guidelines is to provide review criteria to be utilized by staff at the Department as the basis for the approval of water supply projects.

The objective and responsibility of the Department's review is to protect the public health by ensuring that drinking water facility construction and operations are in compliance with applicable Connecticut Public Health Code Regulations, Connecticut General Statutes, and other accepted standards. The Guidelines in addition to providing practical engineering design standards, include statutory regulatory requirements that must be complied with and are legally enforced. Any deviation from the non-regulatory requirements in the Guidelines must be satisfactorily justified and approved in advance by the Department.

IMPLEMENTATION AND USE

The guidelines will be used by the reviewer within the Department as the basis for approval of water supply projects pursuant to Section 25-33(b) of the Connecticut General Statutes (CGS). Public water systems and their consultants or representatives should be familiar with the guidelines and must take them into consideration when plans and specifications are prepared for the Department's review and approval. Regulatory reference within the guidelines supersede any other non-regulatory references, and when the references are inconsistent then the regulatory references, those that are in red color, prevail. The guidelines will be implemented as follows:

1) Regulatory references, those that are in red such as CGS and Public Health Code (PHC), are required for all water supply projects and must be complied with.
2) The joint regulations references, those that are in blue such as 16-262m regulations, are required for all certificates of public convenience and necessity projects, and are to be used as non-regulatory references for all other projects.
3) Non-regulatory references, those that are in black, are guidelines that should be met but can be deviated from, if necessary, when a satisfactory justification is made and accepted in advance by the Department.

Department as used throughout this document means the Department of Public Health (DPH).

DISCLAIMER

It must be noted that approvals by the Department may be revoked if additional information supports the action by the Department. When warranted, Department reviews and approvals may deviate from the non-regulatory references within these guidelines. Details within the guidelines are for illustrative purposes only. Mention of trade names or commercial products does not constitute endorsement or recommendation for use. Portions of this document may become outdated or invalid as new regulations or references are adopted by the Department.

REFERENCES

References cited in these guidelines are reproduced verbatim as they were written at the time this document was published. The references in this document are taken from the following sources:

- Connecticut General Statues (CGS) – Regulatory References*
- Connecticut Public Health Code (PHC) – Regulatory References*
- Joint DPUC/DPH Regulations (16-262m-1 to 9) – Regulatory References for Certificate Projects
- Recommended Standards for Water Works (RSWW), 1997 – Non-regulatory References
- American Water Works Association (AWWA) – Non-regulatory References
- Well Drilling Code (WDC) Connecticut General Statutes Chapter 182 – Non-regulatory References**
- Water Supplies Section (WSS) Guidance Documents (GD) – Non-regulatory References
- WSS Recommended Procedures (RP) – Non-regulatory References
- WSS Regulation Clarifications (RC) – Non-regulatory References
- National Sanitation Foundation (NSF) – Non-regulatory References
- EPA Publications (EPA) – Non-regulatory References

* "Regulatory Reference" refers to regulations and Connecticut General Statutes for which the Department of Public Health is directly responsible for enforcing.

** For the purpose of this document, the WDC is referred to as a "Non-regulatory Reference".

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