

UIC PERMIT

**Issued to**

Salisbury School, Inc.  
251 Canaan Road  
Salisbury, CT 06068

**Location Address:**  
251 Canaan Road  
Salisbury, CT 06068

**Permit ID:** UI0000396  
**Watershed:** Shenob Brook  
**Basin Code:** 6002

**Issuance Date:**  
**Effective Date:** [Renewal: 1<sup>st</sup> day of next month]  
**Expiration Date:** 10 years from Effective Date

**SECTION 1: GENERAL PROVISIONS**

- (A) This permit is reissued in accordance with section 1421 of the Federal Safe Drinking Water Act 42 USC 300h et. seq., section 22a-430 of Chapter 446k, Connecticut General Statutes (“CGS”), and Regulations of Connecticut State Agencies (“RCSA”) adopted thereunder, as amended.
- (B) Salisbury School, Inc., (“Permittee”), shall comply with all conditions of this permit including the following sections of the RCSA which have been adopted pursuant to section 22a-430 of the CGS and are hereby incorporated into this permit. Your attention is especially drawn to the notification requirements of subsection (i)(2), (i)(3), (j)(1), (j)(6), (j)(8), (j)(9)(C), (j)(11)(C), (D), (E) and (F), (k)(3) and (4), and (l)(2) of section 22a-430-3.

Section 22a-430-3 General Conditions

- (a) Definitions
- (b) General
- (c) Inspection and Entry
- (d) Effect of a Permit
- (e) Duty to Comply
- (f) Proper Operation and Maintenance
- (g) Sludge Disposal
- (h) Duty to Mitigate
- (i) Facility Modifications; Notification
- (j) Monitoring, Records and Reporting Requirements
- (k) Bypass
- (l) Conditions Applicable to POTWs
- (m) Effluent Limitation Violations (Upsets)
- (n) Enforcement
- (o) Resource Conservation
- (p) Spill Prevention and Control
- (q) Instrumentation, Alarms, Flow Recorders
- (r) Equalization

Section 22a-430-4 Procedures and Criteria

- (a) Duty to Apply
  - (b) Duty to Reapply
  - (c) Application Requirements
  - (d) Preliminary Review
  - (e) Tentative Determination
  - (f) Draft Permits, Fact Sheets
  - (g) Public Notice, Notice of Hearing
  - (h) Public Comments
  - (i) Final Determination
  - (j) Public Hearings
  - (k) Submission of Plans and Specifications. Approval.
  - (l) Establishing Effluent Limitations and Conditions
  - (m) Case by Case Determinations
  - (n) Permit issuance or renewal
  - (o) Permit Transfer
  - (p) Permit revocation, denial or modification
  - (q) Variances
  - (r) Secondary Treatment Requirements
  - (s) Treatment Requirements for Metals and Cyanide
  - (t) Discharges to POTWs - Prohibitions
- (C) Violations of any of the terms, conditions, or limitations contained in this permit may subject the Permittee to enforcement action, including but not limited to, seeking penalties, injunctions and/or forfeitures pursuant to applicable sections of the CGS and RCSA.
- (D) Any false statement in any information submitted pursuant to this permit may be punishable as a criminal offense under section 22a-438 or 22a-131a of the CGS or in accordance with section 22a-6, under section 53a-157 of the CGS.
- (E) The Permittee shall comply with Section 22a-416-1 through Section 22a-416-10 of the RCSA concerning operator certification.
- (F) No provision of this permit and no action or inaction by the Commissioner of Energy & Environmental Protection (“Commissioner”) shall be construed to constitute an assurance by the Commissioner that the actions taken by the Permittee pursuant to this permit will result in compliance or prevent or abate pollution.
- (G) The authorization to discharge under this permit may not be transferred without prior written approval of the Commissioner. To request such approval, the Permittee and proposed transferee shall register such proposed transfer with the Commissioner at least 30 days prior to the transferee becoming legally responsible for creating or maintaining any discharge which is the subject of the permit transfer. Failure, by the transferee, to obtain the Commissioner’s approval prior to commencing such discharges may subject the transferee to enforcement action for discharging without a permit pursuant to applicable sections of the CGS and RCSA.
- (G) Nothing in this permit shall relieve the Permittee of other obligations under applicable federal, state and local law.
- (H) An annual fee shall be paid for each year this permit is in effect as set forth in section 22a-430-7 of the RCSA.

## **SECTION 2: DEFINITIONS**

- (A) The definitions of the terms used in this permit shall be the same as the definitions contained in section 22a-423 of the CGS and sections 22a-430-3(a) and 22a-430-6 of the RCSA.
- (B) In addition to the above, the following definitions shall apply to this permit:
- “Annual”, in the context of a sampling frequency, shall mean the sample must be taken in the month of March.
- “Average Monthly Limit” means the highest allowable average of all grab samples taken during any calendar month.
- “Maximum Concentration”, in the context of this permit, is defined as the maximum concentration at any time as determined by a grab sample.
- “Range During Month” or “RDM” means the lowest and the highest values of all of the monitoring data for the reporting month.
- “Quarterly”, in the context of a sampling frequency, shall mean sampling is required during each calendar quarter ending on the last day of March, June, September and December.
- “Twice per month”, when used as a sample frequency, shall mean two samples per calendar month collected no less than 12 days apart.
- “Twelve Month Rolling Average”, means the average monthly concentration of the current month’s samples averaged with the average monthly concentration from each of the previous eleven months.

## **SECTION 3: COMMISSIONER’S DECISION**

- (A) The Commissioner has made a final determination and found that the continuance of the existing system to treat the discharge will protect the waters of the state from pollution. The Commissioner's decision is based on Application No. 201302858 for permit reissuance received on May 30, 2013 and the administrative record established in the processing of that application.
- (B) From the effective date of this permit, for a term not to exceed ten years and until this permit expires or is modified or revoked, the Commissioner hereby authorizes the Permittee to discharge a maximum flow of 36,800 gallons per day of domestic sewage in accordance with the terms and conditions of this permit, the above referenced application, and all modifications and approvals issued by the Commissioner or the Commissioner’s authorized agent for the discharges and/or activities authorized by, or associated with, this permit following the issuance date of this permit.
- (C) The Commissioner reserves the right to make appropriate revisions to the permit in order to establish any appropriate effluent limitations, schedules of compliance, or other provisions that may be authorized under the Federal Safe Drinking Water Act or the Connecticut General Statutes or regulations adopted thereunder, as amended. The permit as modified or renewed under this paragraph may also contain any other requirements of the Federal Safe Drinking Water Act or Connecticut General Statutes or regulations adopted thereunder, which are then applicable.

## **SECTION 4: EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS**

- (A) The use of any sewage system additive as defined in section 22a-460(g) of the CGS is prohibited unless

such additive complies with section 22a-461 of the CGS. The Commissioner in no way certifies the safety or effectiveness of any sewage system additive.

- (B) Oils, greases, industrial or commercial wastes, toxic chemicals, or other substances that will adversely affect the operation of the subsurface sewage treatment and disposal system, or, which may pollute ground or surface water, shall not be discharged to the subsurface sewage treatment and disposal system.
- (C) The Permittee shall assure that groundwater affected by the subject discharge shall conform to the Connecticut Water Quality Standards.
- (D) The Permittee shall operate and maintain all processes as installed in accordance with the approved plans and specifications and as outlined in the associated operation and maintenance manual. This includes but is not limited to all recycle pumping systems, aeration equipment, aeration tank, mixing equipment, the Zenon system, chemical feed systems, disinfection systems or any other process equipment necessary for the optimal removal of pollutants. The Permittee shall neither bypass nor fail to operate any of the approved equipment or processes without the written approval of the Commissioner.
- (E) The discharge shall not exceed and shall otherwise conform to the specific terms and conditions listed in this permit. The discharge is restricted by, and shall be monitored in accordance with the Tables A through C, which are incorporated into this permit as Attachment 1.
- (F) The pH of the discharge shall not be less than 6.0 nor greater than 9.0 Standard Units at any time and shall be monitored in accordance with this permit. The Permittee shall report pH values, specifically maximum and minimum, for each day of sample collection.
- (G) The Permittees shall maintain at the facility a record of the total flow for each day of discharge and shall report on the discharge monitoring report the total flow and number of hours of discharge for the day of sample collection.
- (H) The Permittees shall maintain at the facility a record of the total flow for each day of discharge and shall report on the discharge monitoring report the total flow and number of hours of discharge for the day of sample collection and the average daily flow for each sampling month.
- (I) All samples shall be comprised of only those wastewaters described in this schedule, therefore, samples shall be taken prior to combination with wastewaters of any other type and after all approved treatment units, if applicable. All samples taken shall be representative of the discharge during standard operating conditions.
- (J) In cases where limits and sample type are specified but sampling is not required, the limits specified shall apply to all samples which may be collected and analyzed by the Department of Energy and Environmental Protection personnel, the Permittee, or other parties.
- (K) Unless a different classification of certified operator is required under a separate written approval issued by the Commissioner, the Permittee shall ensure that the wastewater treatment facility is operated by a person with a valid and effective certification in the State of Connecticut, at a minimum, as a facility Class III operator pursuant to C.G.S. 22a-416(d) and the regulations adopted thereunder. The Permittee shall ensure that the wastewater treatment facility is operated by such an operator with such qualifications throughout the entire life of the wastewater treatment facility.
- (L) The Permittee shall monitor, inspect and maintain the treatment facilities in accordance with Table (D), which is incorporated into this permit as Attachment 2.
- (M) The Permittee shall perform ground water monitoring in accordance with Table (E), which is incorporated

into this permit as Attachment 3.

- (N) The monitoring and sampling required within this permit is the minimum for reporting purposes only. More frequent monitoring and sampling of the treatment system may be required to operate the facility to obtain acceptable results for the parameters being monitored as required by the Operation and Maintenance Manual approved by the Commissioner.

#### **SECTION 5: SAMPLE COLLECTION AND HANDLING, ANALYTICAL TECHNIQUES, AND REPORTING REQUIREMENTS**

- (A) Chemical analyses to determine compliance with effluent limits and conditions established in this permit shall be performed using the methods approved by the Environmental Protection Agency pursuant to 40 CFR 136 unless an alternative method has been approved in writing in accordance with 40 CFR 136.4 or as provided in section 22a-430-3(j)(7) of the RCSA. Chemicals which do not have methods of analysis defined in 40 CFR 136 shall be analyzed in accordance with methods specified in this permit.
- (B) If any sample analysis indicates that an effluent limitation specified in Section 4 of this permit has been exceeded, a second sample of the effluent shall be collected and analyzed for the parameter(s) in question and the results shall be reported to the Commissioner within 30 days of the exceedance. Resampling for a permit violation is in addition to routine required sampling.
- (C) The Permittee shall enter the results of chemical analysis and treatment facilities monitoring and maintenance required by Section 4 on a Discharge Monitoring Report (DMR) provided by this office and shall submit such DMR to the Bureau of Materials Management and Compliance Assurance at the address below. Except for continuous monitoring, any monitoring required more frequently than monthly shall be reported on an attachment to the DMR, and any additional monitoring conducted in accordance with 40 CFR 136 or other methods approved by the Commissioner shall also be included on the DMR, or as an attachment, if necessary. The report shall also include a detailed explanation of each violation of the limitations specified, the corrective actions performed, and a schedule for completing any necessary remaining corrective action. The DMR shall be received at this address by the last day of the month following the month in which the samples are taken.

**Attn: DMR Processing  
Connecticut Department of Energy and Environmental Protection  
Bureau of Materials Management and Compliance Assurance  
Water Permitting and Enforcement Division  
79 Elm Street  
Hartford, CT 06106-5127**

- (D) If this permit requires monitoring of a discharge on a calendar basis (e.g. Monthly, quarterly, etc.) but a discharge has not occurred within the frequency of sampling specified in the permit, the Permittee must submit the DMR as scheduled, indicating "NO DISCHARGE". For those permittees whose required monitoring is discharge dependent (e.g. per batch), the minimum reporting frequency is monthly. Therefore, if there is no discharge during a calendar month for a batch discharge, a DMR must be submitted indicating such by the end of the following month.
- (E) **NetDMR Reporting Requirements:**  
Prior to one-hundred and eighty (180) days after the issuance of this permit, the Permittee may report all chemical analysis, monitoring and maintenance data, and other reports to the Department in hard copy form or electronically using NetDMR, a web-based tool that allows Permittees to electronically submit discharge monitoring reports (DMRs) and other required reports through a secure internet connection. Unless otherwise approved in writing by the Commissioner, no later than one-hundred and eighty (180) days after the issuance of this permit the Permittee shall begin reporting electronically using NetDMR. Specific

requirements regarding subscription to NetDMR and submittal of data and reports in hard copy form and for submittal using NetDMR are described below:

(a) Submittal of NetDMR Subscriber Agreement:

On or before thirty (30) days after the issuance of this permit, the Permittee and/or the person authorized to sign the Permittee's discharge monitoring reports ("Signatory Authority") as described in RCSA Section 22a-430-3(b)(2) shall contact the Department at [deep.netdmr@ct.gov](mailto:deep.netdmr@ct.gov) and initiate the NetDMR subscription process for electronic submission of Discharge Monitoring Report (DMR) information. Information on NetDMR is available on the Department's website at [www.ct.gov/deep/netdmr](http://www.ct.gov/deep/netdmr). On or before ninety (90) days after issuance of this permit the Permittee shall submit a signed copy of the *Connecticut DEEP NetDMR Subscriber Agreement* to the Department.

(b) Submittal of Reports Using NetDMR:

Unless otherwise approved by the Commissioner, on or before one-hundred and eighty (180) days after issuance of this permit, the Permittee and/or the Signatory Authority shall electronically submit DMRs and reports required under this permit to the Department using NetDMR in satisfaction of the DMR submission requirement in paragraph (C) of this Section of this permit. DMRs shall be submitted electronically to the Department no later than the last day of the month following the completed reporting period. All reports required under the permit, including any monitoring conducted more frequently than monthly or any additional monitoring conducted in accordance with 40 CFR 136, shall be submitted to the Department as an electronic attachment to the DMR in NetDMR. Once a Permittee begins submitting reports using NetDMR, it will no longer be required to submit hard copies of DMRs to the Department. The Permittee shall also electronically file any written report of non-compliance described in paragraph (B) of this Section and in the following Section of this Permit as an attachment in NetDMR. NetDMR is accessed from: <https://netdmr.epa.gov/netdmr/public/home.htm>.

(c) Submittal of NetDMR Opt-Out Requests:

If the Permittee is able to demonstrate a reasonable basis, such as technical or administrative infeasibility, that precludes the use of NetDMR for electronically submitting DMRs and reports, the Commissioner may approve the submission of DMRs and other required reports in hard copy form ("opt-out request"). Opt-out requests must be submitted in writing to the Department for written approval on or before fifteen (15) days prior to the date a Permittee would be required under this permit to begin filing DMRs and other reports using NetDMR. This demonstration shall be valid for twelve (12) months from the date of the Department's approval and shall thereupon expire. At such time, DMRs and reports shall be submitted electronically to the Department using NetDMR unless the Permittee submits a renewed opt-out request and such request is approved by the Department. All opt-out requests and requests for the NetDMR subscriber form should be sent to the following address or by email at [deep.netdmr@ct.gov](mailto:deep.netdmr@ct.gov):

**Attn: NetDMR Coordinator  
Connecticut Department of Energy and Environmental Protection  
Bureau of Materials Management and Compliance Assurance  
Water Permitting and Enforcement Division  
79 Elm Street  
Hartford, CT 06106-5127**

(d) Non-Electronic or Hard-Copy Submission:

The results of chemical analysis and treatment facilities monitoring that are not required to be submitted electronically under Section 5 shall be submitted in hard-copy form on a DMR. Such DMRs and other reports not required to be submitted electronically shall be reported to the Bureau of Materials Management and Compliance Assurance at the following address.

**Attn: DMR Processing  
Connecticut Department of Energy & Environmental Protection  
Bureau of Materials Management and Compliance Assurance  
Water Permitting and Enforcement Division  
79 Elm Street  
Hartford, CT 06106-5127**

(e) Copies of all hard-copy DMRs shall be submitted concurrently to the local Health Department.

#### **SECTION 6: COMPLIANCE SCHEDULE**

- (A) On or before thirty (30) days after issuance of this permit, the Permittee shall record a copy thereof on the land records in the Town of Salisbury. On or before one (1) month after such recording, the Permittee shall submit written verification to the Commissioner that this permit has been recorded on the land records in the Town of Salisbury.
- (B) Every two (2) years, on or before the anniversary date of the issuance of this permit, the Permittee shall submit the results of a detailed permit compliance audit to the Commissioner. Such audits shall be performed within sixty (60) days prior to the anniversary date. The compliance audits shall be performed by a qualified professional engineer licensed to practice in Connecticut with the appropriate education, experience and training that is relevant to the work required.

Each audit shall evaluate compliance with all permit terms and conditions for the preceding two-year period. The evaluation shall review all pertinent records and documents as necessary, including Discharge Monitoring Reports (DMRs), laboratory reports, operations and maintenance plans, performance logs/records, equipment specifications, maintenance schedules, engineering drawings, and spare parts inventory.

Each audit report shall include a description of all records and documents used in the evaluation, a summary of compliance with permit terms and conditions, and detailed descriptions of all remedial actions taken or proposed to address each violation or deficiency discovered.

The 8-year anniversary audit report shall also include detailed findings from a physical inspection of each on-site sewage treatment and disposal system and an evaluation of the performance and operation of each such system. In the event of a system malfunction or failure, the Permittee shall prepare and submit a remedial plan for the Commissioner's review and written approval.

A copy of each audit shall be submitted concurrently to the local Health Department.

This permit is hereby issued on

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Yvonne Bolton, Chief  
Bureau Materials Management and Compliance Assurance  
Department of Energy and Environmental Protection

cc: Local Health Dept.  
DMR

ATTACHMENT 1

<b>TABLE A</b>				
Discharge Serial No. 301-2			Monitoring Location: G	
Wastewater Description: Domestic Sewage Influent to ZENON System				
Monitoring Location Description: Equalization Tank				
Average Daily Flow: 24,500 gallons per day			Maximum Daily Flow: 36,800 gallons per day	
<b>INSTANTANEOUS MONITORING</b>				
<b>Parameter</b>	<b>Units</b>	<b>Average Monthly Limit</b>	<b>Sample Type</b>	<b>Sample Frequency</b>
Biochemical Oxygen Demand	mg/l	---	Grab	Twice per month
Total Suspended Solids	mg/l	---	Grab	Twice per month
Total Kjeldahl Nitrogen	mg/l	---	Grab	Twice per month
<b>ADDITIONAL NOTES:</b>				
1. "----" in the limits column on this monitoring table means a limit is not specified, but monitoring is required and a value must be reported on the DMR.				

<b>TABLE B</b>				
Discharge Serial No. 301-2			Monitoring Location: J	
Wastewater Description: Effluent Intermediate Process				
Monitoring Location Description: ZENON Process Tank				
Average Daily Flow: 24,500 gallons per day			Maximum Daily Flow: 36,800 gallons per day	
<b>INSTANTANEOUS MONITORING</b>				
<b>Parameter</b>	<b>Units</b>	<b>Average Monthly Limit</b>	<b>Sample Type</b>	<b>Sample Frequency</b>
pH	SU	---	Grab	Twice per month
Temperature	° F	---	Grab	Twice per month
Alkalinity	mg/l	---	Grab	Twice per month
Total Suspended Solids	mg/l	---	Grab	Twice per month
<b>ADDITIONAL NOTES:</b>				
1. "----" in the limits column on this monitoring table means a limit is not specified, but monitoring is required and a value must be reported on the DMR.				



<b>TABLE C</b>					
Discharge Serial No. 301-2			Monitoring Location: 1		
Wastewater Description: Pretreated Domestic Sewage Effluent					
Monitoring Location Description: Final Effluent or Following UV Disinfection					
<b>FLOW/TIME BASED MONITORING</b>					
<b>Parameter</b>	<b>Units</b>	<b>Average Daily Flow Limit</b>	<b>Maximum Daily Flow Limit</b>	<b>Sample Type</b>	<b>Sample Frequency</b>
Flow Rate (Average daily) <sup>1</sup>	gpd	24,500	36,800	Daily flow	Continuous
<b>INSTANTANEOUS MONITORING</b>					
<b>Parameter</b>	<b>Units</b>	<b>Average Monthly Limit</b>	<b>Maximum Concentration</b>	<b>Sample Type</b>	<b>Sample Frequency</b>
Biochemical Oxygen Demand	mg/l	20	30	Grab	Twice per month
Total Suspended Solids	mg/l	20	30	Grab	Twice per month
Total Nitrogen	mg/l	10 <sup>2</sup>	---	Grab	Twice per month
Ammonia	mg/l	---	---	Grab	Twice per month
Nitrate Nitrogen	mg/l	---	---	Grab	Twice per month
Nitrite Nitrogen	mg/l	---	---	Grab	Twice per month
Total Kjeldahl Nitrogen	mg/l	---	---	Grab	Twice per month
pH, Minimum (Day of Sampling)	S.U.	NA	6.0 - 9.0	Continuous	Continuous
pH, Maximum (Day of Sampling)	S.U.	NA	6.0 - 9.0	Continuous	Continuous
pH, Minimum Value of RDM	S.U.	NA	6.0 - 9.0	Continuous	Continuous
pH, Maximum Value of RDM	S.U.	NA	6.0 - 9.0	Continuous	Continuous
Fecal Coliform	col/100ml	100	200	Grab	Weekly
Alkalinity	mg/l	---	---	Grab	Twice per month
<b>FOOTNOTES:</b>					
1. For this parameter, the Permittee shall maintain at the facility a record of the total flow for each day of discharge and shall report on the DMR the Average Daily Flow and the Maximum Daily Flow for each month.					
2. Limit is based on a twelve month rolling average.					
<b>ADDITIONAL NOTES:</b>					
1. “---” in the limits column on this monitoring table means a limit is not specified, but monitoring is required and a value must be reported on the DMR.					

ATTACHMENT 2

<b>TABLE D INSPECTION, MONITORING AND MAINTENANCE REQUIREMENTS</b>	
Discharge Serial No.: 301-2	Monitoring Location: S
Wastewater Description: Domestic Sewage	
Average Daily Flow: 24,500 gallons per day	Maximum Daily Flow: 36,800 gallons per day
<b>Inspection, Monitoring, or Maintenance</b>	<b>Minimum Frequency</b>
Depth of sludge in septic tanks	During pump-out
Pump out septic tanks	Annually
Pump out grease traps	Quarterly
Mechanical inspection of septic tank baffles	During pump-out
Mechanical inspection of grease trap baffles	During pump-out
Mechanical inspection of septic tank effluent filter	During pump-out
Clean septic tank effluent filter	During pump-out
Mechanical inspection of pump stations	Monthly/Quarterly
Pump out pump chambers	Annually
Pump out trash trap	Quarterly
Test run of emergency generator	Quarterly
Water meter readings of water usage	Weekly
Visual inspection of Zenon System	Monthly
Visual inspection of anoxic chambers	Monthly
Mechanical inspection of carbon feed system	Monthly
Mechanical inspection of alkalinity feed system	Monthly
Visual inspection of UV-disinfection system	Monthly
Clean UV bulbs	Monthly
Visual inspection of surface condition of leaching field	Quarterly
Depth of ponding in leaching field	Quarterly
Mow grass over leaching field	3 times per year
<b>ADDITIONAL NOTES:</b>	
<ol style="list-style-type: none"> <li>1. All inspection, monitoring, and maintenance required in this table shall be reported annually by the end of each January as an attachment to the December DMR.</li> <li>2. The Torrington Area Health District Sanitarian shall be notified at least one week prior to pumping of septic tanks and grease traps. Verification of all pump outs shall be attached to the monitoring report and a copy of the report shall be sent to the Torrington Area Health District Director of Health.</li> </ol>	

ATTACHMENT 3

<b>TABLE E GROUNDWATER MONITORING</b>			
<b>Discharge Serial No. 301 A, 301 B</b>		<b>Monitoring Location: GW; S</b>	
<b>Groundwater Monitoring Location No.: MW1 and MW2</b>		<b>Description: Downgradient monitoring well; System area monitoring well</b>	
<b>Parameter</b>	<b>Units</b>	<b>Minimum Frequency of Sampling</b>	<b>Sample Type</b>
Fecal Coliform	col/100ml	Quarterly	Grab
Groundwater Depth (Standard depth below grade)	Ft	Quarterly	Instantaneous
Ammonia Nitrogen	mg/l	Quarterly	Grab
Nitrate Nitrogen	mg/l	Quarterly	Grab
Nitrite Nitrogen	mg/l	Quarterly	Grab
Total Kjeldahl Nitrogen	mg/l	Quarterly	Grab
Total Nitrogen	mg/l	Quarterly	Grab
pH	S.U.	Quarterly	Instantaneous
Total Dissolved Phosphorous	mg/l	Quarterly	Grab

# DATA TRACKING AND TECHNICAL FACT SHEET

**APPLICATION No.:** 201302858

**PERMIT No.:** UI0000396

## **DISCHARGER NAME AND ADDRESS**

**APPLICANT/PERMITTEE:** Salisbury School, Inc.

## **MAILING ADDRESS:**

251 Canaan Road, Salisbury, CT 06068

**CONTACT PERSON:** John Magiera Phone No.: 860-435-5709

**LOCATION ADDRESS:** 251 Canaan Road, Salisbury, CT 06068

## **PERMIT TYPE**

New ( )                      Reissuance (X)                      Modification ( )                      Subsection-e ( )

## **PERMIT DURATION**

5 YEAR ( )                      10 YEAR (X)                      30 YEAR ( )

## **OWNERSHIP CODE**

Private (X)      Federal ( )      State ( )      Municipal (town only) ( )      Other public ( )

## **DISCHARGE CATEGORIZATION**

Point ( )      Non-point (X)      GIS # \_\_\_\_\_

NPDES ( )      Pretreat (X)      Ground Water (UIC) (X)      Ground Water (Other) ( )

Major ( )      Significant Minor ( )      Minor (X)

## **UIC PERMIT INFORMATION**

Total Wells      **1**      Well Type **5W12**

## **DEEP STAFF ENGINEER/ANALYST**

Antoanela Daha

## **NATURE OF BUSINESS GENERATING DISCHARGE**

Salisbury School, Inc. presently discharges up to 36,800 gallons per day of treated domestic sewage wastewaters to groundwaters in the Shenob Brook Watershed from operations at the boarding school.

## **PROCESS AND TREATMENT DESCRIPTION (by DSN)      AT(X)      RECYCLE ( )**

DSN 301-2 represents the discharge from the existing alternative sewage treatment system ["AT system"]. The AT system comprises a trash trap, septic tanks, a grease trap, a ZENON membrane filtration system consisting of an anoxic tank, aerobic tank and membrane filtration, a UV disinfection unit, and an engineered subsurface leaching field followed by a series of five constructed infiltrative wetlands units for additional effluent renovation prior to discharge to groundwater.

## **COMPLIANCE SCHEDULE YES (X)      NO ( )**

Pollution Prevention ( )      Treatment Requirement ( )      Water Conservation ( )

Permit Steps ( )      Water Quality Requirement ( )      Remediation ( )

Audit Language (X)      Other (X)

APPLICATION No. 201302858

PERMIT No. UI0000396

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# DATA TRACKING AND TECHNICAL FACT SHEET

## RESOURCES USED TO DRAFT PERMIT

- Federal Effluent Limitation Guideline 40CFR  
name of category
- Performance Standards
- Federal Development Document  
name of category
- Treatability Manual
- Department File Information
- Connecticut Water Quality Standards
- Anti-degradation Policy
- Coastal Management Consistency Review Form
- Other – Explain

## BASIS FOR LIMITATIONS, STANDARDS OR CONDITIONS

- Best Judgement (See Other Comments)
- Case by Case Determination (See Other Comments)

## OTHER COMMENTS

The AT system serving Salisbury School, Inc. was installed in 2003 to replace several failing conventional subsurface sewage disposal systems. Pretreated effluent from the Zenon plant is disinfected and fully conveyed to groundwater by infiltration that occurs both within the engineered leaching system and via infiltrative soils located beneath the constructed wetlands units. Groundwater monitoring data indicate that groundwater levels in the area of the constructed wetlands and immediately downgradient range from 7 to 9 feet below the ground surface. In addition, numerous system inspections performed over the years, most recently on September 26, 2019, confirm that there is no evidence of overflow occurring from these constructed wetland units to downgradient wetlands or watercourses.

Salisbury School's AT system has been in operation for over 17 years and, during this time, the school has experienced periodic exceedances of permitted flow limits. These flow violations were a direct result of excessive infiltration and inflow that had been occurring within the school's extensive sewage collection system that conveys wastewater to the treatment plant from the school buildings, dormitories and faculty housing across campus. To address the infiltration and inflow problems, the school has worked extensively over several years to repair and upgrade its entire sewage collection system. Final work was completed in 2018 with the replacement of 5,825 feet of new sewer line piping. In addition, Salisbury School completed maintenance and improvements to its Zenon treatment plant, including the replacement of existing Zenon membrane modules and the inclusion of an additional membrane module for each of two existing racks to provide additional membrane treatment surface area and enhance treatment system performance.

Salisbury School's discharge monitoring reports consistently demonstrate that the treatment plant produces high quality pretreated effluent, and downgradient groundwater monitoring data confirm effective performance of the AT system.

# DATA TRACKING AND TECHNICAL FACT SHEET

## **PERMIT FEES**

Discharge Code 312000a

Representing DSN 301-2

Annual Fee \$1,110

## **PROJECT HISTORY**

Application received on May 30, 2013

Notice of Insufficiency issued on July 3, 2013

Notice of Sufficiency Issued on July 24, 2013

Notice of Tentative Decision

**NOTICE OF TENTATIVE DECISION  
INTENT TO RENEW A STATE PERMIT AND  
AN UNDERGROUND INJECTION CONTROL PERMIT FOR THE  
FOLLOWING DISCHARGE INTO THE WATERS OF THE STATE OF CONNECTICUT**

**TENTATIVE DECISION**

The Commissioner of Energy and Environmental Protection hereby gives notice of a tentative decision to renew a permit based on an application submitted by **Salisbury School, Inc.** ("the applicant") under section 22a-430 of the Connecticut General Statutes for a permit to discharge into the waters of the state.

In accordance with applicable federal and state law, the Commissioner has made a tentative decision that continuance of the existing system to treat the discharge would protect the waters of the state from pollution and the Commissioner proposes to renew a permit for the discharge to the groundwaters in the Shenob Brook Watershed.

The proposed permit, if issued by the Commissioner, will require that all wastewater be treated to meet the applicable effluent limitations and periodic monitoring to demonstrate that the discharge will not cause pollution.

**APPLICANT'S PROPOSAL**

Salisbury School, Inc. presently discharges up to 36,800 gallons per day of treated domestic sewage to groundwaters in the Shenob Brook Watershed from operations at the boarding school.

The name and mailing address of the applicant is: Salisbury School, Inc., 251 Canaan Road, Salisbury, CT 06068.

The activity takes place at: 251 Canaan Road, Salisbury, CT 06068.

**REGULATORY CONDITIONS**

Type of Treatment

The treatment consists of a trash trap, septic tanks, grease trap, Zenon membrane filtration system, UV disinfection unit, and an engineered subsurface leaching field followed by constructed wetlands units for additional effluent renovation.

Effluent Limitations

This permit contains effluent limitations consistent with a Case by Case Determination using the criteria of Best Professional Judgement and which will protect the waters of the state from pollution when all the conditions of this permit have been met.

Compliance Schedule

The proposed permit includes a compliance schedule requiring the applicant to: 1) Record a copy of the permit on the land records; and 2) submit the results of a detailed permit compliance audit every two years.

## **COMMISSIONER'S AUTHORITY**

The Commissioner of Energy and Environmental Protection is authorized to approve or deny such permits pursuant to section 22a-430 of the Connecticut General Statutes and the Water Discharge Permit Regulations (section 22a-430-3 and 4 of the Regulations of Connecticut State Agencies) and section 1421 of the Federal Safe Drinking Water Act 42 USC et. seq.

## **INFORMATION REQUESTS**

The application has been assigned the following numbers by the Department of Energy and Environmental Protection. Please use these numbers when corresponding with this office regarding this application.

APPLICATION NO.: 201302858

PERMIT ID NO.: UI0000396

Interested persons may obtain copies of the application from WMC Consulting Engineers, 87 Holmes Road, Newington, CT 06111, Phone No.: 860-667-9624.

The application is available for inspection by contacting Antoanela Daha at [Antoanela.Daha@ct.gov](mailto:Antoanela.Daha@ct.gov) or at 860-424-3025, at the Department of Energy and Environmental Protection, Bureau of Materials Management and Compliance Assurance, 79 Elm Street, Hartford, CT 06106-5127 from 8:30 - 4:30, Monday through Friday.

Any interested person may request in writing that his or her name be put on a mailing list to receive notice of intent to issue any permit to discharge to the surface waters of the state. Such request may be for the entire state or any geographic area of the state and shall clearly state in writing the name and mailing address of the interested person and the area for which notices are requested.

## **PUBLIC COMMENT**

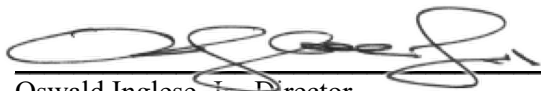
Prior to making a final decision to approve or deny any application, the Commissioner shall consider written comments on the application from interested persons that are received within 30 days of this public notice. Written comments should be directed to Antoanela Daha, Bureau of Materials Management and Compliance Assurance, Department of Energy and Environmental Protection, 79 Elm Street, Hartford, CT 06106-5127. The Commissioner may hold a public hearing prior to approving or denying an application if in the Commissioner's discretion the public interest will be best served thereby, and shall hold a hearing upon receipt of a petition signed by at least twenty-five persons. Notice of any public hearing shall be published at least 30 days prior to the hearing.

Petitions for a hearing should include the application number noted above and also identify a contact person to receive notifications. Petitions should also identify a person who is authorized to engage in discussions regarding the application and, if resolution is reached, withdraw the petition. In order to facilitate the filing of requests for hearing during the COVID-19 emergency and consistent with the Department's Temporary Directive, the Office of Adjudications will accept electronically-filed petitions in addition to petitions submitted by mail. Petitions with required signatures may be filed by email to [deep.adjudications@ct.gov](mailto:deep.adjudications@ct.gov) or mailed to the DEEP Office of Adjudications, 79 Elm Street, Hartford, CT 06106. Within thirty (30) days of filing the petition, original petitions that were filed electronically must be also be mailed to the Office at the above-noted address. If the original petition exists only in electronic format or signatures were produced using a computer or typewriter, the petition must be submitted with a statement bearing the wet-ink signature of the petitioner that the petition is only available in that format and has been submitted to satisfy the requirement that an original petition be filed. If a



hearing is held, timely notice of such hearing will be published in a newspaper of general circulation and posted on the DEEP website at <https://www.ct.gov/deep>. Additional information can be found at <https://www.ct.gov/deep/adjudications>.

The Connecticut Department of Energy and Environmental Protection is an Affirmative Action and Equal Opportunity Employer that is committed to complying with the Americans with Disabilities Act. Please contact Antoanela Daha at 860-424 3025 or via email at [Antoanela.Daha@ct.gov](mailto:Antoanela.Daha@ct.gov) if you are seeking a communication aid or service, have limited proficiency in English, or require some other accommodation. If you wish to file an ADA or Title VI discrimination complaint, you may submit your complaint to Barbara Viadella or Cenit Mirabal, DEEP Office of Diversity and Equity at (860) 418-5910 or via email at [deep.accommodations@ct.gov](mailto:deep.accommodations@ct.gov). In order to facilitate efforts to provide an accommodation, please request all accommodations as soon as possible following notice of any agency hearing, meeting, program or event.



Oswald Inglese, Jr., Director  
Water Permitting and Enforcement Division  
Bureau of Materials Management and Compliance Assurance

February 9, 2021

Date