AUTHORIZATION TO DISCHARGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of the Federal Clean Water Act as amended: (33 U.S.C. §§1251 et seq.; the "CWA"),

Town of Van Buren Wastewater Department

is authorized to discharge from a facility located at

Jackson Street
Van Buren, Maine

to receiving waters named Saint John River, a class C water

in accordance with effluent limitations, monitoring requirements and other conditions set forth herein.

This permit shall become effective April 1, 2000.

This permit and the authorization to discharge expire march 31, 2004.

This permit supersedes the permit issued on March 30, 1995.

This permit consists of 5 pages in Part I including effluent limitations, monitoring requirements, etc., Sludge Compliance Document and 35 pages in Part II including General Conditions and Definitions.

Signed this 2day of December, 1999

Linda M. Murphy, Director,
Office of Ecosystem Protection
Environmental Protection Agency
Boston, MA

PART 1.A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1.A During the period beginning the effective date and lasting through expiration, the permittee is authorized to discharge from outfall serial number **001-A,** treated sanitary wastewater to the St. John River. Such discharges shall be limited and monitored as specified below.

EFFLUENT CHARACTERISTIC	DISCHARGE LIMITATIONS					MONITORING REQUIREMENTS	
PARAMETER	**AVERAGE MONTHLY**	**AVERAGE WEEKLY**	**MAXIMUM DAILY**	**AVERAGE MONTHLY**	**AVERAGE WEEKLY**	**MEASUREMENT FREQUENCY**	**SAMPLE[3] TYPE**
FLOW	———	———	———	0.56 MGD	———	CONTINUOUS	RECORDER
BOD_5	140 lbs/Day 64 kgs/Day	210 lbs/Day 96 kgs/Day	234 lbs/Day[1] 106 kgs/Day	30 mg/l	45 mg/l	50 mg/l[1]	1/WEEK	24-HOUR COMPOSITE
TSS	140 lbs/Day 64 kgs/Day	210 lbs/Day 96 kgs/Day	234 lbs/Day[1] 106 kgs/Day	30 mg/l	45 mg/l	50 mg/l[1]	1/WEEK	24-HOUR COMPOSITE
SETTLEABLE SOLIDS[1]	———	———	———	———	Report ml/l	0.3 ml/l	1/DAY	GRAB
pH RANGE[1]	6.0 -8.5 SU SEE PERMIT PAGE 3 OF 5, PARAGRAPH I.B..a.						1/DAY	GRAB
CHLORINE RESIDUAL1[1,2]	———	———	———	———	———	1.0 mg/l	1/DAY	GRAB
E. Coli[1,2]	———	———	———	142/100 ml	———	949/100 ml	1/WEEK	GRAB

The discharge shall not cause a violation of the water quality standards of the receiving waters.

Footnotes

(1) Required for State certification.

(2) Total residual chlorine (TRC) and Escherichia coli limits are seasonal and shall apply between May 15th and September 30th each year. The limitations for E. coli and TRC shall apply year round if the MEDEP notifies the EPA and the POTW that seasonal disinfection is to be discontinued.

(3) All required effluent samples shall be collected at the end of the weir prior to the chlorine contact chamber with exception of samples for total residual chlorine which shall be taken from the end of the chlorine contact chamber. Any change in sampling location must be reviewed and approved in writing by EPA. All samples shall be tested using the analytical methods found in 40 CFR §136, or alternative methods approved by EPA in accordance with the procedures in 40 CFR §136. All samples shall be 24 hour composites unless specified as a grab sample in 40 CFR §136. Detection shall be defined as the MEDEP's "Reporting Limits for Priority Pollutants in Wastewater"

I.B. a. The pH of the effluent shall not be less than 6.0 nor greater than 8.5 at anytime.

b. The discharge shall not cause objectionable discoloration of the receiving waters.

c. The effluent shall contain neither a visible oil sheen, foam, nor floating solids at any time.

d. The permittee's treatment facility shall maintain a minimum of 85 percent removal of both total suspended solids and biochemical oxygen demand. The percent removal shall be based on monthly average values.

e. When the effluent discharged for a period of 90 consecutive days exceeds 80 percent of the designed flow, the permittee shall submit to the permitting authorities a projection of loadings up to the time when the design capacity of the treatment facility will be reached, and a program for maintaining satisfactory treatment levels consistent with approved water quality management plans.

I.C. All POTWs must provide adequate notice to the Director of the following:

a. Any new introduction of pollutants into that POTW from an indirect discharger in a primary industry category discharging process water; and

b. Any substantial change in the volume or character of pollutants being introduced into that POTW by a source introducing pollutants into the POTW at the time of issuance of the permit.

c. For purposes of this paragraph, adequate notice shall include information on:

(1) the quality and quantity of effluent introduced into the POTW; and

(2) any anticipated impact of the change on the quantity or quality of effluent to be discharged from the POTW.

I.D. LIMITATIONS FOR INDUSTRIAL USERS:

Pollutants introduced into POTW's by a non-domestic source (user) shall not Pass Through the POTW or Interfere with the operation or performance of the works.

I.E. SLUDGE CONDITIONS

1. The permittee shall comply with all existing federal & state laws and regulations that apply to sewage sludge use and disposal practices and with the CWA Section 405(d) technical standards.

2. The permittee shall comply with the more stringent of either the state or federal (40CFR part 503), requirements.

3. The requirements and technical standards of 40CFR part 503 apply to facilities which perform one or more of the following use or disposal practices.

a. Land application - the use of sewage sludge to condition or fertilize the soil
b. Surface disposal - the placement of sewage sludge in a sludge only landfill
c. Sewage sludge incineration in a sludge only incinerator

4. The 40CFR part 503 conditions do not apply to facilities which place sludge within a municipal solid waste landfill. These conditions also do not apply to facilities which do not dispose of sewage sludge during the life of the permit but rather treat the sludge (lagoons- reed beds), or are otherwise excluded under 40 CFR 503.6.

5. The permittee shall use and comply with the attached compliance guidance document to determine appropriate conditions. Appropriate conditions contain the following elements.

General requirements
Pollutant limitations
Operational Standards (pathogen reduction requirements and vector attraction reduction requirements
Management practices
Record keeping
Monitoring
Reporting

Depending upon the quality of material produced by a facility all conditions may not apply to the facility

6. The permittee shall monitor the pollutant concentrations, pathogen reduction and vector attraction reduction at the following frequency. This frequency is based upon the volume of sewage sludge generated at the facility in dry metric tons per year

less than 290	1/ year
290 to less than1500	1 /quarter
1500 to less than 15000	6 /year
15000 +	1 /month

7. The permittee shall sample the sewage sludge using the procedures detailed in 40 CFR 503.8

8. The permittee shall submit an annual report containing the information specified in the guidance. Reports are due annually by February 19. Reports shall be submitted to the address contained in the reporting section of the permit.

I.E. REPORTING

1. Copies of all reports including toxicity testing reports and schedule or compliance reports required herein, but excluding monthly Discharge Monitoring Reports (see item 2 below) shall be submitted to:

U.S. Environmental Protection Agency
Water Technical Unit
P. O. Box 8127
Boston, MA 02114

For express mail:

U.S. Environmental Protection Agency
Office of Environmental Stewardship - NPDES
One Congress Street
Suite 1100 - SEW
Boston, MA 02114-2023

2. Monitoring results obtained during the previous month shall be summarized for each month and reported on separate Discharge Monitoring Report forms provided by the MEDEP and postmarked no later than the 15th day of the month following the completed period.

A signed copy of the Discharge Monitoring Report Form and all other reports required herein, shall be submitted to the State at the following address:

Maine Department of Environmental Protection
1235 Central Drive, Skyway Park
Preesque Isle, Maine 04769

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION I
ONE CONGRESS STREET, SUITE 1100 - CME
BOSTON, MASSACHUSETTS 02114-2023

FACT SHEET

DRAFT NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT TO DISCHARGE TO WATERS OF THE UNITED STATES.

NPDES PERMIT NO.: ME0100684

PUBLIC NOTICE:

PUBLIC NOTICE No.:

NAME AND ADDRESS OF APPLICANT:

Town of Van Buren Wastewater Department
Jackson Street
Van Buren, Maine 04785

NAME AND ADDRESS OF FACILITY WHERE DISCHARGE OCCURS:

Van Buren Wastewater Treatment Facility
Jackson Street
Van Buren, Maine 04785

RECEIVING WATER: St. John River

CLASSIFICATION: C

I. Proposed Action, Type of Facility, and Discharge Location.

The above named applicant has requested that the U.S. Environmental Protection Agency reissue its NPDES permit to discharge into the designated receiving waters. The facility is engaged in the collection and treatment of municipal wastewater. The discharge is from a 0.56 MGD secondary treatment plant which employs activated sludge. The permit includes sludge monitoring requirements consistent with Section 405(d) of the Clean Water Act (CWA).

II. Description of Discharge.

The monitoring data for the wastewater treatment plant is summarized in Attachment A.

III. Limitations and Conditions.

The effluent limitations of the draft permit, the monitoring requirements, and implementation schedule (if required) may be found in the draft permit.

IV. Facility and Permitting History and Treatment Process Description

The Town of Van Buren Wastewater Treatment Facility is a 0.56 MGD secondary treatment plant located in Van Buren, Maine. The facility is engaged in the collection and treatment of wastewater from residential and light commercial areas in the Town of Van Buren, Maine. There are no industrial dischargers into the system. The sanitary collection system is separate from the storm water collection system.

Influent arriving at the plant enters one of two wetwells arranged in parallel before being pumped to the grit chamber. After the grit chamber, secondary treatment is achieved by activated sludge, followed by chlorine contact for seasonal disinfection. Aeration tank #2 is being used as a holding tank or aerobic digester for winter sludge storage.

The Town of Van Buren hired Wright-Pierce Engineers to produce preliminary plans for a rehabilitation and upgrade of the current treatment plant. The following is a summary of the recommended changes.

Influent Pump Station:	Wet well electrical and lighting modifications Replace electrical components in the dry well Replace impellers and motors.
Grit Removal Facilities	Replace grit tank aeration system Replace blower Instal new submersible grit pump and piping Install new grit dewatering screw Enclose grit room and provide new door to outside Modify channel to include a trap Install all new electrical equipment and lighting
Aeration Basins	Install new in fluent piping and modify existing channel Install barrier wall in existing aeration basin Ventilation system improvement
Aeration System	Replace existing blowers with 4 new blowers Convert lime room to blower room Install new line bubble aeration system in both tanks

Secondary Clarifiers	Instal new flow splitter structure Install two 40-foot clarifiers install domes on new clarifiers Miscellaneous site work Instal new piping to and from clarifiers
Solids Handling	Sludge handling equipment 3 new RAS pumps with VFDs 1 new WAS pump with VFD Sludge pumps control panel and flow meter Rehab. existing clarifier for sludge pumps Sludge/lime mixing tank Sludge Transfer pump Sludge Piping Rotary drum thickener Polymer system Thickening system controls Additional blower New sludge storage tank Aeration system (or existing clarifier Aeration system (or new sludge storage tank
Miscellaneous Costs	Upgrade electrical service and MCCs etc. to accommodate new equipment Ventilation Upgrades to meet codes Influent Pump Station wet well ventilation modification lnfluent PS Dry well ventilation modif& dehumidifier Grit Room all flew ventilation and beating equip. Chlorination Room Upgrade heating and ventilation Construct 2 bay garage (double depth) New Generator

Maine Discharge License

The Maine Department of Environmental Protection (MEDEP) maintains a separate but similar wastewater discharge licensing system to that of the EPA. The corresponding State License was reissued on October 7, 1994 is number W006675-46-B-R. Where possible, this permit will contain limits and conditions similar to the State License pending reissuance..

V. Recent Permit History

October 7, 1994	MEDEP issues Waste Discharge License No. W002675-46-B-R.
March 30, 1995	Reissuance of NPDES permit.
October 1, 1998	EPA issues a NPDES permit modification to eliminate whole effluent toxicity testing.
July 30, 1999	EPA determines NPDES reapplication is complete.
September 7, 1999	EPA/MEDEP prepermitting meeting in Van Buren and facility tour.

VI. Permit Basis and Explanation of Effluent Limitation Derivation

Effluent limitations for monthly and weekly average Biochemical Oxygen Demand (BOD_5) and Total Suspended Solids (TSS) are based on requirements under Section 301(b)(1)(B) of the Clean Water Act (CWA), 40 CFR 133.102. Daily maximum effluent limitations for BOD_5 and TSS, are based upon State certification requirements for Publicly Owned Treatment Works (POTW) under Section 401(d) of the CWA, 40 CFR 124.53 and 124.55.

BOD_5 and TSS Mass Loading Calculations:

Calculations of maximum allowable loads for average monthly, average weekly and daily maximum BOD_5 and TSS are based on the following equation.

L = C x DF x 8.34 or L = C x DF x 3.79 where:

L = Maximum allowable load in lbs/day (1 lb = 2.2 kg).
C = Maximum allowable effluent concentration for reporting period in mg/L. Reporting periods are average monthly and weekly and daily maximum.
DF = Design flow of facility in MGD.
8.34 = Factor to convert effluent concentration in mg/L and design flow in MGD to lbs/day.
3.79 = Factor to convert effluent concentration in mg/L and design flow in MGD to kgs/day.

Month Ave. [30] X 8.34 (Constant) X 0.56 (design flow) = 140 lb/day

Week Ave. [45] X 8.34 (Constant) X 0.56 (design flow) = 210 lb/day

Daily Max. [50] X 8.34 (Constant) X 0.56 (design flow) = 234 lb/day

Month Ave. [30] X 3.79 (Constant) X 0.56 (design flow) = 64 kg/day

Week Ave. [45] X 3.79 (Constant) X 0.56 (design flow) = 96 kg/day

Daily Max. [50] X 3.79 (Constant) X 0.56 (design flow) = 106 kg/day

Daily maximum effluent limitations for Escherichia coli bacteria as well as the range in pH, are based upon State certification requirements for Publicly Owned Treatment Works (POTW) under Section 401(d) of the CWA, 40 CFR 124.53 and 124.55, and Water Quality Considerations. The effluent limit for daily maximum total chlorine residual (TRC) is presently more stringent than water-quality criteria would dictate. The TRC limit of 1.0 mg/l is based on Best Professional Judgement (BPJ) under the authority granted in Section 402(a)(1) of the CWA and 40 CFR §125.3.

Settleable Solids limits are required by the MEDEP as State certification requirements for Publicly Owned Treatment Works (POTW) under Section 401(d) of the CWA. The MEDEP policy for settleable solids has undergone review and revision. The State now requires a daily maximum limit of 0.3 ml/l. The weekly average limit of 0.1 ml/l shall be replaced with a report only requirement.

The facility participates in the State's seasonal disinfection program. Limits and monitoring requirements for TRC and bacteria are suspended from October 1 through May 14th of each year. However, the State of Maine shall reserve the right to require year-round disinfection.

Section 405(d) of the CWA requires that sludge conditions be included in all municipal permits. The sludge conditions in the permit satisfy this requirement. Sludge generated from the facility is land applied to three privately owned sites. Sludge shall be sampled on a yearly basis (based on 53 dry metric tons).

The effluent monitoring requirements have been established to yield data representative of the discharge by the authority under Section 308(a) of the CWA in accordance with 40 CFR 122.41(j), 122.44, and 122.48.

The MEDEP recalculated the available dilution for the Van Buren Treatment Plant effluent on November 18, 1996. The dilutions are based on a plant design flow of 0.56 MGD and USGS river gage data.

Recurrence Interval	**Base Flow**	**Available Dilution**
1Q10	924 CFS	1067:1
7Q10	961 CFS	1110:1
Harmonic Mean	2884 CFS	3330:1

Both EPA and the MEDEP have exempted the Town of Van Buren from Whole Effluent Toxicity (WET) testing based on past test results and extremely high available dilution. See the October 1, 1998 modification fact sheet for more details.

The remaining general and special conditions of the permit are based on the NPDES regulations 40 CFR Parts §122 through §125 and consist primarily of management requirements common to all permits.

VII. RECEIVING WATER QUALITY STANDARDS

Maine law,MRSA Title 38, Article 4-A,§467.15(A)(4) states that the St. John River River from the International Bridge in Madawaska, to where the international boundary leaves the river in Hamlin, these waters within the state including impoundments, are classified as a Class C. Maine law 38 M.R.S.A., §465(4) states that Class C waters shall be suitable for the designated uses of drinking water supply after treatment; fishing; recreation in and on the water; industrial process and cooling water supply; hydroelectric power generation, except as prohibited under Title 12, Section 403; and navigation; and as a habitat for fish and other aquatic life.

Discharges to Class C waters may cause some changes to aquatic life, provided that the receiving waters shall be of sufficient quality to support all species of fish indigenous to the receiving waters and maintain the structure and function of the resident biological community.

Section 465(4) also states that the dissolved oxygen contents of Class C water may be not less than 5 parts per million or 60% of saturation, whichever is higher, except that in identified salmonid spawning areas where water quality is sufficient to ensure spawning, egg incubation and survival of early life stages, that water quality sufficient for these purposes must be maintained. Between May 15th and September 30th, the number of Escherichia coli bacteria of human origin in these waters may not exceed a geometric mean of 142 per 100 milliliters or an instantaneous level of 949 per 100 milliliters.

The 1996 State of Maine Water Quality Assessment (305b) Report published by the MEDEP states that the Class C segment of the river is attaining the standards of the assigned classification except for two miles (1 mile below Madawaska and 1 mile below Van Buren) do not attain bacterial standards due to 3 CSOs. These remaining CSOs are from the Canadian side of the St. John River.

VIII. Antibacksliding

Anti-backsliding does not apply as all limits are as stringent as the previous NPDES permit.

IX. Antidegradation

The Maine Antidegradation Policy is found at Sec. 2, 38 MRSA §464.4(F). All existing uses of the Saint John River must be protected. This draft permit has limitations as stringent or more stringent those in the current NPDES permit. The EPA anticipates that the MEDEP shall make a determination that there shall be no significant adverse impacts to the receiving waters and no loss of existing uses as a result of the discharge.

X. State Certification Requirements

EPA may not issue a permit unless the State Water Pollution Control Agency with jurisdiction over the receiving waters certifies that the effluent limitations contained in the permit are stringent enough to assure that the discharge will not cause the receiving water to violate State Water Quality Standards. The staff of the Maine Department of Environmental Protection has reviewed the draft permit and advised EPA that the limitations are adequate to protect water quality. EPA has requested permit certification by the State and expects that the draft permit will be certified.

XI. Comment Period, Hearing Requests, and Procedures for Final Decisions.

All persons, including applicants, who believe any condition of the draft permit is inappropriate must raise all issues and submit all available arguments and all supporting material for their arguments in full by the close of the public comment period, to the U.S. EPA, Office of Ecosystem Protection, One Congress Street, Suite 1100 - CME, Boston, Massachusetts 02114-2023. Any person, prior to such date, may submit a request in writing for a public hearing to consider the draft permit to EPA and the State Agency. Such requests shall state the nature of the issues proposed to be raised in the hearing. A public hearing may be held after at least thirty days public notice whenever the Regional Administrator finds that response to this notice indicates significant public interest. In reaching a final decision on the draft permit the Regional Administrator will respond to all significant comments and make these responses available to the public at EPA's Boston office.

Following the close of the comment period, and after a public hearing, if such hearing is held, the Regional Administrator will issue a final permit decision and forward a copy of the final decision to the applicant and each person who has submitted written comments or requested notice. Within 30 days following the notice of the final permit decision any interested person may submit a request for a formal hearing to reconsider or contest the final decision. Requests for formal hearings must satisfy the requirements of 40 CFR 124.74, 48 Fed. Reg. 14279-14280 (April 1, 1983).

XII. EPA CONTACT

Additional information concerning the draft permit may be obtained between the hours of 9:00 a.m. and 5:00 p.m., Monday through Friday, excluding holidays from:

Douglas M. Corb
U.S Environmental Protection Agency
Office of Ecosystem Protection
One Congress Street
Suite 1100 - CME
Boston, MA 02114-2023
Telephone: (617)918-1565

September 22, 1999
Date

Linda M. Murphy, Director
Office of Ecosystem Protection
US. Environmental Protection Agency

ME0100684 FACT SHEET ATTACHMENT A DMR DATA & VIOLATIONS

Acronyms: MVDT = DMR Date NODI = No discharge Code MQAV & MCAV = Monthly Average Limit
MQMX & MCMX = Daily Maximum Limit VQAV, VQMX, VCMN, VCAV & VCMX = Percent Violations in Corresponding columns

001A TREATED MUNICIPAL WASTEWATER BOD, 5-DAY PERCENT REMOVAL

MVDT	NODI	MQAV	MQMX	VQAV	VQMX	MCMN	MCAV	MCMX	VCMN	VCAV	VCMX
01/31/97				0	0	95			0	0	0
02/28/97				0	0	95			0	0	0
03/31/97				0	0	93			0	0	0
04/30/97				0	0	90			0	0	0
05/31/97				0	0	92			0	0	0
07/31/97				0	0	90			0	0	0
06/30/97				0	0	89			0	0	0
08/31/97				0	0	95			0	0	0
09/30/97				0	0	94			0	0	0
10/31/97				0	0	95			0	0	0
11/30/97				0	0	95			0	0	0
12/31/97				0	0	95			0	0	0
02/28/98				0	0	94			0	0	0
01/31/98				0	0	96			0	0	0
03/31/98				0	0	94			0	0	0
04/30/98				0	0	90			0	0	0
05/31/98				0	0	90			0	0	0
06/30/98				0	0	92			0	0	0
07/31/98				0	0	94			0	0	0
08/31/98				0	0	94			0	0	0
09/30/98				0	0	94			0	0	0
10/31/98				0	0	93			0	0	0
11/30/98				0	0	93			0	0	0
12/31/98				0	0	94			0	0	0
01/31/99				0	0	92			0	0	0
02/28/99				0	0	93			0	0	0
04/30/99				0	0	92			0	0	0
03/31/99				0	0	89			0	0	0
05/31/99				0	0	92			0	0	0
06/30/99				0	0	95			0	0	0
07/31/99				0	0	95			0	0	0
08/31/99				0	0	96			0	0	0

001A TREATED MUNICIPAL WASTEWATER SOLIDS, SUSPENDED PERCENT REMOVAL

0 MVDT	NODI	MQAV	MQMX	VQAV	VQMX	MCMN	MCAV	MCMX	VCMN	VCAV	VCMX
01/31/97				0	0	96			0	0	0
02/28/97				0	0	95			0	0	0
03/31/97				0	0	96			0	0	0
04/30/97				0	0	90			0	0	0
05/31/97				0	0	93			0	0	0
07/31/97				0	0	96			0	0	0
06/30/97				0	0	93			0	0	0
08/31/97				0	0	98			0	0	0
09/30/97				0	0	98			0	0	0
10/31/97				0	0	98			0	0	0
11/30/97				0	0	97			0	0	0
12/31/97				0	0	98			0	0	0
02/28/98				0	0	96			0	0	0
01/31/98				0	0	98			0	0	0
03/31/98				0	0	90			0	0	0
04/30/98				0	0	88			0	0	0
05/31/98				0	0	95			0	0	0
06/30/98				0	0	97			0	0	0
07/31/98				0	0	96			0	0	0
08/31/98				0	0	98			0	0	0
09/30/98				0	0	97			0	0	0
10/31/98				0	0	98			0	0	0
11/30/98				0	0	96			0	0	0
12/31/98				0	0	96			0	0	0
01/31/99				0	0	96			0	0	0
02/28/99				0	0	97			0	0	0
04/30/99				0	0	94			0	0	0
03/31/99				0	0	91			0	0	0
05/31/99				0	0	97			0	0	0
06/30/99				0	0	98			0	0	0
07/31/99				0	0	98			0	0	0
08/31/99				0	0	98			0	0	0

DMR DATA & VIOLATIONS

QL

QL
0

MVDT	NODI	MQAV	MQMX	VQAV	VQMX	MCMN	MCAV	MCMX	VCMN	VCAV	VCMX
01/31/97		16	19	0	0	8	10	10	0	0	0
02/28/97		15	19	0	0	8	10	10	0	0	0
03/31/97		17	20	0	0	9	10	10	0	0	0
04/30/97		46	68	0	0	7	10	10	0	0	0
05/31/97		27	32	0	0	6	7	7	0	0	0
07/31/97		18	22	0	0	8	10	10	0	0	0
06/30/97		22	25	0	0	9	11	11	0	0	0
08/31/97		9	11	0	0	5	6	6	0	0	0
09/30/97		10	14	0	0	5	7	7	0	0	0
10/31/97		12	14	0	0	7	8	8	0	0	0
11/30/97		12	18	0	0	6	7	7	0	0	0
12/31/97		10	12	0	0	6	7	7	0	0	0
02/28/98		17	26	0	0	9	10	10	0	0	0
01/31/98		11	15	0	0	7	9	9	0	0	0
03/31/98		43	72	0	0	8	10	10	0	0	0
04/30/98		39	50	0	0	8	8	8	0	0	0
05/31/98		19	21	0	0	7	10	10	0	0	0
06/30/98		16	18	0	0	7	8	8	0	0	0
07/31/98		21	54	0	0	5	6	6	0	0	0
08/31/98		18	22	0	0	7	10	10	0	0	0
09/30/98		14	18	0	0	7	8	8	0	0	0
10/31/98		15	18	0	0	7	9	9	0	0	0
11/30/98		18	22	0	0	7	8	8	0	0	0
12/31/98		18	45	0	0	5	7	7	0	0	0
01/31/99		13	19	0	0	6	7	7	0	0	0
02/28/99		13	15	0	0	7	8	8	0	0	0
04/30/99		32	41	0	0	8	9	9	0	0	0
03/31/99		31	55	0	0	6	8	8	0	0	0
05/31/99		19	23	0	0	8	10	10	0	0	0
06/30/99		15	19	0	0	8	9	9	0	0	0
07/31/99		15	22	0	0	9	12	12	0	0	0
08/31/99		13	20	0	0	8	11	11	0	0	0

001A TREATED MUNICIPAL WASTEWATER PH

	MVDT	NODI	MQAV	MQMX	VQAV	VQMX	MCMN	MCAV	MCMX	VCMN	VCAV	SU VCMX	EFFLUENT GROSS VALUE
0	01/31/97				0	0	6.8		7.3	0	0	0	
	02/28/97				0	0	6.7		7.0	0	0	0	
	03/31/97				0	0	6.7		7.3	0	0	0	
	04/30/97				0	0	6.8		7.4	0	0	0	
	05/31/97				0	0	6.8		7.3	0	0	0	
	07/31/97				0	0	6.8		7.2	0	0	0	
	06/30/97				0	0	6.8		7.4	0	0	0	
	08/31/97				0	0	6.8		7.6	0	0	0	
	09/30/97				0	0	6.8		7.4	0	0	0	
	10/31/97				0	0	6.9		7.3	0	0	0	
	11/30/97				0	0	6.9		7.1	0	0	0	
	12/31/97				0	0	6.9		7.4	0	0	0	
	02/28/98				0	0	6.8		7.0	0	0	0	
	01/31/98				0	0	6.8		7.2	0	0	0	
	03/31/98				0	0	6.7		7.3	0	0	0	
	04/30/98				0	0	6.7		7.0	0	0	0	
	05/31/98				0	0	6.7		7.1	0	0	0	
	06/30/98				0	0	6.8		7.2	0	0	0	
	07/31/98				0	0	6.7		7.4	0	0	0	
	08/31/98				0	0	6.7		7.2	0	0	0	
	09/30/98				0	0	7.0		7.4	0	0	0	
	10/31/98				0	0	7.0		7.1	0	0	0	
	11/30/98				0	0	7.0		7.2	0	0	0	
	12/31/98				0	0	6.8		7.0	0	0	0	
	01/31/99				0	0	6.8		7.3	0	0	0	
	02/28/99				0	0	6.8		7.3	0	0	0	
	04/30/99				0	0	6.8		7.0	0	0	0	
	03/31/99				0	0	6.8		7.0	0	0	0	
	05/31/99				0	0	6.9		7.1	0	0	0	
	06/30/99				0	0	6.6		9.2	0	0	8	
	07/31/99				0	0	6.9		7.2	0	0	0	
	08/31/99				0	0	6.9		7.2	0	0	0	

	001A TREATED MUNICIPAL WASTEWATER		SOLIDS, TOTAL			SUSPENDED			LBS/DY		MG/L	EFFLUENT GROSS VALUE	
0	MVDT	NODI	MQAV	MQMX	VQAV	VQMX	MCMN	MCAV	MCMX	VCMN	VCAV	VCMX	
	01/31/97		15	17	0	0	8	9	9	0	0	0	
	02/28/97		21	35	0	0	12	19	19	0	0	0	
	03/31/97		14	17	0	0	8	9	9	0	0	0	
	04/30/97		69	113	0	0	9	12	12	0	0	0	
	05/31/97		30	37	0	0	6	8	8	0	0	0	
	07/31/97		14	21	0	0	6	9	9	0	0	0	
	06/30/97		26	29	0	0	11	13	13	0	0	0	
	08/31/97		9	12	0	0	5	7	7	0	0	0	
	09/30/97		8	10	0	0	4	5	5	0	0	0	
	10/31/97		9	10	0	0	5	5	5	0	0	0	
	11/30/97		12	18	0	0	6	7	7	0	0	0	
	12/31/97		10	11	0	0	6	7	7	0	0	0	
	02/28/98		16	21	0	0	8	9	9	0	0	0	
	01/31/98		8	13	0	0	5	8	8	0	0	0	
	03/31/98		83	146	0	0	13	18	18	0	0	0	
	04/30/98		54	64	0	0	11	12	12	0	0	0	
	05/31/98		20	27	0	0	8	13	13	0	0	0	
	06/30/98		13	17	0	0	6	7	7	0	0	0	
	07/31/98		28	73	0	0	6	8	8	0	0	0	
	08/31/98		15	31	0	0	6	9	9	0	0	0	
	09/30/98		11	19	0	0	5	9	9	0	0	0	
	10/31/98		10	13	0	0	5	6	6	0	0	0	
	11/30/98		19	30	0	0	7	8	8	0	0	0	
	12/31/98		21	45	0	0	6	7	7	0	0	0	
	01/31/99		15	25	0	0	7	10	10	0	0	0	
	02/28/99		12	13	0	0	7	7	7	0	0	0	
	04/30/99		31	41	0	0	8	9	9	0	0	0	
	03/31/99		66	214	0	0	11	31	31	0	0	0	
	05/31/99		10	12	0	0	4	5	5	0	0	0	
	06/30/99		9	10	0	0	5	6	6	0	0	0	
	07/31/99		7	10	0	0	4	6	6	0	0	0	
	08/31/99		9	10	0	0	5	6	6	0	0	0	

0 DSDG	PIPE	PRAM							LQUC	LCUC	MLOC
	001A TREATED MUNICIPAL WASTEWATER	SOLIDS, SETTLEABLE									ML/L EFFLUENT GROSS VALUE
0	MVDT	NODI	MQAV	MQMX	VQAV	VQMX	MCMN	MCAV	MCMX	VCMN	VCAV	VCMX
	01/31/97				0	0	.05		.05	0	0	0
	02/28/97				0	0	.05		.05	0	0	0
	03/31/97				0	0	0.2		4.5	100	0	1400
	04/30/97				0	0	.05		0.2	0	0	0
	05/31/97				0	0	.05		.2	0	0	0
	07/31/97				0	0	.05		.05	0	0	0
	06/30/97				0	0	0.05		0.05	0	0	0
	08/31/97				0	0	0.05		0.05	0	0	0
	09/30/97				0	0	.05		.05	0	0	0
	10/31/97				0	0	.05		.05	0	0	0
	11/30/97				0	0	.05		.05	0	0	0
	12/31/97				0	0	0.05		0.05	0	0	0
	02/28/98				0	0	0.05		0.1	0	0	0
	01/31/98				0	0	0.05		0.05	0	0	0
	03/31/98				0	0	0.2		4.5	100	0	1400
	04/30/98				0	0	0.1		0.5	0	0	67
	05/31/98				0	0	0.05		0.1	0	0	0
	06/30/98				0	0	0.05		0.05	0	0	0
	07/31/98				0	0	0.05		0.05	0	0	0
	08/31/98				0	0	0.05		0.1	0	0	0
	09/30/98				0	0	0.05		0.05	0	0	0
	10/31/98				0	0	0.05		0.05	0	0	0
	11/30/98				0	0	0.05		0.05	0	0	0
	12/31/98				0	0	.6		16.0	500	0	5233
	01/31/99				0	0	0.05		0.05	0	0	0
	02/28/99				0	0	0.05		0.05	0	0	0
	04/30/99				0	0	0.05		0.05	0	0	0
	03/31/99				0	0	.05		.05	0	0	0
	05/31/99				0	0	0.05		0.05	0	0	0
	06/30/99				0	0	0.05		0.05	0	0	0
	07/31/99				0	0	1.05		30.0	950	0	9900
	08/31/99				0	0	0.05		0.05	0	0	0

001A TREATED MUNICIPAL WASTEWATER E.COLI, THERMOTOL, MF, M-TEC #/ 100ML EFFLUENT GROSS VALUE

DMR DATA & VIOLATIONS

QL

****

QL

0

MVDT	NODI	MQAV	MQMX	VQAV	VQMX	MCMN	MCAV	MCMX	VCMN	VCAV	VCMX
05/31/97				0	0	17		20	0	0	0
07/31/97				0	0	63		180	0	0	0
06/30/97				0	0	48		140	0	0	0
08/31/97				0	0	28		40	0	0	0
09/30/97				0	0	28		40	0	0	0
05/31/98				0	0	23		40	0	0	0
06/30/98				0	0	124		480	0	0	0
07/31/98				0	0	140		240	0	0	0
08/31/98				0	0	92		200	0	0	0
09/30/98				0	0	108		210	0	0	0
05/31/99				0	0	34		130	0	0	0
06/30/99				0	0	132		340	0	0	0
07/31/99				0	0	13		30	0	0	0
08/31/99				0	0	10		10	0	0	0

001A TREATED MUNICIPAL WASTEWATER FLOW, IN CONDUIT OR THRU TREATMENT PLANT — MGD — EFFLUENT GROSS VALUE

0 MVDT	NODI	MQAV	MQMX	VQAV	VQMX	MCMN	MCAV	MCMX	VCMN	VCAV	VCMX
01/31/97		0.24		0	0				0	0	0
02/28/97		0.21		0	0				0	0	0
03/31/97		0.28		0	0				0	0	0
04/30/97		0.80		43	0				0	0	0
05/31/97		.71		27	0				0	0	0
07/31/97		0.29		0	0				0	0	0
06/30/97		0.30		0	0				0	0	0
08/31/97		0.23		0	0				0	0	0
09/30/97		0.22		0	0				0	0	0
10/31/97		0.21		0	0				0	0	0
11/30/97		0.25		0	0				0	0	0
12/31/97		0.20		0	0				0	0	0
02/28/98		.28		0	0				0	0	0
01/31/98		.20		0	0				0	0	0
03/31/98		0.62		11	0				0	0	0
04/30/98		0.65		16	0				0	0	0
05/31/98		0.39		0	0				0	0	0
06/30/98		0.28		0	0				0	0	0
07/31/98		0.45		0	0				0	0	0
08/31/98		0.25		0	0				0	0	0
09/30/98		0.26		0	0				0	0	0
10/31/98		0.27		0	0				0	0	0
11/30/98		0.28		0	0				0	0	0
12/31/98		0.30		0	0				0	0	0
01/31/99		0.25		0	0				0	0	0
02/28/99		0.20		0	0				0	0	0
04/30/99		0.52		0	0				0	0	0
03/31/99		0.53		0	0				0	0	0
05/31/99		0.27		0	0				0	0	0
06/30/99		0.23		0	0				0	0	0
07/31/99		0.24		0	0				0	0	0
08/31/99		0.24		0	0				0	0	0

0 DSDG	PIPE		PRAM					LQUC		LCUC		MLOC
001A	TREATED MUNICIPAL WASTEWATER		CHLORINE, TOTAL		RESIDUAL						MG/L	EFFLUENT GROSS VALUE
0	MVDT	NODI	MQAV	MQMX	VQAV	VQMX	MCMN	MCAV	MCMX	VCMN	VCAV	VCMX	
	05/31/97				0	0			.5	0	0	0	
	07/31/97				0	0			0.3	0	0	0	
	06/30/97				0	0			0.5	0	0	0	
	08/31/97				0	0			0.1	0	0	0	
	09/30/97				0	0			.3	0	0	0	
	05/31/98				0	0			0.6	0	0	0	
	06/30/98				0	0			0.4	0	0	0	
	07/31/98				0	0			0.4	0	0	0	
	08/31/98				0	0			.3	0	0	0	
	09/30/98				0	0			0.4	0	0	0	
	05/31/99				0	0			0.4	0	0	0	
	06/30/99				0	0			0.5	0	0	0	
	07/31/99				0	0			0.4	0	0	0	
	08/31/99				0	0			0.3	0	0	0	

0 DSDG	PIPE		PRAM					LQUC		LCUC		MLOC
001A	TREATED SANITARY WASTEWATER		LC50 STAT 48HR ACU CERIODAPHNIA							PER-	CENT	EFFLUENT GROSS VALUE
0	MVDT	NODI	MQAV	MQMX	VQAV	VQMX	MCMN	MCAV	MCMX	VCMN	VCAV	VCMX	
	06/30/94				0	0	>100			0	0	0	
	12/31/94	A			0	0				0	0	0	

0 DSDG	PIPE		PRAM					LQUC		LCUC		MLOC
001A	TREATED SANITARY WASTEWATER		LC50 STAT 48HR ACU PIMEPHALES							PER-	CENT	EFFLUENT GROSS VALUE
0	MVDT	NODI	MQAV	MQMX	VQAV	VQMX	MCMN	MCAV	MCMX	VCMN	VCAV	VCMX	
	06/30/94				0	0	>100			0	0	0	
	12/31/94	A			0	0				0	0	0	