

UIC PERMIT MODIFICATION AND RENEWAL

**issued to**

Brunswick School, Inc.  
100 Mahar Ave  
Greenwich, CT 06830

**Location Address:**  
Brunswick School  
1248 King Street  
Greenwich, CT 06830

**Permit ID:** UI0000332

**Permit Expires:**

**Watershed:** Byram River

**Basin Code:** 7411

**SECTION 1: GENERAL PROVISIONS**

- (A) This permit is reissued and modified in accordance with section 1421 of the Federal Safe Drinking Water Act 42 USC 300h et. seq. and section 22a-430 of Chapter 446k, Connecticut General Statutes ("CGS"), and Regulations of Connecticut State Agencies ("RCSA") adopted thereunder, as amended.
- (B) Brunswick 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
- (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 discharge(s) may subject the transferee to enforcement action for discharging without a permit pursuant to applicable sections of the CGS and RCSA.
- (H) Nothing in this permit shall relieve the Permittee of other obligations under applicable federal, state and local law.
- (I) 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.
- (J) This permitted discharge is consistent with the applicable goals and policies of the Connecticut Coastal Management Act (section 22a-92 of the CGS).

## 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 section 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 February.
- "Average Monthly Discharge Limitation" 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.
- "Quarterly", in the context of a sampling frequency, shall mean sampling is required in the months of February, May, August, and November.
- "3 times per year", in the context of a maintenance frequency, shall mean the maintenance must be performed at least 3 times during the period of May to November.
- "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" in the context of this permit is defined as the average of the current month's samples (the current month average) averaged with the average from the previous eleven months.

## SECTION 3: FINAL DETERMINATION OF THE COMMISSIONER

- (A) The Commissioner has made a final determination and found that the modification of the existing system will protect the waters of the state from pollution. The Commissioner's final determination is based on **Application No. 201006165 and 201206820** for permit reissuance and modification received on November 9, 2010 and November 6, 2012 and the administrative record established in the processing of the applications.
- (B) The Commissioner hereby authorizes the Permittee to discharge a maximum flow of 12,400 gallons per day of domestic sewage in accordance with the provisions of this permit, the above referenced application, and all approvals issued by the Commissioner or the Commissioner's authorized agent for the discharges and/or activities authorized by, or associated with, this permit as follows:
- (1) From the issuance of this permit through and including the last day of the first calendar month of such issuance, the Commissioner hereby authorizes the Permittee to discharge in accordance with the terms and conditions of Permit No. UI0000332, issued by the Commissioner to the Permittee on December 22, 2004, the previous application submitted by the Permittee on June 6, 2002, and all modifications and approvals issued by the Commissioner or the Commissioner's authorized agent for the discharge and/or activities authorized by, or associated with, Permit No. UI0000332, issued by the Commissioner to the Permittee on December 22, 2004.
  - (2) Beginning on the first day of the month following the issuance of this permit, and continuing until this permit expires or is modified or revoked, the Commissioner hereby authorizes the Permittee to discharge in accordance with the terms and conditions of this permit, Application No. 201006165 for

reissuance received by the Department on November 9, 2010 and Application No. 201206820 for modification received by the Department on November 6, 2012, and all modifications and approvals issued by the Commissioner or the Commissioner's authorized agent for the discharge and/or activities authorized by, or associated with, 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 which 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 sewage system additives, as defined in section 22a-460(g) of the CGS, are prohibited unless such additive is registered with the Commissioner in accordance with section 22a-462-3 of the RCSA. The Commissioner in no way certifies the safety or effectiveness of any registered additive.
- (B) Oils, greases, industrial or commercial wastes, toxic chemicals, wastes from water treatment systems, 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 or any other process equipment necessary for the optimal removal of pollutants. The Permittee shall not bypass or 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 specific terms and conditions listed in this permit. The discharge is restricted by, and shall be monitored in accordance with the Tables A through D, 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 on a weekly basis. The Permittee shall report pH values, specifically maximum and minimum, for each day of sample collection.
- (G) The Permittee 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.
- (H) 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.
- (I) 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.
- (J) 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 3 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.

- (K) The Permittee shall monitor, inspect and maintain the treatment facilities in accordance with Table E, which is incorporated into this permit as Attachment 2.
- (L) The Permittee shall perform groundwater monitoring in accordance with Table F, which is incorporated into this permit as Attachment 3.
- (M) The monitoring and sampling required within this permit is a 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, HANDLING AND ANALYTICAL TECHNIQUES AND REPORTING REQUIREMENTS**

- (A) Chemical analyses to determine compliance with effluent limits and conditions established in this permit shall employ 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.
- (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 reported to the Commissioner within 30 days of the exceedance. Resampling for permit violations 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 by the end of the month following the month in which the samples are taken.
- (D) **Electronic Reporting:**  
Unless otherwise approved in writing by the Commissioner, no later than one-hundred-twenty (120) days after the issuance of this permit, the Permittee shall report chemical analysis, monitoring and maintenance data using the Department's Onsite Wastewater Reporting System, a web-based tool that allows Permittees to electronically submit DMRs *and other required reports* through a secure internet connection. The Permittee shall subscribe to and submit such data using the Onsite Wastewater Reporting System in accordance with subsection 5(F) below.
- (E) **Subscription to the Onsite Wastewater Reporting System:**  
On or before sixty (60) days after the issuance of this permit, the Permittee shall contact the Department and subscribe to the Onsite Wastewater Reporting System for electronic submission of DMR information *and other required reports*. Such subscription shall be by a person authorized to sign the Permittee's DMR and other reports as prescribed by RCSA Section 22a-430-3(b)(2) ("Signatory Authority"). To obtain a copy of the Subscriber Agreement form, please contact the Department at 860-424-3018.
- (F) **Submittal of Reports Using the Onsite Wastewater Reporting System:**  
On or before one-hundred-twenty (120) days after issuance of this permit, the Permittee shall through its Signatory Authority electronically submit DMRs and reports required under this permit to the Department using the Onsite Wastewater Reporting System in satisfaction of the DMR submission requirement of subsection 5(C) above, except that the Permittee shall still be required, in response to a permit limitation

violation, to submit to the Department a hard-copy report in accordance with subsection 5(H) below. Such report shall include a detailed explanation of such violation, corrective actions performed and a schedule for the completion of any corrective actions remaining. The Onsite Wastewater Reporting System is accessed from: <http://www.ctdeponsitereporting.org>.

(G) **Submittal of Onsite Wastewater Reporting System Opt-Out Requests:**

If the Permittee demonstrates in writing to the Department's satisfaction that use of the Onsite Wastewater Reporting System is not reasonably possible ("opt-out request") because of a factor such as technical or administrative infeasibility, the Commissioner may grant such request and approve the submission of DMRs and other required reports in hard-copy form. Opt-out requests must be submitted in writing to the Department for written approval on or before fifteen (15) days prior to the date the Permittee would be required under this permit to begin filing DMRs and other reports using the Onsite Wastewater Reporting System. This demonstration shall be valid for twelve (12) months from the date of the Department's approval and shall thereupon expire. On or before one-hundred-twenty (120) days after such expiration, the Permittee shall electronically submit DMRs and other reports to the Department in accordance with subsections 5(E) and 5(F).

Unless otherwise indicated by the Department, all opt-out requests and subscriber requests for the Onsite Wastewater Reporting System shall be sent to the following address:

**Attn: Onsite Wastewater Reporting System Coordinator**  
**Connecticut Department of Energy and Environmental Protection**  
**79 Elm Street**  
**Hartford, CT 06106-5127**

(H) **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 provided by this office. 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. The DMR shall also include a detailed explanation of any violations of the limitations specified and corrective actions performed, and a schedule for the completion of any corrective actions remaining.

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

- (I) Copies of all hard-copy DMRs shall be submitted concurrently to the local Health Department.
- (J) Copies of all hard-copy DMRs shall be submitted concurrently to the local Water Pollution Control Authority (hereinafter "WPCA").

**SECTION 6: COMPLIANCE SCHEDULE**

- (A) On or before seven (7) days after issuance of this permit, the Permittee shall record a copy thereof on the land records in the Town of Greenwich. On or before one (1) month after issuance of this permit, the Permittee shall submit written verification to the Commissioner that this permit has been recorded in the land records in the Town of Greenwich.
- (B) Every two 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 which 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 and performance logs/records; equipment specifications and 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 discovery.

- (C) A copy of each audit shall be submitted concurrently to the local WPCA and to the local Health Department.

This permit modification and renewal is hereby issued on

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Macky McCleary  
Deputy Commissioner  
Department of Energy and Environmental Protection

cc: Mark E. Lancor, P.E., DYMAR, Division of AML Corp.  
Greenwich Health Department  
DMR

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ATTACHMENT 1



<b>TABLE A</b>		
Discharge Serial No. 301-2		Monitoring Location: G (influent)
Wastewater Description: Domestic Sewage influent to Zenon system		
Monitoring Location Description: EQ sump		
Average Daily Flow: 13,400 gallons per day		Maximum Daily Flow: 20,000 gallons per day
<b>PARAMETER</b>	<b>INSTANTANEOUS MONITORING</b>	
	Sample Type	Sample Frequency
Biochemical Oxygen Demand	Grab	Twice per month
Total Suspended Solids	Grab	Twice per month
Total Kjeldahl Nitrogen	Grab	Twice per month

<b>TABLE B</b>		
Discharge Serial No. 301-2		Monitoring Location: J (intermediate)
Wastewater Description: Domestic Sewage		
Monitoring Location Description: Zenon process tank		
Average Daily Flow: 13,400 gallons per day		Maximum Daily Flow: 20,000 gallons per day
<b>PARAMETER</b>	<b>INSTANTANEOUS MONITORING</b>	
	Sample Type	Sample Frequency
Temperature	Grab	Twice per month
pH	Grab	Twice per month
Alkalinity	Grab	Twice per month
Turbidity	Grab	Continuous

<b>TABLE C</b>				
Discharge Serial No. 301-2			Monitoring Location: 1 (effluent)	
Wastewater Description: Domestic Sewage effluent				
Monitoring Location Description: Zenon process tank				
Average Daily Flow: 13,400 gallons per day			Maximum Daily Flow: 20,000 gallons per day	
<b>PARAMETER</b>	<b>INSTANTANEOUS MONITORING</b>			
	Average Monthly Limit	Maximum Concentration	Sample Type	Sample Frequency
Flow, gpd			Daily flow	
Biochemical Oxygen Demand	20 mg/l	30 mg/l	Grab	Twice per month
Total Suspended Solids	20 mg/l	30 mg/l	Grab	Twice per month
Total Nitrogen		10 mg/l	Grab	Twice per month
Total Phosphate		15 mg/l	Grab	Twice per month
pH				Weekly
Fecal Coliform	4 col/100ml			Weekly

<b>TABLE D</b>		
Discharge Serial No. 301-2		Monitoring Location: 1 (effluent)
Wastewater Description: Domestic Sewage effluent		
Monitoring Location Description: Water Storage Tank		
Average Daily Flow: 8,267 gallons per day		Maximum Daily Flow: 12,400 gallons per day
<b>PARAMETER</b>	<b>INSTANTANEOUS MONITORING</b>	
	Sample Type	Sample Frequency
Flow, gpd	Daily flow	Daily

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ATTACHMENT 2

<b>TABLE E</b>	
Discharge Serial No. 301-2	
Wastewater Description: Domestic Sewage	
<u>INSPECTION, MONITORING, or MAINTENANCE</u>	<u>MINIMUM FREQUENCY</u>
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 pump station	Monthly
Pump out pump chamber	Annually
Test run of emergency generator	Quarterly
Pump out holding tank	As needed
Water meter readings of water usage	Weekly
Pump out equalization tank	As Needed
Visual inspection of Zenon system	Monthly
Mechanical inspection of blowers	Monthly
Mechanical inspection of carbon feed system	Monthly
Visual inspection of UV-disinfection system	Monthly
Clean UV bulbs	Monthly
Visual inspection of distribution chambers	Quarterly
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>NOTE:</b> The Greenwich Health Department 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 Greenwich Health Department Director of Health.	

ATTACHMENT 3

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<b>TABLE F GROUNDWATER MONITORING</b>			
<b>DISCHARGE SERIAL NO. 301-A, 301-C, 301-D, 301-F</b>		<b>MONITORING LOCATION: W</b>	
<b>GROUND WATER MONITORING WELL NO.: GWMWA, GWMWC, GWMWD, GWMWF</b>		<b>DESCRIPTION: Downgradient monitoring wells</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, in	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**

**PERMIT #:** UI0000332      **APPLICATION #:** 201006165 and 201206820

**DISCHARGER NAME AND ADDRESS DATA**

**Permittee:** Brunswick School, Inc.

**Mailing Address:**

Street: 100 Maher Ave

City: Greenwich      ST: CT      Zip: 06830

**Contact Name:** Steven H. Dudley

**Location Address:**

Street: 1248 King Street

City: Greenwich      St. CT      Zip: 06830

**Contact Name:**

**PERMIT DURATION**

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

**DISCHARGE CATEGORIZATION**

POINT( )      NON-POINT(X)      GIS # \_\_\_\_\_

NPDES( )    PRETREAT( )    GROUND WATER(UIC)(X)    GROUND WATER (OTHER)( )

MAJOR( )      SIGNIFICANT MINOR( )      MINOR(X)

**COMPLIANCE SCHEDULE**    YES X    NO

POLLUTION PREVENTION( )    TREATMENT REQUIREMENT( )    WATER CONSERVATION( )

PERMIT STEPS ( )    WATER QUALITY REQUIREMENT( )    REMEDIATION( )    AUDIT LANGUAGE(X)

OTHER( )

**OWNERSHIP CODE**

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

**UIC PERMIT INFORMATION**

Total Wells 1      Well Type 5W12

**PERMIT FEES**

DISCHARGE CODE 312000a REPRESENTING DSN 301-2 ANNUAL FEE \$1,110.00

**DEEP STAFF ENGINEER/ANALYST**

Ramona Goode

**PERMIT TYPE**

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

**NATURE OF BUSINESS GENERATING DISCHARGE**

A private day school

**PROCESS AND TREATMENT DESCRIPTION (by DSN)**

DSN 301-2 represents the wastewater treatment plant serving the private day school. The treatment process consists of a grease trap, septic tank, pump chamber, flow equalization tank and Zenon Municipal Systems wastewater treatment and recycling system. The Zenon system utilizes aerobic and anoxic biological treatment processes, membrane filtration, and ultraviolet disinfection. Treated effluent is conveyed to a collection tank for reuse as flush water within the facility; surplus treated effluent is discharged to a subsurface sewage disposal system. Modifications to the treatment plant will include the addition of a post anoxic tank, new blowers, new pumps, and reconfiguration of the ethanol injection point. These modifications will increase the hydraulic capacity of the treatment plant and thereby increase the volume of treated effluent available for reuse within the school.

**RESOURCES USED TO DRAFT PERMIT**

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

**BASIS FOR LIMITATIONS, STANDARDS OR CONDITIONS**

- X Best Professional Judgment
- X Case by Case Determination

**OTHER COMMENTS**

A Zenon treatment system to treat a maximum daily flow of 20,000 gallons per day of domestic sewage is being proposed by Brunswick School. Currently the treatment system treats a maximum of 15,200 gallons per day of domestic sewage. The current treatment plant is required and will continue to be required once the treatment plant is



modified to meet limits on BOD, TSS, total nitrogen and bacteria prior to being discharged to a leach field. Pretreated water from the Zenon System is directed to a 13,250 gallon water storage tank. A minimum of 8,616 gallons per day of the treated wastewater will be recycled back to the buildings for use as flush water for toilets and urinals. After meeting its water recycling needs, the facility may discharge a maximum permitted flow of 12,400gpd of treated wastewater to the subsurface sewage disposal system. The proposed permit will require biannual compliance audits to evaluate compliance with all permit terms and conditions.

The request to increase the treatment plant capacity is to take into account the extra flow from a proposed new Natatorium for the expanded aquatics, physical education, and athletic program. The facility will serve its Lower, Middle, and Upper Schools students.

The school is in compliance with their permit. The total nitrogen limit has not been exceeded in over two years and the last exceedance of any permit limit was in December 2011.

### **PROJECT HISTORY**

Application received on November 9, 2010 and November 6, 2012.

**NOTICE OF TENTATIVE DECISION  
INTENT TO RENEW AND MODIFY 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 and modify a permit based on an application submitted by **Brunswick 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 modification of the existing system or installation of a new system would protect the waters of the state from pollution and the Commissioner proposes to require the applicant to submit plans and specifications of the modified treatment system and such additional information as the Commissioner deems necessary to ensure the protection of the waters of the state from pollution. If such plans are approved by the Commissioner and the treatment system is constructed in full compliance with the approval, the Commissioner proposes to renew and modify a permit for this discharge to the groundwaters in the Byram River watershed.

The proposed permit, if issued by the Commissioner, will require periodic monitoring to demonstrate that the discharge will not cause pollution.

**APPLICANT'S PROPOSAL**

Brunswick School, Inc. presently discharges a maximum flow of 12,400 gallons per day of treated domestic sewage to the groundwaters in the watershed of the Byram River from operations at a private day school. Brunswick School Inc. proposes to modify their existing permit to increase the capacity of the treatment plant, which incorporates water reuse, from 15,200 gallons per day to 20,000 gallons per day. The proposed modification will not increase the maximum permitted discharge of treated domestic sewage.

The name and mailing address of the permit applicant are:

Brunswick School, Inc.  
100 Maher Avenue  
Greenwich, CT 06830

The activity takes place at:

Brunswick School  
1248 King Street  
Greenwich, CT 06830

The proposed activity is within the coastal area as defined in C.G.S. Section 22a-94. Pursuant to C.G.S. Section 22a-98, the applicant must demonstrate that the activities are consistent with all applicable goals and policies in C.G.S. Section 22a-92, and that such activities incorporate all reasonable measures mitigating any adverse impacts on coastal resources and future water-dependent development activities.

## **REGULATORY CONDITIONS**

### **Type of Treatment**

The private day school is served by a treatment process consisting of a grease trap, septic tank, pump chamber, flow equalization tank and Zenon Municipal Systems wastewater treatment and recycling system. The Zenon system utilizes aerobic and anoxic biological treatment processes, membrane filtration, and ultraviolet disinfection. Treated effluent from the Zenon system will be discharged to a subsurface sewage disposal system with a portion of the total treated effluent being recycled after disinfection for use as flush water.

### **Effluent Limitations**

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

### **Compliance Schedule**

This permit contains an enforceable compliance schedule which requires the applicant to perform and submit to the Commissioner 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 (1) 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 (2) 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.: 201006165 and 201206820

PERMIT ID NO.: UI0000332

Interested persons may obtain copies of the application from:

DYMAR, Division of AML Corp.  
325 Main Street South  
Southbury, CT 06488  
Attn: Mark Lancor, P.E.  
(203) 267-1547

The application is available for inspection by contacting Ramona Goode at 860-424-3018, 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 Ramona Goode, 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 may also identify a person who is authorized to engage in discussions regarding the application and, if resolution is reached, withdraw the petition. Original petitions must be *mailed or delivered* to: DEEP Office of Adjudications, 79 Elm Street, 3<sup>rd</sup> floor, Hartford, CT, 06106-5127. Petitions cannot be sent by fax or email. Additional information can be found at [www.ct.gov/deep/adjudications](http://www.ct.gov/deep/adjudications).

The Department of Energy and Environmental Protection is an Affirmative Action/Equal Opportunity Employer. Persons with a disability who may need information in an alternative format should contact the ADA Coordinator at 860-424-3194 or at [DEEP.HRmed@CT.Gov](mailto:DEEP.HRmed@CT.Gov). Persons who are limited English proficient who may need information in another language should contact the Title VI Coordinator at (860) 424-3035 or at [DEEP.aaoffice@ct.gov](mailto:DEEP.aaoffice@ct.gov). Persons who are hearing impaired should call the State of Connecticut relay number 711. Discrimination complaints should be filed with the Title VI Coordinator.

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

Dated: 3/13/2013