



STATE OF CONNECTICUT  
DEPARTMENT OF ENVIRONMENTAL PROTECTION



MUNICIPAL NPDES PERMIT

issued to

**Permittee:**

Town of Plainville  
One Central Square  
Plainville, Connecticut 06062-1955

**Location Address:**

Plainville WPCF  
Cronk Road  
Plainville, Connecticut 06062-1955

**Facility ID:110-001**

**Permit ID: CT0100455**

**Permit Expires: August 30, 2010**

**Receiving Stream: Pequabuck River**

**Design Flow Rate: 3,800,000 gpd**

**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 a N.P.D.E.S. permit program.
- (B) The Town of Plainville, ("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.** To the extent this permit imposes conditions more stringent than those found in the regulations, this permit shall apply.

**Section 22a-430-3 General Conditions**

- (a) Definitions
- (b) General
- (c) Inspection and Entry
- (d) Effect of a Permit
- (e) Duty to Comply
- (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
- (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 or Application Transfer
  - (p) Permit Revocation, Denial or Modification
  - (q) Variances
  - (r) Secondary Treatment Requirements
  - (s) Treatment Requirements
  - (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-157b of the CGS.
- (E) The permittee shall comply with Section 22a-416-1 through Section 22a-416-10 of the RCSA concerning operator certification.
- (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) An annual fee shall be paid for each year this permit is in effect as set forth in Section 22a-430-7 of the RCSA. As of August 20, 2003 the annual fee is \$ 2242.50.

## 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, except for "Composite", "No Observable Acute Effect Level (NOAEL)" and "Grab Sample Average" which are redefined below.
- (B) In addition to the above, the following definitions shall apply to this permit:
- "———" in the limits column on the monitoring tables in Attachment 1 means a limit is not specified but a value must be reported on the DMR, MOR, NAR, and/or the ATMR.
- "Annual" in the context of any sampling frequency, shall mean the sample must be collected in the month of July.
- "Average Monthly Limit" means the maximum allowable "Average Monthly Concentration" as defined in Section 22a-430-3(a) of the RCSA when expressed as a concentration (e.g. mg/l); otherwise, it means "Average Monthly Discharge Limitation" as defined in Section 22a-430-3(a) of the RCSA.
- "Bi-Weekly" in the context of any sampling frequency, shall mean once every two weeks.
- "Composite" or "(C)" means a sample consisting of a minimum of eight aliquot samples collected at equal intervals of no less than 30 minutes and no more than 60 minutes and combined proportionally to flow over the sampling period provided that during the sampling period the peak hourly flow is experienced.
- "Critical Test Concentration" or "(CTC)" means the specified effluent dilution at which the permittee is to conduct a single-concentration Aquatic Toxicity Test.

**"Daily Composite"** or **"(DC)"** means a composite sample taken over a full operating day consisting of grab samples collected at equal intervals of no more than sixty (60) minutes and combined proportionally to flow; or, a composite sample continuously collected over a full operating day proportionally to flow.

**"Daily Concentration"** means the concentration of a substance as measured in a daily composite sample, or, arithmetic average of all grab sample results defining a grab sample average.

**"Daily Quantity"** means the quantity of waste discharged during an operating day.

**"Geometric Mean"** is the "n"th root of the product of "n" observations.

**"Infiltration"** means water other than wastewater that enters a sewer system (including sewer system and foundation drains) from the ground through such means as defective pipes, pipe joints, connections, or manholes. Infiltration does not include, and is distinguished from, inflow.

**"Inflow"** means water other than wastewater that enters a sewer system (including sewer service connections) from sources such as, but not limited to, roof leaders, cellar drains, yard drains, area drains, drains from springs and swampy areas, cross connections between storm sewers and sanitary sewers, catch basins, cooling towers, storm waters, surface runoff, street wash waters, or drainage. Inflow does not include, and is distinguished from, infiltration.

**"Instantaneous Limit"** means the highest allowable concentration of a substance as measured by a grab sample, or the highest allowable measurement of a parameter as obtained through instantaneous monitoring.

**"In-stream Waste Concentration"** or **"(IWC)"** means the concentration of a discharge in the receiving water after mixing has occurred in the allocated zone of influence.

**"Maximum Daily Limit"** means the maximum allowable "Daily Concentration" (defined above) when expressed as a concentration (e.g. mg/l), otherwise, it means the maximum allowable "Daily Quantity" as defined above, unless it is expressed as a flow quantity. If expressed as a flow quantity it means "Maximum Daily Flow" as defined in Section 22a-430-3(a) of the RCSA.

**"Monthly Minimum Removal Efficiency"** means the minimum reduction in the pollutant parameter specified when the effluent average monthly concentration for that parameter is compared to the influent average monthly concentration.

**"NA"** as a Monitoring Table abbreviation means "not applicable".

**"NR"** as a Monitoring Table abbreviation means "not required".

**"No Observable Acute Effect Level"** or **"(NOAEL)"** means any concentration equal to or less than the critical test concentration in a single concentration (pass/fail) toxicity test, conducted pursuant to Section 22a-430-3(j)(7)(A)(i) of the RCSA, demonstrating 90% or greater survival of test organisms at the CTC.

**"Quarterly"** in the context of any sampling frequency, shall mean sampling is required in the months of January, April, July, and October.

**"Range During Sampling"** or **"(RDS)"** as a sample type means the maximum and minimum of all values recorded as a result of analyzing each grab sample of; 1) a Composite Sample, or, 2) a Grab Sample Average. For those permittees with pH meters that provide continuous monitoring and recording, Range During Sampling means the maximum and minimum readings recorded with the continuous monitoring device during the Composite or Grab Sample Average sample collection.

**"Range During Month"** or **"(RDM)"** as a sample type means the lowest and the highest values of all of the monitoring data for the reporting month.

**"MGD"** means million gallons per day.

**"Sanitary Sewage"** means wastewaters from residential, commercial and industrial sources introduced by direct connection to the sewerage collection system tributary to the treatment works including non-excessive inflow/infiltration sources.

**"Twice per Month"** in the context of any sampling frequency, mean two samples per calendar month collected no less than 12 days apart.

**"ug/l"** means micrograms per liter

**"Work Day"** in the context of a sampling frequency means, Monday through Friday excluding holidays.

### **SECTION 3: COMMISSIONER'S DECISION**

- (A) The Commissioner of Environmental Protection ("Commissioner") has issued a final decision and found continuance of the existing system to treat the discharge will protect the waters of the state from pollution. The Commissioner's decision is based on application #200402840 for permit reissuance received on November 9, 2004 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 his 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, if required after Public Notice, 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 LIMITATIONS AND OTHER CONDITIONS**

- (A) The Permittee shall not accept any new sources of non-domestic wastewater conveyed to its POTW through its sanitary sewerage system or by any means other than its sanitary sewage system unless the generator of such wastewater; (a) is authorized by a permit issued by the Commissioner under Section 22a-430 CGS (individual permit), or, (b) is authorized under Section 22a-430b (general permit), or, (c) has been issued an emergency or temporary authorization by the Commissioner under Section 22a-6k. All such non-domestic wastewaters shall be processed by the POTW via receiving facilities at a location and in a manner prescribed by the permittee which are designed to contain and control any unplanned releases.
- (B) No new discharge of domestic sewage from a single source to the POTW in excess of 50,000 gallons per day may be authorized by the permittee until the discharger has registered the discharge under the "General Permit for Domestic Sewage" reissued by the Commissioner on June 12, 2002 pursuant to Section 22a-430b of the CGS.
- (C) The permittee shall maintain a system of user charges based on actual use sufficient to operate and maintain the POTW (including the collection system) and replace critical components.
- (D) The permittee shall maintain a sewer use ordinance that is consistent with the Model Sewer Ordinance for Connecticut Municipalities prepared by the Department of Environmental Protection. The Commissioner of Environmental Protection alone may authorize certain discharges which may not conform to the Model Sewer Ordinance.
- (E) 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.
- (F) No discharge shall cause acute or chronic toxicity in the receiving water body beyond any Zone Of Influence (ZOI) specifically allocated to that discharge in this permit.
- (G) The permittee shall maintain an alternate power source adequate to provide full operation of all pump stations in the sewerage collection system and to provide a minimum of primary treatment and disinfection at the water pollution control facility to insure that no discharge of untreated wastewater will occur during a failure of a primary power source.
- (H) The average monthly effluent concentration shall not exceed 10% of the average monthly influent concentration for

BOD<sub>5</sub>, and Total Suspended Solids, for all daily composite samples taken in any calendar month.

- (I) Any new or increased amount of sanitary sewage discharge to the sewer system is prohibited where it will cause a dry weather overflow or exacerbate an existing dry weather overflow.
- (J) Sludge Conditions
  - (1) The permittee shall comply with all existing federal and state laws and regulations that apply to sewage sludge use and disposal practices, including but not limited to 40 CFR Part 503.
  - (2) If an applicable management practice or numerical limitation for pollutants in sewage sludge more stringent than existing federal and state regulations is promulgated under Section 405(d) of the Clean Water Act (CWA), this permit shall be modified or revoked and reissued to conform to the promulgated regulations.
  - (3) The permittee shall give prior notice to the Commissioner of any change(s) planned in the permittees' sludge use or disposal practice. A change in the permittees' sludge use or disposal practice may be a cause for modification of the permit.
- (K) 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 exceedence of permit limits will be considered non-compliance.
- (L) When the arithmetic mean of the average daily flow from the POTW for the previous 180 days exceeds 90% of the design flow rate, the permittee shall develop and submit for the review of the Commissioner within one year, a plan to accommodate future increases in flow to the plant. This plan shall include a schedule for completing any recommended improvements and a plan for financing the improvements.
- (M) When the arithmetic mean of the average daily BOD<sub>5</sub>, or TSS loading into the POTW for the previous 180 days exceeds 90% of the design load rate, the permittee shall develop and submit for the review of the Commissioner within one year, a plan to accommodate future increases in load to the plant. This plan shall include a schedule for completing any recommended improvements and a plan for financing the improvements.
- (N) On or before July 31<sup>st</sup> of each calendar year the main flow meter shall be calibrated by an independent contractor in accordance with the manufacturers' specifications. The actual record of the calibration shall be retained onsite and, upon request, the permittee shall submit to the Commissioner a copy of that record.
- (O) The permittee shall operate and maintain all processes as installed in accordance with the approved plans and specifications and as outlined in the associated operation and maintenance manual. This includes but is not limited to all recycle pumping systems, aeration equipment, aeration tank cycling, mixing equipment, anoxic basin, chemical feed systems, effluent filters or any other process equipment necessary for the optimal removal of pollutants. The permittee shall not bypass or fail to operate any of the approved equipment or processes without the written approval of the Commissioner.
- (P) The permittee is hereby authorized to accept septage at the treatment facility; or other locations as approved by the Commissioner.
- (Q) The temperature of any discharge shall not increase the temperature of the receiving stream above 85°F, or, in any case, raise the normal temperature of the receiving stream more than 4°F.

#### **SECTION 5: SPECIFIC EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS**

- (A) The discharge(s) shall not exceed and shall otherwise conform to the specific terms and conditions listed in this permit. The discharge is restricted by, and shall be monitored in accordance with Tables A through E incorporated in this permit as Attachment 1.
- (B) The Permittee shall monitor the performance of the treatment process in accordance with the Monthly Operating Report (MOR) and the Nutrient Analysis Report (NAR) incorporated in this permit as Attachment 2, Tables A and B, respectively.

**SECTION 6: SAMPLE COLLECTION, HANDLING and ANALYTICAL TECHNIQUES**

**(A) Chemical Analysis**

- (1) Chemical analyses to determine compliance with effluent limits and conditions established in this permit, shall be performed using the methods approved pursuant to the Code of Federal Regulations, Part 136 of Title 40 (40 CFR 136) unless an alternative method has been approved in writing pursuant to 40 CFR 136.4 or as provided in Section 22a-430-3-(j)(7) of the RCSA. Chemicals which do not have methods of analysis defined in 40 CFR 136 or the RCSA shall be analyzed in accordance with methods specified in this permit.
- (2) All metals analyses identified in this permit shall refer to analyses for Total Recoverable Metal, as defined in 40 CFR 136 unless otherwise specified.
- (3) Grab samples shall be taken during the period of the day when the peak hourly flow is normally experienced.
- (4) Samples collected for bacteriological examination shall be collected between the hours of 11 a.m. and 3 p.m. or at that time of day when the peak hourly flow is normally experienced.
- (5) The Minimum Levels specified below represent the concentrations at which quantification must be achieved and verified during the chemical analyses for the parameters identified in Attachment 1, Tables A and B. Analyses for these parameters must include check standards within ten percent of the specified Minimum Level or calibration points equal to or less than the specified Minimum Level.

<u>Parameter</u>	<u>Minimum Level</u>
Arsenic, Total	0.005 mg/l
Beryllium, Total	0.001 mg/l
Cadmium, Total	0.0005 mg/l
Cyanide, Total	0.010 mg/l
Silver, Total	0.002 mg/l

- (6) The value of each parameter for which monitoring is required under this permit shall be reported to the maximum level of accuracy and precision possible consistent with the requirements of this Section of the permit.
- (7) Effluent analyses for which quantification was verified during the analysis at or below the minimum levels specified in this Section and which indicate that a parameter was not detected shall be reported as "less than x" where 'x' is the numerical value equivalent to the analytical method detection limit for that analysis.
- (8) Results of effluent analyses which indicate that a parameter was not present at a concentration greater than or equal to the Minimum Level specified for that analysis shall be considered equivalent to zero (0.0) for purposes of determining compliance with effluent limitations or conditions specified in this permit.

**(B) Acute Aquatic Toxicity Test**

- (1) Samples for monitoring of Aquatic Toxicity shall be collected and handled as prescribed in "Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms" (EPA-821-R-02-012).
  - (a) Composite samples shall be chilled as they are collected. Grab samples shall be chilled immediately following collection. Samples shall be held at 0 - 6°C until Aquatic Toxicity testing is initiated.
  - (b) Samples shall be taken at the final effluent for Aquatic Toxicity unless otherwise approved in writing by the Commissioner for monitoring at this facility.
  - (c) Chemical analyses of the parameters identified in Attachment 1, Table B shall be conducted on an aliquot of the same sample tested for Aquatic Toxicity.
    - (i) At a minimum, pH, specific conductance, total alkalinity, total hardness, and total residual chlorine shall be measured in the effluent sample and, during Aquatic Toxicity tests, in the highest concentration of

the test and in the dilution (control) water at the beginning of the test and at test termination. If total residual chlorine is not detected at test initiation, it does not need to be measured at test termination. Dissolved oxygen, pH, and temperature shall be measured in the control and all test concentrations at the beginning of the test, daily thereafter, and at test termination.

- (d) Tests for Aquatic Toxicity shall be initiated within 36 hours of sample collection.
  - (2) Monitoring for Aquatic Toxicity to determine compliance with the permit limit on Aquatic Toxicity (invertebrate) shall be conducted for 48 hours utilizing neonatal (less than 24 hours old) *Daphnia pulex*.
  - (3) Monitoring for Aquatic Toxicity to determine compliance with the permit limit on Aquatic Toxicity (vertebrate) shall be conducted for 48 hours utilizing larval (1 to 14-day old with no more than 24 hours range in age) *Pimephales promelas*.
  - (4) Tests for Aquatic Toxicity shall be conducted as prescribed for static non-renewal acute tests in "Methods for measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms" (EPA/821-R-02-012), except as specified below.
    - (a) For Aquatic Toxicity limits, and for monitoring only conditions, expressed as a NOAEL value, Pass/Fail (single concentration) tests shall be conducted at a specified Critical Test Concentration (CTC) equal to the Aquatic Toxicity limit, (100% in the case of monitoring only conditions), as prescribed in Section 22a-430-3(j)(7)(A)(i) of the RCSA.
    - (b) Organisms shall not be fed during the tests.
    - (c) Synthetic freshwater prepared with deionized water adjusted to a hardness of 50±5 mg/L as CaCO<sub>3</sub> shall be used as dilution water in the tests.
    - (d) Copper nitrate shall be used as the reference toxicant.
  - (5) For limits expressed as NOAEL = 100%, compliance shall be demonstrated when the results of a valid pass/fail Aquatic Toxicity Test indicate 90% or greater survival in the effluent sample at the CTC (100%).
- (C) Chronic Aquatic Toxicity Test
- (1) Chronic toxicity testing of the discharge shall be conducted annually during July, August, or September of each year.
  - (2) Chronic toxicity testing shall be performed on the discharge in accordance with the test methodology established in "Short-Term Methods for Estimating The Chronic Toxicity of Effluents and Receiving Water to Freshwater Organisms" (EPA-821-R-02-013) as referenced in 40 CFR 136 for *Ceriodaphnia* survival and reproduction and Fathead minnow larval survival and growth.
    - (a) Chronic toxicity tests shall utilize a minimum of five effluent dilutions prepared using a dilution factor of 0.5 (100% effluent, 50% effluent, 25% effluent, 12.5% effluent, 6.25% effluent).
    - (b) Pequabuck River water collected immediately upstream of the area influenced by the discharge shall be used as control (0% effluent) and dilution water in the toxicity tests.
    - (c) A laboratory water control consisting of synthetic freshwater prepared in accordance with EPA-821-R-02-013 at a hardness of 50±5 mg/l shall be used as an additional control (0% effluent) in the toxicity tests.
    - (d) Daily composite samples of the discharge (final effluent following disinfection) and grab samples of the Pequabuck River for use as site water control and dilution water shall be collected on day 0 for test solution renewal on day 1 and day 2 of the test, day 2, for test solution renewal on day 3 and day 4 of the test; and day 4, for test solution renewal for the remainder of the test. Samples shall not be pH or hardness adjusted, or chemically altered in any way.

- (3) All samples of the discharge and Pequabuck River water used in the chronic toxicity test shall, at a minimum, be analyzed and results reported in accordance with the provisions listed in Section 6(A) of this permit for the following parameters:

pH  
Hardness  
Alkalinity  
Conductivity  
Nitrogen, ammonia (total as N)  
Solids, Total Suspended  
Copper (total recoverable and dissolved)  
Zinc (total recoverable and dissolved)

#### SECTION 7: RECORDING AND REPORTING REQUIREMENTS

- (A) The results of chemical analyses and any aquatic toxicity test required above in Section 5 and the referenced Attachment 1 shall be entered on the Discharge Monitoring Report (DMR) and reported to the Bureau of Water Management. The report shall also include a detailed explanation of any violations of the limitations specified. The DMR must be received at the following address by the 15<sup>th</sup> day of the month following the month in which samples are collected.

ATTN: Municipal Wastewater Monitoring Coordinator  
Connecticut Department of Environmental Protection  
Bureau of Water Management, Planning and Standards Division  
79 Elm Street  
Hartford, Connecticut 06106-5127

- (1) For composite samples, from other than automatic samplers, the instantaneous flow and the time of each aliquot sample collection shall be recorded and maintained at the POTW.
- (B) Complete and accurate test data, including percent survival of test organisms in each replicate test chamber, LC<sub>50</sub> values and 95% confidence intervals for definitive test protocols, and all supporting chemical/physical measurements performed in association with any aquatic toxicity test, shall be entered on the Aquatic Toxicity Monitoring Report form (ATMR) and sent to the Bureau of Water Management at the address specified above in Section 7 (A) of this permit by the 15<sup>th</sup> day of the month following the month in which samples are collected.
- (C) The results of the process monitoring required above in Section 5 shall be entered on the Monthly Operating Report (MOR) and Nutrient Analysis Report (NAR) forms, included herein as Attachment 2, Tables A and B, respectively, and reported to the Bureau of Water Management. The MOR report shall also be accompanied by a detailed explanation of any violations of the limitations specified. The MOR and NAR must be received at the address specified above in Section 7 (A) of this permit by the 15<sup>th</sup> day of the month following the month in which the data and samples are collected.
- (D) A complete and thorough report of the results of the chronic toxicity monitoring outlined in Section 6(C) shall be prepared as outlined in Section 10 of EPA-821-R-02-013 and submitted to the Department for review on or before December 31 of each calendar year to the address specified above in Section 7 (A) of this permit.

#### SECTION 8: RECORDING AND REPORTING OF VIOLATIONS, ADDITIONAL TESTING REQUIREMENTS, BYPASSES, MECHANICAL FAILURES, AND MONITORING EQUIPMENT FAILURES

- (A) If any acute toxicity sample analysis indicates that an Aquatic toxicity effluent limitation has been exceeded, or that the test was invalid, a second sample of the effluent shall be collected and tested for Acute Aquatic Toxicity and associated chemical parameters, as described above in Section 5 and Section 6, and the results reported to the Bureau of Water Management (Attn: Aquatic Toxicity) via the ATMR form (see Section 7 (B)) within 30 days of the previous test. These test results shall also be reported on the next month's DMR report pursuant to Section 7 (A). The results of all toxicity tests and associated chemical parameters, valid and invalid, shall be reported.
- (B) If any two consecutive test results or any three test results in a twelve month period indicates that the aquatic toxicity limit has been exceeded, the permittee shall immediately take all reasonable steps to eliminate toxicity wherever possible and shall submit a report, to the Bureau of Water Management (Attn: Aquatic Toxicity), for the review and written approval



of the Commissioner in accordance with Section 22a-430-3(j)(10)(c) of the RCSA describing proposed steps to eliminate the toxic impact of the discharge on the receiving water body. Such a report shall include a proposed time schedule to accomplish toxicity reduction and the permittee shall comply with any schedule approved by the Commissioner.

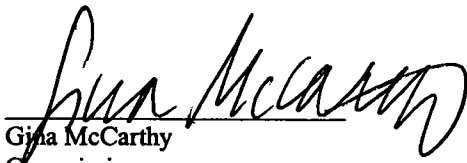
- (C) Section 22a-430-3(k) of the RCSA shall apply in all instances of bypass including a bypass of the treatment plant or a component of the sewage collection system planned during required maintenance. The Department of Environmental Protection, Bureau of Water Management, Planning and Standards Division (860) 424-3704, the Department of Public Health, Water Supply Section (860) 509-7333 and Recreation Section (860) 509-7297, and the local Director of Health shall be notified within 2 hours of learning of the event by telephone during normal business hours. If the discharge or bypass occurs outside normal working hours (8:30 a.m. to 4:30 p.m. Monday through Friday), notification shall be made within 2 hours of learning of the event to the Emergency Response Unit at (860) 424-3338 and the Department of Public Health at (860) 509-8000. A written report shall be submitted to the Department of Environmental Protection, Bureau of Water Management, Planning and Standards Division, Municipal Facilities Section within five days of each occurrence, or potential occurrence, of a discharge or bypass of untreated or partially treated sewage.

The written report shall contain:

- (a) The nature and cause of the bypass, permit violation, treatment component failure, and/or equipment failure,
  - (b) the time the incident occurred and the anticipated time which it is expected to continue or, if the condition has been corrected, the duration,
  - (c) the estimated volume of the bypass or discharge of partially treated or raw sewage,
  - (d) the steps being taken to reduce or minimize the effect on the receiving waters, and
  - (e) the steps that will be taken to prevent reoccurrence of the condition in the future.
- (D) Section 22a-430-3(j) of the RCSA shall apply in the event of any noncompliance with a maximum daily limit and/or any noncompliance that is greater than two times any permit limit. The permittee shall notify in the same manner as in paragraph C of this Section, the Department of Environmental Protection, Bureau of Water Management, Planning and Standards Division except, if the failure occurs outside normal working hours (8:30 a.m. to 4:30 p.m. Monday through Friday) the permittee may wait to make the verbal report until 10:30 am of the next business day.
- (E) Section 22a-430-3(j) of the RCSA shall apply in all instances of monitoring equipment failures. In the event of any failure of the monitoring equipment including, but not limited to, loss of refrigeration or loss of flow proportion sampling ability, the permittee shall notify in the same manner as in paragraph C of this Section, the Department of Environmental Protection, Bureau of Water Management, Planning and Standards Division except, if the failure occurs outside normal working hours (8:30 a.m. to 4:30 p.m. Monday through Friday) the permittee may wait to make the verbal report until 10:30 am of the next business day.
- (F) In addition to the reporting requirements contained in Section 22a-430-3(i), (j), and (k) of the Regulations of Connecticut State Agencies, the permittee shall notify in the same manner as in paragraph C of this Section, the Department of Environmental Protection, Bureau of Water Management, Planning and Standards Division, Municipal Facilities Section (860) 424-3704 concerning the failure of any major component of the treatment facilities which the permittee may have reason to believe would result in an effluent violation. If the failure occurs outside normal working hours (8:30 a.m. to 4:30 p.m. Monday through Friday), notification shall be made within 2 hours of learning of the event to the Emergency Response Unit at (860) 424-3338 and the Department of Public Health at (860) 509-8000.

This permit is hereby issued on

8/31/05

  
Gina McCarthy  
Commissioner

# ATTACHMENT 1

## Tables A through E

**TABLE A**

Discharge Serial Number (DSN): 001-1		Monitoring Location: 1									
Wastewater Description: Sanitary Sewage		In-stream Waste Concentration (IWC): 20.8 %									
Monitoring Location Description: Final Effluent		In-stream Waste Concentration (IWC): 20.8 %									
Allocated Zone of Influence (ZOD): 22.46 cfs		In-stream Waste Concentration (IWC): 20.8 %									
PARAMETER	Units	FLOW/TIME BASED MONITORING					INSTANTANEOUS MONITORING			REPORT FORM	Minimum Level Analysis See Section 6
		Average Monthly Limit	Maximum Daily Limit	Sample Freq.	Sample type	Sample type	Instantaneous Limit or Required Range <sup>3</sup>	Sample Freq.	Sample Type		
Alkalinity	mg/l	NA	NA	NR	NA	NA	Monthly	Grab	MOR		
Biochemical Oxygen Demand (5 day)	mg/l	20 mg/l and 10% of Influent <sup>1</sup>	35.0	3/Week	Daily Composite	NA	NR	NA	DMR/MOR		
Fecal Coliform (April 1 <sup>st</sup> through October 31 <sup>st</sup> )	per 100 ml	NA	NA	NR	NA	NA	3/week	Grab	DMR/MOR		
Flow, Average Daily	MGD	3.8	---	Continuous <sup>2</sup>	Daily flow	NA	NR	NA	DMR/MOR		
Nitrogen, Ammonia (total as N)	mg/l	17.0	49.0	3/Week	Daily Composite	NA	NR	NA	DMR/MOR/NAR		
January through March											
April		15.0	45.0								
May		8.0	24.0								
June through October		2.0	6.0								
November		8.0	23.0								
December		16.0	46.0								
Nitrogen, Nitrate (total as N)	mg/l	NA	---	Monthly	Daily Composite	NA	NR	NA	NAR		
Nitrogen, Nitrite (total as N)	mg/l	NA	---	Monthly	Daily Composite	NA	NR	NA	NAR		
Nitrogen, Total Kjeldahl	mg/l	NA	---	Monthly	Daily Composite	NA	NR	NA	NAR		
Nitrogen, Total	mg/l	NA	---	Monthly	Daily Composite	NA	NR	NA	NAR		
Oxygen, Dissolved	mg/l	NA	NA	NR	NA	≥7.0	Work Day	Grab	DMR/MOR		
pH	S.U.	NA	NA	NR	NA	6 - 9	Work Day	Grab	DMR/MOR		
Phosphate, Ortho	mg/l	NA	---	Monthly	Daily Composite	NA	NR	NA	NAR		

Phosphorus, Total	mg/l	NA	---	Monthly	Daily Composite	NA	NR	NA	NAR
Solids, Settleable	ml/l	NA	NA	NA	NA	---	3/week	Grab	MOR
Solids, Total Suspended	mg/l	20.0 mg/l and 10 % of Influent <sup>1</sup>	35.0	3/Week	Daily Composite	NA	NA	NA	DMR/MOR
Temperature	°F	NA	NA	NR	NA	---	Work Day	Grab	MOR
Turbidity	NTU	NA	NA	NA	NA	---	Work Day	Grab	MOR
UV Intensity April 1 <sup>st</sup> through October 31 <sup>st</sup>	mW/cm <sup>2</sup>	NA	NA	NA	NA	≥6.10	2/Work Day	Grab	MOR
Ultimate Oxygen Demand (May and November)	mg/l	59.3	NA	3/Week	Daily Composite	NA	NR	NA	DMR/MOR
Ultimate Oxygen Demand (June through October)	mg/l	19.7	NA	3/Week	Daily Composite	NA	NR	NA	DMR/MOR

TABLE A – CONDITIONS

Footnotes:

- <sup>1</sup> The discharge shall meet 20.0 mg/l and 10% of the average monthly influent BOD<sub>5</sub> and suspended solids (Table D, Monitoring Location G).
- <sup>2</sup> The permittee shall record and report on the monthly operating report the minimum, maximum and total flow for each day of discharge and the average daily flow for each sampling month. The permittee shall report, on the discharge monitoring report, the average daily flow for each sampling month.
- <sup>3</sup> The instantaneous limits in this column are maximum limits except for Dissolved Oxygen and UV Dose which are minimum limits.

Remarks:

- (A) The geometric mean of the fecal coliform bacteria values for the effluent samples collected in a period of thirty (30) consecutive days during the period from April 1<sup>st</sup> through October 31<sup>st</sup> shall not exceed 200 per 100 milliliters.
- (B) The geometric mean of the fecal coliform bacteria values for the effluent samples collected in a period of seven (7) consecutive days during the period from April 1<sup>st</sup> through October 31<sup>st</sup> shall not exceed 400 per 100 milliliters.
- (C) The Average Weekly discharge Limitation for BOD<sub>5</sub> and Total Suspended Solids shall be 1.5 times the Average Monthly Limit listed above.

**TABLE B**

Discharge Serial Number (DSN): 001-1			Monitoring Location: T			
Wastewater Description: Sanitary Sewage						
Monitoring Location Description: Final effluent						
Allocated Zone of Influence (ZOI): 22.46 cfs			In-stream Waste Concentration (IWC): 20.8 %			
PARAMETER	Units	Maximum Daily Limit	Sampling Frequency	Sample Type	Reporting form	Minimum Level Analysis See Section 6
Antimony, Total	mg/l	----	Quarterly	Daily Composite	ATMR	
Aquatic Toxicity, <i>Daphnia pulex</i> <sup>1</sup>	%	NOAEL=100%	Quarterly	Daily Composite	ATMR/DMR	
Aquatic Toxicity, <i>Pimephales promelas</i> <sup>1</sup>	%	NOAEL=100%	Quarterly	Daily Composite	ATMR/DMR	
Arsenic, Total	mg/l	----	Quarterly	Daily Composite	ATMR	*
Beryllium, Total	mg/l	----	Quarterly	Daily Composite	ATMR	*
BOD5	mg/l	----	Quarterly	Daily Composite	ATMR	
Cadmium, Total	mg/l	----	Quarterly	Daily Composite	ATMR	*
Chromium, Hexavalent	mg/l	----	Quarterly	Daily Composite	ATMR	
Chromium, Total	mg/l	----	Quarterly	Daily Composite	ATMR	
Chlorine, Total Residual	mg/l	----	Quarterly	Daily Composite	ATMR	
Copper, Total	mg/l	----	Quarterly	Daily Composite	ATMR	
Cyanide, Amenable	mg/l	----	Quarterly	Daily Composite	ATMR	
Cyanide, Total	mg/l	----	Quarterly	Daily Composite	ATMR	*
Lead, Total	mg/l	----	Quarterly	Daily Composite	ATMR	
Mercury, Total	mg/l	----	Quarterly	Daily Composite	ATMR	
Nickel, Total	mg/l	----	Quarterly	Daily Composite	ATMR	
Nitrogen, Ammonia (total as N)	mg/l	----	Quarterly	Daily Composite	ATMR	
Nitrogen, Nitrate, (total as N)	mg/l	----	Quarterly	Daily Composite	ATMR	
Nitrogen, Nitrite, (total as N)	mg/l	----	Quarterly	Daily Composite	ATMR	
Phenols, Total	mg/l	----	Quarterly	Daily Composite	ATMR	
Selenium, Total	mg/l	----	Quarterly	Daily Composite	ATMR	
Silver, Total	mg/l	----	Quarterly	Daily Composite	ATMR	*
Suspended Solids, Total	mg/l	----	Quarterly	Daily Composite	ATMR	
Thallium, Total	mg/l	----	Quarterly	Daily Composite	ATMR	
Zinc, Total	mg/l	----	Quarterly	Daily Composite	ATMR	
<b>TABLE B - CONDITIONS</b>						
Remarks: <sup>1</sup> The results of the Toxicity Tests are recorded in % survival, however, the permittee shall report pass/fail on the DMR based on criteria in Section 6(B) of this permit.						

**TABLE C**

Discharge Serial Number: 001-1			Monitoring Location: G				
Wastewater Description: Sanitary Sewage							
Monitoring Location Description: Influent							
PARAMETER	Units	DMR REPORTING FORMAT	FLOW/TIME BASED MONITORING		INSTANTANEOUS MONITORING		REPORTING FORM
			Sample Frequency	Sample Type	Sample Frequency	Sample Type	
Biochemical Oxygen Demand (5 day)	mg/l	Monthly average	3/Week	Daily Composite	NA	NA	DMR/MOR
Nitrogen, Ammonia (total as N)	mg/l		Monthly	Daily Composite	NA	NA	MOR/NAR
Nitrogen, Nitrate (total as N)	mg/l		Monthly	Daily Composite	NA	NA	NAR
Nitrogen, Nitrite (total as N)	mg/l		Monthly	Daily Composite	NA	NA	NAR
Nitrogen, Total Kjeldahl	mg/l		Monthly	Daily Composite	NA	NA	NAR
Nitrogen, Total	mg/l		Monthly	Daily Composite	NA	NA	NAR
pH	S.U.		NA	NA	Work Day	Grab	MOR
Solids, Total Suspended	mg/l	Monthly average	3/Week	Daily Composite	NA	NA	DMR/MOR
Temperature	°F		NA	NA	Work Day	Grab	MOR

**TABLE D**

Discharge Serial Number: 001-1				Monitoring Location: P			
Wastewater Description: Primary Effluent							
Monitoring Location Description: Primary Sedimentation Basin Effluent							
PARAMETER	Units	REPORTING FORMAT	TIME/FLOW BASED MONITORING		INSTANTANEOUS MONITORING		REPORTING FORM
			Sample Frequency	Sample Type	Sample Frequency	Sample type	
Alkalinity, Total	mg/l		NA	NA	Monthly	Grab	MOR
Biochemical Oxygen Demand (5 day)	mg/l	Monthly average	Weekly	Composite	NA	NA	MOR
Nitrogen, Ammonia (total as N)	mg/l		Monthly	Composite	NA	NA	MOR/NAR
Nitrogen, Nitrate (total as N)	mg/l		Monthly	Composite	NA	NA	NAR
Nitrogen, Nitrite (total as N)	mg/l		Monthly	Composite	NA	NA	NAR
Nitrogen, Total Kjeldahl	mg/l		Monthly	Composite	NA	NA	NAR
Nitrogen, Total	mg/l		Monthly	Composite	NA	NA	NAR
pH	S.U.		NA	NA	Monthly	Grab	MOR
Solids, Total Suspended	mg/l	Monthly average	Weekly	Composite	NA	NA	MOR

**TABLE E**

Discharge Serial Number: 001-1		Monitoring Location: S	
Wastewater Description: Dewatered Sludge			
Monitoring Location Description: Dewatered Sludge			
PARAMETER	INSTANTANEOUS MONITORING		REPORTING FORM
	Units	Grab Sample Freq.	
Arsenic, Total	mg/kg	Quarterly	DMR
Beryllium, Total	mg/kg	Quarterly	DMR
Cadmium, Total	mg/kg	Quarterly	DMR
Chromium, Total	mg/kg	Quarterly	DMR
Copper, Total	mg/kg	Quarterly	DMR
Lead, Total	mg/kg	Quarterly	DMR
Mercury, Total	mg/kg	Quarterly	DMR
Nickel, Total	mg/kg	Quarterly	DMR
Nitrogen, Ammonia *	mg/kg	Quarterly	DMR*
Nitrogen, Nitrate (total as N) *	mg/kg	Quarterly	DMR*
Nitrogen, Organic *	mg/kg	Quarterly	DMR*
Nitrogen, Nitrite (total as N) *	mg/kg	Quarterly	DMR*
Nitrogen, Total *	mg/kg	Quarterly	DMR*
pH *	S.U.	Quarterly	DMR*
Polychlorinated Biphenyls	mg/kg	Quarterly	DMR
Solids, Fixed	%	Quarterly	DMR
Solids, Total	%	Quarterly	DMR
Solids, Volatile	%	Quarterly	DMR
Zinc, Total	mg/kg	Quarterly	DMR
(*) required for composting or land application only			



ATTACHMENT 2  
MONTHLY OPERATING REPORT FORM  
AND  
NUTRIENT ANALYSIS REPORT

Town: Plainville  
 DATE: \_\_\_\_\_  
 PERMIT: # CT0100465

PLANT: Water Pollution Control  
 SUPT. Janet MacInnis

RETURN TO: State of Connecticut  
 Department of Environmental Protection  
 Bureau of Water Maintenance  
 79 Elm Street  
 Hartford, CT 06106-6127

DATE	FLOW MGD	MIN	MAX	(SEPTIC) WASTE	TOTAL (gallons)	GAL	PRIMARY SLUDGE %Solids	%VOL Solids	LBS.	GAL	SECONDARY SLUDGE %VOL	%VOL SOLIDS	LBS.	SOLIDS (LBS) OUT	COPPER (MG/L) (INF)	COPPER (MG/L) (EFF)	ZINC (MG/L) (INF)	ZINC (MG/L) (EFF)	ZINC (KGD) (INF)	ZINC (KGD) (EFF)	FECAL COLIFORMS Plate Count Per 100mi	Log
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Total	0	0	0	0	0	0	0	0	0.00	0	0	0	0.00	0	0	0	0	0	0	0	0	0
AVG.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0

PLANT: Water Pollution Control  
 DATE: MASTER SUPT. Janet Marfisiu  
 RE: # CT010045

RETURN TO: State of Connecticut  
 Department of Environmental Protection  
 Bureau of Water Maintenance  
 78 Elm Street  
 Hartford, CT 06106-5127

DATE:	SETTLED SOLIDS	TEMPERATURE	PH	PH	D.O.	Turbidity	Suspended Solids	BOD	BOD	UOD	UOD	Organic Nitrogen	Ammonia Nitrogen	NO2/NOS	NO3/NOS	Precipitation		
	EFF. INF.	EFF. INF.	EFF. INF.	EFF. INF.	Mg/l EFF.	NTU EFF.	Mg/l INF.	Mg/l EFF.	Mg/l INF.	EFF. INF.	EFF. INF.	Mg/l INF.	Mg/l INF.	Mg/l INF.	Mg/l EFF.	X000000X Inches		
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31																		31
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	TOTAL
Avg.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	AVE.

(1)	PLANT NAME:	PLAINVILLE WPC	NPDES NO. CT. INFLUENT	100455 EFFLUENT	C	C	DATE
(2)	TEMPERATURE MAXIMUM						
(3)	FLOW MONTHLY AVERAGE				mgd		
	DAILY MAXIMUM				mgd		
(4)	TURBIDITY MAXIMUM				ntu		
(5)	ULTIMATE OXYGEN DEMAND MONTHLY AVE				mg/l		
(6)	DISSOLVED OXYGEN MINIMUM				mg/l		
(7)	BIOCHEMICAL OXYGEN DEMAND MONTHLY AVE				mg/l		
	DAILY MAXIMUM				mg/l		
(8)	PH MONTHLY MINIMUM				mg/l		
	MONTHLY MAXIMUM				mg/l		
(9)	SUSPENDED SOLIDS MONTHLY AVERAGE				mg/l		
	DAILY MAXIMUM				mg/l		
(10)	SETTLABLE SOLIDS - MAXIMUM				ml/l		
(11)	TOTAL ORGANIC N MONTHLY AVERAGE				mg/l		
(12)	AMMONIA AS N MONTHLY AVERAGE				mg/l		
	WEEKLY AVERAGE (Max.)				mg/l		
	DAILY MAXIMUM				mg/l		
(13)	NITRATE-NITRITE MONTHLY AVERAGE				mg/l		
(14)	TOTAL PHOSPHORUS MONTHLY AVERAGE				mg/l		
(15)	TOTAL CL RESIDUA DAILY MINIMUM				mg/l		
	DAILY MAXIMUM				mg/l		
(16)	FECAL COLIFORM 30 DAY GEO. MEAN				/100ml		
	MAX. 7 DAY GEO. MEAN				/100ml		
(17)	BIOCHEMICAL OXYGEN DEMAND % REMOVAL				%		
(18)	SUSPENDED SOLIDS % REMOVAL				%		
(19)	TOTAL PHOSPHORUS % REMOVAL				%		

**TABLE B**  
**Nutrient Analysis Report**  
 for compliance with NPDES permit

Town of Plainville Permit # CT0100455 Flow Rate \_\_\_ mgd Sampling Date \_\_\_/\_\_\_/\_\_\_

Parameter	Raw Influent		Primary Effluent		Final Effluent		Plant Efficiency
	mg/l	lbs/day	mg/l	lbs/day	mg/l	lbs/day	
Ammonia							%
Nitrite							
Nitrate							
TKN							
Total Nitrogen = TKN + nitrite + nitrate							
Orthophosphates							
Total Phosphorus							

Notes: lbs/day = 8.34 x flow (mgd) x mg/l of pollutant  
 Flow = Total daily flow on sampling date (mgd)  
 Plant Efficiency = 100% x (raw influent - final effluent) / raw influent

# DATA TRACKING AND TECHNICAL FACT SHEET

Permittee: Town of Plainville PAMS Company ID: 92432

## PERMIT, ADDRESS, AND FACILITY DATA

PERMIT #: CT0100455 APPLICATION #: 200402840 FACILITY ID. 110-001

<u>Mailing Address:</u> Street: One Central Square City: Plainville ST: CT Zip: 06062 Contact Name: Janet Marineau Phone No.: 793-0221	<u>Location Address:</u> Street: Cronk Road City: Plainville ST: CT Zip: 06062 Contact Name: Janet Marineau Phone No.: 793-0221
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## PERMIT INFORMATION

DURATION 5 YEAR X 10 YEAR \_\_\_ 30 YEAR \_\_\_

TYPE New \_\_\_ Reissuance X Modification \_\_\_

CATEGORIZATION POINT (X) NON-POINT ( ) GIS #5337

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 \_\_\_ NO X

POLLUTION PREVENTION \_\_\_ TREATMENT REQUIREMENT \_\_\_

WATER QUALITY REQUIREMENT \_\_\_ OTHER \_\_\_

## OWNERSHIP CODE

Private \_\_\_ Federal \_\_\_ State \_\_\_ Municipal (town only) X Other public \_\_\_

## DEP STAFF ENGINEER

Stela Marusin

## PERMIT FEES

Discharge Code	DSN Number	Annual Fee
111000d	001-1	\$2,242.50

## FOR NPDES DISCHARGES

Drainage Basin Code: 4315 Present/Future Water Quality Standard:C/B

**NATURE OF BUSINESS GENERATING DISCHARGE**

*Municipal Sewage Treatment Plant*

**PROCESS AND TREATMENT DESCRIPTION (by DSN)**

*Primary, secondary and tertiary treatment of domestic wastewater with seasonal disinfection using ultraviolet light.*

**RESOURCES USED TO DRAFT PERMIT**

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

**GENERAL COMMENTS**

*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). Each parameter 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. 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 monitoring data and its inherent variability with the calculated water quality based limits indicates a statistical probability of exceeding such limits. Therefore, water quality based limits for ammonia were included in the permit at this time.*

**OTHER COMMENTS**

*There is no water quality based limit for silver included in this permit since there appears to be no reasonable potential for exceeding the limit. The wastewater treatment plant is currently undergoing an upgrade, which is in its design stage and is expected to start construction in 2006. The upgraded facility will provide a better quality*

*effluent than the existing plant.*

*Monitoring for copper is being removed because review of previous five years monitoring shows no potential for exceeding calculated Water Quality-based limits.*

***WATER QUALITY LIMIT CALCULATIONS***

*See attached*