

KILLINGLY BOARD of EDUCATION
REQUEST FOR QUALIFICATIONS / PROPOSALS
FOR
OPERATION and MAINTENANCE
of the
KILLINGLY HIGH SCHOOLS
PUBLIC WATER SYSTEM
226 PUTNAM PIKE
KILLINGLY CT

Robert Angeli Superintendent

February 2023

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ON BEHALF of the
KILLINGLY BOARD of EDUCATION

KILLINGLY ENGINEERING DEPARTMENT

REQUEST FOR QUALIFICATIONS / PROPOSALS
For
OPERATION and MAINTENANCE
of the
KILLINGLY HIGH SCHOOLS
PUBLIC WATER SYSTEM

Background:

The Killingly High School Located at 226 Putnam Pike in Killingly CT utilizes two drilled wells and a treatment system to supply the schools potable water needs for approximately 1,500 +/- occupants.

This RFQ/RFP is looking for companies licensed in the State of Connecticut to provide a Qualification package and a Proposal to Operate and Maintain the existing drinking water system. A price for these services on the attached BID SHEETS must be included with your submittal in a separate sealed envelope clearly marked "PRICE for REQUEST FOR PROPOSALS FOR OPERATION and MAINTENANCE of the KILLINGLY HIGH SCHOOLS PUBLIC WATER SYSTEM" The term of the initial proposal will be for five (5) years. The sealed "Price" envelope will not be opened until after a company is selected.

A mandatory site walk will be held on **February 15, 2023 at 2:00 PM**. All persons attending must go the High School Main Office at 226 Putnam Pike to sign in.

Any questions must be submitted in writing to the Town Engineer before **2:00 PM February 22, 2023**. Any response or addendum will be issued by **5:00 PM February 24, 2023**.

The RFQ/RFP will be received by the office of the Town Engineer located in the Killingly Town Hall 172 Main Street until **2:00 PM March 1, 2023**. At which time they will be opened and read aloud in the Town Meeting Room on the second floor of the Killingly Town Hall.

RFQ

The RFQ must contain at a minimum:

- The qualifications of all the staff involved in the project
- A list of references and similar projects
- State or Federal licensing /registration of the Company
- Certificate of Insurance

- Licensing of the staff

RFP

The RFP must contain at a minimum:

A. Baseline System Inspection, Operating & Maintenance Services

- Develop a scope of work to operate and maintain the existing drinking water system while achieving and maintaining compliance with the State of Connecticut Department of Public Health Requirements and any other Local/State or Federal Regulations
 - Provide at a minimum one CT Certified Chief Operator Grade T2/D2 and two subordinate CT Certified Operators Grade T1/D1.
 - Number of days on-site (provide a site visit schedule)
 - Operation & inspection of all equipment and systems
 - Routine mechanical/electrical/instrumentation maintenance & minor repairs
 - Maintain and store comprehensive system maintenance, calibration, and reporting logs
 - Maintain and store field data logs of key operating data including operating pressures, well water levels, pH, flow, chemical usage and ordering, etc.
 - Provide all consumable materials and components including but not limited to sodium hypochlorite (4-log chlorination) filter bags, pH buffer solutions, gaskets, lubricants, lamps, and any other components necessary to maintain the proper functioning of the system
 - Review water quality data, investigate any operational or functional problems and perform any corrective action. If corrective action exceeds \$2,000 receive authorization prior to proceeding.
 - Periodic makeup and replenishment of treatment chemistry
 - Calibration of pH sensors and other equipment per manufacturers recommendations and industry standards
 - Monthly individual curb stop shut off and re-opening to accommodate residential occupancy
 - Collection and delivery to a certified laboratory of water samples for bacteria, water quality parameters including lead & copper monitoring and any other sampling, analysis and or monitoring as required by CTDPH or another agency

B. Regulatory Compliance

- Provide a regulatory compliance manager
- Execution of required water sampling and analysis and reporting
- Preparation of a complete monitoring plan including parameters, scheduling, and reporting
- Laboratory analysis by a CTDPH/USEPA Certified Laboratory for bacteria, lead & copper and other required parameters
- Additional operational water quality sample collection and analysis as needed, required, or requested by the Town or the Board of Education (BOE)
- Quality control of all samples and analytical data
- Data logging of all monitoring, data collection, system performance and water quality. Identify and take corrective action as needed

- Prepare and submit monthly, quarterly, and annual water quality reports (or others as required) to CTDPH and Killingly Public Schools Operations and Maintenance. This includes but is not limited to the following:
 - Monthly /Compliance Water Quality Reports
 - Bi-Annual Water Quality Reports
 - Annual-Cross Connection Report
 - Monthly RMS System Operational Summary Report
 - 4-Log Chlorination Reports
 - Monthly Groundwater Rule Report
 - Quarterly Table 3 & Table 9 Reports
 - Quarterly Table 14 (DBP) Report
- Preparation and submittal of comprehensive annual report regarding water quality, system supply and operation, problems, and corrective action
- Participation in Sanitary Surveys and other regulatory agency inspections
- Respond to any Regulatory Agency correspondence, requests, and directives
- Prepare, submit, and distribute the annual consumer confidence report

C. Periodic & Annual System Maintenance

- Annual flushing, pressure testing and hydrant testing (if applicable) of the water distribution system
- Provide, perform, and execute disinfection if necessary
- Develop and execute a curb stop exercising plan. Access to the curb stops may require additional procedures which shall be included in the plan
- Annual metering pump maintenance per manufacturers specifications including diaphragm and seal replacement
- Annual backflow preventer testing & test report preparation and submittal
- Annual inspections of pumps, day tanks, agitators, instruments, and other equipment etc.
- Annual distribution isolation and flush valve exercising including testing

D. REMOTE MONITORING SYSTEM (RMS)

- Provide and maintain remote monitoring system service
- The Main Control Panel has the capabilities of an audible and visual alarm. The operator interface shall be configured to display any alarms required for the efficient operation of the system including but not limited to Chlorine level
- Provide any system maintenance, software and any equipment updates including general maintenance of the data management and logging system

E. TECHNICAL SUPPORT and EMERGENCY ON CALL SERVICES

- List professional engineers, hydrologists, water quality chemists, laboratories, certified water operators, field staff and their qualifications available for this project
- List fee structure for Technical Support, Emergency Services and other on call services

F. SCHEDULE of ACTIVITIES

- Provide a schedule of activities for the term of the agreement

G. RECOMMENDATIONS for IMPROVEMENTS with COST ESTIMATE

- Provide recommendations (if any) for modifications or improvements to the existing equipment, facility or structures complete with a cost estimate and timeline for completion

GENERAL COMMENTS:

The Town and the BOE must be copied on all correspondence and data/report submittals. All data obtained and equipment installed during the term of this agreement remains the property of the Town / BOE at the end of any agreement.

All electrical costs will be paid by the BOE.

BID SHEET YEAR 1

<u>Item</u>	<u>DESCRIPTION</u>
A	Baseline System Inspection, Operating & Maintenance Services

Price in numbers _____

Price in words _____

B	Regulatory Compliance
----------	------------------------------

Price in numbers _____

Price in words _____

C	Periodic & Annual System Maintenance
----------	---

Price in numbers _____

Price in words _____

D	Remote Monitoring System (RMS)
----------	---------------------------------------

Price in numbers _____

Price in words _____

E	Technical Support & Emergency on Call Services
----------	---

Price in numbers _____

Price in words _____

BID SHEET YEAR 1 CONTINUED

F **Schedule of Activities**

Price in numbers _____

Price in words _____

G **Recommendations for Improvements with Cost Estimates**

Price in numbers _____

Price in words _____

Year 1 Total of Items A through G

Price in numbers _____

Price in words _____

BID SHEET YEAR 2

<u>Item</u>	<u>DESCRIPTION</u>
A	Baseline System Inspection, Operating & Maintenance Services

Price in numbers _____

Price in words _____

B	Regulatory Compliance
----------	------------------------------

Price in numbers _____

Price in words _____

C	Periodic & Annual System Maintenance
----------	---

Price in numbers _____

Price in words _____

D	Remote Monitoring System (RMS)
----------	---------------------------------------

Price in numbers _____

Price in words _____

E	Technical Support & Emergency on Call Services
----------	---

Price in numbers _____

Price in words _____

BID SHEET YEAR 2 CONTINUED

F **Schedule of Activities**

Price in numbers _____

Price in words _____

G **Recommendations for Improvements with Cost Estimates**

Price in numbers _____

Price in words _____

Year 2 Total of Items A through G

Price in numbers _____

Price in words _____

BID SHEET YEAR 3

<u>Item</u>	<u>DESCRIPTION</u>
A	Baseline System Inspection, Operating & Maintenance Services
Price in numbers	_____
Price in words	_____
B	Regulatory Compliance
Price in numbers	_____
Price in words	_____
C	Periodic & Annual System Maintenance
Price in numbers	_____
Price in words	_____
D	Remote Monitoring System (RMS)
Price in numbers	_____
Price in words	_____
E	Technical Support & Emergency on Call Services
Price in numbers	_____
Price in words	_____

BID SHEET YEAR 3 CONTINUED

F **Schedule of Activities**

Price in numbers _____

Price in words _____

G **Recommendations for Improvements with Cost Estimates**

Price in numbers _____

Price in words _____

Year 3 Total of Items A through G

Price in numbers _____

Price in words _____

BID SHEET YEAR 4

<u>Item</u>	<u>DESCRIPTION</u>
A	Baseline System Inspection, Operating & Maintenance Services

Price in numbers _____

Price in words _____

B	Regulatory Compliance
----------	------------------------------

Price in numbers _____

Price in words _____

C	Periodic & Annual System Maintenance
----------	---

Price in numbers _____

Price in words _____

D	Remote Monitoring System (RMS)
----------	---------------------------------------

Price in numbers _____

Price in words _____

E	Technical Support & Emergency on Call Services
----------	---

Price in numbers _____

Price in words _____

BID SHEET YEAR 4 CONTINUED

F **Schedule of Activities**

Price in numbers _____

Price in words _____

G **Recommendations for Improvements with Cost Estimates**

Price in numbers _____

Price in words _____

Year 4 Total of Items A through G

Price in numbers _____

Price in words _____

BID SHEET YEAR 5

<u>Item</u>	<u>DESCRIPTION</u>
A	Baseline System Inspection, Operating & Maintenance Services

Price in numbers _____

Price in words _____

B	Regulatory Compliance
----------	------------------------------

Price in numbers _____

Price in words _____

C	Periodic & Annual System Maintenance
----------	---

Price in numbers _____

Price in words _____

D	Remote Monitoring System (RMS)
----------	---------------------------------------

Price in numbers _____

Price in words _____

E	Technical Support & Emergency on Call Services
----------	---

Price in numbers _____

Price in words _____

BID SHEET YEAR 5 CONTINUED

F Schedule of Activities

Price in numbers _____

Price in words _____

G Recommendations for Improvements with Cost Estimates

Price in numbers _____

Price in words _____

Year 5 Total of Items A through G

Price in numbers _____

Price in words _____

Year 1 through 5 Total of Items A through G

Price in numbers _____

Price in words _____

Deliverables

1. **Six (6)** copies of the RFQ must be submitted in sealed envelopes marked “RFQ for OPERATION and MAINTENANCE of the KILLINGLY HIGH SHOOOLS PUBLIC WATER SYSTEM”
2. **Six (6)** copies of the RFP describing the proposal for items A through G must be submitted in sperate sealed envelopes marked “RFP for OPERATION and MAINTENANCE of the KILLINGLY HIGH SHOOOLS PUBLIC WATER SYSTEM”
3. **Six (6)** copies of the BID SHEETS (Years 1 through 5) must be submitted in separate sealed envelopes marked “PRICE for REQUEST FOR PROPOSALS FOR OPERATION and MAINTENANCE of the KILLINGLY HIGH SCHOOLS PUBLIC WATER SYSTEM”

Award

The RFQ's will be examined by the review panel and the top 3 applicants will be interviewed to go over their proposal. Once the interviews have been completed the review panel will make their selection. At which time the selected applicants price envelope will be opened. The BOE will examine the price proposal and may enter into an agreement with the applicant or enter negotiations to refine costs or scope of work. If an agreement cannot be reached the same process will repeat with the next applicant.

The BOE reserve the right to accept or reject any proposal in part or in whole when it is deemed to be in the best interest of the BOE.

The BOE is an equal opportunity employer.

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH



Renée D. Coleman-Mitchell, MPH
Commissioner

Ned Lamont
Governor
Susan Bysiewicz
Lt. Governor

Drinking Water Section

May 2, 2019

Ms. Mary Calario
Town of Killingly
Killingly Town Hall
172 Main Street, 2nd Floor
Killingly, CT 06239

PUBLIC WATER SYSTEM: **Killingly High School & Agricultural Ctr**
234 Putnam Pike, Killingly, CT
CLASSIFICATION TYPE: Non-Community Non-Transient
PWSID: **CT0691243**

SUBJECT: **CONSENT ORDER No. DWS-19-069-020**

Dear Ms. Calario:

Enclosed you will find a draft Consent Order that has been prepared to assist Killingly High School & Agricultural Ctr in achieving compliance with the Regulations of Connecticut State Agencies. The Drinking Water Section wants to ensure that proper steps are taken to bring Killingly High School & Agricultural Ctr into compliance. Paragraph 3 of the Consent Order gives Killingly High School & Agricultural Ctr a reasonable schedule to address the violations.

Please review the Consent Order. If you concur with the requirements outlined in the Consent Order, then return the signed original Consent Order to me no later than **May 20, 2019**. If you anticipate any delay in returning the signed document or you have any questions please contact Alison Wilcox at 860-509-7333 or alison.wilcox@ct.gov. Please refer to CT0691243 in all communication with the Department. Thank you for your anticipated cooperation.

Sincerely,

A handwritten signature in blue ink that reads "Gary Johnson".

Gary Johnson
Supervising Environmental Analyst
Enforcement Unit



Phone: (860) 509-7333 • Fax: (860) 509-7359
Telecommunications Relay Service 7-1-1
410 Capitol Avenue, P.O. Box 340308, MS#12DWS
Hartford, Connecticut 06134-0308
www.ct.gov/dph

Affirmative Action/Equal Opportunity Employer



Drinking Water Section

CC: Ms. Susan Starkey, Northeast District Department of Health
Mr. Robert F. Ferrari, Certified Operator
Mr. Paul Mailhot, Killingly Public Schools

STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH

Renée D. Coleman-Mitchell, MPH
Commissioner



Ned Lamont
Governor
Susan Bysiewicz
Lt. Governor

Killingly High School & Agricultural Ctr
Killingly, CT

PWSID: CT0691243

CONSENT ORDER DWS 19-069-020

WHEREAS, the Department of Public Health (hereinafter "the Department") has jurisdiction over all matters concerning the purity and adequacy of public drinking water supplies pursuant to Sections 19a-2a and 19a-36 of Chapter 368a and Sections 25-32 et seq. of Chapter 474 of the Connecticut General Statutes (hereinafter "CGS"); and

WHEREAS, the Department has jurisdiction and authority to issue this Consent Order pursuant to Sections 4-177(c); 19a-2a; 25-32; 25-34, and 25-36 of the CGS; and

WHEREAS, The Town of Killingly (hereinafter "the Respondent") owns and operates a Non-Transient Non-Community public water system (Killingly High School & Agricultural Ctr) in the town of Killingly; and

WHEREAS, this Consent Order embodies the entire agreement of the parties with respect to the subject matter involved herein. All previous communications and agreement with regard to the subject matter of this Consent Order, whether oral or written, between the parties are superseded unless expressly incorporated herein or made a part hereof; and

WHEREAS, the Department and the Respondent agree and understand that pursuant to Section 19-13-B102(j)(14)(B)(iii)(I)(2) of the Regulations of Connecticut State Agencies (RCSA), the Respondent's 4 log disinfection system is to be operated and maintained to provide a continuous disinfection treatment of the ground water system and that a Department approved minimum Residual Disinfectant Concentration (RDC) of 0.5 mg/l must be maintained in daily chlorine residual samples at the point of entry sampling location; and



Phone: (860) 509-7333 • Fax: (860) 509-7359
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410 Capitol Avenue, P.O. Box 340308, MS#12DWS
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Affirmative Action/Equal Opportunity Employer



WHEREAS, the Department and the Respondent agree and understand that the Respondent is required, in accordance with Code of Federal Regulations (C.F.R.) Section 141.403(b)(3)(i)(A) to monitor the residual disinfectant concentration using analytical methods specified in C.F. R. Section 141.74(a)(2) at a location approved by the State, and record the lowest residual disinfection concentration each day that water from the ground water source is served to the public. The Respondent is required to continuously monitor the residual disinfectant concentration. If there is a failure in the continuous monitoring equipment, the Respondent must conduct grab sampling every four (4) hours until the continuous monitoring equipment is returned to service. Respondent must resume continuous residual disinfectant monitoring within fourteen (14) days of the failure in the monitoring equipment; and

WHEREAS, the Department and the Respondent agree and understand that the Respondent failed to maintain a minimum RDC of 0.5 mg/l during the March 12, 2018 to March 21, 2018 time period; and

WHEREAS, the Department and the Respondent agree and understand that the Respondent failed to conduct grab sampling every four (4) hours until the continuous monitoring equipment was returned to service. As a result, the Respondent is in violation of C.F.R. Section 141.403(b)(3)(i)(A) for the period March 1, 2019 to March 31, 2019 and must issue a Tier 3 public notice; and

WHEREAS, the Department and the Respondent agree and understand that the Respondent incurred a treatment technique violation for failure to maintain the approved minimum RDC of 0.5 mg/l every day for the period March 1, 2019 to March 31, 2019. As a result, the Respondent failed to comply with Section 19-13-B102(j)(14)(B) of the RCSA; and

WHEREAS, the Department and the Respondent agree and understand that the Respondent failed to maintain at least 4-log treatment of viruses using inactivation, removal, or a department-approved combination of 4 log virus inactivation and removal before or at the first consumer for a ground water source pursuant to Section 19-13-B102(j)(14)(E)(ii) of the RCSA. As a result, the Respondent is in violation of the treatment technique requirement for failure to correct within 4 hours of determining the ground water system is not maintaining at least 4 log treatment of viruses before or at the first consumer; and

WHEREAS, the Department and the Respondent agree and understand that the Respondent is required to give public notification under Section 19-13-B102(i)(2) of the RCSA for the treatment technique violation; and

WHEREAS, the Department and the Respondent agree and understand that, pursuant to Section 25-32-7a(h) of the RCSA, the Respondents designated Chief Operator shall have an active daily responsibility for the operation and maintenance of this public water system (PWS) and that all decisions concerning the quality and quantity of water for this PWS are to be made by the Chief Operator. This includes any water system operation and/or maintenance activities carried out by non-certified persons and any activities carried out to comply with any Connecticut General Statute or the Regulations of Connecticut State Agencies relative to this PWS; and

WHEREAS, the Department and the Respondent agree and understand that during the period of March 12, 2018 to March 21, 2018 the Chief Operator, Mr. Robert Ferrari failed to maintain active daily responsibility for the operation and maintenance of this PWS; and

WHEREAS, the Department and the Respondent agree and understand that no less than daily site visits by the Chief Operator or their employee shall be performed to assess the operation and maintenance of the water system including the 4 log treatment system and that all daily status, activities, and assessments of the 4 log treatment must be communicated to the Chief Operator; and

WHEREAS, the Department and the Respondent agree and understand that the Chief Operator shall be available, pursuant to Section 25-32-7a(b) of the RCSA, to provide an appropriate response to any alarm of chlorine residual level alarm set points. When the Chief Operator is not available the Respondent shall have another CT DPH Certified Class II or higher Water Treatment Plant Operator take on in the interim direct responsible charge of the water system; and

WHEREAS, the Department and the Respondent agree and understand that staff is to provide immediate notification to the Chief Operator with any chlorine residual alarm; and

WHEREAS, the Department and the Respondent agree and understand that during the period of March 12, 2018 to March 21, 2018 the Chief Operator failed to properly maintain the chlorine residual alarm level set points; and

WHEREAS, the Department and the Respondent agree and understand that the Respondent failed to submit a cross connection survey report for Calendar year 2018 by March 1, 2019 pursuant to Section 19-13-B102(f)(2) of the RCSA. As a result, the Respondent is in violation of Section 19-13-B102(f)(2) of the RCSA; and

WHEREAS, the Respondent and the Department are desirous of addressing the public water system's regulatory noncompliance without further administrative or judicial action.

NOW, THEREFORE, the Drinking Water Section of the Department, acting herein and through Lori Mathieu, its Public Health Section Chief, and the Respondent, acting herein by Mary Calario, it's Town Manager, hereby stipulate and agree as follows:

1. This Consent Order shall have the same force and effect of law as an Order entered as a final decision of the Department.
2. The Respondent, by entering into this Consent Order, waives any rights it may have to an administrative hearing or to otherwise contest or challenge the validity of the provisions of this Consent Order. This Consent Order and terms set forth herein are not subject to reconsideration, collateral attack or judicial review under any legal theory or in any forum. Further, this Consent Order is not subject to appeal or review under the provisions of Chapters 54 or 368a of the General Statutes of Connecticut.
3. The Respondent will achieve and maintain compliance with the requirements of 40 CFR Section 859(a)(1) and Sections 25-32-7a to 25-32-14; 19-13-B102(j)(14) and 19-13-B102(i) of the RCSA in accordance with the following schedule:
 - a. On or before **May 31, 2019**, the Respondent shall verify in writing to the Department that a consultant has been hired to assess the root cause of the 4 log treatment failure and the response time to address the failure, and prepare a report outlining its findings and recommendations to ensure that this failure/incident does not re-occur.

- b. On or before **May 31, 2019**, the Respondent shall comply with Tier 2 Notice requirements for the Treatment Technique violation incurred for failure to maintain the State approved minimum residual disinfectant concentration of 0.5 mg/l. and submit a copy of the completed Tier 2 Notice and Certification Form to the Department (Attachment A)
 - c. On or before **May 31, 2019**, the Respondent shall comply with the Tier 3 Notice requirements for the failure to conduct Groundwater Rule Compliance monitoring and submit a copy of the completed Tier 3 Notice and Certification Form to the Department (Attachment B).
 - d. On or before **May 31, 2019**, the Respondent shall verify in writing to the Department that the 4-log disinfection Treatment system alarm has been modified so that the Respondent's staff is notified of a problem in addition to the certified operator of the system. The Respondent shall confirm in writing that school staff have been notified of the alarms meaning and that the certified operator must be notified immediately.
 - e. On or before **May 31, 2019**, the Respondent shall submit to the Department for review the results of the camera inspection that was conducted on March 25, 2019.
 - f. On or before **June 15, 2019**, the Respondent and the Respondent's certified operator must submit to the Department a signed document (Attachment C) that ensures an understanding of the responsibilities of the Respondent and the certified operator.
 - g. On or before **June 30, 2019**, the Respondent shall submit to the Department for the review the consultant's report required in Item 3a.
 - h. On or before **August 1, 2019**, the Respondent shall verify in writing to the Department that the consultant's recommendations have been implemented.
 - i. On or before **August 1, 2019**, the Respondent shall submit to the Department the Calendar Year 2019 cross connection survey report.
4. The Department shall not pursue penalties or administrative or judicial action against the Respondent for violations of 40 CFR Section 859(a)(1) and Sections 25-32-7a; 19-13-B102(j)(14) and 19-13-B102(i) of the RCSA s set forth herein provided that the Respondent is in compliance with this Consent Order.
 5. The Respondent shall submit to the Department all the documents required by this Consent Order in a complete and approvable form. If the Department notifies the Respondent that any document or other action is deficient, and does not approve it with conditions or modifications, it is deemed disapproved, and the Respondent shall correct the deficiencies and resubmit it within the time specified by the Department in its notice of deficiencies. However, the Department may in its sole discretion elect not to provide the Respondent any opportunity to cure such deficiencies and instead seek remedies for breach of this Consent Order. In approving any

document or other action under this Consent Order, the Department may impose such conditions or modifications as it deems necessary to assure the purity and adequacy of the public water supply. Nothing in this paragraph shall excuse noncompliance or delay in meeting any compliance date specified in this Consent Order.

6. In the event that the Respondent becomes aware that it may not comply in a timely fashion with any requirement of this Consent Order or any other compliance date imposed by the Department hereunder, the Respondent shall immediately notify the Department and shall take all steps necessary to ensure that any noncompliance is avoided. In so notifying the Department, the Respondent shall state in writing the reasons for noncompliance or delay and propose dates by which compliance will be achieved. The Department shall notify the Respondent in writing of any modification of compliance dates in response thereto, and the Respondent shall comply with any dates, which may be specified in writing by the Department. Notification by the Respondent shall not excuse noncompliance or delay, and the Department's approval of any extended compliance date shall not excuse noncompliance or delay with respect to any subsequent compliance date specified in this Consent Order or otherwise imposed by the Department.
7. Except as provided in Paragraphs 5 and 6 this Consent Order may be modified only with the consent of both parties in writing.
8. The Respondent shall not be considered in full compliance with this Consent Order until all actions required by this Consent Order have been completed to the satisfaction of the Department, and the Respondent has achieved compliance with 40 CFR Section 859(a)(1) and Sections 25-32-7a; 19-13-B102(j)(14) and 19-13-B102(i) of the RCSA 9. In carrying out its obligation under this Consent Order, the Respondent shall abide by all requirements of law. Nothing in this Consent Order shall relieve the Respondent of its duty to comply with applicable federal, state and, to the extent local law does not conflict with the requirements of this Consent Order, local law.
9. The Respondent's obligations under this Consent Order shall not be affected by the passage of title to any property to any other person, corporation, municipality or other legal entity. The terms of this Consent Order shall be binding upon and enforceable against the Respondent's successors and assigns.
10. The Respondent has had the opportunity to consult an attorney before signing this Consent Order.
11. The Respondent understands that this Consent Order is a revocable offer of settlement that may be modified by mutual agreement or withdrawn at any time prior to its being signed by the Drinking Water Section Chief or his designee.
12. THIS CONSENT ORDER IS A FINAL ORDER OF THE DEPARTMENT WITH RESPECT TO THE MATTERS ADDRESSED HEREIN AND IS ENFORCEABLE PURSUANT TO CGS 25-36(b). The Department may at any time take any and all legal, administrative and equitable action necessary to assure the purity and adequacy of this public water system, except as agreed to in Paragraph 4. The Department may take any other such action as provided by federal or state law on all matters not covered specifically in this Consent Order. Failure to comply with any provision of this Consent Order may subject the Respondent to a court order pursuant to

Section 25-36(b) and/or fines pursuant to Section 25-37 of the CGS to aid in the enforcement of the provisions of this Consent Order.

IN WITNESS WHEREOF, the parties hereto have caused this Consent Order to be executed by their officers and officials authorized and empowered to act on their behalf. The undersigned representative of the Respondent certifies that he or she is fully authorized to enter into this Consent Order and to legally bind the Respondent to the terms and conditions of this Consent Order.

5/2/2019

Date



By: _____

Lori Mathieu
Public Health Section Chief
Drinking Water Section

Date

By: _____

Mary Calario
Town Manager
Town of Killingly

PUBLIC NOTIFICATION
Important Information About Your Drinking Water

**TREATMENT TECHNIQUE VIOLATION FAILURE TO MEET
MINIMUM TREATMENT REQUIREMENTS**

Este informe contiene información importante acerca de su agua potable. Haga que alguien lo traduzca para usted, o hable con alguien que lo entienda.

Date: _____

To the Customers of: Killingly High School & Agricultural Ctr PWS ID: CT0691243

Compliance Period: March 1, 2019 to March 31, 2019

Our water system recently violated a drinking water treatment requirement. Although this incident was not an emergency, as our customers, you have a right to know what happened and how the situation is being corrected. We are required to treat/disinfect our drinking water by adding chlorine to the water. During the compliance period above, we failed to meet our minimum treatment requirements at the Treatment Plant (WSF ID: 00700). The failure was not corrected within 4 hours of determining that the treatment system was not maintaining the minimum residual chlorine needed to treat viruses before or at the first consumer.

What does this mean?

This is not an emergency. If it had been, you would have been notified within 24 hours. *Inadequately treated or inadequately protected water may contain disease-causing organisms. These organisms can cause symptoms such as diarrhea, nausea, cramps and associated headaches.*

What should I do?

There is nothing you need to do. You do not need to boil your water or take other corrective actions. People at increased risk (i.e. infants, young children, the elderly, and people with severely compromised immune systems) should seek advice from their health care providers about drinking this water. Please consult your physician if you have any other medical questions or concerns.

What is being done?

We expect to return to compliance or resolve the situation by _____
(date)

If you have any questions please contact _____ by phone at _____
or at the following address _____

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

CERTIFICATION OF COMPLIANCE

PUBLIC NOTIFICATION

Public Water System Name: Killingly High School & Agricultural Ctr

Public Water System Town: Killingly

Public Water System ID: CT0691243

Reason for Public Notification: Failure to Maintain Minimum Residual Disinfection Concentration

Compliance Period: March 1, 2019 to March 31, 2019

Water System Facility: Treatment Plant - WSF ID: 00700

Date situation was reported to the Department of Public Health: _____

The public water system indicated above hereby affirms that public notice has been provided to consumers in accordance with the delivery, content, and format requirements of Section 19-13-B102(i) of the Regulations of Connecticut State Agencies.

Methods and Dates of Distribution (check all that apply and indicate date):

Notice Posted on _____

Notice Mailed or Hand Delivered on _____

Notice published in _____ on _____
(newspaper, newsletter, CCR, etc.)

Other Delivery Method: _____ on _____

Signature of Owner or Certified Operator

Date

Note: A copy of the Public Notification delivered to consumers must be included with this Certification of Compliance.

CERTIFICATION OF COMPLIANCE

PUBLIC NOTIFICATION

Public Water System Name: Killingly High School & Agricultural Ctr

Public Water System Town: Killingly

Public Water System ID: CT0691243

Reason for Public Notification: Failure to Conduct Ground Water Rule Compliance Monitoring

Compliance Period: March 1, 2019 to March 31, 2019

Water System Facility: Treatment Plant WSF ID: (00700)

Date situation was reported to the Department of Public Health: _____

The public water system indicated above hereby affirms that public notice has been provided to consumers in accordance with the delivery, content, and format requirements of Section 19-13-B102(i) of the Regulations of Connecticut State Agencies.

Methods and Dates of Distribution (check all that apply and indicate date):

Notice Posted on _____

Notice Mailed or Hand Delivered on _____

Notice published in _____ on _____
(newspaper, newsletter, CCR, etc.)

Other Delivery Method: _____ on _____

Signature of Owner or Certified Operator

Date

PUBLIC NOTIFICATION
Important Information About Your Drinking Water

MONITORING AND REPORTING VIOLATION

Este informe contiene información importante acerca de su agua potable. Haga que alguien lo traduzca para usted, o hable con alguien que lo entienda.

Date: _____

To the Customers of: Killingly High School & Agricultural Ctr PWS ID: CT0691243

Compliance Period: March 1, 2019 to March 31, 2019

Our water system recently violated a drinking water monitoring requirement. Although this incident was not an emergency, as our customers, you have a right to know what happened and how the situation is being corrected. We are required to treat/disinfect our drinking water by adding chlorine to the water and then monitor the amount of chlorine in the water. During the compliance period above, we did not meet our monitoring requirements at WSF ID: 00700 (Treatment Plant).

What should I do?

There is nothing you need to do. You do not need to boil your water or take other corrective actions. You may continue to drink the water. If a situation arises where the water is no longer safe to drink, you will be notified within 24 hours.

What is being done?

We expect to return to compliance or resolve the situation by _____
(date)

If you have any questions please contact _____ by phone at _____ or at the following address _____

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

Attachment C

1. I understand that the Killingly High School & Agricultural Ctr's designated Chief Operator shall have an active daily responsibility for the operation and maintenance of this PWS and that all decisions concerning the quality and quantity of water for this PWS are to be made by the Chief Operator. This includes any water system operation and/or maintenance activities carried out by non-certified persons and any activities carried out to comply with any Connecticut General Statute or the Regulations of Connecticut State Agencies (RCSA) relative to this PWS.
2. I understand that the hypochlorite disinfection system is to be operated and maintained to provide a continuous disinfection treatment of Killingly High School & Agricultural Ctr's well water supply and that a minimum of 0.5 mg/l chlorine residual must be maintained in daily chlorine residual samples at the point of entry sampling location. Operation and maintenance activities shall include and are not limited to the following:
 - a. Maintenance of adequate hypochlorite solution volume,
 - b. Meter readings,
 - c. Field chlorine residual levels,
 - d. Routine verification of chlorine residual auto-dialer alarm settings and alerts,
 - e. Appropriate chemical feed pump settings and maintenance,
 - f. Routine maintenance of chemical feed lines, injection points and probes.
3. I understand that daily site visits by the Chief Operator or their employee shall be performed to assess the operation and maintenance of the Killingly High School & Agricultural Ctr's Public Water System and that all daily status, activities and assessments of the water system be communicated to the Chief Operator.
4. I understand that the Chief Operator shall be available, as defined per RCSA Sec. 25-32-7a(b), to provide an appropriate response to any alarm of chlorine residual level alarm set points so as to comply with item 2. above. When the Chief Operator is not available Killingly High School & Agricultural Ctr shall have another CT DPH Certified Class II or higher Water Treatment Plant Operator take on in the interim direct responsible charge of the Killingly High School & Agricultural Ctr's water system.
5. I understand that Killingly High School staff is to provide immediate notification to the Chief Operator with any chlorine residual alarm. I understand that annual meetings with Killingly High School & Agricultural Ctr's staff and the Chief Operator will be held to discuss and review the meaning of the alarm and notification procedure.

Date: _____

By: _____

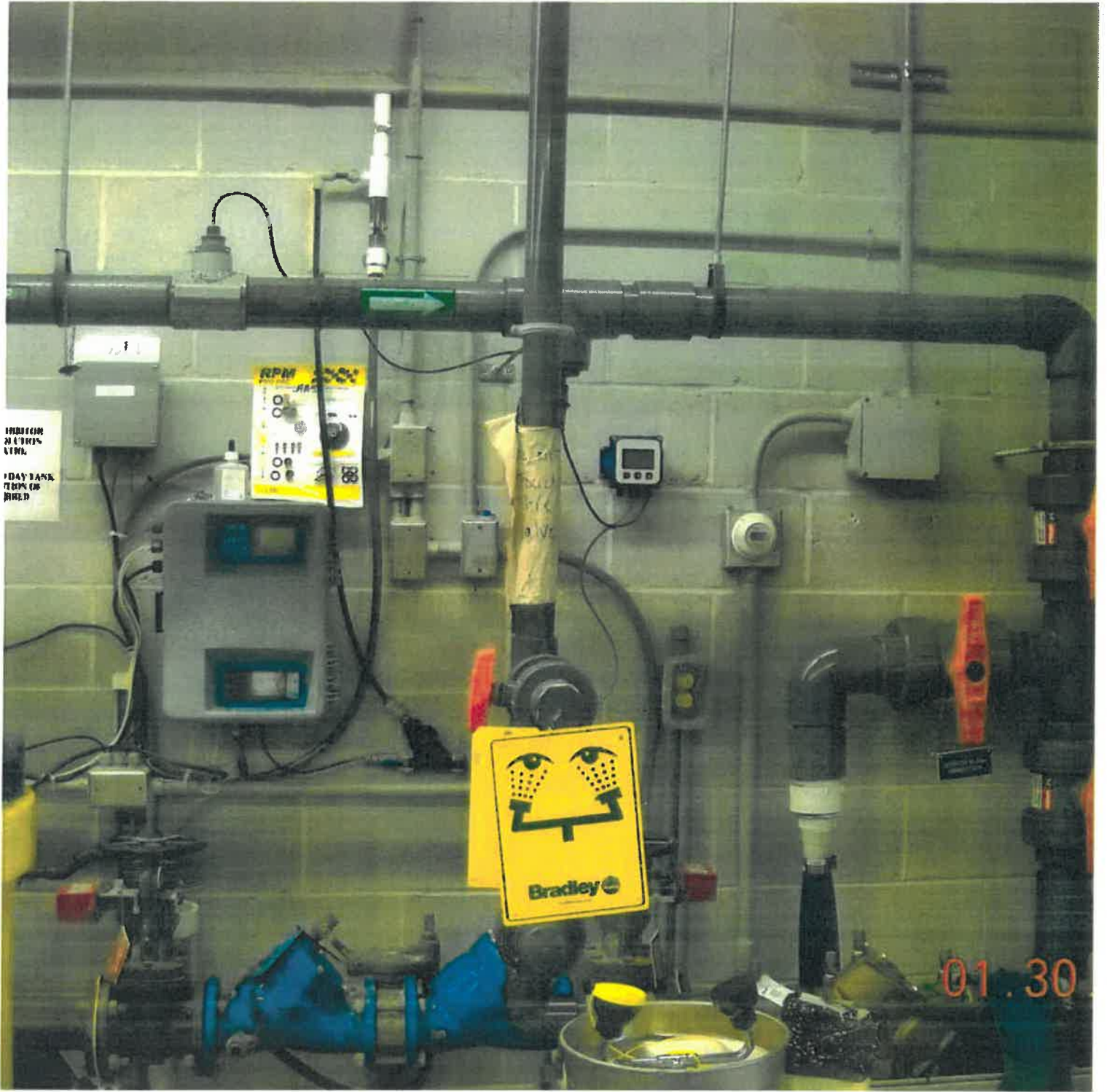
Mary Calario, Town Manager
Town of Killingly

Date: _____

By: _____

Robert Ferrari, Certified Operator Northeast Water
Solutions, Inc.





PROHIBIT
IN A 100%
LTD.

1 DAY BANK
TEMPERATURE
RATED

RPM
100%
100%
100%

Bradley

01.30



01 30



01.30:



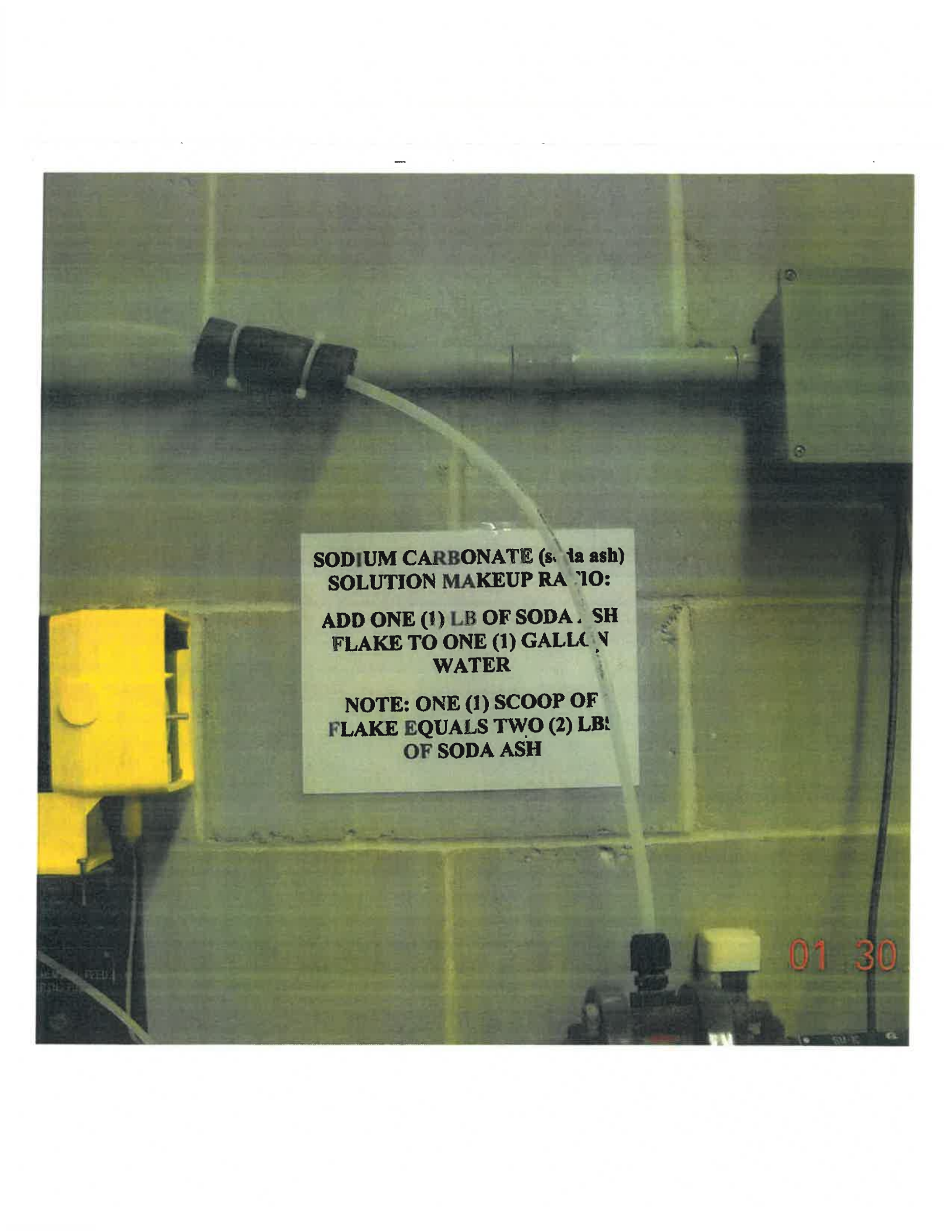


WILLIAMSON
VALVE ENGINEERING PARTS & SERVICE
IN & HIGH WATER ALARM
800-387-9990

331 WFT
STATION
CONTROL
PANEL

POTABLE WATER

01.30

A photograph of a water treatment system. A white sign is mounted on a wall, providing instructions for sodium carbonate solution makeup. A clear plastic tube is connected to a pipe and is dripping water. To the left, there is a yellow electrical box. At the bottom right, there is a red timestamp '01 30' and some mechanical components.

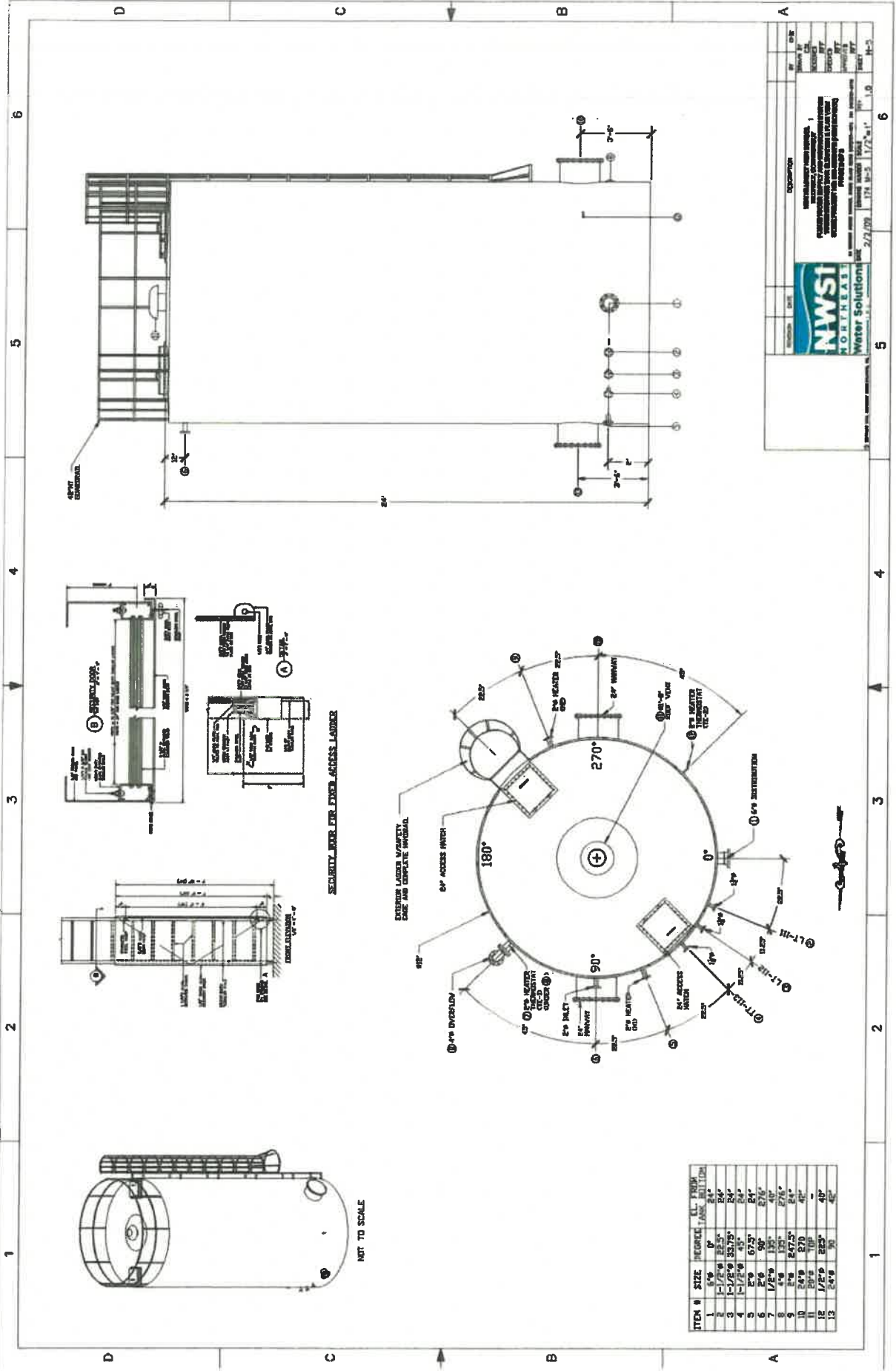
**SODIUM CARBONATE (s. la ash)
SOLUTION MAKEUP RATIO:**

**ADD ONE (1) LB OF SODA ASH
FLAKE TO ONE (1) GALLON
WATER**

**NOTE: ONE (1) SCOOP OF
FLAKE EQUALS TWO (2) LB
OF SODA ASH**

01 30





ITEM #	SIZE	QUANTITY	ALL FINISH
1	6" x 6"	24	24"
2	1-1/2" x 8"	24	24"
3	1-1/2" x 8"	24	24"
4	1-1/2" x 8"	24	24"
5	1-1/2" x 8"	24	24"
6	1-1/2" x 8"	24	24"
7	1-1/2" x 8"	24	24"
8	6" x 8"	24	24"
9	6" x 8"	24	24"
10	6" x 8"	24	24"
11	6" x 8"	24	24"
12	6" x 8"	24	24"
13	6" x 8"	24	24"

NWSI
NORTHWEST SOLUTIONS
Water Solutions

277.09 174.85 172.81 1.0

DATE: 11/11/11
BY: [Signature]
CHECKED: [Signature]
DESIGNED: [Signature]
PROJECT: [Signature]

SECURITY LOCKER FOR FIBER ACCESS LAUNDRY

NET TO SCALE

EPA Water System Operator Link

<https://nepis.epa.gov/Exe/ZyNET.exe/2000ZZBE.txt?ZyActionD=ZyDocument&Client=EPA&Index=2006%20Thru%202010&Docs=&Query=&Time=&EndTime=&SearchMethod=1&TocRestrict=n&Toc=&TocEntry=&QField=&QFieldYear=&QFieldMonth=&QFieldDay=&UseQField=&IntQFieldOp=0&ExtQFieldOp=0&XmlQuery=&File=D%3A%5CZYFILES%5CINDEX%20DATA%5C06THRU10%5CTXT%5C00000000%5C2000ZZBE.txt&User=ANONYMOUS&Password=anonymous&SortMethod=h%7C-&MaximumDocuments=1&FuzzyDegree=0&ImageQuality=r75g8/r75g8/x150y150g16/i425&Display=hpfr&DefSeekPage=x&SearchBack=ZyActionL&Back=ZyActionS&BackDesc=Results%20page&MaximumPages=1&ZyEntry=1>

Certification Of Water Treatment Plant Operators**Certification Of Water Treatment Plant Operators****25-32-7a. Definitions**

As used in Sections 25-32-7a to 25-32-14, inclusive:

- (a) "(ABC)" means the Association of Boards of Certification.
- (b) "Available" means reasonably accessible in order to respond to plant or system changes or malfunctions.
- (c) "Certified Operator" means an operator who has met the education, experience and examination requirements specified in sections 25-32-7a to 25-32-14, inclusive, of the Regulations of Connecticut State Agencies and has been certified by the department.
- (d) "Chief Operator" means a certified operator who has been designated by the system as the operator who has direct responsible charge for the operation and maintenance of the plant, distribution system or small water system.
- (e) "Community water system" means a public water system that serves at least twenty-five (25) residents.
- (f) "Conditional operator" means an existing operator who had direct responsible charge, for at least the one year prior to the effective date of the most recent revisions of sections 25-32-7a to 25-32-14, inclusive, of the Regulations of Connecticut State Agencies, of a plant, distribution system, or small water system which is required to have a certified operator for the first time as a result of the most recent revisions of sections 25-32-7a to 25-32-14, inclusive, of the regulations of Connecticut state agencies and has been duly certified by the department.
- (g) "Department" means Connecticut Department of Public Health.
- (h) "Direct Responsible Charge" means active, daily responsibility for the operation of a plant, distribution system, or small water system.
- (i) "Distribution system" means any combination of pipes, tanks, pumps, etc. which delivers water from the source(s) and/or treatment facility or facilities to the consumer.
- (j) "Limited Operator" means an existing operator who had direct responsible charge as of February 9, 1989 and has been duly certified by the department.
- (k) "Non-transient non-community water system" (NTNC) means a public water system that is not a community system and that regularly serves at least twenty-five (25) of the same persons over six (6) months per year.
- (l) "Operator" means any individual either employed or retained by a public water system who, as part of their job duties, is assigned the responsibility for operational activities that shall directly impact the quality and/or quantity of drinking water provided to consumers.
- (m) "Operator-in-Training" means a person who has received either a Certificate of Achievement in Water Management from a Connecticut Community- Technical College, or an equivalent as determined by the Department and who has met the examination requirements specified in sections 25-32-7a to 25-32- 14, inclusive, of the Regulations of Connecticut State Agencies.
- (n) "Provisional Operator" means an operator who is given permission by the Department to have direct responsible charge, for up to 2 years, to allow the operator to become certified.
- (o) "Public water system" or "system" means any water company, as defined in section 25-32a of the Connecticut General Statutes (CGS), supplying water to fifteen (15) or more consumers, as defined in section 25-32a of the CGS, or twenty-five or more persons daily, at least sixty (60) days of the year.
- (p) "Small water system" means a community water system or a non-transient non-community water system that serves less than 1000 persons and has no treatment or has only treatment which does not require any chemical treatment, process adjustment, backwashing or media regeneration by an operator.
- (q) "Treatment plant" or "plant" means a building or structure containing equipment for altering the characteristics of drinking water. Plants, which do not involve any chemical

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Certification Of Water Treatment Plant Operators

treatment, process adjustment, backwashing or media regeneration by an operator, are excluded from this definition.

(Effective February 9, 1989; Amended effective July 26, 2001.)

25-32-8. Classification of water treatment plants

- (a) Water treatment plants shall be classified according to points assigned to each plant based on the ABC system. The classification form shall be provided by the Department, and shall be filled in by the system. The contents of such form shall be verified by the department. The classifications are as follows:

Class I	30 points or less
Class II	31-55 points
Class III	56-75 points
Class IV	76 points or greater

(Effective February 9, 1989; Amended effective July 26, 2001.)

25-32-9. Qualifications for certified water treatment operators

- (a) Except as provided in subsections (e) and (f) of this section, every community water system and every non-transient non-community water system treatment plant shall have at least one operator who is certified at the plant's class or higher and who shall be designated by the system as the chief operator. The chief operator shall have direct responsible charge of the plant. In the event that the chief operator is not available, the system shall place an operator, who is certified at the plant's class or higher, in direct responsible charge to serve in the interim. All operators in direct responsible charge and any operators making process control/system integrity decisions about water quality or quantity, that affect public health, shall be certified at the plant's class or higher or certified as a conditional or provisional operator.
- (b) To become certified as a water treatment plant operator a person must demonstrate the ability to responsibly operate a plant of the given classification applied for (I, II, III, IV) by passing a written examination. To qualify to take the examination, a person shall submit an application to the Department on a form provided by the Department.
- (c) Minimum education and experience requirements to qualify for the written examination:

Class	Education (yrs.)	Experience in class (yrs.)
I	12	1
II	12	2
III	12	3
IV	12	4

The minimum education requirement shall be met by either a high school diploma or a high school equivalency diploma. Any amount of educational training beyond high school (12 years) in a field of study applicable to water treatment may be substituted for an equal amount of the experience requirement; however, one year of experience is, for purposes of this subsection, required for all classes. Experience in class means experience gained in operating a particular class plant or the next lower class providing that the operator has direct responsible charge.

- (d) Examination requirement for certification A written examination administered by the Department will be given to qualifying operator candidates. The examination will test the candidate's ability to responsibly operate a plant of the given classification applied for (I, II, III, IV). A passing score will be required for certification.
- (e) Existing operators--If an operator having direct responsible charge of a plant as of February 9, 1989 is not certified, the department may certify that operator as a limited operator upon presentation of an application by the system by February 9, 1990. This certification is only granted for a specific plant and cannot be transferred to another plant,

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system or individual. A limited operator cannot be designated as a chief operator but can serve in direct responsible charge.

If an operator has had direct responsible charge of a non-transient non-community water system water treatment plant for at least the one year prior to the effective date of the most recent revisions of sections 25-32-7a to 25-32-14 inclusive, of the Regulations of Connecticut State Agencies and is not certified, the Department may certify that operator as a conditional operator upon presentation of an application by the system within one year of the effective date of the most recent revisions of sections 25-32-7a to 25-32-14, inclusive, of the Regulations of Connecticut State Agencies. This certification is only granted for a specific plant and cannot be transferred to another plant, system or individual. The conditional certification is no longer valid if the plant classification changes to a higher level. A conditional operator shall meet all renewal requirements including training hour requirements for the operator class equal to the classification of the specific plant. The Department may certify a maximum of two conditional operators per non-transient non-community water system. A conditional operator can perform the functions of a certified operator.

- (f) **Provisional operators**--If a system does not have a qualified operator as outlined in Section 25-32-9(a) and if the department determines that this is due to reasons beyond the system's control, the Department may certify an operator as a provisional operator. The system must submit a request in writing, which indicates the reasons for not having a qualified operator and include an application. The provisional operator certificate would only be granted for a given plant and only be given to an operator who could qualify to take the appropriate class exam within 2 years. A provisional operator can perform the functions of a certified operator.
- (g) **Operator-in-training**--A person who has received either a certificate of achievement in water management from a Connecticut Community-Technical College, or an equivalent as determined by the Department, may apply to take any class examination. After successful completion of the examination, the person will be an operator-in-training. After the operator-in-training has completed the education and experience requirements of the appropriate class, he may apply to become a certified operator.
(Effective February 9, 1989; Amended effective July 26, 2001.)

25-32-10. Classification of water distribution systems

- (a) Each water distribution system shall be classified according to the population served. The classifications are as follows:

Class I	1000-5000 persons served
Class II	5001-50,000 persons served
Class III	Over 50,000 persons served

(Effective February 9, 1989.)

25-32-11. Qualifications for certified distribution system operators

- (a) Except as provided in subsections (f) and (g) of this section, every community water and every non-transient non-community water distribution system which serves 1,000 or more persons shall have at least one operator who is certified at the distribution system's class or higher and who shall be designated by the system as the chief operator. The chief operator shall have direct responsible charge of the distribution system. In the event that the chief operator is not available, the system shall place an operator, who is certified at the distribution system's class or higher, in direct responsible charge to serve in the interim. Except as provided in subsections (f) and (g), all operators in direct responsible charge and any operators making process control/system integrity decisions about water quality or quantity, that affect public health, shall be certified at the distribution system's class or higher or certified as a conditional or provisional operator.

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- (b) To become certified as a distribution system operator a person must demonstrate the ability to responsibly operate a distribution system of the given classification applied for (I, II, III) by passing a written examination. To qualify to take the examination, a person shall submit an application to the Department on a form provided by the Department.
- (c) Minimum education and experience requirement to qualify for the written examination:

Class	Education (yrs.)	Experience (yrs.)
I	12	1
II	12	2
III	12	4

Each year of education beyond high school (12 years) in a field applicable to water distribution may serve to satisfy one year of the experience requirement to qualify for the written examination. The minimum education requirements shall be met by either a high school diploma or a high school equivalency diploma. A minimum of one year of experience in operating a distribution system is required for all classes.

- (d) Examination requirement for certification--A written examination administered by the Department will be given to qualifying system operator candidates. The examination will test the candidate's ability to responsibly operate a distribution system of the given classification applied for (I, II, III). A passing score shall be required for certification.
- (e) Every public water system which is required to have testable backflow prevention devices in its system, pursuant to section 19-13-B38a of the Regulations of Connecticut State Agencies, shall have those devices tested by a person who has completed and passed a course on the testing of backflow preventers administered or approved by the Department.
- (f) Existing operators--If an operator having direct responsible charge of a distribution system as of February 9, 1989 is not certified, the Department may certify that operator as a limited operator upon presentation of an application by the system by February 9, 1990. This certification is only granted for a specific distribution system and cannot be transferred to another distribution system. A limited operator cannot be designated as a chief operator but can serve in direct responsible charge.

If an operator has had direct responsible charge of a non-transient non- community water system distribution system, which serves 1,000 or more persons, for at least the one year prior to the effective date of the most recent revisions of sections 25-32-7a to 25-32-14, inclusive, of the regulations of Connecticut State Agencies and is not certified, The Department may certify that operator as a conditional operator upon presentation of an application by the system within one year of the effective date of the most recent revisions of sections 25-32-7a to 25-32-14, inclusive, of the Regulations of Connecticut State Agencies. This certification is only granted for a specific distribution system and cannot be transferred to another system, plant, or individual. The conditional certification is no longer valid if the distribution system classification changes to a higher level. A conditional operator shall meet all renewal requirements including training hour requirements for the operator class equal to the classification of the specific distribution system. The Department may certify a maximum of two conditional operators per distribution system.

- (g) Provisional operators--If a system does not have a qualified operator as outlined in Section 25-32-11(a) and if the Department determines that this is due to reasons beyond the system's control, the Department may certify an operator as a provisional operator.

The system must submit a request in writing which indicates the reasons for not having a qualified operator and include an application. The provisional operator certificate would only be granted for a given distribution system and only be given to an operator who could qualify to take the appropriate class exam within 2 years.

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- (h) Every public water system which has consumer premises required to be inspected for cross connections, pursuant to section 19-13-B102(f) of the Regulations of Connecticut State Agencies, shall have those premises inspected by a person who has completed and passed a course on cross connection inspections administered or approved by the Department.
- (i) Operator-in-Training--A person who has received either a certificate of achievement in water management from a Connecticut Community-Technical College, or an equivalent as determined by the Department, may apply to take any class examination for a certified distribution system operator. After successful completion of the examination, the person will be an operator-in-training. After the operator-in-training has completed the education and experience requirements of the appropriate class, he may apply to become a certified operator.
(Effective February 9, 1989; Amended effective July 26, 2001.)

25-32-11a. Qualifications for small water system operators

- (a) Except as provided in subsection (e) and (f) of this section, every community water system and every non-transient non-community water system which meets the definition of small water system shall have at least one operator who is certified as a small water system, water treatment plant or water distribution system operator who shall be designated by the system as the chief operator. In the event that the chief operator is not available, the system shall make arrangements to ensure that another certified operator is available to serve in direct responsible charge in the interim. All operators in direct responsible charge and any operators making process control/system integrity decisions about water quality or quantity, that affect public health, shall be certified as an operator, conditional operator or provisional operator for that system.
- (b) To become certified as a small water system operator, a person shall demonstrate the ability to responsibly operate a small water system by passing a written examination. To qualify to take the examination, a person shall submit an application to the department on a form provided by the department.
- (c) Minimum education and experience requirements to qualify for the written examination:

Class	Education (yrs.)	Experience
Small water system	12 years	6 months

The minimum education requirement shall be met by either a high school diploma or a high school equivalency diploma. Six (6) months experience operating a small water system, water treatment plant or water distribution system may be substituted for the education requirement. These six (6) months of experience shall not also be used to meet the experience requirement.

The experience requirement shall be met by operating a small water system, water treatment plant or water distribution system. A minimum of twenty (20) hours of training acceptable to the department may be substituted for the experience requirement.

- (d) Examination Requirement for Certification -- A written examination administered by the department shall be given to qualifying operator candidates. The examination shall test the candidate's ability to operate a small water system. A passing score shall be required for certification.
- (e) Conditional Operators -- If an operator has had direct responsible charge of a small water system for at least the one year prior to the effective date of the most recent revisions of Sections 25-32-7a to 25-32-14, inclusive, of the regulations of Connecticut State Agencies and is not certified, the department may certify an operator as a conditional operator upon presentation of an application by the system within one year of the effective date of the most recent revisions of Sections 25-32-7a to 25-32-14, inclusive, of

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Certification Of Water Treatment Plant Operators

the regulations of Connecticut State Agencies. This certification is only granted for a specific system and cannot be transferred to another system, plant or individual. The conditional certification is no longer valid if the system classification changes to a higher level. A conditional operator shall meet all renewal requirements including training hour requirements for a small water system operator. The department may certify a maximum of two conditional operators per small water system.

- (f) **Provisional Operators** -- If a system does not have a qualified operator as outlined in section 25-32-11a(a) and if the department determines that this is due to reasons beyond the system's control, the department may certify an operator as a provisional operator. The system shall submit a request in writing which indicates the reasons for not having a qualified operator and include an application. The provisional operator certificate shall only be granted for a given system and only be given to an operator who could qualify to take the appropriate class exam within 2 years.
(Added effective July 26, 2001; Amended effective May 2, 2003.)

25-32-12. Reciprocity

The Department may waive the examination requirements specified in Section 25- 32-9(d) Section 25-32-11(d), and Section 25-32-11a(c) in the event that the applicant has passed an examination given by another state or ABC and the Department has entered into a reciprocity agreement with that state or ABC. A reciprocity agreement may only be established if the Department deems that the requirements of the other state or ABC are at least as stringent as those of the Department.

(Effective February 9, 1989; Amended effective July 26, 2001.)

25-32-13. Revocation of certification

The commissioner may take any disciplinary action set forth in section 19a- 17 of the Connecticut General Statutes, except for the assessment of a civil penalty, against an operator holding a certificate issued pursuant to sections 25-32-7a to 25-32-14, inclusive, of the Regulations of Connecticut State Agencies, for any of the following reasons: fraud or material deception in procuring a certificate, the renewal of a certificate or the reinstatement of a certificate; fraud or material deception in the performance of the certified operator's professional activities; incompetent, negligent or illegal performance of the certified operator's professional activities; conviction of the certified operator for a felony; or failure of the certified operator to complete the training required under sections 25- 32-7a to 25-32-14, inclusive, of the Regulations of Connecticut State Agencies.

(Effective February 9, 1989; Amended effective July 26, 2001.)

25-32-14. Renewal

- (a) **Treatment plant, distribution system and small water system operators**-- Certificates issued pursuant to sections 25-32-9, 25-32-11 and 25-32-11 a of the Regulations of Connecticut State Agencies must be renewed every 3 years by the operator to remain valid. The renewal form shall be provided by the Department and must be completed by the operator. This section does not apply to certificates for Provisional Operators issued pursuant to sections 25-32- 9(f), 25-32-11(g) and 25-32-11a(e) of the Regulations of Connecticut State Agencies.

Renewal requirements--to qualify for renewal, a treatment plant, distribution system or small water system operator shall complete the training hours specified in table 1, for each three year renewal period.

Certification Of Water Treatment Plant Operators

Table 1

<u>Operator Class</u>	<u>Training Hours</u>
Treatment I, Distribution I, Small system	10
Treatment II, Distribution II	20
Treatment III & IV, Distribution III	30

In order to phase in the training hour requirements, applicants shall complete the training hours specified for the following renewal periods in table 2. These requirements only apply for certificates, which expire less than three years after the effective date of the most recent revisions of sections 25- 32-7a to 25-32-14 of the Regulations of Connecticut State Agencies. After that, table 1 applies.

Table 2

<u>Operator Class</u>	<u>Training Hours Per Renewal Period</u>		
	<u>A</u>	<u>B</u>	<u>C</u>
Treatment I, Distribution I, Small System	0	3	7
Treatment II, Distribution II	0	7	13
Treatment III & IV, Distribution III	0	10	20

Renewal period a applies to certificates, which expire less than one year after the effective date of the most recent revisions of sections 25-32-7a to 25-32-14 of the Regulations of Connecticut State Agencies.

Renewal period B applies to certificates which expire one year or more and less than two years after the effective date of the most recent revisions of sections 25-32-7a to 25-32-14 of the Regulations of Connecticut State Agencies.

Renewal period C applies to certificates, which expire two years or more and less than three years after the effective date of the most recent revisions of sections 25-32-7a to 25-32-14 of the Regulations of Connecticut State Agencies.

The training shall be in treatment plant, distribution system or small system operation and be acceptable to the Department.

- (b) If an operator does not renew his or her certificate by the expiration date, the certificate expires and the operator is no longer certified. An operator may renew an expired certificate for up to six months after the expiration date by meeting all renewal requirements. To become certified greater than six months after the expiration date, an operator shall meet all current certification requirements including successful completion of an examination to be recertified.

(Effective February 9, 1989; Amended effective July 26, 2001.)

