

DATA TRACKING AND TECHNICAL FACT SHEET

Permittee: Metropolitan District Commission

PERMIT, ADDRESS, AND FACILITY DATA

PERMIT #: CT0100170 APPLICATION #: 201002072 FACILITY ID. 043-001

<p><u>Mailing Address:</u> Street: P.O. Box 800 City: Hartford ST: CT Zip: 06142 Contact Name: Thomas A. Tyler Phone No.: (860) 278-7850 ext. 3511</p>	<p><u>Location Address:</u> Street: 65 Pitkin Street City: East Hartford ST: CT Zip: 06108 Contact Name: James Miller Phone No.: (860) 278-7850 ext.3483 DMR Contact email address: jmillier@themdc.com</p>
--	--

PERMIT INFORMATION

DURATION 5 YEAR 10 YEAR 30 YEAR

TYPE New Reissuance Modification

CATEGORIZATION POINT (X) NON-POINT () GIS #

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

NPDES MAJOR(MA)

NPDES SIGNIFICANT MINOR or PRETREAT SIU (SI)

NPDES or PRETREATMENT MINOR (MI)

COMPLIANCE SCHEDULE YES NO

POLLUTION PREVENTION TREATMENT REQUIREMENT

WATER QUALITY REQUIREMENT OTHER

OWNERSHIP CODE

Private Federal State Municipal (town only) Other public

DEP STAFF ENGINEER Catharine Chu DATE DRAFTED: July 8, 2016

PERMIT FEES

Discharge Code	DSN Number	Annual Fee
111000f	001-0	\$3,005.00

FOR NPDES DISCHARGES

Drainage Basin Code: 4000 Water Quality Classification Goal: SB

Segment: Connecticut River -03

NATURE OF BUSINESS GENERATING DISCHARGE

Municipal Sanitary Sewage Treatment

PROCESS AND TREATMENT DESCRIPTION (by DSN)

001-1 Secondary biological treatment and seasonal chlorination with dechlorination

RESOURCES USED TO DRAFT PERMIT

X Federal Effluent Limitation Guideline 40CFR 133 Secondary Treatment Category

- Performance Standards
- Federal Development Document
name of category
- Department File Information
- Connecticut Water Quality Standards
- Anti-degradation Policy
- Coastal Management Consistency Review Form
- Other - Explain

BASIS FOR LIMITATIONS, STANDARDS OR CONDITIONS

- Secondary Treatment (Section 22a-430-4(r) of the Regulations of Connecticut State Agencies)
- Case-by-Case Determination (See Other Comments)
- In order to meet in-stream water quality (See General Comments)
- Anti-degradation policy

GENERAL COMMENTS

The Metropolitan District Commission (MDC) operates a municipal water pollution control facility ("the facility") located at 65 Pitkin Street, East Hartford, CT 06108. The facility is designed to treat and discharge up to 12.5 million gallons a day of effluent into the Connecticut River. The facility currently uses secondary treatment with chlorine disinfection to treat effluent before being discharged. Pursuant to Conn. Gen. Stat. § 22a-430, the Department of Energy and Environmental Protection has issued the MDC a permit for the discharge from this facility. The MDC has submitted an application to renew its permit. The Department has made a tentative determination to approve MDC's application and has prepared a draft permit consistent with that determination.

The most significant changes from the current permit are the inclusion of revised bacteria monitoring requirements (e.g. enterococci), the addition of chronic aquatic toxicity monitoring to meet CT WQS, aluminum monitoring to be consistent with the most recent CT Water Quality Standards and iron monitoring to be consistent with EPA's National Recommended Water Quality Criteria. Fecal coliform will no longer be tested following implementation of enterococci testing since the discharge has no impact on shellfish beds.

SPECIFIC REQUIREMENTS OR REVISIONS

The Department reviewed the application for consistency with Connecticut's Water Quality Standards and determined that with the limits in the draft permit, including those discussed below, that the draft permit is consistent with maintenance and protection of water quality in accordance with the Tier I Anti-degradation Evaluation and Implementation Review provisions of such Standards.

The need for inclusion of water quality based discharge limitations in this permit was evaluated consistent with Connecticut Water Quality Standards and criteria, pursuant to 40 CFR 122.44(d). Discharge monitoring data was evaluated for consistency with the available aquatic life criteria (acute and chronic) and human health (fish consumption only) criteria, considering the zone of influence allocated to the facility where appropriate. In addition to this review, the statistical procedures outlined in the EPA Technical Support Document for Water Quality-based Toxics Control (EPA/505/2-90-001) were employed to calculate the need for such limits. Comparison of the attached monitoring data and its inherent variability with the calculated water quality based limits indicates a low statistical probability of exceeding such limits. Therefore, no water quality based limits were included in the permit

at this time.

WATER QUALITY LIMIT CALCULATIONS
See attached

DRAFT