DISCLAIMER

The full text of certain NPDES permits and the associated fact sheets has been made available to provide online access to this public information. EPA is making permits and fact sheets available electronically to provide convenient access for interested public parties and as a reference for permit writers. The ownership of these documents lies with the permitting authority, typically a State with an authorized NPDES program.

While EPA makes every effort to ensure that this web site remains current and contains the final version of the active permit, we cannot guarantee it is so. For example, there may be some delay in posting modifications made after a permit is issued. Also note that not all active permits are currently available electronically. Only permits and fact sheets for which the full text has been provided to Headquarters by the permitting authority may be made available. Headquarters has requested the full text only for permits as they are issued or reissued, beginning November 1, 2002.

Please contact the appropriate permitting authority (either a State or EPA Regional office) prior to acting on this information to ensure you have the most up-to-date permit and/or fact sheet. EPA recognizes the official version of a permit or fact sheet to be the version designated as such and appropriately stored by the respective permitting authority.

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DATA TRACKING AND TECHNICAL FACT SHEET

RECEIVED
AUG 2 0 2003
By

Permittee: City of Danbury **PAMS ID:** 92340

PERMIT, ADDRESS, AND FACILITY DATA

PERMIT #: CT0100145 **APPLICATION #:** 199300515 **FACILITY ID:** 034-00

Mailing Address: City of Danbury	Location Address: Danbury WPFC
Street: 155 Deer Hill Road	Street: Newtown Road
City: Danbury ST: CT Zip: 06810	City: Danbury ST: CT Zip: 06810
Contact Name: William Buckley Jr.	Contact Name: Matthew Isles
Phone No.: 203-797-4637	Phone No.: 203-748-9116

PERMIT INFORMATION

DURATION 5 YEAR X 10 YEAR __ 30 YEAR

TYPE New __ Reissuance X Modification

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

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

NPDES MAJOR(MA) X
NPDES SIGNIFICANT MINOR or PRETREAT SIU (SI)
NPDES or PRETREATMENT MINOR (MI)

COMPLIANCE SCHEDULE YES X NO

POLLUTION PREVENTION __ TREATMENT REQUIREMENT X
WATER QUALITY REQUIREMENT X OTHER

OWNERSHIP CODE

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

DEP STAFF ENGINEER Roy Fredricksen

PERMIT FEES

Discharge Code	DSN Number	Annual Fee
111000f	001	$1920

FOR NPDES DISCHARGES
Drainage basin Code: 6606 Present/Future Water Quality Standard: C/B

NATURE OF BUSINESS GENERATING DISCHARGE
Municipal Sanitary Sewage

PROCESS AND TREATMENT DESCRIPTION (by DSN)
Secondary treatment with nitrification, seasonal disinfection

RESOURCES USED TO DRAFT PERMIT

_X *Federal Effluent Limitation Guideline 40CFR 133*
Secondary Treatment Category

__ *Performance Standards*

__ *Federal Development Document*
name of category

_X *Department File Information*

_X *Connecticut Water Quality Standards*

_X *Anti-degradation Policy*

__ *Coastal Management Consistency Review Form*

__ *Other - Explain*

BASIS FOR LIMITATIONS, STANDARDS OR CONDITIONS

_X *Secondary Treatment*

_X *Case by Case Determination (See Other Comments)*

_X *Section 22a-430-4(r) of the Regulations of Connecticut State Agencies*

_X *In order to meet in-stream water quality (See General Comments)*

_X *Anti-degradation policy*

GENERAL COMMENTS
Water quality based discharge limitations were included in this permit for consistency with Connecticut Water Quality Standards and criteria, pursuant to 40 CFR 122.44(d).

SPECIFIC COMMENTS
Permit limits for copper, zinc, chlorine, and ammonia were derived from the Total Maximum Daily Load (TMDL) established by the Department of Environmental Protection for Limekiln Brook. The TMDL includes a wasteload allocation (WLA) to the Danbury WPCF for each parameter pursuant to the requirements of Section 303(d) of the Federal Clean Water Act.

Permit limits were calculated from the wasteload allocations consistent with EPA's Technical Support Document for Water Quality-based Toxics Control (EPA/505/2-90-001). Limits are expressed in the permit as concentrations for all parameters based on the long-term average treatment plant performance required to consistently meet the wasteload allocation for each parameter. Mass limits were converted to concentration units by dividing the calculated mass limit by the critical treatment plant flow used to develop the TMDL (13.15cfs for WLA that apply year round and 14.06cfs for WLA that apply during the winter only). Past monitoring data submitted by the Danbury WPCF was used to estimate expected variability in effluent quality (CV = 0.3 for copper and zinc; CV = 1.2 for ammonia). Limits for ammonia included in the previous permit were more restrictive than TMDL/WLA – based limits for the period June through September. These limits were retained in this permit as required to comply with the anti-backsliding provisions of 22a-430-4(l)(4)(A) of the Regulations of Connecticut State Agencies.

The permit includes interim limits for copper and zinc that reflect current performance and a five-year schedule to achieve the reductions in effluent concentrations of these metals necessary to achieve compliance with TMDL/WLA-based final

limits. The permit also includes performance-based limits for chlorine reflecting the expected operation of the dechlorination system. The Department considers compliance with the performance-based limits for chlorine sufficient to meet the WLA for chlorine established in the TMDL.

Several other conditions are included in this permit to address water quality issues. These include:

1. *A requirement to perform annual chronic toxicity testing of the discharge to evaluate potential chronic toxicity impacts of the discharge on Limekiln Brook.*

2. *Minimum Levels (ML) are established for several parameters that require the use of sensitive analytical methods and clean sampling techniques for monitoring effluent quality.*