

Underground Injection Control Program Fact Sheet

SECTION 1.0 FACILITY SUMMARY

APPLICANT	Regional School District No. 16
PERMIT NO.	UI0000502
APPLICATION NO.	202410119
DATE APPLICATION RECEIVED	October 7, 2024
LOCATION ADDRESS	75 New Haven Rd Prospect, CT 06712
FACILITY CONTACT	Mark Parrino, Director of Facilities mparrino@region16ct.org
MAILING ADDRESS	30 Coer Road Prospect, CT 06712
PERMIT TERM	10 Years
PERMIT TYPE	Renewal
PERMIT CATEGORY	UIC Class V Injection Well
TREATMENT DESCRIPTION	5W11 Conventional System
OWNERSHIP	Public
COMPLIANCE SCHEDULE	Yes
RECENT ENFORCEMENT HISTORY	Yes
RECEIVING WATERBODY	Groundwater in the Beacon Hill Brook Watershed
WATER QUALITY CLASSIFICATION(S)	GA
DISCHARGE LOCATION(S)	DSN 301-2
DEEP STAFF ENGINEER	Abigail Donahue (860) 424-3719 Abigail.Donahue@ct.gov

SECTION 2.0 PERMIT FEES

Discharge Code: 312000a Representing: DSN 301-2 Annual Fee: \$555

SECTION 3.0 NATURE OF BUSINESS GENERATING DISCHARGE

Prospect Elementary School is a 650-student elementary school in Prospect, CT with a conventional subsurface sewage disposal system consisting of a grease trap, a septic tank, and a leaching system. The leaching system consists of a lateral sand filter and native soils with six rows of 480 ft x 5 ft Cultec HD100 leaching chambers with stone on each side for a total of 2,400 sq.ft of leaching area.

Note: Prospect Elementary School is located in a public water supply watershed hence the facility's sewage disposal system falls within DEEPs permitting jurisdiction.

SECTION 4.0 PROJECT HISTORY

4.1 Renewal Application and Compliance Summary

On October 7, 2024, DEEP received an application for a permit renewal (App. No. 202410119) for the discharge of domestic sewage to a subsurface sewage treatment and disposal system from Regional School District No. 16 for the Prospect Elementary School in Prospect, CT. On November 1, 2024, DEEP issued a Notice of Insufficiency for this application due to missing Attachments A, B, C, and Q of the application. On February 4, 2025, Regional School District No. 16 submitted Attachments A, B, C, and Q. On February 10, 2025, DEEP issued a Notice of Sufficiency for this application.

On December 16, 2024, DEEP issued a Notice of Violation (NOV No. WRSS24006) for failure to submit Discharge Monitoring Reports. On January 2, 2025, the Regional School District No. 16 provided a compliance statement indicating they have created the necessary account in NetDMR to electronically submit DMRs. On January 27, 2025, the Notice of Violation was closed.

DEEP completed the review of the application and additional information, including a review of the available Discharge Monitoring Reports from August 2022 through February 2025, excluding Quarter 1 and Quarter 2 of 2023. These DMRs were submitted after the NOV was issued. The downgradient groundwater monitoring data showed that downgradient Monitoring Well No. 1 was frequently dry, while downgradient Monitoring Well No. 2 showed compliance with Connecticut Drinking Water Standards.

4.2 Site Visit

On March 6, 2025, DEEP performed a site visit with representatives of the permittee and its consultant present. The lawn over the leachfield was properly maintained, and the system appeared operational. The groundwater monitoring wells could not be located during the site visit. At DEEP's request, the consultant provided a map of the groundwater monitoring wells on April 22, 2025. Monitoring Well No. 1 is required to be replaced by the compliance schedule of the proposed permit because it is frequently dry.

SECTION 5.0 PROCESS AND TREATMENT DESCRIPTION (by DSN)

Conventional Treatment (X) Advanced Treatment () RECYCLE ()

DSN 301-2 represents the discharge from the existing conventional subsurface sewage disposal system.

SECTION 6.0 COMPLIANCE SCHEDULE

Does the permit include a compliance schedule? YES (X) NO ()

The proposed permit includes the following compliance schedules:

- 1) The recording of the permit in the town's land records.
- 2) The submittal of a Groundwater Monitoring Plan for the installation of new monitoring wells.
- 3) The performance and submittal of a detailed permit compliance audit every two years.

SECTION 7.0 BASIS FOR LIMITATIONS, PERMIT STANDARDS OR CONDITIONS

In accordance with section 22a-430 of the Regulations of Connecticut State Agencies ("Regs. Conn. State Agencies"), DEEP's "Seepage and Pollutant Renovation (1982)", and DEEP's review of the permit application, site investigation and hydraulic capacity and pollutant analyses of the wastewater, a determination has been made that the existing system protects the ground and surface water from pollution.

7.1 Leaching Bed Requirements

The six rows of plastic leaching chambers with the dimensions of 489 ft x 5 ft each, including stone surrounding leaching chambers, for a total of 2,445 sq. ft. are designed to accept 7,150 gallons per day. The leachfield is followed by a lateral sand filter. The leaching system and sand filter are lined with a 70,889 square foot, 30-millimeter-thick PVC liner.

The leaching bed, sand filter, and unsaturated zone downgradient of them are designed to absorb phosphorus and the absorption rate has been demonstrated through calculations thus limiting the discharge of significant concentrations of phosphorus to the groundwater.

Bacteria and virus inactivation is achieved as partially treated wastewater continues to flow through the unsaturated area under the leaching bed and downgradient of it. In accordance with the DEEPs design criteria, the minimum required travel time for the wastewater to all points of environmental concern is not less than 21 days.

7.2 Groundwater Monitoring Requirements

Groundwater monitoring at the edge of the property is required to ensure the treated domestic wastewater does not cause pollution. Groundwater leaving the site boundaries must meet the primary maximum contaminant levels (MCLs) in the Safe Drinking Water Act. Groundwater will be monitored for the following parameters: depth to groundwater (feet), nitrate, as N (mg/L), nitrite, as N (mg/L), ammonia, as N (mg/L), total Kjeldahl nitrogen, as N (mg/L), and total nitrogen, as N (mg/L), total phosphorus as P (mg/l), pH (standard units), and total coliform.

SECTION 8.0 VARIANCES AND WAIVERS

The facility did not request a variance or a waiver.

SECTION 9.0 PROPOSED CHANGES IN THE REISSUANCE

The following changes were made from the previous permit.

1. Requirement to submit a Groundwater Monitoring Plan to install new monitoring wells.
2. Requirement to submit Discharge Monitoring Reports electronically via NetDMR in lieu of hard copy submissions.
3. Requirement to submit all notifications of non-compliance and follow-up reports electronically through the DEEP online noncompliance reporting system.

SECTION 10.0 E-REPORTING

The permittee is required to electronically submit discharge monitoring reports.

SECTION 11.0 PUBLIC PARTICIPATION PROCEDURES

11.1 Information Requests

Interested persons may obtain copies of the application from J. Edwards & Associates, LLC, 227 Stepney Road, Easton, CT 06612, Telephone number 203-268-4205, jason@jedwardsassoc.com

The application is available for inspection by contacting Abigail Donahue at 860-424-3719 or Abigail.Donahue@ct.gov, 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 AM to 4:00 PM, 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.

11.2 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 thirty (30) days of this public notice. Written comments should be directed to Abigail Donahue, Bureau of Materials Management and Compliance Assurance, Department of Energy and Environmental Protection, 79 Elm Street, Hartford, CT 06106-5127 or DEEP.UICPermitting@ct.gov. 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 thirty (30) days prior to the hearing.

11.3 Petitions for Hearing

Petitions shall be submitted within thirty (30) days from the date of publication of this public notice and 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. Upon receipt of a petition, the Commissioner shall take action as required by relevant laws, including Public Act 25-84, which was effective upon passage in June 2025. The Office of Adjudications will accept electronically-filed petitions for hearing in addition to those submitted by mail or hand-delivered. Petitions with required signatures may be sent to deep.adjudications@ct.gov; those mailed or delivered should go to the DEEP Office of Adjudications, 79 Elm Street, Hartford, CT 06106. If the signed original petition is only in an electronic format, the petition must be submitted with a statement signed by the petitioner that the petition exists only in that form. Original petitions that were filed electronically must also be mailed or delivered to the Office of Adjudications within 30 days of electronic submittal. Additional information can be found at www.ct.gov/deep/adjudications.

The Connecticut Department of Energy and Environmental Protection is an Affirmative Action/Equal Opportunity Employer that is committed to complying with the requirements of the Americans with Disabilities Act (ADA). If you are seeking a communication aid or service, have limited proficiency in English, wish to file an ADA or Title VI discrimination complaint, or require some other accommodation, including equipment to facilitate virtual participation, please contact the DEEP Office of Diversity and Equity at 860-418-5910 or by email at deep.accommodations@ct.gov. Any person needing an accommodation for hearing impairment may call the State of Connecticut relay number - 711. In order to facilitate efforts to provide accommodation, please request all accommodations as soon as possible following notice of any agency hearing, meeting, program, or event.