

Connecticut Department of
**ENERGY &
ENVIRONMENTAL
PROTECTION**

NPDES PERMIT

issued to

Department of Transportation
2800 Berlin Turnpike, P.O. Box 317546
Newington, CT 06131-7546

Location Address:

I-95 Northbound, between Exit 2 and 3
Greenwich, CT

Facility ID: 057-086

Permit ID: CT0027201

Permit Expires: 12/22/2016

Receiving Stream : Quarry Pond

Drainage basin Code: 7000

Present/Future Water Quality Standard: SA

SECTION 1: GENERAL PROVISIONS

- (A) This permit is **reissued** in accordance with section 22a-430 of Chapter 446k, Connecticut General Statutes ("CGS"), and Regulations of Connecticut State Agencies ("RCSA") adopted thereunder, as amended, and section 402(b) of the Clean Water Act, as amended, 33 USC 1251, et. seq., and pursuant to an approval dated September 26, 1973, by the Administrator of the United States Environmental Protection Agency for the State of Connecticut to administer an N.P.D.E.S. permit program.
- (B) The Department of Transportation, ("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)(10)(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 section of the 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 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.
- (F) No provision of this permit and no action or inaction by the 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) Nothing in this permit shall relieve the Permittee of other obligations under applicable federal, state and local law.
- (H) This permitted discharge is consistent with the applicable goals and policies of the Connecticut Coastal Management Act (section 22a-92 of the Connecticut General Statutes).

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:

(1) "Annually" in the context of a sampling frequency, shall mean the sample must be collected in the month of May or the next month when a qualifying rainfall event occurs. See Section 6 of this permit.

(2) "n/a" shall mean not applicable.

(3) "n/r" shall mean not required.

(4) "---" in the limits column on the monitoring table means a limit is not specified but a value must be reported on the DMR.

SECTION 3: COMMISSIONER'S DECISION

(A) The Commissioner, has issued a final determination and found that the system installed for the treatment of the discharge will protect the waters of the state from pollution. The Commissioner's decision is based on **Application No. 200303787** for permit reissuance received on August 22, 2003 and the administrative record established in the processing of that application.

(B) The Commissioner hereby authorizes the Permittee to discharge 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.

(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 Clean Water Act or the CGS or regulations adopted thereunder, as amended. The permit as modified or renewed under this paragraph may also contain any other requirements of the Federal Clean Water Act or CGS or regulations adopted thereunder which are then applicable.

SECTION 4: GENERAL EFFLUENT LIMITATIONS

(A) No discharge shall contain, or cause in the receiving stream, a visible oil sheen or floating solids; or, cause visible discoloration or foaming in the receiving stream.

(B) No discharge shall cause acute or chronic toxicity in the receiving water body beyond any zone of influence specifically allocated to that discharge in this permit.

(C) The temperature of any discharge shall not increase the temperature of the receiving stream above 83°F, or, in any case, raise the temperature of the receiving stream by more than 4°F. The incremental temperature increase in coastal and marine waters is limited to 1.5°F during the period including July, August and September.

SECTION 5: SPECIFIC EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

(A) The discharge shall not exceed and shall otherwise conform to the specific terms and conditions listed below. The discharge is restricted by, and shall be monitored in accordance with, the table below:

Table A

Discharge Serial Number: 001-1

Monitoring Location: 1

Wastewater Description: Stormwater runoff from the weigh station and several I-95 & Town of Greenwich storm drains in the vicinity of the weigh station.

Monitoring Location Description: Discharge to Quarry Pond

PARAMETER	UNITS	FLOW/TIME BASED MONITORING				INSTANTANEOUS MONITORING			Minimum Level Test
		Average Monthly Limit	Maximum Daily Limit	Sample/Reporting Frequency	Sample Type or Measurement to be reported	Instantaneous limit or required range	Sample/Reporting Frequency	Sample Type or measurement to be reported	
Chemical Oxygen Demand	mg/l	NA	NA	NR	NA	---	Annually	Grab	NA
Oil Petroleum, Total Recoverable	mg/l	NA	NA	NR	NA	---	Annually	Grab	NA
Total Suspended Solids	mg/l	NA	NA	NR	NA	---	Annually	Grab	NA
Phosphorus, Total	mg/l	NA	NA	NR	NA	---	Annually	Grab	NA
Kjeldahl Nitrogen, Total	mg/l	NA	NA	NR	NA	---	Annually	Grab	NA
Nitrate as Nitrogen	mg/l	NA	NA	NR	NA	---	Annually	Grab	NA
Copper, Total	mg/l	NA	NA	NR	NA	---	Annually	Grab	NA
Lead, Total	mg/l	NA	NA	NR	NA	---	Annually	Grab	NA
Zinc, Total	mg/l	NA	NA	NR	NA	---	Annually	Grab	NA
pH	S.U.	NA	NA	NR	NA	---	Annually	Grab	NA
Acute Toxicity, LC50 Static 48Hr Daphnia pulex	%	NA	NA	NR	NA	---	Annually	Grab	NA

- (1) All samples shall be comprised of only the wastewater described in this table. Samples shall be collected prior to combination with receiving waters or wastewater of any other type, and after all approved treatment units, if applicable. All samples collected shall be representative of the discharge during standard operating conditions.
- (2) In cases where limits and sample type are specified but sampling is not required by this permit, the limits specified shall apply to all samples which may be collected and analyzed by the Department of Energy & Environmental Protection personnel, the Permittee, or other parties.
- (3) The limits imposed on the discharges listed in this permit take effect on the issuance date of this permit, hence any sample taken after this date which, upon analysis, shows an exceedance of permit limits will be considered non-compliance.

This permit becomes effective on the 1st day of the month following the date of signature. For permit renewals, the permittee shall continue to comply with the terms and conditions of the previously issued permit until the effective start date of the reissued permit.

SECTION 6: SAMPLE COLLECTION, HANDLING and ANALYTICAL TECHNIQUES

- A) All samples shall be collected from discharges resulting from a storm event that occurs at least 72 hours after any previous storm event generating a stormwater discharge. Any sample containing snow or ice melt must be identified on the Stormwater Monitoring Report form.

Grab samples shall be used for all monitoring and shall not be combined. Collection of grab samples shall begin during the first thirty (30) minutes of a storm event discharge (flow at sampling location) and shall be completed as soon as possible. Samples shall be taken at the outfall or nearest feasible location representative of the discharge. The uncontaminated rainfall pH measurement shall also be taken, when required, at this time. All discharge samples at a facility must be taken during the same storm event, if feasible.

- (B) Storm Event Information

The following information shall be collected for the storm events monitored:

- (i) The date, discharge temperature, time of the start of the discharge, time of sampling, and magnitude (in inches) of the storm event sampled;
- (ii) The pH of the uncontaminated rainfall (before it contacts the ground); and
- (ii) The duration between the storm event sampled and the end of the most recent storm event that produced a discharge.

- (C) Test Procedures

- (i) Unless otherwise specified in this permit, all pollutant parameters shall be tested according to methods prescribed in Title 40, Code of Federal Regulations (CFR), Part 136. Laboratory analyses must be consistent with Connecticut Reasonable Confidence Protocols.
- (iii) Acute toxicity biomonitoring tests shall be conducted according to the procedures specified in Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms, 5th edition (EPA 821-R-02-012). The following specific conditions apply:
 - a. Tests shall employ neonatal (less than 24-hour-old) *Daphnia pulex* as test organisms;
 - b. Tests shall be conducted at 20 +/- 1 degrees Centigrade;
 - c. Tests shall be forty-eight (48) hours in duration;

- d. Synthetic freshwater prepared as described in EPA 821-R-02-012 and adjusted to a hardness of 50 +/-5 mg/l as CaCO₃ shall be used as dilution water in all tests;
- e. The sample shall not be hardness or pH adjusted or altered in any way;
- f. The following test dilution series shall be utilized, expressed as percent stormwater sample: 100%, 50%, 25%, 12.5%, 6.25% and 0%;
- g. A minimum of twenty test organisms shall be exposed to each stormwater concentration, with each test concentration containing a minimum of four (4) test chambers. Each test chamber shall contain a minimum of five (5) test organisms;
- h. Test organisms shall not be fed during the test period;
- i. Test results shall be reported as the LC50 value determined using the procedure specified in EPA 821-R-02-012;
- j. Hardness in the stormwater sample and in the dilution control water shall be reported as mg/L as CaCO₃;
- k. Toxicity tests shall be initiated within thirty-six (36) hours of stormwater sample collection; and
- l. Any test in which the survival of test organisms is less than 90% in the combined control test vessels or failure to achieve test conditions as specified, such as maintenance of environmental controls, shall constitute an invalid test and will require stormwater resampling and retesting as soon as practicable.

SECTION 7: REPORTING REQUIREMENTS

- (A) The results of chemical analyses and any aquatic toxicity test required above shall be entered on the Discharge Monitoring Report (DMR), provided by this office, and reported to the Bureau of Materials Management and Compliance Assurance (Attn: DMR Processing) at the following address. The report shall also include a detailed explanation of any violations of the limitations specified. The DMR shall be received at this address by the last day of the month following the month in which samples are collected.

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

- (B) 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 and ATMR, as scheduled, indicating "NO DISCHARGE".
- (C) Prior to one-hundred and twenty (120) days after the issuance of this permit, the Permittee may either submit monitoring 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 twenty (120) 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:

1. Subscription to NetDMR

- a. On or before fifteen (15) 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

- a. On or before fifteen (15) 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 and subscribe to NetDMR for electronic submission of Discharge Monitoring Report (DMR) information. A copy of the NetDMR subscriber form is available on the Department's website.

2. Submittal of Reports Using NetDMR

- a. Unless otherwise approved by the Commissioner, on or before one-hundred and twenty (120) 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 of Section 7 of this permit, including but not limited to the electronic submission of any report in response to a permit violation, which at a minimum includes a detailed explanation of such violation, corrective actions performed and a schedule for the completion of any corrective actions remaining. NetDMR is accessed from the Department webpage: www.ct.gov/dep.
- b. DMRs shall be submitted electronically to the Department no later than the 15th day of the month following the completed reporting period. All reports required under the permit shall be submitted to the Department as an electronic attachment to the DMR. Once a Permittee begins submitting reports using NetDMR, it will no longer be required to submit hard copies of DMRs or other reports to the Department.

3. Submittal of NetDMR Opt-Out Requests

- a. 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 dep.netdmr@ct.gov.

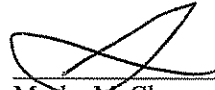
Attn: NetDMR Coordinator
Connecticut Department of Energy and Environmental Protection
79 Elm Street
Hartford, CT 06106-5127

SECTION 8: RECORDING AND REPORTING OF VIOLATIONS, ADDITIONAL TESTING REQUIREMENTS

- (A) The Permittee shall notify the Bureau of Materials Management and Compliance Assurance, Water Permitting and Enforcement Division, within 72 hours and in writing within thirty days of the discharge of any substance listed in the application but not listed in the permit if the concentration or quantity of that substance exceeds two times the level listed in the application.

This permit is hereby issued on

12/23/11



Macky McCleary
Deputy Commissioner