

**STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER RESOURCES DIVISION**

In the matter of:

ACO-000117

Date Entered: 1-7-2016

Coldwater Board of Public Utilities
Wastewater Treatment Plant
100 Jay Street
Coldwater, Michigan 49036

ADMINISTRATIVE CONSENT ORDER

This document results from allegations by the Department of Environmental Quality (DEQ), Water Resources Division (WRD). The DEQ alleges the Coldwater Board of Public Utilities (CBPU), with a wastewater treatment facility located at 100 Jay Street, Coldwater, Branch County, is in violation of Part 31, Water Resources Protection, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), MCL 324.3101 *et seq.* The CBPU is a person, as defined by Section 301 of the NREPA as a governmental entity established by the City of Coldwater, a municipality. The CBPU and the DEQ agree to resolve the violations identified herein through entry of this Administrative Consent Order (Consent Order).

I. STIPULATIONS

CBPU and the DEQ stipulate as follows:

- 1.1 The NREPA, MCL 324.101 *et seq.*, is an act that controls pollution to protect the environment and natural resources in the state.
- 1.2 Part 31, Water Resources Protection, of the NREPA (Part 31), MCL 324.3101 *et seq.*, and the rules promulgated pursuant thereto, provide for the protection, conservation, and the control of pollution of the water resources of the state.
- 1.3 The DEQ is authorized by Section 3112(4) of Part 31 of the NREPA, MCL 324.3112(4), to enter orders requiring persons to abate pollution, and the director of the DEQ may delegate this authority to a designee under Section 301(b) of the NREPA, MCL 324.301(b).

- 1.4 CBPU consents to the issuance and entry of this Consent Order and stipulates that the entry of this Consent Order constitutes a final order of the DEQ and is enforceable as such under Section 3112(4) of Part 31. CBPU agrees not to contest the issuance of this Consent Order, and that the resolution of this matter by the entry of this Consent Order is appropriate and acceptable. It is also agreed that this Consent Order shall become effective on the date (Effective Date) it is signed by the chief of the WRD, delegate of the director, pursuant to Section 301(b) of the NREPA.
- 1.5 CBPU and the DEQ agree that the signing of this Consent Order is for settlement purposes only and does not constitute an admission by CBPU of any fact or law or that the law has been violated.
- 1.6 The signatory to this Consent Order certifies that he is fully authorized by CBPU to enter into the terms and conditions of this Consent Order and to execute and legally bind CBPU to this document. The CBPU hereby agrees to comply with the requirements of this Consent Order to resolve the violations stated in Section II of this Consent Order and agrees to achieve compliance with Part 31 by fulfilling the terms of Section III of this Consent Order. The signatory is not personally bound by this document.
- 1.7 Section III, Compliance Program, of this Consent Order contains the provisions for compliance with the aforementioned regulations.

II. FINDINGS

- 2.1 CBPU owns and operates a publicly-owned treatment works (POTW) located at 100 Jay Street in Coldwater. In addition to collecting and treating residential wastewaters, CBPU also serves industrial users. All discharges to the POTW, managed under the authority of the CBPU, are regulated by city ordinance number 472, specifically, Chapter 1042, "Sewers" (Ordinance). Effluent treated at the POTW is discharged to South Lake in Coldwater. Discharges are regulated by a National Discharge Elimination System (NPDES) permit issued to the CBPU on March 22, 2007. Part I, Section C of the NPDES permit obligates the CBPU to implement the Michigan Industrial Pretreatment Program

approved by the DEQ on May 1, 1985, and adhere to other assorted conditions relating to industrial users, including development of an Enforcement Response Plan.

2.2 DEQ and the Department of Natural Resources & Environment (DNRE), as predecessor to DEQ, sent to CPBU the following violation notices and letters (attached as Exhibit A) identifying violations of Part 31 by CPBU:

- a. DEQ violation notice to CBPU dated November, 26, 2008
- b. DNRE violation notice to CBPU dated September 3, 2010
- c. DEQ second violation notice to CBPU dated August 5, 2011 (with the date August 15, 2011 on 10 of 11 pages)
- d. DEQ letter to CBPU dated November 22, 2011
- e. DEQ letter to CBPU dated August 16, 2012

2.3 Based on an audit of CBPU's laboratory conducted on May 18, 2011, DEQ staff alleges several deficiencies in the fecal coliform bacteria (FCB) laboratory procedures relied upon by the POTW to demonstrate compliance with the NPDES permit as follows: A review of bench sheets generated by CBPU from June 2007 to August 2010 revealed multiple occasions where daily cultures of FCB were too numerous to count. Accurate measurement of FCB demonstrates the level of disinfection achieved at a POTW, attainment of effluent limits, and, ultimately, protection of waters of the state. Standard Methods for the Examination of Water and Wastewater—20th Edition (Standard Methods) specifies procedures for analyzing and calculating the number of FCB colonies that are contained in a sample of wastewater, and recommends a sample size of 10, 1, and 0.1 ml for wastewater treatment plants, or sample sizes that consistently yield 20-60 counts per membrane. The May 18 audit confirmed that CBPU had consistently relied on a larger, 25 ml and 100 ml sample size. To assure that any additional issues were identified prior to the entry of this Consent Order, CBPU agreed to a voluntary audit of its laboratory on August 8 and 9, 2012. CBPU has satisfactorily addressed all matters and issues identified in that audit.

2.4 CBPU prepared and submitted a draft Sewer Use Ordinance (SUO) for DEQ review and approval. DEQ approved the draft SUO on December 10, 2014. The DEQ-approved SUO was enacted by the Coldwater City Council in a proceeding on January 12, 2015. That SUO became effective on January 12, 2015. CBPU presented the enacted SUO to

Coldwater Township where users are served by the CBPU and Coldwater Township enacted a substantially identical SUO on July 6, 2015, which was immediately effective. The City and Township amended the interjurisdictional agreement between them on August 5, 2015.

III. COMPLIANCE PROGRAM

IT IS THEREFORE AGREED AND ORDERED THAT CBPU shall take the following actions:

PROGRAM ADMINISTRATION

3.1 CBPU developed operational procedures designed to avert NPDES permit violations caused by impaired treatment capacity. These operational procedures are incorporated within CBPU's Industrial Pretreatment Program (IPP) Manual of Procedures which was submitted to the DEQ on May 21, 2015, and approved by DEQ on June 16, 2015. Consistent with this Manual of Procedures, CBPU shall incorporate slug control requirements into any permit it issues for a significant industrial user (SIU), along with any other SIU permit improvements called for by the updated IPP Manual of Procedures. CBPU shall submit written certification of completion of this SIU permit modification process to the DEQ on or before the date which is six (6) months after the Effective Date on this Consent Order. These obligations are subject to the rights of users who hold the user permits or to whom the proposed user permits are issued.

ENFORCEMENT PROCESS IMPROVEMENTS

3.2 CBPU revised its Enforcement Response Plan (ERP) and submitted the ERP for DEQ review and approval. DEQ approved the ERP on February 5, 2015. CBPU shall implement its approved ERP.

3.3 CBPU shall submit to the DEQ a written report by the 10th day of alternate months commencing upon the first month subsequent to the Effective Date of this Consent Order for a period of two years (12 reports). The bimonthly reports shall describe CBPU's implementation of the approved ERP and shall include the following details: the name of any noncompliant nondomestic user(s); the type of violation and the enforcement actions

taken by CBPU to resolve the violations and achieve compliance by the nondomestic user with CBPU's Ordinance and the user's permit, along with any training documentation pursuant to paragraph 3.4, below. The bimonthly reports shall cover the preceding two-month time period.

LABORATORY PROCEDURES & REPORTING

- 3.4 CBPU developed a training program for laboratory personnel to assure that personnel responsible for the analysis of wastewater samples are familiar with the appropriate laboratory procedures for that analysis. This training program was submitted to the DEQ for review on January 15, 2015, and was approved by DEQ on February 2, 2015. CBPU shall implement the DEQ-approved training program. CBPU shall include documentation of the training completed by laboratory personnel in the bimonthly reports to be submitted, pursuant to paragraph 3.3, above.
- 3.5 In accordance with the DEQ letter dated June 16, 2015, the CBPU agrees to submit its final, updated IPP program to the DEQ for approval as a substantial modification of the previously approved program by not later than November 30, 2015. DEQ approved the substantial modification by letter dated December 2, 2015. The approved IPP program is an enforceable component of this Consent Order.
- 3.6 CBPU shall submit all reports or any other writing required by this section to the Kalamazoo District Office, District Supervisor, WRD, DEQ, 7953 Adobe Road, Kalamazoo, Michigan 49009. The cover letter with each submittal shall identify the specific paragraph and requirement of this Consent Order that the submittal is intended to satisfy.

IV. EXTENSIONS

- 4.1 CBPU and the DEQ agree that the DEQ may grant CBPU a reasonable extension of the specified deadlines set forth in this Consent Order. Any extension shall be preceded by a written request in duplicate to the DEQ, WRD, Enforcement Unit Chief, P.O. Box 30458, Lansing, Michigan 48909-7958, and the WRD Kalamazoo District Supervisor at the address in paragraph 3.6, no later than ten business days prior to the pertinent deadline, and shall include:

- a. Identification of the specific deadline(s) of this Consent Order that will not be met.
- b. A detailed description of the circumstances that will prevent CBPU from meeting the deadline(s).
- c. A description of the measures CBPU has taken and/or intends to take to meet the required deadline.
- d. The length of the extension requested and the specific date on which the obligation will be met.

The district supervisor, in consultation with the Enforcement Unit Chief, shall respond in writing to such requests. No change or modification to this Consent Order shall be valid unless in writing from the DEQ, and if applicable, signed by both parties.

V. REPORTING

- 5.1 CBPU shall verbally report any violation(s) of the terms and conditions of this Consent Order to the WRD Kalamazoo District Supervisor by no later than the close of the next business day following detection of such violation(s) by CBPU and shall follow such notification with a written report within five business days following detection of such violation(s) by CBPU. The written report shall include a detailed description of the violation(s), as well as a description of any actions proposed or taken to correct the violation(s). CBPU shall report any anticipated violation(s) of this Consent Order known to CBPU to the above-referenced individual in advance of the relevant deadlines whenever possible.

VI. RETENTION OF RECORDS

- 6.1 Upon request by an authorized representative of the DEQ, CBPU shall make available to the DEQ all records, plans, logs, and other documents required to be maintained under this Consent Order or pursuant to Part 31 or its rules. All such documents shall be retained by CBPU for at least a period of three years from the date of generation of the record unless a longer period of record retention is required by Part 31 or its rules.

VII. RIGHT OF ENTRY

7.1 CBPU shall allow any authorized representative or contractor of the DEQ, upon presentation of proper credentials, to enter upon the premises of the POTW at all reasonable times for the purpose of monitoring compliance with the provisions of this Consent Order provided CBPU is the owner of the POTW. This paragraph in no way limits the authority of the DEQ to conduct tests and inspections pursuant to the NREPA and the rules promulgated thereunder, or any other applicable statutory provision.

VIII. PENALTIES

8.1 CBPU agrees to pay to the State of Michigan **TWELVE THOUSAND SEVEN HUNDRED DOLLARS (\$12,700)** as compensation and full satisfaction for the cost of investigations and enforcement activities arising from the violations identified in in the violation notices and letters attached as Exhibit A.

8.2 CBPU agrees to pay a civil fine of **FORTY THOUSAND (\$40,000)** for and in full satisfaction of the violations identified in the violation notices and letters attached as Exhibit A. Payment of the amounts in paragraphs 8.1 and 8.2 shall be made as follows:

- a. **Seventeen Thousand Five Hundred Sixty-Seven Dollars (\$17,567)** on or before the date which is thirty (30) days after the Effective Date of this Consent Order in accordance with paragraph 8.6.
- b. **Seventeen Thousand Five Hundred Sixty-Seven Dollars (\$17,567)** on or before the date which is twelve (12) months after the Effective Date of this Consent Order in accordance with paragraph 8.6.
- c. **Seventeen Thousand Five Hundred Sixty-Six Dollars (\$17,566)** on or before the date which is twenty-four (24) months after the Effective Date of this Consent Order in accordance with paragraph 8.6.

8.3 Except as provided for in Section IX and paragraph 8.7, for each failure to comply with a provision of Section III or IV of this Consent Order, CBPU shall pay stipulated penalties of **\$200** per violation per day for 1 to 7 days of violation, **\$300** per violation per day for 8 to 14 days of violation, and **\$500** per violation per day for each day of violation thereafter. All such days accrue after a 30-day period.

- 8.4 For each failure to comply with a provision of Section VI, VII, or VIII of this Consent Order, or any other requirement of this Consent Order, CBPU shall pay stipulated penalties of **\$200** per violation per day for each day of violation.
- 8.5 To ensure timely payment of the above civil fine, costs, and stipulated penalties, CBPU shall pay an interest penalty to the General Fund of the State of Michigan each time it fails to make a complete or timely payment. This interest penalty shall be based on the rate set forth at MCL 600.6013(8), using the full increment of amount due as principal, and calculated from the due date for the payment until the delinquent payment is finally made in full.
- 8.6 CBPU agrees to pay all funds due pursuant to this agreement by check made payable to the State of Michigan and delivered to the DEQ, Revenue Control Unit, P.O. Box 30657, Lansing, Michigan 48909-8157. To ensure proper credit, all payments made pursuant to this Consent Order must include the Payment Identification No. WRD40114.
- 8.7 CBPU agrees not to contest the legality of the civil fine or costs paid pursuant to paragraphs 8.1, and 8.2, above. CBPU further agrees not to contest the legality of any stipulated penalties or interest penalties assessed pursuant to paragraphs 8.3, 8.4, or 8.5 above, but reserves the right to dispute the factual basis upon which a demand by the DEQ for stipulated penalties or interest penalties is made.

IX. FORCE MAJEURE

- 9.1 CBPU shall perform the requirements of this Consent Order within the time limits established herein, unless performance is prevented or delayed by events that constitute a "Force Majeure." Any delay in the performance attributable to a "Force Majeure" shall not be deemed a violation of CBPU's obligations under this Consent Order in accordance with this section.
- 9.2 For the purpose of this Consent Order, "Force Majeure" means an occurrence or nonoccurrence arising from causes beyond the control of, and without the fault of CBPU, such as: an Act of God, untimely review of permit applications or submissions by the

DEQ or other applicable authority, and acts or omissions of third parties that could not have been avoided or overcome by CBPU's diligence and that delay the performance of an obligation under this Consent Order. "Force Majeure" does not include, among other things, unanticipated or increased costs, changed financial circumstances, or failure to obtain a permit or license as a result of CBPU's actions or omissions.

- 9.3 CBPU shall notify the DEQ, by telephone, within 48 hours of discovering any event that causes a delay in its compliance with any provision of this Consent Order. Verbal notice shall be followed by written notice within ten calendar days and shall describe, in detail, the anticipated length of delay, the precise cause or causes of delay, the measures taken by CBPU to prevent or minimize the delay, and the timetable by which those measures shall be implemented. CBPU shall adopt all reasonable measures to avoid or minimize any such delay.
- 9.4 Failure of CBPU to comply with the notice requirements and time provisions under paragraph 9.3 shall render this Section IX void and of no force and effect as to the particular incident involved. The DEQ may, at its sole discretion and in appropriate circumstances, waive in writing the notice requirements of paragraph 9.3, above.
- 9.5 If the parties agree that the delay or anticipated delay was beyond the control of CBPU, this may be so stipulated, and the parties to this Consent Order may agree upon an appropriate modification of this Consent Order. However, the DEQ is the final decision-maker on whether or not the matter at issue constitutes a force majeure. The burden of proving that any delay was beyond the reasonable control of CBPU, and that all the requirements of this Section IX have been met by CBPU, rests with CBPU.
- 9.6 An extension of one compliance date based upon a particular incident does not necessarily mean that CBPU qualifies for an extension of a subsequent compliance date without providing proof regarding each incremental step or other requirement for which an extension is sought.

X. GENERAL PROVISIONS

- 10.1 With respect to any violations not specifically addressed and resolved by this Consent Order, the DEQ reserves the right to pursue any other remedies to which it is entitled for any failure on the part of CBPU to comply with the requirements of the NREPA and its rules.
- 10.2 The DEQ and CBPU consent to enforcement of this Consent Order in the same manner and by the same procedures for all final orders entered pursuant to Part 31, MCL 324.3101 *et seq.*
- 10.3 This Consent Order in no way affects CBPU's responsibility to comply with any other applicable state, federal, or local laws or regulations.
- 10.4. The parties agree to diligently and in good faith pursue informal negotiations to resolve any disputes arising out of this Consent Order prior to resorting to judicial enforcement. Such negotiations shall proceed in a timely manner.
- 10.5 The WRD reserves its right to pursue appropriate action, including injunctive relief to enforce the provisions of this Consent Order, and at its discretion, may also seek stipulated fines or statutory fines for any violation of this Consent Order. However, the WRD is precluded from seeking both a stipulated fine under this Consent Order and a statutory fine for the same violation.
- 10.6 Nothing in this Consent Order is or shall be considered to affect any liability CBPU may have for natural resource damages caused by CBPU's ownership and/or operation of the POTW. The State of Michigan does not waive any rights to bring an appropriate action to recover such damages to the natural resources.
- 10.7 In the event CBPU sells or transfers the POTW, it shall advise any purchaser or transferee of the existence of this Consent Order, if it is still in effect, in connection with such sale or transfer. If it is still in effect, within 30 calendar days, CBPU shall also notify the WRD Kalamazoo District Supervisor, in writing, of such sale or transfer, the identity and address of any purchaser or transferee, and confirm the fact that notice of this

Consent Order has been given to the purchaser and/or transferee. The purchaser and/or transferee of this Consent Order must agree, in writing, to assume all of the remaining uncompleted obligations of this Consent Order except to the extent CBPU retains those obligations. A copy of that agreement shall be forwarded to the WRD Kalamazoo District Supervisor within 30 days of assuming the obligations of this Consent Order. If the purchaser assumes the remaining uncompleted obligations, CBPU shall have no further obligations under this Consent Order.

- 10.8 The provisions of this Consent Order shall apply to and be binding upon the parties to this action, and their successors and assigns.
- 10.9 This Consent Order constitutes a civil settlement and complete satisfaction of all violations identified in the violation notices and letters attached as Exhibit A; however, it does not resolve any criminal action that may result from these same violations.

XI. TERMINATION

- 11.1 This Consent Order shall remain in full force and effect until terminated by a written Termination Notice (TN) issued by the DEQ no earlier than twenty-four (24) months after the Effective Date of this Consent Order. Prior to issuance of a written TN, CBPU shall submit a request consisting of a written certification that CBPU is in compliance with the requirements of this Consent Order and has made payment of any fines, including stipulated penalties, required in this Consent Order. Specifically, this certification shall include:
- a. A description of CBPU's compliance with each provision of the compliance program in Section III and the date any fines or penalties were paid.
 - b. A statement that all required information has been reported to the district supervisor.
 - c. Confirmation that all records required to be maintained pursuant to this Consent Order are being maintained at the facility.

The DEQ shall not unreasonably withhold issuance of a TN.

Signatories

The undersigned CERTIFY they are fully authorized by the party they represent to enter into this Consent Order to comply by consent and to EXECUTE and LEGALLY BIND that party to it.

DEPARTMENT OF ENVIRONMENTAL QUALITY



William Creal, Chief
Water Resources Division

1/7/2016
Date

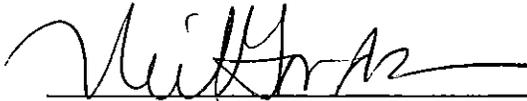
COLDWATER BOARD OF PUBLIC UTILITIES



By: Paul Beckhusen
Title: Director

12-17-2015
Date

APPROVED AS TO FORM:



By: Neil D. Gordon, Assistant Attorney General
For: S. Peter Manning, Chief
Environment, Natural Resources, and Agriculture Division
Michigan Department of Attorney General

1-4-2016
Date

Exhibit A

Coldwater Board of Public Utilities

ACO-000117



JENNIFER M. GRANHOLM
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
KALAMAZOO DISTRICT OFFICE



STEVEN B. CHESTER
DIRECTOR

November 26, 2008

CERTIFIED MAIL

Mr. David Woodman, Superintendent
Coldwater Board of Public Utilities
1 Grand Street
Coldwater, Michigan 49036

VIOLATION NOTICE VN-008777

Dear Mr. Woodman:

SUBJECT: National Pollutant Discharge Elimination System (NPDES)
Permit No. MI0020117
Designated Name: Coldwater WWTP - Branch County

On August 1, 2007, the Coldwater WWTP seasonal daily maximum concentration and loading effluent limits for total ammonia (as nitrogen) were reduced to 2 milligrams per liter (mg/l) and 50 pounds per day (lb/d), respectively, between May 1 and November 30. Since that date, the WWTP has been unable to consistently meet the new limits and has incurred numerous effluent violations.

The ammonia effluent violations were discussed during the Compliance Evaluation Inspection conducted on April 4, 2008, and WWTP staff was reminded of the need to correct the deficiency. WWTP staff has provided the Department of Environmental Quality (DEQ) timely notification each month in which a violation was incurred.

The ammonia violations listed in the attached table were identified by review of the facility's Discharge Monitoring Reports (DMR). In addition to the ammonia violations, the WWTP had three carbonaceous biochemical oxygen demand (CBOD5) violations on June 9, 10, and 29, 2008, and failed to report total mercury on the monthly DMR in August 2005 (total mercury was reported on the daily report).

The Coldwater WWTP is hereby directed to submit a plan by January 30, 2009, describing the corrective actions that will be taken to achieve and maintain compliance with all NPDES permit effluent discharge limitations. The plan shall include any procedural or operational changes that will be implemented as well as structural improvements that will be added to improve the treatment process and a schedule for implementation. Any construction or modification of any physical structures or facilities shall require a permit issued under Part 41, Sewage Systems, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451).

The Coldwater WWTP must also submit by December 30, 2008, a revised DMR for August 2005, providing the missing total mercury data.

Mr. David Woodman, Superintendent

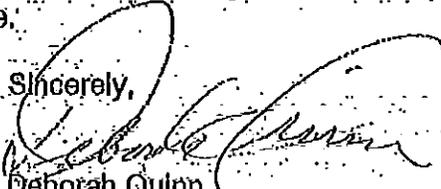
Page 2

November 26, 2008

Please be advised that compliance with the requirements of this Violation Notice does not constitute a release or waiver of liability for past or continuing violations of Act 451 or other state and federal regulations. The DEQ reserves the right to take all necessary and appropriate enforcement actions for all violations observed to date and any violations that occur in the future.

We anticipate and appreciate your cooperation in resolving this matter. If you have any questions, please feel free to contact me.

Sincerely,



Deborah Quinn
Environmental Quality Analyst
Kalamazoo District Office
269-567-3574
Water Bureau

dq/dmm

Enclosure

cc: Enforcement Unit, WB, Lansing

Ammonia Violations—November 2007- September 2008

DATE	PERMIT DAILY MAX CONCENTRATION LIMIT (mg/l)	SAMPLING RESULT (mg/l)	PERMIT DAILY MAX LOADING LIMIT (lb/d)	DAILY MAXIMUM LOAD (lb/d)
11/1/07	2	33		
11/2/07	2	30		
11/3/07	2	67		
11/4/07	2	27		
11/5/07	2	30		
11/6/07	2	31		
11/7/07	2	30		
11/8/07	2	62		
11/9/07	2	40		
11/10/07	2	38		
11/11/07	2	22		
11/12/07	2	20		
11/20/07	2	48		
11/21/07	2	92		
11/22/07	2	22		
11/23/07	2	20		
11/24/07	2	37		
11/25/07	2	67	60	607740
11/26/07	2	60	60	608800
11/27/07	2	23	60	606710
11/28/07	2	21	60	602700
11/29/07	2	22		
11/30/07	2	32		
12/1/07	2	72		
12/2/07	2	36	60	651220
12/3/07	2	49	60	661720
12/4/07	2	36	60	704210
12/5/07	2	60	60	616710
12/6/07	2	71	60	602200
12/7/07	2	97	60	122470
12/8/07	2	42		
12/9/07	2	220	60	310
12/10/07	2	21	60	71
12/11/07	2	2	60	100
12/12/07	2	21	60	100
12/13/07	2	21	60	100
12/14/07	2	21	60	100
12/15/07	2	21	60	100
12/16/07	2	21	60	100
12/17/07	2	21	60	100
12/18/07	2	21	60	100
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12/20/07	2	21	60	100
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12/23/07	2	21	60	100
12/24/07	2	21	60	100
12/25/07	2	21	60	100
12/26/07	2	21	60	100
12/27/07	2	21	60	100
12/28/07	2	21	60	100
12/29/07	2	21	60	100
12/30/07	2	21	60	100
12/31/07	2	21	60	100
1/1/08	2	33	60	69
1/2/08	2	75	60	70
1/3/08	2	10	60	100
1/4/08	2	36	60	35
1/5/08	2	39	60	45
1/6/08	2	39	60	45
1/7/08	2	38	60	45
1/8/08	2	38	60	45
1/9/08	2	38	60	45
1/10/08	2	38	60	45
1/11/08	2	38	60	45
1/12/08	2	38	60	45
1/13/08	2	38	60	45
1/14/08	2	38	60	45
1/15/08	2	38	60	45
1/16/08	2	38	60	45
1/17/08	2	38	60	45
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1/23/08	2	38	60	45
1/24/08	2	38	60	45
1/25/08	2	38	60	45
1/26/08	2	38	60	45
1/27/08	2	38	60	45
1/28/08	2	38	60	45
1/29/08	2	38	60	45
1/30/08	2	38	60	45
1/31/08	2	38	60	45



JENNIFER M. GRANHOLM
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF NATURAL RESOURCES & ENVIRONMENT
LANSING



REBECCA A. HUMPHRIES
DIRECTOR

September 3, 2010

CERTIFIED MAIL

Mr. Paul Beckhusen, Director
Coldwater Board of Public Utilities
One Grand Street
Coldwater, Michigan 49036

VN No. VN-004662

Dear Mr. Beckhusen:

SUBJECT: Violation Notice
National Pollutant Discharge Elimination System (NPDES) Permit No. MI0020117
Designated Name: Coldwater WWTP -- Branch County

The Department of Natural Resources and Environment (DNRE), Water Resources Division (WRD), was notified on July 16, 2010, by Coldwater Wastewater Treatment Plant (WWTP) staff that the WWTP was in violation of the daily maximum effluent limits for total ammonia contained in NPDES Permit No. MI0020117, which was issued on March 22, 2007, effective August 1, 2007. A violation of the NPDES Permit limits constitutes a violation of Part 31, Water Resources Protection, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, MCL 324.3101 *et seq.* and the Administrative Rules promulgated there under being 2006 AACS R 323.2101 *et seq.*, as amended (Part 31). During a Pretreatment Compliance Inspection (PCI) conducted at the Coldwater WWTP, located at 100 Jay Street, Coldwater, Michigan, 49036 on July 30, 2010, and an associated Industrial User Site Visit at Darling International Incorporated, DNRE staff identified additional violations of 1995 AACS R 323.2301 *et seq.*, the Part 23, Michigan Pretreatment Rules (Part 23 Rules), and the Michigan pretreatment requirements in NPDES Permit No. MI0020117, which were associated with the Part 31 violations identified on July 16, 2010, and continuing through August 28, 2010.

The following violations were identified subsequent to the City of Coldwater (City's) notification on July 16, 2010 to the DNRE of NPDES effluent limit violations.

1. Rule 2310(5) requires any industrial user to notify the Control Authority (the City of Coldwater) immediately of any discharge that may cause harm to a publicly-owned treatment works (Coldwater WWTP). On the weekend of July 11-12, 2010, Darling International experienced an upset of its pretreatment system that resulted in high levels of ammonia being discharged to the WWTP. On July 16, Coldwater WWTP notified the DNRE that they had violated their NPDES daily maximum effluent limit for ammonia but stated that they did not know the cause. On July 19, 2010, DNRE staff notified the Coldwater WWTP of the pretreatment system upset at Darling International. Coldwater WWTP staff stated that they would investigate to determine if Darling International was contributing to the ammonia violations at the WWTP. On July 22, 2010, Coldwater WWTP staff notified the DNRE that they had confirmed Darling International as the source of the high ammonia loading at the WWTP, with concentrations of ammonia in the Darling International discharge as high as 290 mg/l.

Darling International, under an Industrial User Permit (IUP) issued by the City, is required to notify the Coldwater WWTP within 24 hours of becoming aware of an upset. Darling

- International failed to make the required notification to Coldwater WWTP of the upset that resulted in multiple violations of the pretreatment standards contained in Darling International's IUP and the City of Coldwater's Sewer Use Ordinance (SUO).
2. The City of Coldwater's approved Industrial Pretreatment Program (IPP) specifies enforcement provisions within its SUO and procedures by which to implement the enforcement provisions within its Enforcement Response Plan (ERP). The high concentrations of ammonia being discharged from Darling International to the Coldwater WWTP began causing pass-through violations of the City's NPDES Permit daily maximum concentration and loading limits at the WWTP on July 15, 2010, and are continuing. In response to Darling International's ammonia violations, the City of Coldwater scheduled an enforcement meeting with Darling International on August 10, 2010, 19 days after the City confirmed Darling International as the source of excessive ammonia and 27 days after the City began violating its NPDES Permit limits as a result of the Darling International discharge. During the inspection, Coldwater WWTP staff stated that no written enforcement correspondence had been sent to Darling International as of July 30, 2010 and no other actions had been required by the City to reduce ammonia discharges to and from the WWTP.

Chapter 1042, Section 25 (a), of the City's Sewer Use Ordinance allows the City to take the following enforcement action for discharges that may cause harm to the environment:

"The Board may suspend wastewater treatment service when such suspension is necessary, in the opinion of the Board, in order to stop an actual or threatened discharge which presents or may present an imminent or substantial endangerment to health or welfare of persons or to the environment, or which causes interference to the sewage works or causes the sewage works to violate any condition of its NPDES Permit.

Any person notified of a suspension of the wastewater treatment service shall immediately stop or eliminate the contribution. In the event of a failure of the person to comply voluntarily with the suspension order, the Board shall take such steps as are deemed necessary, including immediate severance of the sewer connection, to prevent or minimize damage to the sewage works system or endangerment to any individuals. The Board shall reinstate the wastewater treatment service upon proof of the elimination of the noncomplying discharge. A detailed written statement submitted by the user describing the causes of the harmful contribution and the measures taken to prevent any future occurrences shall be submitted to the Board within fourteen days of the date of the occurrence."

Chapter 1042, Section 25(b) further states:

"Whenever the Board finds that any user has violated or is violating this chapter, an industrial user's permit or any prohibition, limitation, or requirement contained herein, the Board may serve upon such person a written notice stating the nature of the violation.

Within thirty days of the date of notice, a plan for the satisfactory correction thereof shall be submitted to the Board by the user."

The ERP describes the customary procedures by which the City conducts the enforcement actions specified in the SUO and functions as an extension of the City's legal authority. The ERP also states that the enforcement provisions contained within are "guidance" and that the City may choose not to follow the provisions of the ERP. The ERP describes the following actions (in italics) with regard to significant/major violations:

- * *An initial response should be within 10 days of a "significant" violation or within 5 days of a "major" violation.*

The City's initial response was a meeting held on August 10, 2010, which was at least 19 days after the City confirmed the cause of pass-through violations at the WWTP.

- * *The Enforcement Response Guide (ERG) contained within the ERP recommends civil litigation and/or suspension of service for recurring, significant violations causing harm to the WWTP or environment.*

After the City's initial action, a Violation Notice was issued to Darling International on August 17, 2010, 33 days after the first ammonia violation was detected on July 15, 2010. Darling International was also given notice that a Cease and Desist Order (CDO) would be issued after August 31, 2010, if the noncompliance was continuing.

- * *A CDO will be issued for major violations, such as a discharge causing interference or pass-through at the WWTP and/or for emergencies. The CDO will be issued within 5 days in the case of a major violation.*

The City has proposed issuing a CDO after August 31, 2010, 41 days after Darling International was confirmed as the cause of pass-through violations at the WWTP.

- * *A Show Cause Order will be the initial communication from the City Attorney and Board of Public Works Director. It will be issued within 10 days after detecting a significant violation.*

Darling International was a confirmed source of pass-through violations by July 21, 2010. A SCO should have been issued by July 31, 2010.

- * *Civil litigation will be deemed appropriate when a potential emergency situation which, if the discharge is allowed to continue, threatens harm to human health, the environment or the WWTP.*

The continuing pass-through violations began causing interference at the WWTP on or about July 20, 2010, resulting in additional NPDES Permit limit violations. There is sufficient evidence to conclude that the Darling International discharge was causing harm to the WWTP.

The enforcement actions taken by the City to date have neither been timely nor in accordance with the approved ERP. The City is in violation of Rule 2306(g), which states:

"The publicly owned treatment works shall develop and implement an enforcement response plan (emphasis added). The plan shall contain detailed procedures indicating how a publicly owned treatment works will investigate and respond to instances of nondomestic user noncompliance. The plan shall, at a minimum, be in compliance with all of the following provisions:

- (i) Describe how the publicly owned treatment works will investigate instances of noncompliance.*
- (ii) Describe the types of escalating enforcement responses the publicly owned treatment works will take in response to all anticipated types of nondomestic user violations and the time periods within which responses will take place (emphasis added).*
- (iii) Identify, by title, the official responsible for each type of response.*
- (iv) Adequately reflect the publicly owned treatment works' primary responsibility to enforce all applicable pretreatment requirements and standards.*

Furthermore, pursuant to Rule 2303(1), the City of Coldwater shall investigate instances of pass-through or interference and take appropriate enforcement action and inform the responsible nondomestic user of the impact.

The City has failed to adequately implement its approved ERP and take appropriate enforcement action, in order to prevent pass-through and interference at the WWTP. From July 15 to August 30, 2010, the City has reported 86 NPDES Permit violations, and these violations are continuing.

3. The City of Coldwater has failed to comply with the Industrial Pretreatment Program (IPP) implementation requirements of NPDES Permit No. MI0020117. The City has allowed an industrial discharge containing levels of ammonia that may become toxic to aquatic life, to continue passing through the WWTP uncontrolled to South Lake. Furthermore, the City has allowed an industrial discharge causing interference with the WWTP treatment processes to continue uncontrolled, causing additional NPDES Permit violations. In short, the City has failed to effectively implement its approved IPP to reduce or eliminate the impact of an industrial discharge that has caused harm to the WWTP; caused the WWTP to violate its NPDES Permit limits; and which has the potential to be toxic to aquatic life.

Pursuant to Rule 2306(b), the City of Coldwater is responsible for implementing a pretreatment program that effectively controls the introduction of pollutants into the sewer system.

The City has failed to effectively control to treatable levels, the introduction of ammonia into the Coldwater WWTP, and the discharge of high levels of ammonia are continuing. (Note: From August 29 – September 1, 2010, the City has returned to compliance with the ammonia limit but stated that Darling International has not).

Pursuant to Rule 2306(a)(vi), the City of Coldwater shall have the authority and procedures to halt or prevent any discharge to the WWTP which presents or may present an endangerment to the environment or which threatens to interfere with the operation of the WWTP.

While the City of Coldwater has procedures in place to halt or prevent a discharge that may harm the WWTP or environment; the City has not effectively implemented those procedures. Furthermore, the City's ERP states that the City may choose to make decisions contrary to the actions specified in the approved ERP.

4. Pursuant to Rule 2306(a), the Coldwater WWTP shall operate in accordance with legal authority enforceable in federal or state courts that authorizes or enables the WWTP to apply and to enforce the requirements of section 3109 of the act and sections 307(b) and (c) and 402(b)(8) of the Clean Water Act and any rules or regulations implementing those sections within its service area. The City's legal authority shall enable it to:

- * *Control, through permit, the contribution to the WWTP by each significant industrial user to ensure compliance with applicable pretreatment standards and requirements.*

The City did not include monitoring requirements for ammonia in the Darling International IUP, issued August 17, 2007, by which compliance with the City's local limit could be assessed.

- * *Deny or condition new or increased contributions of pollutants, or changes in the nature of pollutants, to the WWTP by nondomestic users where the contributions do not meet applicable pretreatment standards and requirements or where the contributions would cause the WWTP to violate its NPDES Permit.*

Ammonia is a known by-product of the processes conducted by Darling International. The City has not placed restrictions nor denied the discharge of ammonia from Darling International in order to achieve compliance with its NPDES Permit.

- * *Require compliance with applicable pretreatment standards and requirements by nondomestic users.*

The City of Coldwater began violating its NPDES Permit limit for ammonia in August 2007 and has incurred 383 ammonia limit violations since that date. The City was required, by VN-003777, to submit a plan of the corrective actions that it would take to achieve and maintain compliance with all NPDES permit effluent discharge limitations, which should have included the control of industrial discharges. The City responded on January 9, 2009 stating,

"On July 1, 2008, a Project Plan was submitted to the MDEQ State Revolving Fund (SRF) detailing the corrective actions to be taken to achieve and maintain compliance with the NPDES permit allowable effluent discharge limits. The Project Plan was technically approved by the Kalamazoo District Office. In November 2008, the CBPU

received notification that the project is in the fundable range for an SRF loan for fiscal year 2009.

As a result, the CBPU instructed FTC&H to proceed with the development of contract documents to construct the improvements. On January 9, 2009, a preliminary design report and draft contract documents were submitted to the SRF project manager in Lansing and the Kalamazoo District Office as part of the SRF milestone schedule for funding in the third quarter of 2009...The WWTP is continuing to move forward proactively with corrective improvements to allow the new NPDES permit requirements to be achieved."

As part of its measures to achieve compliance with NPDES Permit limits, the City has not required Darling International to comply with the City's local limit for ammonia for the past three years during which time the City's WWTP continually violated its NPDES Permit limit for ammonia.

The City of Coldwater has failed to comply with the IPP requirements of Part 23, NPDES Permit No. MI0020117, and VN-003777 to control industrial sources of pollutants. Ammonia discharges from Darling International have continued uncontrolled by the City since August 2007. The City began monitoring ammonia daily at Darling International as a result of the violations and stated that a monitoring requirement for ammonia would be included in the Darling International IUP. Until evidence has been provided that an ammonia limit has been included in Darling International's IUP, this violation is continuing.

The deficiencies in IPP Implementation, by the City of Coldwater, suggest that the City's legal authority and IPP procedures are not adequate to effectively enforce compliance with the pretreatment standards and requirements contained in Part 23 and the City's NPDES Permit. The DNRE will be reviewing the City's program for compliance with all applicable State and Federal regulations to determine what modifications are necessary to bring the City's IPP into compliance.

The following violations were identified and/or discussed during the PCI (check lists enclosed).

5. The City's approved SUO requires a surcharge agreement with any industrial user that discharges compatible pollutants above the local limits. A surcharge agreement could not be found for Darling International, a discharger of high levels of Biochemical Oxygen Demand (BOD) and Total Suspended Solids (TSS). The City must provide evidence that a surcharge agreement with Darling exists or treat exceedences of BOD and TSS as violations of the local limit.
6. All pollutants of concern (POC) must be monitored a minimum of twice per year. Oil and grease (O&G) monitoring of Darling International is required only once per year. Furthermore, Darling International discharges high levels of ammonia and does not have an ammonia limit. Darling is a rendering plant that processes large quantities of oils and fats, and produces ammonia as a by-product of the treatment process. Therefore, O&G and ammonia are POCs and appropriate monitoring requirements must be included in Darling International's IUP.

7. BOD, TSS and pH are all daily monitoring requirements of Darling International's permit, but pH was analyzed less frequently than the other two parameters. Please review the data and either verify that monitoring of pH was in accordance with the permit or provide an explanation for the difference in monitoring frequencies.
8. H.C. Starck violated the local limits for BOD, TSS, and ammonia in October 2009 and June 2010. The ammonia exceedences are of particular concern given the WWTP's history of violations. The enforcement action taken by the City was minimal even though the ammonia loading may have impaired the WWTP's ability to meet its NPDES permit limit for ammonia.

Based on the discharge history of the facility, these parameters do not appear to be process-related. If the facility is unaware of any raw materials or chemical interactions that would result in elevated levels of these parameters, an investigation should be conducted to identify the source the next time an exceedence occurs.

The City has consistently taken ineffective action against industrial users that have violated the local limit for ammonia during periods in which the City is violating its NPDES permit limit. Of further concern is the number of industrial discharges identified during this inspection that have added significantly to the WWTP's ammonia loading, and which have been allowed to continue uncontrolled even when the discharge was contributing to NPDES permit violations, alone, or in conjunction with, other discharges. Based on the findings of this inspection, it would appear that the City has not used IPP implementation as a tool to effectively control ammonia discharges to the WWTP.

In accordance with the terms of Part 31 of the NREPA, Section 324.3109(1), which states in part: "A person shall not directly or indirectly discharge into the waters of the state a substance that is or may become injurious to any of the following:

- (a) To the public health, safety, or welfare.
- (b) To domestic, commercial, industrial, agricultural, recreational, or other uses that are being made or may be made of such waters.
- (c) To the value or utility of riparian lands.
- (d) To livestock, wild animals, birds, fish, aquatic life, or plants or to their growth or propagation.
- (e) To the value of fish and game."

As a result of the Coldwater WWTP discharge, an unauthorized 5,866 pounds of ammonia were discharged to South Lake from July 15 through July 31, 2010, which is a violation of Part 31. This violation continued through August 28, 2010, on which date, the City appears to have returned to compliance.

In accordance with Part I, Section A.1, ammonia from Outfall 001A shall be limited from December 1 through March 31, to a daily maximum concentration of 12 milligrams per liter (mg/l) and a daily maximum load of 320 pounds per day (Lbs/day).

In accordance with Part I, Section A.1, ammonia from Outfall 001A shall be limited from April 1-30, to a daily maximum concentration of 10 mg/l and a daily maximum load of 270 Lbs/day.

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In accordance with Part I, Section A.1, ammonia from Outfall 001A shall be limited from May 1 through November 30, to a daily maximum concentration of 2 mg/l and a daily maximum load of 50 Lbs/day.

Coldwater WWTP has reported the ammonia monitoring violations listed in Table 1 occurring from August 1, 2007 through August 30, 2010 (ammonia loading for the month of August 2010 has not yet been reported). These monitoring results are violations of your permit.

The violations identified in the Violation Notice are violations of Part 31, Part 23, and NPDES Permit No. MI0020117.

Coldwater WWTP should take immediate action to achieve and maintain compliance with the terms and conditions of Part 31, Part 23, and NPDES Permit No. MI0020117, including, but not limited to, control of its industrial discharges through its approved Industrial Pretreatment Program.

Please develop a plan to comply with Part 31, the effluent discharge limits contained in NPDES Permit No. MI0020117, Part 23, and the IPP requirements contained in NPDES Permit No. MI0020117, and submit a response to this office for each item below by the dates specified. At a minimum, the response shall include:

- A. Measures that will be taken immediately to achieve and maintain compliance with all NPDES Permit limits and requirements. This shall include all necessary actions to achieve adequate control of industrial discharges that are contributing to effluent limit violations. This response must be received by September 17, 2010.
- B. Intermediary actions the City will take to ensure adequate control of its industrial users, including but not limited to, adequate interim monitoring requirements for all pollutants of concern and a monitoring frequency that will allow sufficient time for the WWTP to avert potential problems. This response must be received by 30 DAYS.
- C. Respond to the deficiencies identified during the PCI and cited in Item Nos. 5 – 8 above by 30 DAYS.
- D. A plan and schedule by which the City of Coldwater will review its Industrial Pretreatment Program (IPP) and make whatever modifications are necessary to comply with federal and state pretreatment regulations. The review shall include a review of the City's Sewer Use Ordinance, the Enforcement Response Plan, and all procedures by which the City implements the IPP, including procedures by which pollutants of concern are identified, monitoring requirements are determined, the criteria by which the City develops industrial user permits, the procedures followed in the investigation of noncompliance, and the process used to determine an appropriate level of enforcement that is appropriate to the severity of the noncompliance. This response is due by 60 DAYS.

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- E. A complete review of all significant industrial users discharging to the WWTP, identifying the volume of process wastewater, and a complete characterization of the pollutants being discharged to the WWTP. The review must include a summary of any new pollutants of concern that are identified and the mechanism by which they will be controlled. This review must be received by 90 DAYS.

If you have any factual information you would like us to consider regarding the violations identified in this Notice, please provide them with your written response.

Be advised that under Rule 2303(5) it states "*The department retains the right to issue orders or may take other direct enforcement action against nondomestic users. The department shall notify the control authority of any action.*"

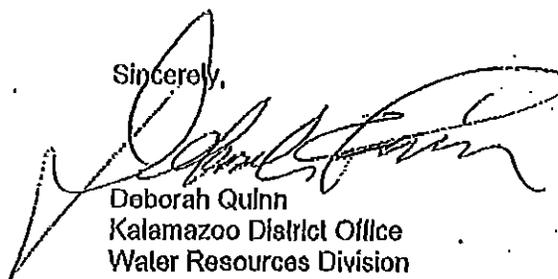
Compliance with the terms of this Notice does not relieve Coldwater WWTP of any liability, past or present from the failure to meet the conditions specified in NPDES Permit No. MI0020117 or failure to comply with the permit or Part 31 and Part 23, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended.

The DNRE reserves its right to take all necessary and appropriate enforcement actions for all violations observed to date and any violations that occur in the future. This may include civil action seeking fines, enforcement costs and injunctive relief, and potential criminal prosecution.

Due to the severity of the noncompliance, the matter is being referred for escalated enforcement.

We anticipate and appreciate your cooperation in resolving this matter. If you have any questions regarding this Notice or if you would like to arrange a meeting to discuss it, please contact me.

Sincerely,



Deborah Quinn
Kalamazoo District Office
Water Resources Division
269-567-3574

dq/dmm

Enclosures

cc: Mr. Dave Woodman, Coldwater WWTP
Mr. Michael Masterson, DNRE
Mr. Barry Selden, DNRE
Ms. Grace Scott, DNRE
Mr. Greg Dannelfel, DNRE

TABLE 1: Coldwater WWTP Ammonia Violations—August 2007- August 2010

DATE	SAMPLING RESULT (mg/l)	DAILY MAXIMUM LOAD (lb/d)	DATE	SAMPLING RESULT (mg/l)	DAILY MAXIMUM LOAD (lb/d)
8/1/07	2.5	116	6/29/09	6.0	210
8/2/07	8.2	116	6/30/09	1.8	171
8/7/07	5.5	142	5/31/09	6.1	203
8/8/07	7.1	132	6/1/09	7.1	251
8/9/07	8.8	170	6/2/09	5.2	181
8/10/07	6.8	132	6/3/09		66
8/11/07	2.1		6/4/09	2.6	86
8/13/07	5.3	80	6/8/09	3.2	134
8/15/07	4.4	70	6/11/09	3.0	101
8/16/07	9.0	72	6/13/09	2.4	60
8/17/07	10.0	75	6/16/09		59
8/18/07	11.0	184	6/17/09	3.3	101
8/19/07	6.0	146	6/18/09	10.0	293
8/20/07	3.1	00	6/26/09		52
8/24/07	6.0	118	6/27/09	2.7	70
8/27/07	5.2	134	6/28/09	6.9	187
8/28/07	2.7	72	6/29/09	11.0	315
8/29/07	2.2	68	6/30/09	2.0	75
9/1/07	2.7	80	7/6/09	2.2	57
9/2/07	2.2	63	7/14/09	5.2	182
9/24/07	3.2	81	7/15/09	1.8	192
9/28/07	2.3	66	7/20/09	15.5	112
9/29/07	3.1	83	7/21/09	7.0	157
9/30/07	2.3	63	7/22/09	13.0	292
10/1/07	3.4	71	7/24/09	6.2	114
10/18/07	2.6	62	9/30/09	2.6	
10/1/07	3.5	79	10/3/09	2.1	
10/2/07	3.8	87	10/8/09	2.8	
10/3/07	6.4	103	10/9/09	6.9	58
10/4/07	2.7	51	10/10/09	15.5	64
10/5/07	3.6	78	10/12/09	8.9	64
10/6/07	3.1	66	10/20/09	3.4	62
10/7/07	3.3	68	10/30/09	2.1	
10/8/07	5.2	109	11/2/09	1.0	
10/9/07	4.6	97	11/3/09	4.0	
10/10/07	3.8	70	11/11/09	2.2	
1/9/08		116	5/1/10	6.1	105
2/19/08		142	6/2/10	2.4	
2/26/08		117	6/9/10	3.7	70
3/6/08		135	6/8/10	1.0	97
5/2/08		164	6/6/10	2.3	
6/1/08	2.2	100	6/11/10	1.7	113
6/6/08	2.8	107	6/12/10	1.9	108
6/9/08		55	6/13/10	1.8	120
6/20/08	4.8	134	6/14/10	1.0	91
6/21/08	3.2		6/16/10	2.3	
6/22/08	2.2	80	6/17/10	3.1	70
6/1/08	2.0	60	6/18/10	3.2	77
6/1/08	3	75	6/19/10	2.9	67
6/10/08	6.7	189	6/20/10	1.9	88
6/16/08	2.3	62	6/21/10	1.6	113
6/18/08	2.1		6/22/10	3.0	105

6/19/00	2.2	50	6/23/10	5.1	156
6/23/00	3.2	70	6/25/10	2.5	85
6/24/00	4.2	93	6/26/10	2.7	126
6/25/00	6.6	84	6/27/10	2.9	96
6/26/00	4.9	116	6/28/10	2.2	104
6/27/00	3.5	84	6/29/10	3.1	92
6/28/00	6.3	120	6/31/10	2.2	68
6/29/00	7.1	150	6/1/10	2.2	69
6/30/00	9.4	209	6/4/10	3.1	429
7/1/00	4.3	99	6/5/10		68
7/7/00	22.0	634	6/9/10	4.0	122
7/10/00	2.1	63	6/10/10	2.3	66
7/11/00	2.1	64	7/15/10	23.0	514
7/13/00	2.6	62	7/16/10	19.0	432
7/18/00	9.3	227	7/17/10	11.0	220
7/19/00	7.6	189	7/19/10	17.0	90
7/19/00	10	232	7/20/10	18.0	341
7/19/00	8.6	194	7/21/10	28.0	616
7/26/00	3.9	88	7/22/10	25.0	679
7/31/00	6.3	109	7/23/10	6.9	177
8/1/00	3.5	72	7/24/10	16.0	425
8/14/00	4.3	127	7/26/10	4.1	90
8/15/00	4.1	102	7/27/10	10.0	239
8/19/00		332	7/28/10	8.2	194
8/19/00		296	7/29/10	23.0	545
8/27/00		327	7/30/10	30.0	712
8/30/00		203	7/31/10	65.0	1400
8/1/00	8.8	148	8/1/10	24.0	not reported
8/2/00	7.3	272	8/2/10	22.0	not reported
8/3/00	8.4	200	8/3/10	26.0	not reported
8/4/00	7.0	266	8/4/10	20.0	not reported
8/6/00	8.8	326	8/5/10	7.0	not reported
8/6/00	10.7	403	8/6/10	16.0	not reported
8/7/00	6.2	194	8/7/10	18.0	not reported
8/10/00	8.1	300	8/8/10	4.8	not reported
8/19/00	6.7	240	8/9/10	16.0	not reported
8/10/00	4.9	169	8/10/10	26.0	not reported
8/11/00	4.9	166	8/11/10	18.0	not reported
8/12/00	2.3	79	8/12/10	12.0	not reported
8/13/00	8.6	298	8/13/10	28.0	not reported
8/14/00	6.3	190	8/14/10	32.0	not reported
8/15/00	7.3	203	8/16/10	37.0	not reported
8/16/00	3.6	166	8/17/10	21.0	not reported
8/17/00	8.9	361	8/18/10	11.0	not reported
8/18/00	4.4	185	8/19/10	13.0	not reported
8/19/00	9.7	414	8/20/10	25.0	not reported
8/20/00	12.0	501	8/21/10	17.0	not reported
8/21/00	16.0	742	8/23/10	27.0	not reported
8/22/00	6.6	288	8/24/10	18.0	not reported
8/23/00	6.8	222	8/25/10	7.0	not reported
8/24/00	11.0	407	8/26/10	3.0	not reported
8/25/00	5.2	109	8/27/10	16.0	not reported
8/26/00	4.4	160	8/28/10	3.9	not reported
8/27/00	4.0	160			
8/28/00	6.1	197			

FORM A

CONTROL AUTHORITY: Coldwater WWTP

DATE OF INSPECTION: July 30, 2010

LEGAL AUTHORITY

PART A: SEWER USE ORDINANCE

The City is waiting for local limits approval to change SUO. Other changes they are planning include analytical methods for mercury and 40 CFR 403 Streamlining.

PART B: INTERJURISDICTIONAL AGREEMENTS

Not reviewed--Coldwater Twp is the only contributing jurisdiction.

PART C: ENFORCEMENT RESPONSE PLAN

The City had no plans to make changes.

PART D: LOCAL LIMITS

Any new sources of pollutants? None identified by the City

Any significant change in pollutant or hydraulic load due to new industries or closures? None identified by the City

Is a MAHL planned or has one been conducted within the last 5 years?

A local limits assessment has been submitted and is under review. The findings of our review will be sent in a separate letter.

FORM B1

ATTACHMENT: 1

POTW: Coldwater WWTP

DATE OF INSPECTION: July 30, 2010

BASELINE MONITORING REPORT/ APPLICATION REVIEW

INDUSTRY: Darling International
ADDRESS: 600 Jay Street, Coldwater

INDUSTRY DESCRIPTION: Rendering of animal waste; heat & separate oil from impurities; produce blood meal

PROCESS A: rendering GPD: 83000 avg; 136690 max
PROCESS B: waste cooking oil GPD: 1900 avg; 29450 max
PROCESS C: raw blood GPD: 1900 avg; 5633

Noncontact Cooling Water: GPD: _____ Discharge to: _____
Boiler Blowdown: GPD: 1000* Discharge to: sanitary
Sanitary: GPD: 2000*

Does the facility pretreat? yes
Type of Pretreatment? flow equalization**, activated sludge with dissolved air floatation (DAF); sludge removed from DAF tank and belt-pressed, then recycled in rendering--no residuals left after recycle.

Any wastes hauled off site: no?

This facility has been classified as an: SIU
Basis for decision: process flow > 25000 gpd

COMMENTS: *These flows were not reported in the BMR/Application--they were gleaned from the inspection report. The average and maximum flows reported in the application are significantly less than the flow measured by the City. **Flow equalization was noted in the inspection report, not the BMR.

FORM CI

ATTACHMENT: 1

POTW: Coldwater WWTPDATE OF INSPECTION: July 30, 2010

INDUSTRIAL USER PERMIT EVALUATION

INDUSTRIAL USER: Darling International
 FACILITY ADDRESS: 600 Jay Street, Coldwater
 CONTACT: Marty Slocum, Plant Manager

Classified As: SIU

1. Date Current Permit was Issued: 8/17/07 Date Effective: 9/1/07
Date Expires: 8/31/12
2. The permit is current and does not exceed 5 years duration. YES
3. The permit was reissued within 180 days of expiration of the previous permit: YES
4. The previous permit did not exceed 5 years or was extended. YES
5. PERMIT LIMITS & MONITORING SUMMARY:

PARAMETER	DAILY MAX (mg/L)	MONTHLY AVE (mg/L)	POTW Monitoring Frequency \downarrow		SIU Monitoring Frequency \downarrow <i>POTW conducts all monitoring for Darling</i>	
			Required	Conducted	Required	Conducted
Arsenic	2.2	2.2				
Cadmium	0.02	0.02				
Chromium-Total	2.0	2.0				
Copper	1.4	1.4				
Cyanide	0.5	0.5				
Lead	0.5	0.5				
Mercury	<0.002	<0.002	The limit should be <0.0002 mg/l. Both the permit & SUO have the wrong limit			
Molybdenum	0.6	0.6				
Nickel	0.65	0.65				
Selenium	0.2	0.2				
Silver	0.015	0.015				
Zinc	2.2	2.2				
BOD / CBOD	300	300	daily	daily	N/A	
TSS	300	300	daily	daily	N/A	
Phosphorus	20	20				
O & G	100	100	annually	?	N/A	
pH	6.5 min	9.5 max	daily	21 days/30	N/A	
flow	600000		continuous	daily		
ammonia	10	10	**			

The limits in the table above are Categorical; Local Limits; Combination

6. Are the limits appropriate for the classification of this industry? YES
 Comment: ***there were no monitoring requirements in the permit though the local limit is stated. Due to the upset, ammonia monitoring began week of July 19 and will become a requirement of the permit*
7. If both categorical and local limits are applied, are the most stringent being used? N/A

COMMENTS: In Part 2 (Monitoring), the Effective Dates were not changed from last permit.

POTW: Coldwater WWTPDATE OF INSPECTION: July 30, 2010SIU: Darling International

SIU REPORTING & POTW OVERSIGHT

SIU REPORTING:

1. The Self-Monitoring Reports submitted by this IU contained:

(Check all that apply) N/A At least 2 semiannual reports were received R#
N/A # of Compliance Reports received in accordance with permit
N/A Both semiannual reports were received on time
 Sample results for all specified parameters
 Samples were collected at designated location
 Sampling frequency was as required in permit
 All samples were of the correct type
 Analytical methods appear to all be correct
 Flow information
 All Reports were signed and certified

If not, check identified deficiencies:

- One semiannual report was received
 No semiannual reports were received
 At least one semiannual report was > 30 days late
 The IU was found in SNC for late reports
 Composite samples were collected where grabs required
 Grab samples were collected where composites required
 One or more analytical methods were not EPA-approved
 Holding time was exceeded for one or more samples
 At least one report was not signed or certified
 Reports were signed but not certified
 Reports were not stamped with a Received Date

2. Were any of the following reports required? submitted?

<input type="checkbox"/> Baseline Monitoring Report	<input type="checkbox"/> Submitted
<input type="checkbox"/> 90-day Compliance Report	<input type="checkbox"/> Submitted
<input type="checkbox"/> Compliance Schedule Reports	<input type="checkbox"/> Submitted

3. Were all additional reports in #2 above received on time?
- N/A

COMPLIANCE WITH REPORTING IS RATED:

SATISFACTORY
 MARGINAL
 UNSATISFACTORY

REQUIRED ACTIONS:

- pH was required to be analyzed daily but was consistently analyzed less often than other daily parameters. Please provide an explanation for the difference in sampling frequency for pH.*
- Oil & Grease was required to be analyzed annually, but no data was found in 2009 or 2010. Please verify that this parameter was sampled in 2009. Given the nature of this industry, this pollutant of concern should be analyzed at a minimum, twice per year.*

3. The permit form and standard requirements are adequate, but this user did not comply with notification requirements.

POTW OVERSIGHT:

1. This IU was inspected during the year covered by the PCI. (R 323.2306(e)(v)) YES

Date of Inspection: 8/11/2009

2. Inspection documentation contained all of the following:

- | | |
|--|---|
| <input checked="" type="checkbox"/> Contact Information | <input checked="" type="checkbox"/> Assessment of Storage Areas |
| <input checked="" type="checkbox"/> Date of the Inspection | <input checked="" type="checkbox"/> Assessment of Productions Areas |
| <input checked="" type="checkbox"/> Name of the person conducting inspection | <input checked="" type="checkbox"/> Evaluation of the need for a Slug Plan |
| <input checked="" type="checkbox"/> Whether it was scheduled or unannounced | <input checked="" type="checkbox"/> A review of discharge routes to sanitary |
| <input checked="" type="checkbox"/> Type of business or categorical classification | <input checked="" type="checkbox"/> Assessment of Housekeeping |
| <input checked="" type="checkbox"/> Wastewater type and flow information | <input checked="" type="checkbox"/> IU Laboratory practices |
| <input checked="" type="checkbox"/> Wastewater treatment information | <input checked="" type="checkbox"/> Whether or not Violations were observed/noted |
| <input checked="" type="checkbox"/> Description of wastewater characteristics | |

3. Is Inspection Documentation adequate? YES
4. If Violations were noted in the report, was Enforcement Action taken? N/A
If yes, describe
5. This IU has submitted a slug or spill control plan to the POTW. NO

CONTROL AUTHORITY OVERSIGHT IS RATED:

- SATISFACTORY
 MARGINAL
 UNSATISFACTORY

REQUIRED ACTIONS:

3. The inspection report indicated that there was no by-pass potential. However, a letter from the SIU in 2005 notified the City that Darling had intentionally by-passed treatment for a short period in order to make repairs. Darling did not provide prior notification, as required, for this by-pass. The City must recognize that by-pass potential exists.
4. The Upset that occurred at Darling on July 12 which resulted in the POTW exceeding NPDES permit limits for ammonia (pass-through), was not reported to the POTW. The City is still in the process of investigating, but the following must be considered when deciding upon appropriate enforcement:
- Failure to notify the POTW of an Upset. This is the second time Darling failed to provide a required notification.
 - The discharge caused pass-through at the WWTP resulting in NPDES permit violations, and the problem with pass-through is continuing.
 - The ammonia concentration in the discharge from Darling exceeded, and continues to exceed, the local limit.

5. Darling stated that they had cut back production but continues to have problems with the pretreatment system and the WWTP continues to have exceedences of its ammonia limit. The City's approved ERP designates that a Show Cause Order will be issued within 10 days of detecting a significant violation. It also stipulates that written notification in the form of a Notice of Violation shall be mailed to the user in the case of a potentially significant violation and placed in the user's file as documentation. A Cease & Desist Order is prescribed for violations causing pass-through or interference, and is to be issued within 5 days. During this inspection, which took place 9 days after the POTW was notified of a potential problem at Darling, no written notification of the violations had been sent to Darling. The only action that has been taken thus far by the City is to set a date for a formal meeting on August 10, which is about 19 days after the POTW identified the ammonia violations at Darling.

The POTW must take whatever action is necessary in the interim to meet its NPDES limits. Please indicate the following:

- a. What actions the POTW has taken at the WWTP to achieve compliance with the ammonia limit;
- b. What actions the POTW has required of Darling to reduce ammonia loading to the POTW;
- c. What enforcement actions has the City taken, to date, for each violation of Darling's Industrial user permit; and
- d. What enforcement action and/or user permit changes does the City plan to implement to avoid future problems with pass-through from Darling.

POTW: Coldwater WWTPDATE OF INSPECTION: July 30, 2010

IU MONITORING & REPORTING VIOLATIONS

IU: Darling International

1. Did this IU have any discharge limit violations during the evaluation period? YES

If yes, please complete the following table:

MONITORING VIOLATIONS								
Date of Violation	Self Monitoring Violation?	POTW Monitoring Violation?	Parameter (s)	Applicable Limit(s)	Monitoring Result	Enforcement Action Taken?	Resample in 30 days?	Return to Compliance?
3/30/10		X	TSS	300 mg/l	320 mg/l	surcharge	yes	yes
7/13/10		X	TSS	300 mg/l	820 mg/l	pending	yes	yes
7/14/10		X	BOD	300 mg/l	345 mg/l	pending	yes	?

2. Was the level of enforcement appropriate to the violation(s) (was it in accordance with the approved Enforcement Response Plan)?

NO

If not, explain: The limits stated above are enforceable as limits in the Sewer Use Ordinance (SUO) unless a surcharge agreement is on file. No surcharge agreement could be located on the day of the inspection. The City must locate the surcharge agreement or negotiate a new agreement.

COMMENTS: Effluent samples collected during the week of July 19 indicate that Darling was in violation of the City's local limit for ammonia. Because these violations also caused pass-through at the WWTP, these violations must be handled in accordance with the City's SUO and Enforcement Response Plan (ERP).

3. Did this IU have any Reporting or Compliance Schedule violations during the evaluation period? N/A

If yes, please list below:

REPORTING & SCHEDULE VIOLATIONS					
Report Type	Compliance Schedule Item	Date Due	Date Past Due	Enforcement Action Taken	Date Returned to Compliance

4. Was the level of enforcement appropriate to the violation (was it in accordance with the approved Enforcement Response Plan)? N/A

If not, explain:

5. Was this IU evaluated for Significant Noncompliance (SNC) during the evaluation period? N/A

Was the IU in SNC in any quarter of the evaluation period? N/A

6. Was the IU published for SNC? N/A

COMMENTS: The period evaluated included July 2009-June 2010. The POTW now conducts all of the sampling for the User, so there are no periodic compliance reports for the period covered. The User's permit still has daily monitoring requirements, which appear to have been met for CBOD and TSS, but not pH. O&G monitoring results were not found.

THE CA's ENFORCEMENT OF THIS IU WAS:

- SATISFACTORY
 MARGINAL
 UNSATISFACTORY

REQUIRED ACTIONS:

- As a pollutant of concern, Oil & Grease should be monitored twice per year.
- As a pollutant causing pass-through violations, ammonia must be considered a pollutant of concern and a limit placed in the user's permit. A compliance schedule would also be appropriate to ensure that the user takes all necessary steps to prevent future pass-through events.

POTW: Coldwater WWTPDATE OF INSPECTION: July 30, 2010

IU MONITORING & REPORTING VIOLATIONS

IU: H.C. Starck

1. Did this IU have any discharge limit violations during the evaluation period? YES

If yes, please complete the following table:

MONITORING VIOLATIONS								
Date of Violation	Self Monitoring Violation?	POTW Monitoring Violation?	Parameter (s)	Applicable Limit(s)	Monitoring Result	Enforcement Action Taken?	Resample in 30 days?	Return to Compliance?
10/1/09	X		ammonia	40 ppm	87.7 ppm	phone call	yes	yes
10/1/09	X		BOD	300 ppm	310 ppm	phone call	yes	yes
10/1/09	X		Phenols	0.2 ppm	0.3 ppm	phone call	no	?
6/1/10	X		BOD	300 ppm	370 ppm	phone call	yes	yes
6/1/10	X		ammonia	40 ppm	52 ppm	phone call	yes	yes

2. Was the level of enforcement appropriate to the violation(s) (was it in accordance with the approved Enforcement Response Plan)?

NO

If not, explain:

COMMENTS: *The local limits that have been violated are not related to the facility's point source sub-category. The cause of these occasional exceedences is unknown but should be investigated as it could indicate an unidentified wastestream and/or cross connection. If the City or facility has conducted an investigation to identify the source of ammonia, please provide the details with your response to this inspection report.*

3. Did this IU have any Reporting or Compliance Schedule violations during the evaluation period? NO

If yes, please list below:

REPORTING & SCHEDULE VIOLATIONS					
Report Type	Compliance Schedule Item	Date Due	Date Past Due	Enforcement Action Taken	Date Returned to Compliance

4. Was the level of enforcement appropriate to the violation (was it in accordance with the approved Enforcement Response Plan)? N/A

If not, explain:

5. Was this IU evaluated for Significant Noncompliance (SNC) during the evaluation period? N/A

Was the IU in SNC in any quarter of the evaluation period? N/A

6. Was the IU published for SNC? N/A

THE CA'S ENFORCEMENT OF THIS IU WAS:

- SATISFACTORY
 MARGINAL
 UNSATISFACTORY

RECOMMENDATIONS:

1. The high ammonia levels are of particular concern, especially given the ammonia compliance history of the WWTP. Ammonia may be process related; if so, a permit limit may be appropriate. If the local limit is violated again, it is strongly recommended that HC Starck be required to conduct an assessment of all chemicals and raw materials used, and by-products created, to determine if there is an ammonia source.

FORM B

POTW: Coldwater WWTP

DATE OF INSPECTION: July 30, 2010

ENFORCEMENT & DATA MANAGEMENT

1. 8 How many monitoring violations were found?
2. 5 How many violations received Enforcement Action? (phone call, NL, Fines)
3. 0* How many SIUs had violations resulting in SNC?
4. 0* How many SIUs were published for SNC?
5. Yes* Were any of the Enforcement Actions taken less than prescribed in the ERP?
6. No Were there any non-enforced SIU deficiencies for which the Control Authority (CA) lacked sufficient documentation for effective enforcement?
7. 2 How many instances where the CA did not enforce were there extenuating circumstances?
8. 0 How many reports were not received within 45 days of the due date?
9. 0 How many required reports were never received?
10. N/A How many SIUs in violation of reporting requirements were not enforced?

THE CA'S ENFORCEMENT OF ITS IPP IS:

- SATISFACTORY
 MARGINAL
 UNSATISFACTORY

REQUIRED ACTIONS:

1. **For the period covered (July 2009-June 2010), no violations qualifying as Significant Noncompliance (SNC) were noted. The preliminary response to pass-through violations in July 2010 is not in accordance with the approved Enforcement Response Plan (ERP). Furthermore, a violation that is twice the local limit for ammonia would seem to be significant and would warrant more than a phone call. The City must provide a plan for implementing enforcement in accordance with its approved ERP.*
2. *Several of the violations were for compatible pollutants that are subject to surcharges only if a Surcharge Agreement exists. A Surcharge Agreement could not be found, but it is believed that it may have been archived. Please provide a copy of the Surcharge Agreement with Darling International. If one cannot be located, a new agreement must be produced. For the compatible pollutant violations at H.C. Starole, if a Surcharge Agreement does not exist, these must be treated as violations in accordance with the SUD and ERP.*

of ATTACHMENTS: 2



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
LANSING



DAN WYANT
DIRECTOR

August 5, 2011

CERTIFIED MAIL

Mr. David Woodman,
Wastewater Treatment Plant Superintendent,
Coldwater Board of Public Utilities,
100 Jay Street
Coldwater, Michigan 49036

SVN No. SVN-000389

Dear Mr. Woodman:

SUBJECT: Second Violation Notice

The Department of Environmental Quality (DEQ), Water Resources Division (WRD), issued a Violation Notice, VN-004662, on September 3, 2010, in response to violations of Part 31, Water Resources Protection, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), MCL 324.3101 *et seq.* and the Administrative Rules promulgated there under being 2006 AACRS R 323.2101 *et seq.*, as amended and National Pollutant Discharge Elimination System (NPDES) Permit No. MI0020117. The Coldwater Board of Public Utilities (CBPU) has not provided an adequate response to the Violation Notice.

On September 17, 2010, CBPU responded to the Violation Notice and stated:

"As of August 29th 2010, the Coldwater WWTP has been in full compliance with its NPDES Permit (MI0020117). The SRF capital improvement projects are functionally complete. The improved aeration process and influent screen are now in place and operating to enhance the WWTP's ability to meet its NPDES permit limits with consistency. The WWTP staff continues to adjust the operating parameters as well, to maximize the plant efficiencies with the new equipment and influent characteristics (due to the removal of a substantial amount of groundwater infiltration in the collection system). In regards to the pass-through event from Darling International (Darling), the following actions have been taken: the WWTP has added ammonia testing to the daily testing done on Darling International's discharge. This will enable the WWTP and Darling to react to changes in Darling's effluent and avert any further ammonia problems from this facility. The Permit for Darling International has had Ammonia added and will be monitored daily. Biosolids are being hauled from the WWTP. This will prevent any return of supernatant from the digesters into the system, thus reducing the ammonia loading. We are having our engineering firm, Fishbeck, Thompson, Carr & Huber, review our surcharges and re-evaluate them based on the current design of the WWTP."

August 16, 2011

This response is not adequate because the SRF improvements designed to remove ammonia were functionally operational prior to the slug load from Darling International and were not sufficient to avoid the subsequent interference with WWTP operations and NPDES Permit limit violations. While the hauling of biosolids to eliminate the return of supernatant would be one appropriate step to avoid additional ammonia loading, previous reports from CBPU did not indicate that this measure had been taken. Furthermore, limiting the return of supernatant, which was reported as a control measure, was not adequate to reduce the impact of the slug from Darling on WWTP operations. Daily monitoring, while an appropriate measure to characterize the extent of the problem, is not a control action.

On October 5, 2010, CBPU responded to the Violation Notice and stated:

"Darling International has had ammonia added to their pollutants of concern and the WWTP is doing daily monitoring of the following pollutants: pH, BOD5, Suspended Solids and Ammonia. I have sent in a sample for grease testing and have set up to do semiannual testing for grease. Their sewer use permit has been amended to include ammonia as a pollutant of concern and will be tested daily. A copy of the [amended permit] is enclosed. A copy of the [surcharge] agreement is enclosed. The pH is ran daily and recorded on Darling International's bench sheets. Copies of several bench sheets are enclosed.

The testing that was done to determine the best way to update the plant to meet its NPDES limit for ammonia showed the major load was coming from within the WWTP itself. Supernatant return was the major source of the high ammonia problem in the facility. We had very little control regulating the amount of supernatant that was returned at one time. The highest loading was in our primary effluent. At that time the supernatant was brought back to the head of the primary clarifiers. The testing of the influent to the plant showed only two months out of nineteen that had an unusually high ammonia daily concentration; one was in August, 2009 of 120 mg/l and the other in December, 2009 of 100 mg/l. The average ammonia for the nineteen months tested was 12.18 mg/l in the plant influent, with an average max/day of 35.01 mg/l. A copy of the average ammonia test result is enclosed along with test results ran during the head works study done in June 2008 which has test results from the line that has both Darling International's and H.C. Starck's discharge flowing to the WWTP. The engineering firm of Fishback, Thompson, Carr & Huber, Inc. will review the City's Sewer Use Ordinance, Enforcement Response Plan and all procedures by which the City implements the IPP, including procedures by which the City develops industrial user permits, the procedures followed in the investigation of noncompliance and the process used to determine an appropriate level of enforcement based on the severity of the noncompliance. The engineers will also be looking at the City's surcharge agreement with Darling International. We will keep you updated on the progress in this review. This, along with daily testing of Darling International's effluent for ammonia, will prevent further problems.

H. C. Starck has searched for the source of [BOD, TSS and ammonia], each time that they have appeared in their discharge. They resample the day after the results are known and each time the pollutant has been below the limit of the concerned pollutant in the resamples tested. The next time it occurs the WWTP staff will assist H.C. Starck in its investigation to find the pollutant. We will test samples for ammonia to see if we can isolate where in the facility the pollutant is coming from to help determine the cause."

The response is inadequate for the following reasons: (1) the monitoring frequency of oil and grease must be semiannual, at a minimum; (2) Darling International's user permit still requires pH and O&G be analyzed using composite samples; (3) the terms of the existing surcharge agreement are based on a flow and loading that were one tenth the existing flow and loading; the existing surcharge agreement is not with Darling International at the current facility location and is therefore, invalid; (4) no intermediary actions to control industrial user (IU) discharges were proposed—monitoring is not a control action; (5) the WWTP ammonia sampling results that were submitted indicate that seepage is a major source of ammonia, but the WWTP continued to accept and process ammonia throughout the pass-through and interference event; (6) the supporting documentation was not sufficient to show that pH was not conducted daily; and (7) when resampling cannot confirm the presence of a pollutant that is rarely detected, other means of locating the source are needed, including, but not limited to, a thorough review of the materials used and an investigation of the sample collection procedures and laboratory results.

On November 5, 2010, CBPU responded to the Violation Notice and stated:

"On October 1, 2010, a meeting was held...to discuss a complete upgrade of our IPP. Results of this discussion led to an action plan that included the following tasks: (1) Conduct a new survey of nondomestic users; (2) Update the City's Sewer Use Ordinance (SUO) pursuant to latest regulatory requirements; (3) Prepare new permits for each Significant Industrial User (SIU), including any new SIUs resulting from our user survey; (4) Update the IPP Manual of Procedures to include details of identifying SIUs, developing permit conditions, conducting surveillance activities, and applying appropriate enforcement response. Enclosed is a copy of the agreement that was executed with FTC&H to provide these services...Recent discussions with Mr. Thaler indicated that the work has already been initiated and that related draft documents (user survey report, SUO revisions, SIU permits, Manual of Procedures, and surcharge rate report) should be ready for your review in approximately six months. We have reviewed the volume of process water from our three current SIUs. The daily flows are as follows: Darling International -- average 170,000 gallons a day; H.C. Starck -- 4,500 gallons a day; Coldwater Water Treatment Plant -- 66,000 gallons a day. We are underway with a sampling and evaluation program for each of these users to test for all pollutants of concern included in our SUO and/or recent local limits evaluation. Results will be reviewed in conjunction with FTC&H to determine if any modifications to current permit requirements are warranted. We are also underway with a separate sampling and evaluation program of Darling International's discharge to determine if their current permit limit for ammonia nitrogen should instead be expressed as total Kjeldahl nitrogen (TKN), which converts to ammonia nitrogen in the WWTP."

This response is acceptable with the following exceptions: The review of the nature and mass of all pollutants of concern entering the WWTP from all SIUs should consider the variability of a user's flow. The flow and mass of pollutants from Darling International are too variable to assess their pollutant contribution on average flow alone. Furthermore, of the IPP documents CBPU was to submit in six months, only the SUO has been submitted (May 19, 2011).

The violations identified in the Violation Notice that resulted from the pretreatment system upset at Darling International, have ceased. The violations identified in the Violation Notice dealing with the CBPU's failure to implement its approved IPP are continuing.

On February 9, 2011, WRD staff conducted Compliance and Industrial Pretreatment Program (IPP) Reconnaissance Inspections at the Coldwater wastewater treatment plant (WWTP), located at 100 Jay Street, Coldwater, Branch County. The purpose of the inspections was to evaluate the facility's compliance with Part 31; NPDES Permit No. MI0020117; and the Michigan pretreatment requirements in NPDES Permit No. MI0020117, issued on March 22, 2007, effective August 1, 2007.

Dave Woodman, WWTP Superintendent and Deborah Quinn, DEQ, participated in the inspection which included an interview and records review.

The following Industrial Pretreatment Program violations were identified during our inspection.

1. Rule 2310(2)(e) requires that pH, cyanide, total phenols, sulfide, volatile organics and oil and grease (O&G) be collected as grab samples. The IU permit issued to Darling International still stipulates that a composite sample be collected for the analysis of pH and O&G, although there was evidence that some pH analyses had been conducted on grab samples.
2. Rule 2306(c)(v) requires CBPU to conduct surveillance activities (IU Inspections) but does not require Michigan industrial pretreatment programs (MIPPs) to evaluate IUs for the need to control slug discharges. However, CBPU did evaluate Darling International for the need to control slug discharges during their inspection of the facility on October 21, 2010. The IU Inspection documentation of Darling International indicated that there was no need for a slug plan, even though the WWTP experienced pass-through and interference for a period of 41 days, directly related to Darling's pretreatment plant upset that resulted in slug discharges of high strength wastewater containing unacceptable levels of biochemical oxygen demand (BOD), suspended solids (SS) and ammonia nitrogen (NH₃). Furthermore, the inspection noted that there was no potential for a by-pass, even though correspondence from Darling indicated that they had intentionally by-passed treatment in 2005 without prior notification to the WWTP.

While the inspection documentation appears to be complete, it is important that those conducting IPP inspections be able to properly evaluate the potential for slug loads or by-passes.

- Rule 2306(e) requires CBPU to have qualified personnel to carry out the authorities and procedures described under Rules 2306 (a), (b), (c), and (d). The failure to recognize non-characteristic, high-strength wastewater as a slug discharge indicates that the CBPU has not satisfied the requirements of Rule 2306(e).
- 3. The CBPU issued a violation notice (VN) to Darling International on August 17, 2010, for violations resulting in pass-through and interference at the WWTP. This is the only written documentation, aside from analytical data, generated by CBPU for the 41-day pass-through and interference event. The VN references corrective actions that were discussed during the initial August 10th meeting, but the meeting and the topics discussed are otherwise, undocumented in the IU file.

Correspondence from Darling regarding corrective actions they have and/or plan to take, dated February 4, 2011, suggests additional enforcement-related discussions have occurred between CBPU and Darling International. Yet the correspondence file for Darling contained no other CBPU-generated notes or correspondence regarding this issue.

The VN issued by CBPU did not contain any corrective actions other than to return to compliance with effluent limits. If CBPU has required additional corrective actions since issuing the VN, they must be documented in the IU file.

Rule 2310(14) requires the POTW to retain for a minimum of 3 years, any records of monitoring activities and results, whether or not the monitoring activities are required by this rule, and shall make the records available for inspection and copying by the approval authority.

Furthermore, Rule 2306(c)(vi) requires CBPU, as the Control Authority, to investigate instances of noncompliance with pretreatment standards and requirements as indicated in the reports and notices required under Rule 2310, or indicated by analysis, inspection and surveillance activities described in Rule 2306(c)(v). Sample taking and analysis and the collection of other information shall be performed with sufficient care to produce evidence admissible in enforcement proceedings or in judicial actions.

- 4. Rule 2306(a)(iv) requires the development of a compliance schedule by a non-domestic user for the installation of technology required to meet applicable pretreatment standards and requirements and requires the submission of all notices and self-monitoring reports that are necessary to assess and assure compliance by the non-domestic user with pretreatment standards and requirements.

If CBPU has required additional actions that include the repair or replacement of equipment necessary for effective pretreatment, a compliance schedule should have been established in a binding enforcement document.

- 5. Darling International has failed to follow the notification requirements of their IU permit with regard to the prior notification of the 2005 by-pass and immediate notification of the 2010 pretreatment plant upset. There is no documentation, including the Violation Notice issued by CBPU on August 17, 2010, that indicates CBPU took enforcement action for Darling's failure to provide the required notifications.

Rule 2310(5) requires all nondomestic users to notify the POTW immediately of all discharges that could cause problems to the POTW, including slug loadings. Rule 2316 requires nondomestic users to submit prior notification when the need for a bypass is known in advance. Rule 2306(g) requires the Control Authority to enforce all applicable pretreatment requirements and standards.

In addition, the following violations of NPDES Permit No. MI0020117 were identified during the inspection.

6. As a result of the on-going ammonia violations at the Coldwater WWTP, the return of supernatant from the digesters was rerouted from primary treatment to the plant headworks and a procedure was implemented to reduce the return rate to ensure adequate treatment. This is the only reported operational change that was implemented before or after the pass-through and interference event caused by the upset of Darling International's pretreatment system.

In your response to VN-004662, you submitted the results of a study conducted to assess ammonia treatment options. The data suggest that septage, which is delivered by truck and discharged to a 300,000 gallon receiving station, is a major source of ammonia. CBPU has control over the receipt of septage at the station and control of the amount pumped to the headworks of the WWTP. During this event, the WWTP continued to receive and pump septage to the plant headworks.

Part II.D.5 of NPDES Permit No. MI0020117 requires CBPU to take all reasonable steps to minimize any adverse impact to the surface waters or groundwaters of the state resulting from noncompliance with any effluent limitations specified in the permit.

Code of Federal Regulations, 40 CFR 122.41(d) requires a facility with an NPDES permit to take all reasonable steps to minimize or prevent any discharge or sludge use or disposal in violation of the permit which has a reasonable likelihood of adversely affecting human health or the environment.

40 CFR 122.41(c) states "It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit."

The Coldwater WWTP was in noncompliance with its NPDES ammonia limit for four years when the Darling International pretreatment plant upset occurred, increasing the number and magnitude of the ammonia violations. Yet the WWTP made no effort to limit controllable sources of ammonia to reduce the magnitude of its violations and consequent impact on waters of the state. According to WWTP records, 53,000 gallons of septage was received in August 2010. Continuing to accept septage, a significant and controllable source of ammonia, for treatment during a major industrial overload to the WWTP, underscores the need for CBPU to develop AND implement procedures to deal with interference and pass-through events.

7. Reporting Errors.

- a. Mercury. The mercury data values entered on the daily Discharge Monitoring Report (DMR) often did not correspond to those entered on the monthly DMR. A

variety of reporting errors were noted, including: decimal errors; data transfer or typographical errors; rolling average calculation errors; reporting a numerical value on each day of the month even though a sample was collected on only one day of the month; and reporting a numerical value in place of an "E" for a non-reporting month under quarterly monitoring requirements. Some of the reporting errors have been corrected—thank you for your timely attention to this matter. However, further review indicates that the reporting errors date back at least to December 2005 and that some of the "corrections" are incorrect. There should be NO value reported on a day in which no sample was collected—currently, the daily DMR has a "0" entered for mercury on each day of the month except the day on which the sample was collected. Entering any value—even a "0"—implies that a sample was collected and that the pollutant was not detected in the sample.

- b. Total Suspended Solids (TSS). The daily concentration and loading values for TSS for the months of February 2008, February 2009, February 2010 and February 2011 have been entered in the wrong columns on the daily DMR. Given that the month of February is the only month in which this type of error occurred, please review your records to identify and correct the source of this error.
- c. Fecal Coliform. Fecal coliform reporting was discussed during the last inspection and corrections to your reporting of "too numerous to count" (TNTC) values has been corrected for 2010-2011. However, several daily DMRs prior to June 2010 contain numerous fecal coliform colony counts of "240", which appeared to be the maximum obtainable value for the sample dilution yielding results within the acceptable range for the analytical procedure used. During this inspection, you indicated that CBPU runs two daily samples—a 100 ml sample and a 50 ml sample/dilution. You further indicated that, if both samples yielded TNTC results, then CBPU reported the maximum reportable value based on the 100 ml sample. Based on that information, the reported value of 240 counts per 100 ml did not appear accurate.

Standard Methods for the Examination of Water and Wastewater, Method 9222-D, recommends a sample size of 10, 1, and 0.1 ml for wastewater treatment plants, or sample sizes that consistently yield 20-60 counts per membrane. If the 100 and 50 ml samples are regularly yielding fecal coliform counts over 60, then a smaller sample size or dilution must be used to produce valid results. When the selected sample sizes continue to yield TNTC results several days in a row, the procedure dictates that a smaller or more dilute sample be added. NPDES Permit No. MI0020117 requires that samples be collected and analyzed in accordance with the Code of Federal Regulations, 40 CFR 136. Failure to follow approved procedures for analyzing effluent samples for compliance with NPDES Permit limits is a violation of your permit.

Because the maximum value being reported did not correspond to the procedures that you described, DEQ staff performed an audit on May 18, 2011, of the laboratory bench sheets for fecal coliform bacteria. It was determined that, in addition to a 100 ml sample, CBPU regularly uses a 25 ml dilution (not a 50 ml sample), from which the value of 240 is appropriately derived when a maximum colony count of 60 is obtained. The audit also revealed that TNTC results obtained from the 100 ml sample were reported in lieu of valid results obtained from the

25 ml sample and that, when both samples had countable colonies outside the range, the results of the 100 ml sample were used even when the 25 ml sample yielded more representative results.

In 2010, the DEQ developed a laboratory training manual for wastewater operators. A copy of the fecal coliform procedure contained in that manual was provided you on May 18, 2011. The procedure includes the proper methods of calculating and reporting fecal coliforms on DMRs and bench sheets. If all sample dilutions yield TNTC results, the appropriate value to report is the maximum reportable value (60) multiplied by the highest dilution factor (smallest sample). For example, if a 1 ml sample is filtered, a dilution factor of 100 is multiplied by 60 to yield a count of "greater than" (>) 6,000 colonies per 100 ml.

The frequency with which invalid results have been reported calls into question CBPU's compliance status with fecal coliform limits. CBPU must begin using a more representative range of sample sizes in order to obtain a higher frequency of fecal coliform colony counts that occur between the procedural range of 20-60.

Based on the audit results, CBPU must review the fecal coliform data on laboratory bench sheets for the months of February 2010, March 2010 and May 2010 to determine if the reported fecal coliform values of "240" or "Y" conform to the proper reporting procedures. Where TNTC values were reported as "240" or "Y" and should have been based on a dilution other than 100%, the 7-day and/or monthly geometric means must be recalculated and, if necessary, the daily and monthly DMRs must be revised.

Part I.A.1 of NPDES Permit No. MI0020117 specifies the effluent limits and reporting requirements for Outfall 001 of the Coldwater WWTP. Accurate reporting is required to assess compliance with the stated limits. CBPU is in violation of the reporting requirements of NPDES Permit No. MI0020117.

8. In accordance Part I.A.3 of the permit, CBPU was required to submit, on or before March 31 of each year, a Mercury Pollutant Minimization Program (PMP) status report for the previous calendar year. CBPU failed to submit the PMP by the due date of March 31, 2011. The failure to submit the PMP Annual Report is a violation of your permit. (NOTE: DEQ staff notified CBPU on August 3, 2011 that the report was not received and you submitted the report the next day, noting that the report had been completed on time, but the failure to submit it was an oversight).

The violations identified in the Second Violation Notice are violations of Part 31 of the NREPA and NPDES Permit No. MI0020117.

CBPU shall take immediate action to achieve and maintain compliance with the terms and conditions of NPDES Permit No. MI0020117 and Part 31 of NREPA.

Please submit a plan and schedule to develop and/or address the following items, to this office by September 19, 2011. At a minimum, the plan shall include:

- A. CBPU shall develop operational procedures to avert NPDES permit violations caused by impaired treatment capacity. These procedures shall include the following:
- (i) Operational procedures to respond to and mitigate interference with WWTP operations. These procedures must be based on an assessment of the total loading of each pollutant that may cause interference; identification of the major controllable sources of each pollutant; identification of major industrial sources of each pollutant; and an action plan that prioritizes source reductions and other measures to mitigate the noncompliance. This requirement is not a procedure to investigate individual industry for noncompliance, but measures that will be taken at the WWTP to mitigate the impact of such noncompliance.
 - (ii) Operational procedures to reduce or eliminate pass-through violations. The procedures must include a list of all sources that have a potential to discharge concentrations of pollutants at levels that would pass through the WWTP untreated; measures to identify the nature and source of the pass-through substance; and source-specific measures to reduce and control the pass-through substance to return the WWTP to compliance.
- B. CBPU shall develop procedures to investigate instances of noncompliance and adequately respond to noncompliance that results in pass-through or interference. These procedures are to be developed in conjunction with those required in item A. CBPU responded on October 5, 2010 that procedures to investigate noncompliance would be submitted in May 2011, but to date, they have not been received.
- C. In conjunction with the pollutant assessment in Item A, a review of the nature and mass of all pollutants of concern (POC), including the variability of the mass from each source due to the change in flow and other characteristics, shall be submitted. A preliminary review was submitted on November 5, 2010, with the remaining information to be submitted in May 2011. That submittal has not been received.
- D. A review of the monitoring requirements of each SIU and correction of any inappropriate monitoring requirements including sample type (grab or composite); minimum sampling frequency for all pollutants of concern; and the inclusion of monitoring requirements for all pollutants of concern and/or categorical standards.
- E. CBPU shall appoint an IPP coordinator who will be responsible for carrying out the day-to-day activities of the IPP including sampling, inspections, surveillance activities and investigating instances of noncompliance. CBPU shall develop and submit for approval, a training plan for the IPP coordinator, to include, at a minimum, four IPP-specific courses or webcasts that the coordinator will complete within a two year period. We recommend IPP-specific webcasts

developed by the Environmental Protection Agency (EPA) which may be accessed at <http://www.epa.gov/npdes/training>. We also recommend the IPP courses developed by the California State University (CSU) at Sacramento for EPA. Courses and training materials offered by CSU may be found at: <http://www.owp.csus.edu/courses/wastewater.php>. Upon the termination of employment of the designated IPP coordinator, CBPU shall designate a new IPP coordinator who shall satisfy the same training requirements. The name of the staff designated as the IPP coordinator and the training plan shall be included with your submittal.

- F. CBPU must develop a plan for IPP records retention, to include the appropriate and adequate documentation of all records pertaining to nondomestic users that are regulated by CBPU in accordance with all applicable state and federal regulations. All documentation related to a user's permit, including but not limited to, written or electronically-generated correspondence, analytical data, phone logs, meeting notes and enforcement notices, must be documented in the user's file. Please submit copies of all written or recorded documentation generated by CBPU staff, including correspondence, meeting notes, electronic records and phone logs generated from July 15, 2010 to present, in response to the Darling International violations that occurred from July 15 through August 31, 2010, excluding analytical data, with your response.
- G. If applicable, CBPU shall develop a compliance schedule for any actions required of Darling International that have not yet been completed to ensure continued compliance and incorporate that schedule into an enforceable document.
- H. CBPU must enforce the notification requirements contained in user permits. To that end, CBPU shall develop enforcement procedures to respond to a nondomestic user's failure to make a required notification. Furthermore, CBPU must acknowledge with your response that by-pass potential exists at Darling International or provide evidence that the by-pass potential has been eliminated.
- I. CBPU shall review all mercury, TSS and fecal coliform data, reviewed in Item 7 above; make all necessary corrections to improperly reported data on paper DMR forms; and submit the corrected DMRs with your response for our review.
- J. CBPU shall develop procedures for selecting an appropriate sample dilution series for fecal coliform analyses and proper reporting on DMR forms. Analysis and reporting shall follow the protocols outlined in the State of Michigan's *Laboratory Training Manual for Wastewater Treatment Plant Operators - 2010*, with the following exception: a ">" sign cannot be entered on the electronic daily DMR, therefore, the appropriate error code for "TNTC" must be entered, but the calculated ">" value must be used to calculate the seven day and monthly geometric means.
- K. CBPU shall review the cause of its DMR reporting errors and develop quality assurance/quality control procedures to improve reporting accuracy.

Coldwater Board of Public Utilities
Page 11 of 11
August 15, 2011

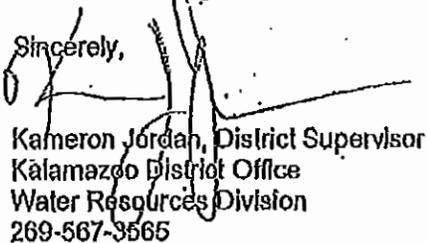
If you have any factual information you would like to share with us regarding the violations identified in this Notice please provide them with your written response.

Compliance with the terms of this Notice does not relieve CBPU of any liability, past or present from the failure to meet the conditions specified in NPDES Permit No. M10020117 or failure to comply with Part 31, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended.

Due to the severity of the noncompliance, the matter has been referred for escalated enforcement.

We anticipate and appreciate your cooperation in resolving this matter. Should you require further information regarding this Notice or if you would like to arrange a meeting to discuss it, please contact Ms. Deborah Quinn, Water Resources Division, Kalamazoo District Office, at 269-567-3574; quinn3@michigan.gov; or Department of Environmental Quality, 7953 Adobe Road, Kalamazoo, Michigan 49009-5026.

Sincerely,



Kameron Jordan, District Supervisor
Kalamazoo District Office
Water Resources Division
269-567-3565

Enclosures

cc: Mr. Paul Beckhusen, Director of Public Works
Mr. Michael Masterson
Mr. Barry Selden, DEQ
Ms Grace Scott, DEQ
Mr. Kameron Jordan, DEQ

FORM C1

ATTACHMENT: 1

POTW: Coldwater WWTP

DATE OF INSPECTION: February 9, 2011

INDUSTRIAL USER PERMIT EVALUATION

INDUSTRIAL USER: Darling International
 FACILITY ADDRESS: 600 Jay Street, Coldwater
 CONTACT: Marty Slocum, Plant Manager

Classified As: SIU

1. Date Current Permit was Issued: 8/17/07 Date Effective: 9/1/07
 Date Modified: 9/14/10 Date Expires: 8/31/12
2. The permit is current and does not exceed 5 years duration. YES
3. The permit was reissued within 180 days of expiration of the previous permit: YES
4. The previous permit did not exceed 5 years or was extended. YES
5. PERMIT LIMITS & MONITORING SUMMARY: Outfall 001

PARAMETER	DAILY	MONTHLY	POTW Monitoring Frequency		SIU Monitoring Frequency	
	MAX (mg/L)	AVE (mg/L)	Required	Conducted	Required	Conducted
Arsenic	2.2	2.2		1		
Cadmium	0.02	0.02		1		
Chromium-Total	2.3	2.3		1		
Copper	1.4	1.4		1		
Cyanide	0.5	0.5		1		
Lead	0.6	0.6		1		
Mercury	0.0002	0.0002				
Molybdenum	0.6	0.6		1		
Nickel	0.55	0.55		1		
Selenium	0.2	0.2		1		
Silver	0.015	0.015		1		
Zinc	2.2	2.2		1		
BOD / CBOD	300	300	daily-110x	101	N/A	
TSS	300	300	daily-110x	102	N/A	
Phosphorus	20	20				
O & G	100	100	S	1	N/A	
pH	5.5 min	9.5 max	daily-110x	100	N/A	
flow	500000		continuous	110 days		
ammonia	40	40	daily-70x	67		6
COD	700	700				1
Chlorine Demand	30	20				1
Temperature	32-150					
Hexavalent Chrome	0.04	0.04				
Beryllium	0.005	0.005				
Total Phenols	0.2	0.2				

The limits in the table above are Categorical; Local Limits; Combination

6. Are the limits appropriate for the classification of this industry? YES
 Comment: The ammonia limit was added after the pass-through/interference event.

FORM D1

POTW: Coldwater WWTP

DATE OF INSPECTION: Feb. 9, 2011

SIU: Darling International

POTW OVERSIGHT

1. This IU was inspected during the year covered by the PCI. (R 323.2306(c)(v)) YES
Date of Inspection: 10/21/2010? (says 2011- "unannounced" at 7:45 pm?)
2. Inspection documentation contained all of the following:

<input checked="" type="checkbox"/> Contact Information	<input checked="" type="checkbox"/> Assessment of Storage Areas
<input checked="" type="checkbox"/> Date of the Inspection	<input checked="" type="checkbox"/> Assessment of Productions Areas
<input checked="" type="checkbox"/> Name of the person conducting inspection	<input checked="" type="checkbox"/> Evaluation of the need for a Slug Plan
<input checked="" type="checkbox"/> Whether it was scheduled or unannounced	<input checked="" type="checkbox"/> A review of discharge routes to sanitary
<input checked="" type="checkbox"/> Type of business or categorical classification	<input checked="" type="checkbox"/> Assessment of Housekeeping
<input checked="" type="checkbox"/> Wastewater type and flow information	<input type="checkbox"/> IU Laboratory practices
<input checked="" type="checkbox"/> Wastewater treatment information	<input checked="" type="checkbox"/> Whether or not Violations were observed/noted
<input checked="" type="checkbox"/> Description of wastewater characteristics	
3. Is Inspection Documentation adequate? YES
4. If Violations were noted in the report, was Enforcement Action taken? N/A
If yes, describe: the facility had returned to compliance by 10/21/10
5. This IU has submitted a slug or spill control plan to the POTW. NO

COMMENTS:

1. The inspection findings indicated that there had been no slugs or spills since the last inspection (2009). The inspector did not consider the the Darling upset and excessive loading of ammonia, solids and BOD from Darling to be a slug load.
2. The inspection noted that a slug plan was not needed for this facility, even though the slug loads received from Darling caused both pass-through and interference with WWTP processes.
3. Overall, inspection documentation was complete, but the inspector needs to become more familiar with IPP terminology and regulatory requirements. Inspection reports should be reviewed to eliminate errors such as the wrong inspection date and/or time.
4. The "potential for bypass" was marked "no" even though the facility had an intentional and bypass in 2005 that was not reported in advance. This was reviewed in the 2010 PCI checklist and was to be addressed by the City.
5. A review of the data indicated that there have been no violations from September through December.
6. The City has not required, in writing, any corrective actions of Darling. Correspondence from Darling listing corrective actions that they will take, appears to be the result of a non-documented meeting. Darling has not committed to a schedule by which these actions will be completed.

FORM E1

POTW: Coldwater WWTP

DATE OF INSPECTION: February 9, 2011

IU MONITORING & REPORTING VIOLATIONS

IU: Darling International

Review Period: September - December 2010

1. Did this IU have any discharge limit violations during the evaluation period? NO

If yes, please complete the following table:

MONITORING VIOLATIONS								
Date of Violation	Self Monitoring Violation?	POTW Monitoring Violation?	Parameter (s)	Applicable Limit(s)	Monitoring Result	Enforcement Action Taken?	Resample in 30 days?	Return to Compliance?

2. Was the level of enforcement appropriate to the violation(s) (was it in accordance with the approved Enforcement Response Plan)?

N/A

If not, explain:

COMMENTS: Darling had many violations of the local limit for ammonia between July 15 and August 30. This inspection concentrated on violations from September 1-December 31, 2010.

3. Did this IU have any Reporting or Compliance Schedule violations during the evaluation period?

YES

If yes, please list below: (Review Period: Jan-Dec 2010)

REPORTING & SCHEDULE VIOLATIONS					
Report Type	Compliance Schedule Item	Date Due	Date Past Due	Enforcement Action Taken	Date Returned to Compliance
upset notification		July 13, 2010		Violation Notice Aug 17, 2010	8/28/10

4. Was the level of enforcement appropriate to the violation (was it in accordance with the approved Enforcement Response Plan)?

NO

If not, explain: The VN was not issued in a timely manner and did not address the lack of upset notification. Furthermore, there was little effort to reduce loading to the POTW and the City did not respond in accordance with its SUO or ERP.

5. Was this IU evaluated for Significant Noncompliance (SNC) during the evaluation period?

YES

Was the IU in SNC in any quarter of the evaluation period?

YES

6. Was the IU published for SNC?

YES

RECONNAISSANCE INSPECTION FORMFacility Designated Name: Coldwater WWTPPermit No.: MI0020117Inspection Purpose/Description

Scheduled Unscheduled Complaint/Unpermitted Termination
 Permit Issuance Enforcement

<u>Inspection Participant Names</u>	<u>Titles</u>	<u>Affiliation</u>	<u>Phone</u>
<u>Deborah Quinn</u>	<u>EOA</u>	<u>DNRE</u>	<u>269-567-3574</u>
<u>Dave Woodman</u>	<u>Superintendent</u>	<u>CBPU</u>	<u>517-278-4118</u>

Opening Conference Notes:

WWTP improvements since last inspection: Two new turbo compressors (blowers) have been installed and operating; IFAST media has been added to the aeration tanks; a new fine screen (influent) has been added.

Operational changes to avoid NH3 violations: Supernatant is now returned to the headworks, not the primaries; because the septage receiving station holds 300,000 gallons, they are considering, as a procedure, using the tank to store septage rather than pumping it to treatment if ammonia removal becomes inadequate. Septage was being pumped to the headworks during August 2010. There are no procedures yet for industrial overloads.

Mercury reporting problems: mercury data is entered into a spreadsheet that calculates the monthly load and the rolling average. The daily values appeared to be entered correctly. The problem appears to be data entry errors on the monthly DMR. These need to be corrected.

How are Y values in fecal coliform data handled in calculating geometric means? The Coldwater lab normally runs two sample replicas: a 50 ml and 100 ml. If both are "TNTC", then they record a value of ">240" (from the undiluted sample). First, when all replicas are TNTC, the highest dilution should be applied to the maximum number of colonies, in this case, the result should be ">120." Second, if TNTC results for both replicas is not uncommon, the lab should be running a higher dilution, either in addition to, or in place of, the 50 ml sample (example: 10 and 100 ml or 1, 10 and 100 ml).

MAY 18, 2011 UPDATE: An audit of the fecal coliform bench sheets was conducted. Coldwater is standardly using a 25 ml and 100 ml sample, making "240" the appropriate

value with a result of 60 colonies or TNTC. Where sample results yielded a recordable number, close to, but >60 cts at 100 ml and <20 cts at 25 ml. CBPU used the 100 ml sample results even when the 25 ml results provided more representative data or the two results should have been averaged. Of greater concern is the number of TNTC values encountered on a regular basis and CBPU's failure to follow proper laboratory procedures which call for higher dilutions (smaller samples- example, 1 or 10 ml).

What caused the TSS violations in Feb 2010? These were the result of data entry errors--the pounds per day values were inserted in the mg/l column and vice versa. Further review indicates that CBPU has had the same data entry error for TSS in February for 4 straight years, indicating an error in their spreadsheet.

Areas Evaluated (S = Satisfactory, M = Marginal, U = Unsatisfactory, NA Not Applicable, NR = Not Reviewed)

U	Records Submittals & Reporting	S	Self Monitoring Records
S	Facility Site Review	S	Specific Treatment Types
NR	Sampling Procedures	U	Operation & Maintenance
M	Analytical Methodology	S	Other: no unusual conditions at outfall
	Other:		Other:

Closing Conference Notes:

1. Upgrades for ammonia removal are complete; operations appeared normal.
2. The WWTP did not implement adequate controls in July-August 2010 to avert pass-through and interference. The WWTP needs to develop operational control procedures to deal with unusual conditions that result in pass-through or interference.
3. There were quite a few reporting errors in 2010. Data should be reviewed before submittal.
4. Staff should review the fecal coliform procedures in the DEQ manual and adjust their reporting procedures accordingly.

YES NO Were photographs taken?

Completed By: Deborah Quinn Date of Inspection: FEB 9, 2011



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
LANSING



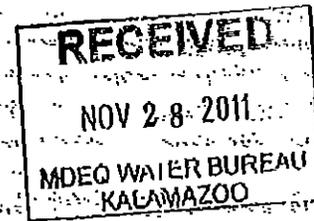
DAN WYANT
DIRECTOR

NOTICE No. EN-000117

November 22, 2011

CERTIFIED MAIL 7007 1490 0003 9692 7996

Mr. Paul H. Beckhusen, Director
Coldwater Board of Public Utilities
One Grand Street
Coldwater, Michigan 49036



Dear Mr. Beckhusen:

SUBJECT: Coldwater WWTP, Coldwater Board of Public Utilities (CBPU)

This letter serves as both the Department of Environmental Quality's (DEQ) response to Mr. David Woodman's correspondence dated September 19, 2011, responding to the DEQ's Second Violation Notice to the CBPU and notification of pending enforcement.

Mr. Woodman's letter solicited a response regarding the adequacy of the CBPU's action items responsive to the Violation Notices issued since the fall of 2010. While the DEQ, Water Resources Division (WRD) appreciates that the CBPU has taken steps to rectify the significant deficiencies identified by WRD staff within its Industrial Pretreatment Program, the severity of the discharge event related to the Darling International pretreatment upset in July and August 2010 compounded with historic exceedances of National Pollutant Discharge Elimination System (NPDES) permit limits and ineffective enforcement by the CBPU of requirements for Significant Industrial Users, warrant a formal commitment by the CBPU to improve its processes to both protect surface water quality and the investment Coldwater's citizens have made in their local wastewater treatment plant.

The WRD's Kalamazoo District Office, has referred this matter to the Enforcement Unit for escalated enforcement related to previously alleged violations of state regulations and the CBPU's NPDES permit. Those allegations contained within Violation Notices issued to the CBPU on November 26, 2008; September 3, 2010; and August 5, 2011, are summarized below and in the enclosed, draft Administrative Consent Order.

Please be advised that the CBPU has failed to comply with various terms of the NPDES permit issued to the CPBU on March 22, 2007, and effective as of August 1, 2007, including Part I, Section C.1, which requires full compliance with Michigan's Industrial Pretreatment Program.

You are advised that the DEQ, WRD has determined that numerous violations of effluent limitations set forth in the CBPU's NPDES permit were violated over a 48 day period in July and August 2010.

Be further advised that the WRD has determined that the aforementioned violations were directly attributable to discharges from a non-domestic user of the CPBU's publicly-owned treatment system, namely, Darling International, Inc. (Darling). The CPBU failed to respond to Darling's pretreatment system upset in accordance with the CBPU's Industrial Pretreatment Program

approved by the DEQ on May 1, 1985; the terms of the current NPDES permit; and the Part 23 administrative rules promulgated in accordance with Part 31, Water Resources Protection, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA). As a result of these failures on the part of both the CBPU and Darling, the WRD is escalating enforcement against both parties.

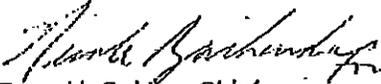
The violations identified within this Enforcement Notice and previously issued Violation Notices, as well as any additional violations discovered hereafter must be formally resolved through entry of a legally enforceable document, including the payment of fines and costs allowed by Part 31. In anticipation of the CBPU's willingness to resolve this matter, a draft ACO has been enclosed for the CBPU to review, which includes suggested deadlines for necessary compliance deadlines, many corresponding to improvements that the CBPU appears to already have underway per Mr. Woodman's September 19, 2011, letter.

Negotiations to resolve this matter through administrative actions shall not, in general, exceed 90 days. In addition, the CBPU was previously provided a courtesy copy of the similar Enforcement Notice issued and draft ACO offered to Darling. A first meeting with Darling representatives regarding that enforcement action is scheduled for November 10, 2011.

The DEQ reserves its right to take all necessary and appropriate enforcement actions for all violations of Part 31 that have occurred to date and any violations of Part 31 that may occur in the future. These actions may include, but are not limited to, seeking civil fines, injunctive relief, natural resources damages, all costs associated with this enforcement action, including attorney costs and any other relief available to the DEQ.

The CBPU may request a preliminary meeting with DEQ, WRD enforcement staff to discuss the issues detailed in this enforcement notice and enclosed draft ACO. If you would like to participate in such a meeting, please contact Ms. Nicole M. Zacharda, Enforcement Specialist, EU, WRD, at 517-241-4115; Zachardan@michigan.gov; or DEQ-WRD, P.O. Box 30458, Lansing, Michigan 48909-7958, not later than 10 days from your receipt of this notice and enclosure. Failure to negotiate a resolution of this matter through entry of an ACO may result in the referral of the case to the Michigan Department of Attorney General for the filing of a civil lawsuit.

Sincerely,


Barry H. Selden, Chief
Enforcement Unit
Water Resources Division

Enclosure

cc: Mr. David Woodman, Superintendent WWTP, CBPU
Mr. Mike Masterson, DEQ
Mr. Kameron Jordan, DEQ
~~Ms. Deborah Quinn, DEQ~~
Ms. Nicole M. Zacharda, DEQ



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
KALAMAZOO DISTRICT OFFICE



DAN WYANT
DIRECTOR

August 16, 2012

Mr. Paul Beckhusen, Director of Public Works
Coldwater Board of Public Utilities
1 Grand Street
Coldwater, Michigan 49036

Dear Mr. Beckhusen:

SUBJECT: Industrial Pretreatment Program Reconnaissance Inspection
National Pollution Discharge Elimination System (NPDES) Permit No. MI0020117
Designated Name: Coldwater WWTP – Branch County

On August 9, 2012, staff of the Department of Environmental Quality (DEQ), Water Resources Division (WRD) conducted an Industrial Pretreatment Program (IPP) Reconnaissance Inspection at the Coldwater Wastewater Treatment Plant (WWTP), 100 Jay Street, Coldwater, Michigan 49036, Branch County, owned and operated by Coldwater Board of Public Utilities (CBPU). The purpose of the inspection was to evaluate the facility's compliance with Part 31, Water Resources Protection, of the Natural Resources and Environmental Protection Act, 1994 PA 461, as amended, MCL 324.3101 *et seq.* and the Administrative Rules promulgated there under being 2006 AACRS R 323.2101 *et seq.*, as amended, and the Michigan pretreatment requirements in NPDES Permit No. MI0020117, issued March 22, 2007, effective August 1, 2007. The routine inspection was conducted at the conclusion of the laboratory audit conducted by the United States Environmental Protection Agency (US-EPA) and the WRD on August 8 and 9, 2012, with the concurrence of CBPU staff on August 8, 2012.

Mr. John McDonnell, Acting Superintendent, participated in the inspection which included a review of the Industrial user files for Darling International (Darling).

The following items were reviewed and/or discussed during the inspection. Since the items relate to the CBPU's ongoing negotiation of an Administrative Consent Order (ACO) with the WRD, we recommend that you share this correspondence with the CBPU's attorney in that matter, Mr. Mike Robinson. We understand that Mr. Robinson has made steady progress in revising certain components of the CBPU IPP and believe the items identified below warrant review and incorporation into program revisions. Many of these items have been raised in prior correspondence and discussions between the CBPU and WRD.

1. The Darling permit expires August 31, 2012, and must be reissued by then or the permit will exceed a five year duration. Darling's application contains several requests for permit modifications, including a special condition that would allow only data collected by Darling to be used to measure compliance. DEQ staff reminded Mr. McDonnell that all data collected and analyzed using Title 40 Code of Federal Regulations, Part 136, Guidelines Establishing Test Procedures for the Analysis of Pollutants methods shall be used to determine compliance and that Darling's request is contrary to law.

CBPU must reissue the Darling permit by August 31, 2012. Because of the nature of the requested modifications and the existence of a pending enforcement action, we strongly

Mr. Paul Beckhusen, Director of Public Works

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recommend that CBPU reissue the existing Darling permit for a short duration of six months to one year, without modification, with the possible exception of the elimination of the condition in Part 3, Special Conditions, which states that all sampling of Darling's effluent will be conducted by CBPU.

2. The existing permit for Darling still lists oil and grease (O&G) and pH as composite samples. These parameters must be collected by grab sample. Please make this correction to the Darling permit during the reissuance process.
3. A draft Manual of Procedures (MOP) was submitted to DEQ in October 2011. The MOP contained the results of an industrial user survey that identified several industries as potential Significant Industrial Users (SIUs), including Aleris Specification Alloys, Asama Coldwater Manufacturing, and Florence Crane and Lakeland correctional facilities.

Please advise the WRD of the status of the facilities included in the MOP as potential SIUs, with regard to user designation (significant, categorical or non-significant) and, if applicable, permit issuance. This may be included in a revision of the MOP submitted for WRD review.

4. CBPU was requested under Second Violation Notice No. SVN-000389 to appoint an IPP coordinator. Mr. Dave Woodman, the WWTP Superintendent at the time, was identified for that responsibility. With the retirement of Mr. Woodman on May 31 2012, the IPP coordinator position has been vacant. CBPU was also requested under SVN-000389 to designate a new IPP coordinator when the position became vacated. To date, CBPU has not refilled the IPP coordinator position.

CBPU currently does not have oversight of the IPP by staff with the appropriate training. CBPU must fill this position as soon as possible. It was indicated earlier this year that CBPU was planning to create an environmental manager position that would have administrative oversight of the IPP. Please advise the WRD of how CBPU plans to satisfy the SVN requirement to appoint a new IPP coordinator.

5. CBPU had increased their oversight of Darling in 2011 by conducting more frequent user inspections. Inspection documentation reviewed during the inspection still indicated an erroneous belief by CBPU that there is no potential for slugs and that a slug control plan is not needed at Darling. The pretreatment system upset that occurred at Darling from July-August 2010 generated a slug load of high-strength wastewater that resulted in pass-through at, and interference with, the Coldwater WWTP.

The inability to recognize slug potential underscores the need for CBPU to appoint and provide adequate training for a new IPP coordinator. SVN-000389 required CBPU under paragraph E to develop an approvable training plan for the IPP coordinator. The WRD anticipates that a detailed plan on staff training will be presented by CBPU as part of the ongoing ACO negotiation.

6. File documentation reviewed during the inspection also indicated that Darling had their flow meter calibrated on March 16, 2012, by UIS Programmable Services. The UIS inspector noted that the effluent drain pipe was clogged causing the wastewater to back up and creating artificially high flow readings. He also noted that the flume needed cleaning.

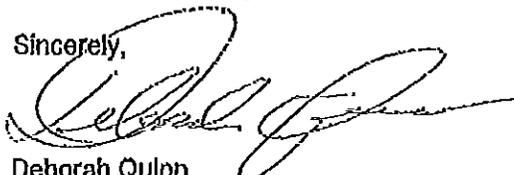
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This report raises new concerns about deficiencies in the operations and maintenance (O&M) program at Darling. Regular cleaning and maintenance of the wastewater collection system and monitoring devices should be part of their O&M procedures. As these deficiencies may impact compliance with IPP standards and requirements, CBPU must implement their approved IPP to ensure compliance by Darling, including the control of slug loads (see #5). The WRD's concerns with Darling's O & M program were also shared with you via carbon copy on a letter the WRD sent to Darling dated July 23, 2012.

Thank you for your cooperation in these matters. The WRD recognizes that the CBPU is expending a significant effort in revising various documents comprising the IPP to assure compliance with NPDES permit requirements and associated state law requirements. The WRD would appreciate a written status update on the CBPU's progress toward submitting those various documents for WRD review, including a revised Sewer Use Ordinance, not later than September 21, 2012.

Should you require further information, please contact me at 269-567-3574; quinnd3@michigan.gov; or Department of Environmental Quality, Water Resources Division, Kalamazoo District Office, 7953 Adobe Road, Kalamazoo, Michigan 49009-5025.

Sincerely,



Deborah Quinn
Kalamazoo District Office
Water Resources Division

DQ:DMM

cc: Mr. John McDonnell, CBPU
Ms. Nicole Zacharda, DEQ
Ms. Grace Scott, DEQ

DEQ-WATER RESOURCES DIVISION
POST INSPECTION REPORT

Coldwater WWTP
Industrial Pretreatment Prog Recon
Inspection ID: 47421

FACILITY INFORMATION

Facility Name: Coldwater WWTP
Facility Address:

100 Jay Street

Coldwater, Michigan 49036

Facility Phone: (616) 279-9531

Facility Contact: John McDonnell

Facility Contact Phone: (517) 278-4118

Permit Reviewed Permit No.: MI0020117

Issued: 3/22/2007

Effective: 8/1/2007

Expires: 10/1/2011

App. Due: 4/4/2011

Certified Operator: John McDonnell

Certified Operator Phone:

Primary Industry:

Nature of Business: Wastewater treatment plant

Wastewater Treatment Processes:

Municipal Classification Code: B

Major: Yes

INSPECTION INFORMATION

Insp Start Date
08/09/12

Insp End Date
08/09/12

Transmittal Date
8/16/12

Sampling Start Date
N/A

Sampling End Date
N/A

DEQ Inspector(s)
Deborah Quinn

Workgroup
Kalamazoo

Inspection Contact(s)

Name

John McDonnell

Working Title

Acting Superintendent

Phone Number

Inspection Summary/Notes

The industrial user files for Darling International (DI) were reviewed during the recon inspection. DI has submitted a permit application with a request for modification of the permit conditions. The Coldwater Board of Public Utilities (CBPU) had appointed the WWTP superintendent as the IPP coordinator in response to DEQ enforcement. The superintendent retired May 2012, and another IPP coordinator has not yet been named. During the recon, DEQ staff discussed the naming and training of a new IPP coordinator. We also discussed the modifications proposed by DI and the need to reissue the permit soon. It was recommended that the current permit be reissued immediately for a six month duration while the requested modifications be considered. CBPU also still needs to fill the superintendent position and they are still considering an environmental manager to handle some or all of the IPP duties.

AREAS EVALUATED

Comment

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DEQ-WATER RESOURCES DIVISION POST INSPECTION REPORT

LEOAL AUTHORITY Not Evaluated

ENFORCEMENT RESPONSE PLAN Not Evaluated

PROCEDURES Not Evaluated

INTERJURISDICTIONAL AGREEMENTS Not Evaluated

INDUSTRIAL USER PERMITS Marginal

The DI permit expires August 31, 2012 and must be reissued by then or the permit will exceed a 5 year duration. DI submitted an application 85 days before expiration and has made several requests for permit changes, including a special condition that would allow only data collected by DI to be used to measure compliance and a reduction in monitoring frequency to weekly with an additional reduction to monthly monitoring after one year at the discretion of the CA. DEQ staff reminded the acting superintendent that all data collected and analyzed using 40 CFR 136 methods shall be used to determine compliance and that DI's request is contrary to law. The existing permit still lists pH and O&G as composite samples rather than grab samples. Aleris was identified as a potential SIU in a survey submitted with the draft Manual of Procedures in October 2011. CBPU has not yet made a determination if Aleris should be permitted as an SIU.

INDUSTRIAL USER FILES Marginal

The user files for DI were reviewed. Files appeared up-to-date and well organized. The Control Authority had increased their oversight in 2011, conducting more frequent user inspections. Inspection documentation still indicated that there was no potential for slugs and that a slug control plan was not needed at DI. As part of DEQ enforcement, Coldwater was to appoint an IPP coordinator. With the departure of the former WWTP superintendent, there has been no successor to the IPP coordinator position. File documentation indicated that DI had their flow meter calibrated on March 16, 2012, by UIS Programmable Services. The UIS inspector noted that the effluent drain pipe was clogged causing the wastewater to back up and creating artificially high flow readings. He also noted that the flume needed cleaning. Regular cleaning and maintenance of the wastewater collection system and monitoring devices should be part of their O&M procedures.

LOCAL LIMITS Not Evaluated

EVALUATE SIGNIFICANT INDUSTRIAL USER LIST Not Evaluated

VIOLATIONS

Effluent Violations

Viol ID	Detection Date	Mon. Point	Mon. Point Descript.	Parameter	Permit Limit	Sample Result	Limit Type	Status
113617, 113618	02/28/11, 02/28/11	001h, 001h	Final Eff, Final Eff	Fecal Coliform, Fecal Coliform	200 cts/100 ml, 400 cts/100 ml	____ cts/100 ml, cts/100 ml	Max Monthly G, Max 7-Day Geo.	Active/Evaluated, Active/Evaluated

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DEQ-WATER RESOURCES DIVISION POST INSPECTION REPORT

Vtol ID	Detection Date	Mon. Point	Mon. Point Descript.	Parameter	Permit Limit	Sample Result	Limit Type	Status
113063	02/28/11	001A	Final EF	Total Suspended	45 mg/l	75.4285714 mg/l	Maximum 7-Day	Active/Evaluated
113062	02/27/11	001A	Final EF	Total Suspended	45 mg/l	64 mg/l	Maximum 7-Day	Active/Evaluated
113061	02/26/11	001A	Final EF	Total Suspended	45 mg/l	68.2857142 mg/l	Maximum 7-Day	Active/Evaluated
113060	02/25/11	001A	Final EF	Total Suspended	45 mg/l	68.4285714 mg/l	Maximum 7-Day	Active/Evaluated
113059	02/24/11	001A	Final EF	Total Suspended	45 mg/l	68.5714285 mg/l	Maximum 7-Day	Active/Evaluated
113058	02/23/11	001A	Final EF	Total Suspended	45 mg/l	66.2857142 mg/l	Maximum 7-Day	Active/Evaluated
113057	02/22/11	001A	Final EF	Total Suspended	45 mg/l	68.5714285 mg/l	Maximum 7-Day	Active/Evaluated
113056	02/21/11	001A	Final EF	Total Suspended	45 mg/l	104.571428 mg/l	Maximum 7-Day	Active/Evaluated
113055	02/20/11	001A	Final EF	Total Suspended	45 mg/l	107.671428 mg/l	Maximum 7-Day	Active/Evaluated
113054	02/19/11	001A	Final EF	Total Suspended	45 mg/l	100.714285 mg/l	Maximum 7-Day	Active/Evaluated
113053	02/18/11	001A	Final EF	Total Suspended	45 mg/l	102.142057 mg/l	Maximum 7-Day	Active/Evaluated
113052	02/17/11	001A	Final EF	Total Suspended	45 mg/l	106.285714 mg/l	Maximum 7-Day	Active/Evaluated
113061	02/16/11	001A	Final EF	Total Suspended	45 mg/l	115.142057 mg/l	Maximum 7-Day	Active/Evaluated
113050	02/15/11	001A	Final EF	Total Suspended	45 mg/l	107.428571 mg/l	Maximum 7-Day	Active/Evaluated
113049	02/14/11	001A	Final EF	Total Suspended	45 mg/l	75.7142857 mg/l	Maximum 7-Day	Active/Evaluated
113048	02/13/11	001A	Final EF	Total Suspended	45 mg/l	72.6714285 mg/l	Maximum 7-Day	Active/Evaluated
113047	02/12/11	001A	Final EF	Total Suspended	45 mg/l	73.8571428 mg/l	Maximum 7-Day	Active/Evaluated
113046	02/11/11	001A	Final EF	Total Suspended	45 mg/l	67.8571428 mg/l	Maximum 7-Day	Active/Evaluated
113045	02/10/11	001A	Final EF	Total Suspended	45 mg/l	74.7142857 mg/l	Maximum 7-Day	Active/Evaluated
113044	02/09/11	001A	Final EF	Total Suspended	45 mg/l	63.8571428 mg/l	Maximum 7-Day	Active/Evaluated
113043	02/08/11	001A	Final EF	Total Suspended	45 mg/l	69.5714285 mg/l	Maximum 7-Day	Active/Evaluated
113042	02/07/11	001A	Final EF	Total Suspended	45 mg/l	68.8571428 mg/l	Maximum 7-Day	Active/Evaluated
106147	11/20/10	001A	Final EF	Carbonaceous Bl	10 mg/l	13 mg/l	Maximum Daily	Active/Evaluated
106767	09/31/10	001A	Final EF	Ammonia Nitroge	50 lbs/day	137.857142 lbs/	Maximum 7-Day	Active/Evaluated
105092	08/31/10	001A	Final EF	Total Phosphoru	0.33 mg/l	0.66 mg/l	Maximum Month	Active/Evaluated
105094	08/31/10	001A	Final EF	Total Suspended	530 lbs/day	753 lbs/day	Maximum Month	Active/Evaluated
105006	08/31/10	001A	Final EF	Total Suspended	20 mg/l	35 mg/l	Maximum Month	Active/Evaluated
106766	08/30/10	001A	Final EF	Ammonia Nitroge	50 lbs/day	166.285714 lbs/	Maximum 7-Day	Active/Evaluated
106765	08/29/10	001A	Final EF	Ammonia Nitroge	50 lbs/day	170.571428 lbs/	Maximum 7-Day	Active/Evaluated
106312	08/28/10	001A	Final EF	Ammonia Nitroge	2.0 mg/l	3.800 mg/l	Maximum Daily	Active/Evaluated
106764	08/28/10	001A	Final EF	Ammonia Nitroge	50 lbs/day	172.857142 lbs/	Maximum 7-Day	Active/Evaluated
106311	08/27/10	001A	Final EF	Ammonia Nitroge	2.0 mg/l	16.000 mg/l	Maximum Daily	Active/Evaluated
106763	08/27/10	001A	Final EF	Ammonia Nitroge	50 lbs/day	206.857142 lbs/	Maximum 7-Day	Active/Evaluated
106310	08/26/10	001A	Final EF	Ammonia Nitroge	2.0 mg/l	13.000 mg/l	Maximum Daily	Active/Evaluated
106762	08/26/10	001A	Final EF	Ammonia Nitroge	50 lbs/day	233.142857 lbs/	Maximum 7-Day	Active/Evaluated
106309	08/26/10	001A	Final EF	Ammonia Nitroge	2.0 mg/l	17.000 mg/l	Maximum Daily	Active/Evaluated
106761	08/26/10	001A	Final EF	Ammonia Nitroge	50 lbs/day	235 lbs/day	Maximum 7-Day	Active/Evaluated
106308	08/24/10	001A	Final EF	Ammonia Nitroge	2.0 mg/l	11.000 mg/l	Maximum Daily	Active/Evaluated
106760	08/24/10	001A	Final EF	Ammonia Nitroge	50 lbs/day	223 lbs/day	Maximum 7-Day	Active/Evaluated
106307	08/23/10	001A	Final EF	Ammonia Nitroge	2.0 mg/l	2.200 mg/l	Maximum Daily	Active/Evaluated
106359	08/23/10	001A	Final EF	Ammonia Nitroge	50 lbs/day	286 lbs/day	Maximum 7-Day	Active/Evaluated
106758	08/22/10	001A	Final EF	Ammonia Nitroge	50 lbs/day	260.714285 lbs/	Maximum 7-Day	Active/Evaluated
106306	08/21/10	001A	Final EF	Ammonia Nitroge	2.0 mg/l	17.000 mg/l	Maximum Daily	Active/Evaluated
106757	08/21/10	001A	Final EF	Ammonia Nitroge	50 lbs/day	261.857142 lbs/	Maximum 7-Day	Active/Evaluated
106305	08/20/10	001A	Final EF	Ammonia Nitroge	2.0 mg/l	25.000 mg/l	Maximum Daily	Active/Evaluated
106756	08/20/10	001A	Final EF	Ammonia Nitroge	50 lbs/day	313.420571 lbs/	Maximum 7-Day	Active/Evaluated
106304	08/19/10	001A	Final EF	Ammonia Nitroge	2.0 mg/l	13.000 mg/l	Maximum Daily	Active/Evaluated
106755	08/19/10	001A	Final EF	Ammonia Nitroge	50 lbs/day	324.142857 lbs/	Maximum 7-Day	Active/Evaluated
106286	08/19/10	001A	Final EF	Carbonaceous Bl	10 mg/l	14 mg/l	Maximum Daily	Active/Evaluated
106742	08/19/10	001A	Final EF	Carbonaceous Bl	270 lbs/day	335.428571 lbs/	Maximum 7-Day	Active/Evaluated
106716	08/19/10	001A	Final EF	Total Suspended	30 mg/l	45.8571428 mg/l	Maximum 7-Day	Active/Evaluated
106729	08/19/10	001A	Final EF	Total Suspended	800 lbs/day	992.571428 lbs/	Maximum 7-Day	Active/Evaluated
106303	08/18/10	001A	Final EF	Ammonia Nitroge	2.0 mg/l	11.000 mg/l	Maximum Daily	Active/Evaluated
106754	08/18/10	001A	Final EF	Ammonia Nitroge	50 lbs/day	327 lbs/day	Maximum 7-Day	Active/Evaluated
106285	08/18/10	001A	Final EF	Carbonaceous Bl	10 mg/l	20 mg/l	Maximum Daily	Active/Evaluated
106741	08/18/10	001A	Final EF	Carbonaceous Bl	270 lbs/day	338.714285 lbs/	Maximum 7-Day	Active/Evaluated
106735	08/18/10	001A	Final EF	Total Suspended	30 mg/l	46.4285714 mg/l	Maximum 7-Day	Active/Evaluated
106728	08/18/10	001A	Final EF	Total Suspended	800 lbs/day	1017.42857 lbs/	Maximum 7-Day	Active/Evaluated
106302	08/17/10	001A	Final EF	Ammonia Nitroge	2.0 mg/l	21.000 mg/l	Maximum Daily	Active/Evaluated
106753	08/17/10	001A	Final EF	Ammonia Nitroge	50 lbs/day	347.857142 lbs/	Maximum 7-Day	Active/Evaluated
106284	08/17/10	001A	Final EF	Carbonaceous Bl	10 mg/l	11 mg/l	Maximum Daily	Active/Evaluated
106740	08/17/10	001A	Final EF	Carbonaceous Bl	270 lbs/day	315.714285 lbs/	Maximum 7-Day	Active/Evaluated
106714	08/17/10	001A	Final EF	Total Suspended	30 mg/l	45.8571428 mg/l	Maximum 7-Day	Active/Evaluated
106727	08/17/10	001A	Final EF	Total Suspended	800 lbs/day	1017.20571 lbs/	Maximum 7-Day	Active/Evaluated
106301	08/16/10	001A	Final EF	Ammonia Nitroge	2.0 mg/l	3.700 mg/l	Maximum Daily	Active/Evaluated
106752	08/16/10	001A	Final EF	Ammonia Nitroge	60 lbs/day	370.428571 lbs/	Maximum 7-Day	Active/Evaluated
106739	08/16/10	001A	Final EF	Carbonaceous Bl	270 lbs/day	326.571428 lbs/	Maximum 7-Day	Active/Evaluated
106713	08/16/10	001A	Final EF	Total Suspended	30 mg/l	44.8571428 mg/l	Maximum 7-Day	Active/Evaluated
106726	08/16/10	001A	Final EF	Total Suspended	800 lbs/day	1000.57142 lbs/	Maximum 7-Day	Active/Evaluated
106751	08/16/10	001A	Final EF	Ammonia Nitroge	50 lbs/day	405.571428 lbs/	Maximum 7-Day	Active/Evaluated
106738	08/15/10	001A	Final EF	Carbonaceous Bl	270 lbs/day	350.857142 lbs/	Maximum 7-Day	Active/Evaluated
106712	08/16/10	001A	Final EF	Total Suspended	30 mg/l	62 mg/l	Maximum 7-Day	Active/Evaluated
106725	08/16/10	001A	Final EF	Total Suspended	800 lbs/day	1153.85714 lbs/	Maximum 7-Day	Active/Evaluated
106300	08/14/10	001A	Final EF	Ammonia Nitroge	2.0 mg/l	32.000 mg/l	Maximum Daily	Active/Evaluated
106750	08/14/10	001A	Final EF	Ammonia Nitroge	50 lbs/day	414 lbs/day	Maximum 7-Day	Active/Evaluated
106283	08/14/10	001A	Final EF	Carbonaceous Bl	10 mg/l	18 mg/l	Maximum Daily	Active/Evaluated
106737	08/14/10	001A	Final EF	Carbonaceous Bl	270 lbs/day	381.8571428 lbs/	Maximum 7-Day	Active/Evaluated

DEQ-WATER RESOURCES DIVISION
POST INSPECTION REPORT

Viol ID	Detection Date	Mon. Point	Mon. Point Descrip.	Parameter	Permit Limit	Sample Result	Limit Type	Status
106711	08/14/10	001A	Final Ef.	Total Suspended,	30 mg/l,	51.4285714 mg/l,	Maximum 7-Day,	Active/Evaluated,
106724	08/14/10	001A	Final Ef.	Total Suspended,	800 lbs/day,	1202.42857 lbs/,	Maximum 7-Day,	Active/Evaluated,
106299	08/13/10	001A	Final Ef.	Ammonia Nitroge,	2.0 mg/l,	25.000 mg/l,	Maximum Daily,	Active/Evaluated,
106749	08/13/10	001A	Final Ef.	Ammonia Nitroge,	50 lbs/day,	369.857142 lbs/,	Maximum 7-Day,	Active/Evaluated,
106282	08/13/10	001A	Final Ef.	Carbonaceous Bl,	10 mg/l,	37 mg/l,	Maximum Daily,	Active/Evaluated,
106736	08/13/10	001A	Final Ef.	Carbonaceous Bl,	270 lbs/day,	367.857142 lbs/,	Maximum 7-Day,	Active/Evaluated,
106710	08/13/10	001A	Final Ef.	Total Suspended,	30 mg/l,	64.2857142 mg/l,	Maximum 7-Day,	Active/Evaluated,
106723	08/13/10	001A	Final Ef.	Total Suspended,	800 lbs/day,	1396.57142 lbs/,	Maximum 7-Day,	Active/Evaluated,
106290	08/12/10	001A	Final Ef.	Ammonia Nitroge,	2.0 mg/l,	12.000 mg/l,	Maximum Daily,	Active/Evaluated,
106748	08/12/10	001A	Final Ef.	Ammonia Nitroge,	50 lbs/day,	337.714205 lbs/,	Maximum 7-Day,	Active/Evaluated,
106291	08/12/10	001A	Final Ef.	Carbonaceous Bl,	10 mg/l,	13 mg/l,	Maximum Daily,	Active/Evaluated,
106735	08/12/10	001A	Final Ef.	Carbonaceous Bl,	270 lbs/day,	276 lbs/day,	Maximum 7-Day,	Active/Evaluated,
106709	08/12/10	001A	Final Ef.	Total Suspended,	30 mg/l,	39.5714205 mg/l,	Maximum 7-Day,	Active/Evaluated,
106722	08/12/10	001A	Final Ef.	Total Suspended,	000 lbs/day,	836.285714 lbs/,	Maximum 7-Day,	Active/Evaluated,
106297	08/11/10	001A	Final Ef.	Ammonia Nitroge,	2.0 mg/l,	16.000 mg/l,	Maximum Daily,	Active/Evaluated,
106747	08/11/10	001A	Final Ef.	Ammonia Nitroge,	50 lbs/day,	376.714285 lbs/,	Maximum 7-Day,	Active/Evaluated,
106280	08/11/10	001A	Final Ef.	Carbonaceous Bl,	10 mg/l,	11 mg/l,	Maximum Daily,	Active/Evaluated,
106734	08/11/10	001A	Final Ef.	Carbonaceous Bl,	270 lbs/day,	271.371428 lbs/,	Maximum 7-Day,	Active/Evaluated,
106708	08/11/10	001A	Final Ef.	Total Suspended,	30 mg/l,	42.4285714 mg/l,	Maximum 7-Day,	Active/Evaluated,
106721	08/11/10	001A	Final Ef.	Total Suspended,	000 lbs/day,	899.142857 lbs/,	Maximum 7-Day,	Active/Evaluated,
106296	08/10/10	001A	Final Ef.	Ammonia Nitroge,	2.0 mg/l,	26.000 mg/l,	Maximum Daily,	Active/Evaluated,
106746	08/10/10	001A	Final Ef.	Ammonia Nitroge,	50 lbs/day,	407.142857 lbs/,	Maximum 7-Day,	Active/Evaluated,
106279	08/10/10	001A	Final Ef.	Carbonaceous Bl,	10 mg/l,	13 mg/l,	Maximum Daily,	Active/Evaluated,
106733	08/10/10	001A	Final Ef.	Carbonaceous Bl,	270 lbs/day,	346 lbs/day,	Maximum 7-Day,	Active/Evaluated,
106707	08/10/10	001A	Final Ef.	Total Suspended,	30 mg/l,	55.7142857 mg/l,	Maximum 7-Day,	Active/Evaluated,
106720	08/10/10	001A	Final Ef.	Total Suspended,	800 lbs/day,	1201.28571 lbs/,	Maximum 7-Day,	Active/Evaluated,
106295	08/09/10	001A	Final Ef.	Ammonia Nitroge,	50 lbs/day,	15.000 mg/l,	Maximum 7-Day,	Active/Evaluated,
106745	08/09/10	001A	Final Ef.	Ammonia Nitroge,	50 lbs/day,	402.428571 lbs/,	Maximum 7-Day,	Active/Evaluated,
106270	08/09/10	001A	Final Ef.	Carbonaceous Bl,	10 mg/l,	13 mg/l,	Maximum Daily,	Active/Evaluated,
106732	08/09/10	001A	Final Ef.	Carbonaceous Bl,	270 lbs/day,	557.571420 lbs/,	Maximum 7-Day,	Active/Evaluated,
106706	08/09/10	001A	Final Ef.	Total Suspended,	30 mg/l,	75.7142857 mg/l,	Maximum 7-Day,	Active/Evaluated,
106719	08/09/10	001A	Final Ef.	Total Suspended,	800 lbs/day,	1651 lbs/day,	Maximum 7-Day,	Active/Evaluated,
106294	08/08/10	001A	Final Ef.	Ammonia Nitroge,	2.0 mg/l,	4.800 mg/l,	Maximum Daily,	Active/Evaluated,
106744	08/08/10	001A	Final Ef.	Ammonia Nitroge,	50 lbs/day,	423.857142 lbs/,	Maximum 7-Day,	Active/Evaluated,
106277	08/08/10	001A	Final Ef.	Carbonaceous Bl,	10 mg/l,	17 mg/l,	Maximum Daily,	Active/Evaluated,
106731	08/08/10	001A	Final Ef.	Carbonaceous Bl,	270 lbs/day,	554.714285 lbs/,	Maximum 7-Day,	Active/Evaluated,
106705	08/08/10	001A	Final Ef.	Total Suspended,	30 mg/l,	71.8571428 mg/l,	Maximum 7-Day,	Active/Evaluated,
106718	08/08/10	001A	Final Ef.	Total Suspended,	800 lbs/day,	1569.42857 lbs/,	Maximum 7-Day,	Active/Evaluated,
106293	08/07/10	001A	Final Ef.	Ammonia Nitroge,	2.0 mg/l,	10.000 mg/l,	Maximum Daily,	Active/Evaluated,
106743	08/07/10	001A	Final Ef.	Ammonia Nitroge,	50 lbs/day,	450.714285 lbs/,	Maximum 7-Day,	Active/Evaluated,
106276	08/07/10	001A	Final Ef.	Carbonaceous Bl,	10 mg/l,	14 mg/l,	Maximum Daily,	Active/Evaluated,
106730	08/07/10	001A	Final Ef.	Carbonaceous Bl,	270 lbs/day,	527.142857 lbs/,	Maximum 7-Day,	Active/Evaluated,
106704	08/07/10	001A	Final Ef.	Total Suspended,	30 mg/l,	70.2857142 mg/l,	Maximum 7-Day,	Active/Evaluated,
106717	08/07/10	001A	Final Ef.	Total Suspended,	000 lbs/day,	1538 lbs/day,	Maximum 7-Day,	Active/Evaluated,
106292	08/06/10	001A	Final Ef.	Ammonia Nitroge,	50 lbs/day,	16.000 mg/l,	Maximum Daily,	Active/Evaluated,
106291	08/06/10	001A	Final Ef.	Ammonia Nitroge,	2.0 mg/l,	24.000 mg/l,	Maximum Daily,	Active/Evaluated,
106275	08/05/10	001A	Final Ef.	Carbonaceous Bl,	10 mg/l,	12 mg/l,	Maximum Daily,	Active/Evaluated,
106290	08/04/10	001A	Final Ef.	Ammonia Nitroge,	2.0 mg/l,	26.000 mg/l,	Maximum Daily,	Active/Evaluated,
106274	08/04/10	001A	Final Ef.	Carbonaceous Bl,	10 mg/l,	34 mg/l,	Maximum Daily,	Active/Evaluated,
106289	08/03/10	001A	Final Ef.	Ammonia Nitroge,	2.0 mg/l,	25.000 mg/l,	Maximum Daily,	Active/Evaluated,
106273	08/03/10	001A	Final Ef.	Carbonaceous Bl,	10 mg/l,	79 mg/l,	Maximum Daily,	Active/Evaluated,
106280	08/02/10	001A	Final Ef.	Ammonia Nitroge,	2.0 mg/l,	22.000 mg/l,	Maximum Daily,	Active/Evaluated,
106272	08/02/10	001A	Final Ef.	Carbonaceous Bl,	10 mg/l,	12 mg/l,	Maximum Daily,	Active/Evaluated,
106287	08/01/10	001A	Final Ef.	Ammonia Nitroge,	2.0 mg/l,	15.000 mg/l,	Maximum Daily,	Active/Evaluated,
104661	07/31/10	001A	Final Ef.	Ammonia Nitroge,	2.0 mg/l,	65.000 mg/l,	Maximum Daily,	Active/Evaluated,
105002	07/31/10	001A	Final Ef.	Ammonia Nitroge,	50 lbs/day,	468.428571 lbs/,	Maximum 7-Day,	Active/Evaluated,
104650	07/30/10	001A	Final Ef.	Ammonia Nitroge,	2.0 mg/l,	30.000 mg/l,	Maximum Daily,	Active/Evaluated,
105001	07/30/10	001A	Final Ef.	Ammonia Nitroge,	50 lbs/day,	317.714285 lbs/,	Maximum 7-Day,	Active/Evaluated,
104649	07/29/10	001A	Final Ef.	Ammonia Nitroge,	2.0 mg/l,	23.000 mg/l,	Maximum Daily,	Active/Evaluated,
105000	07/29/10	001A	Final Ef.	Ammonia Nitroge,	50 lbs/day,	241.285714 lbs/,	Maximum 7-Day,	Active/Evaluated,
104640	07/28/10	001A	Final Ef.	Ammonia Nitroge,	2.0 mg/l,	8.200 mg/l,	Maximum Daily,	Active/Evaluated,
104999	07/28/10	001A	Final Ef.	Ammonia Nitroge,	50 lbs/day,	246.142857 lbs/,	Maximum 7-Day,	Active/Evaluated,
104647	07/27/10	001A	Final Ef.	Ammonia Nitroge,	2.0 mg/l,	10.000 mg/l,	Maximum Daily,	Active/Evaluated,
104990	07/27/10	001A	Final Ef.	Ammonia Nitroge,	50 lbs/day,	306.428571 lbs/,	Maximum 7-Day,	Active/Evaluated,
104646	07/26/10	001A	Final Ef.	Ammonia Nitroge,	2.0 mg/l,	4.100 mg/l,	Maximum Daily,	Active/Evaluated,
104997	07/26/10	001A	Final Ef.	Ammonia Nitroge,	50 lbs/day,	321 lbs/day,	Maximum 7-Day,	Active/Evaluated,
104996	07/25/10	001A	Final Ef.	Ammonia Nitroge,	50 lbs/day,	321.857142 lbs/,	Maximum 7-Day,	Active/Evaluated,
104645	07/24/10	001A	Final Ef.	Ammonia Nitroge,	2.0 mg/l,	15.000 mg/l,	Maximum Daily,	Active/Evaluated,
104995	07/24/10	001A	Final Ef.	Ammonia Nitroge,	50 lbs/day,	323.142857 lbs/,	Maximum 7-Day,	Active/Evaluated,
104644	07/23/10	001A	Final Ef.	Ammonia Nitroge,	2.0 mg/l,	6.900 mg/l,	Maximum Daily,	Active/Evaluated,
104994	07/23/10	001A	Final Ef.	Ammonia Nitroge,	50 lbs/day,	295.142857 lbs/,	Maximum 7-Day,	Active/Evaluated,
104643	07/22/10	001A	Final Ef.	Ammonia Nitroge,	2.0 mg/l,	25.000 mg/l,	Maximum Daily,	Active/Evaluated,
104993	07/22/10	001A	Final Ef.	Ammonia Nitroge,	50 lbs/day,	331.571428 lbs/,	Maximum 7-Day,	Active/Evaluated,
104642	07/21/10	001A	Final Ef.	Ammonia Nitroge,	2.0 mg/l,	28.000 mg/l,	Maximum Daily,	Active/Evaluated,
104992	07/21/10	001A	Final Ef.	Ammonia Nitroge,	50 lbs/day,	322.285714 lbs/,	Maximum 7-Day,	Active/Evaluated,
104641	07/20/10	001A	Final Ef.	Ammonia Nitroge,	2.0 mg/l,	16.000 mg/l,	Maximum Daily,	Active/Evaluated,
104991	07/20/10	001A	Final Ef.	Ammonia Nitroge,	50 lbs/day,	240.285714 lbs/,	Maximum 7-Day,	Active/Evaluated,

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Viol ID	Detection Date	Mon. Point	Mon. Point Descrip.	Parameter	Permit Limit	Sample Result	Limit Type	Status
104640	07/19/10	001A	Final EF	Ammonia Nitroge	2.0 mg/l	4,700 mg/l	Maximum Daily	Active/Evaluated
104990	07/19/10	001A	Final EF	Ammonia Nitroge	50 lbs/day	195,142057 lbs/	Maximum 7-Day	Active/Evaluated
104989	07/18/10	001A	Final EF	Ammonia Nitroge	50 lbs/day	186,428571 lbs/	Maximum 7-Day	Active/Evaluated
104639	07/17/10	001A	Final EF	Ammonia Nitroge	2.0 mg/l	11,000 mg/l	Maximum Daily	Active/Evaluated
104988	07/17/10	001A	Final EF	Ammonia Nitroge	50 lbs/day	184,285714 lbs/	Maximum 7-Day	Active/Evaluated
104638	07/16/10	001A	Final EF	Ammonia Nitroge	2.0 mg/l	19,000 mg/l	Maximum Daily	Active/Evaluated
104987	07/16/10	001A	Final EF	Ammonia Nitroge	50 lbs/day	166,671428 lbs/	Maximum 7-Day	Active/Evaluated
104637	07/15/10	001A	Final EF	Ammonia Nitroge	2.0 mg/l	23,000 mg/l	Maximum Daily	Active/Evaluated
104986	07/15/10	001A	Final EF	Ammonia Nitroge	50 lbs/day	100 lbs/day	Maximum 7-Day	Active/Evaluated
110465	06/10/10	001A	Final EF	Ammonia Nitroge	50 lbs/day	59 lbs/day	Maximum 7-Day	Active/Evaluated
110464	06/09/10	001A	Final EF	Ammonia Nitroge	50 lbs/day	55 lbs/day	Maximum 7-Day	Active/Evaluated
110463	06/07/10	001A	Final EF	Ammonia Nitroge	50 lbs/day	50,4205714 lbs/	Maximum 7-Day	Active/Evaluated
100188	05/31/10	001A	Final EF	Ammonia Nitroge	2.0 mg/l	2,200 mg/l	Maximum Daily	Resolved by Dist.
110360	05/31/10	001A	Final EF	Ammonia Nitroge	50 lbs/day	86,5714285 lbs/	Maximum 7-Day	Resolved by Dist.
110359	05/30/10	001A	Final EF	Ammonia Nitroge	50 lbs/day	81,5714205 lbs/	Maximum 7-Day	Resolved by Dist.
100107	05/29/10	001A	Final EF	Ammonia Nitroge	2.0 mg/l	3,100 mg/l	Maximum Daily	Resolved by Dist.
110358	05/29/10	001A	Final EF	Ammonia Nitroge	50 lbs/day	98,7142867 lbs/	Maximum 7-Day	Resolved by Dist.
100186	05/28/10	001A	Final EF	Ammonia Nitroge	2.0 mg/l	3,200 mg/l	Maximum Daily	Resolved by Dist.
110357	05/28/10	001A	Final EF	Ammonia Nitroge	50 lbs/day	109,142057 lbs/	Maximum 7-Day	Resolved by Dist.
100185	05/27/10	001A	Final EF	Ammonia Nitroge	2.0 mg/l	2,900 mg/l	Maximum Daily	Resolved by Dist.
110356	05/27/10	001A	Final EF	Ammonia Nitroge	50 lbs/day	110,420571 lbs/	Maximum 7-Day	Resolved by Dist.
100184	05/26/10	001A	Final EF	Ammonia Nitroge	2.0 mg/l	3,700 mg/l	Maximum Daily	Resolved by Dist.
110355	05/26/10	001A	Final EF	Ammonia Nitroge	50 lbs/day	110,428571 lbs/	Maximum 7-Day	Resolved by Dist.
100183	05/25/10	001A	Final EF	Ammonia Nitroge	2.0 mg/l	2,500 mg/l	Maximum Daily	Resolved by Dist.
110354	05/25/10	001A	Final EF	Ammonia Nitroge	50 lbs/day	102,142057 lbs/	Maximum 7-Day	Resolved by Dist.
110353	05/24/10	001A	Final EF	Ammonia Nitroge	50 lbs/day	101 lbs/day	Maximum 7-Day	Resolved by Dist.
100182	05/23/10	001A	Final EF	Ammonia Nitroge	2.0 mg/l	5,100 mg/l	Maximum Daily	Resolved by Dist.
110352	05/23/10	001A	Final EF	Ammonia Nitroge	50 lbs/day	106,285714 lbs/	Maximum 7-Day	Resolved by Dist.
100181	05/22/10	001A	Final EF	Ammonia Nitroge	2.0 mg/l	4,800 mg/l	Maximum Daily	Resolved by Dist.
110351	05/22/10	001A	Final EF	Ammonia Nitroge	50 lbs/day	90,5714286 lbs/	Maximum 7-Day	Resolved by Dist.
100180	05/21/10	001A	Final EF	Ammonia Nitroge	2.0 mg/l	4,600 mg/l	Maximum Daily	Resolved by Dist.
110350	05/21/10	001A	Final EF	Ammonia Nitroge	50 lbs/day	69,4285714 lbs/	Maximum 7-Day	Resolved by Dist.
100179	05/20/10	001A	Final EF	Ammonia Nitroge	2.0 mg/l	3,900 mg/l	Maximum Daily	Resolved by Dist.
110349	05/20/10	001A	Final EF	Ammonia Nitroge	50 lbs/day	66,2857142 lbs/	Maximum 7-Day	Resolved by Dist.
100178	05/19/10	001A	Final EF	Ammonia Nitroge	2.0 mg/l	2,900 mg/l	Maximum Daily	Resolved by Dist.
110348	05/19/10	001A	Final EF	Ammonia Nitroge	50 lbs/day	69,7142857 lbs/	Maximum 7-Day	Resolved by Dist.
100177	05/18/10	001A	Final EF	Ammonia Nitroge	2.0 mg/l	3,200 mg/l	Maximum Daily	Resolved by Dist.
110347	05/18/10	001A	Final EF	Ammonia Nitroge	50 lbs/day	75,5714285 lbs/	Maximum 7-Day	Resolved by Dist.
100176	05/17/10	001A	Final EF	Ammonia Nitroge	2.0 mg/l	3,100 mg/l	Maximum Daily	Resolved by Dist.
110346	05/17/10	001A	Final EF	Ammonia Nitroge	50 lbs/day	80,7142857 lbs/	Maximum 7-Day	Resolved by Dist.
100175	05/16/10	001A	Final EF	Ammonia Nitroge	2.0 mg/l	2,300 mg/l	Maximum Daily	Resolved by Dist.
110345	05/16/10	001A	Final EF	Ammonia Nitroge	50 lbs/day	75,7142857 lbs/	Maximum 7-Day	Resolved by Dist.
110344	05/15/10	001A	Final EF	Ammonia Nitroge	50 lbs/day	72,5714285 lbs/	Maximum 7-Day	Resolved by Dist.
100174	05/14/10	001A	Final EF	Ammonia Nitroge	2.0 mg/l	4,800 mg/l	Maximum Daily	Resolved by Dist.
110343	05/14/10	001A	Final EF	Ammonia Nitroge	50 lbs/day	75,4285714 lbs/	Maximum 7-Day	Resolved by Dist.
100173	05/13/10	001A	Final EF	Ammonia Nitroge	2.0 mg/l	4,900 mg/l	Maximum Daily	Resolved by Dist.
110342	05/13/10	001A	Final EF	Ammonia Nitroge	50 lbs/day	67,7142857 lbs/	Maximum 7-Day	Resolved by Dist.
100172	05/12/10	001A	Final EF	Ammonia Nitroge	2.0 mg/l	4,900 mg/l	Maximum Daily	Resolved by Dist.
110341	05/12/10	001A	Final EF	Ammonia Nitroge	50 lbs/day	57,2057142 lbs/	Maximum 7-Day	Resolved by Dist.
100171	05/11/10	001A	Final EF	Ammonia Nitroge	2.0 mg/l	4,700 mg/l	Maximum Daily	Resolved by Dist.
110340	05/11/10	001A	Final EF	Ammonia Nitroge	50 lbs/day	65,7142857 lbs/	Maximum 7-Day	Resolved by Dist.
110339	05/08/10	001A	Final EF	Ammonia Nitroge	50 lbs/day	50,1428571 lbs/	Maximum 7-Day	Resolved by Dist.
110338	05/07/10	001A	Final EF	Ammonia Nitroge	50 lbs/day	59,8571428 lbs/	Maximum 7-Day	Resolved by Dist.
100170	05/06/10	001A	Final EF	Ammonia Nitroge	2.0 mg/l	2,300 mg/l	Maximum Daily	Resolved by Dist.
100169	05/05/10	001A	Final EF	Ammonia Nitroge	2.0 mg/l	4,900 mg/l	Maximum Daily	Resolved by Dist.
100168	05/03/10	001A	Final EF	Ammonia Nitroge	2.0 mg/l	3,700 mg/l	Maximum Daily	Resolved by Dist.
100167	05/02/10	001A	Final EF	Ammonia Nitroge	2.0 mg/l	2,400 mg/l	Maximum Daily	Resolved by Dist.
100166	05/01/10	001A	Final EF	Ammonia Nitroge	2.0 mg/l	5,100 mg/l	Maximum Daily	Resolved by Dist.
109516	02/28/10	001A	Final EF	Total Suspended	45 mg/l	75,7142857 mg/l	Maximum 7-Day	Active/Evaluated
109515	02/27/10	001A	Final EF	Total Suspended	45 mg/l	89,2857142 mg/l	Maximum 7-Day	Active/Evaluated
109514	02/26/10	001A	Final EF	Total Suspended	45 mg/l	98,5714285 mg/l	Maximum 7-Day	Active/Evaluated
109513	02/25/10	001A	Final EF	Total Suspended	45 mg/l	107,714205 mg/l	Maximum 7-Day	Active/Evaluated
109512	02/24/10	001A	Final EF	Total Suspended	45 mg/l	111,571428 mg/l	Maximum 7-Day	Active/Evaluated
109511	02/23/10	001A	Final EF	Total Suspended	45 mg/l	112 mg/l	Maximum 7-Day	Active/Evaluated
109510	02/22/10	001A	Final EF	Total Suspended	45 mg/l	93,7142857 mg/l	Maximum 7-Day	Active/Evaluated
109509	02/21/10	001A	Final EF	Total Suspended	45 mg/l	93,5714285 mg/l	Maximum 7-Day	Active/Evaluated
109508	02/20/10	001A	Final EF	Total Suspended	45 mg/l	85,8571428 mg/l	Maximum 7-Day	Active/Evaluated
109507	02/19/10	001A	Final EF	Total Suspended	45 mg/l	77,4205714 mg/l	Maximum 7-Day	Active/Evaluated
109506	02/18/10	001A	Final EF	Total Suspended	45 mg/l	65,5714205 mg/l	Maximum 7-Day	Active/Evaluated
109505	02/17/10	001A	Final EF	Total Suspended	45 mg/l	62,1428571 mg/l	Maximum 7-Day	Active/Evaluated
109504	02/16/10	001A	Final EF	Total Suspended	45 mg/l	55,4205714 mg/l	Maximum 7-Day	Active/Evaluated
109503	02/15/10	001A	Final EF	Total Suspended	45 mg/l	58 mg/l	Maximum 7-Day	Active/Evaluated
109502	02/14/10	001A	Final EF	Total Suspended	45 mg/l	55,8571420 mg/l	Maximum 7-Day	Active/Evaluated
109501	02/13/10	001A	Final EF	Total Suspended	45 mg/l	50,1428571 mg/l	Maximum 7-Day	Active/Evaluated
109500	02/12/10	001A	Final EF	Total Suspended	45 mg/l	57 mg/l	Maximum 7-Day	Active/Evaluated
109499	02/11/10	001A	Final EF	Total Suspended	45 mg/l	59,1428571 mg/l	Maximum 7-Day	Active/Evaluated
109498	02/10/10	001A	Final EF	Total Suspended	45 mg/l	52,7142857 mg/l	Maximum 7-Day	Active/Evaluated

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Viol ID	Detection Date	Mon. Point	Mon. Point Descrip.	Parameter	Permit Limit	Sample Result	Limit Type	Status
109497	02/09/10	001A	Final EF	Total Suspended	45 mg/l	50.7142857 mg/l	Maximum 7-Day	Active/Evaluated
109496	02/08/10	001A	Final EF	Total Suspended	45 mg/l	51 mg/l	Maximum 7-Day	Active/Evaluated
109495	02/07/10	001A	Final EF	Total Suspended	45 mg/l	46.8571428 mg/l	Maximum 7-Day	Active/Evaluated
110847	11/11/09	001A	Final EF	Azonia Nitroge	2.0 mg/L	2.200 mg/l	Maximum Daily	Resolved by Dist.
110846	11/03/09	001A	Final EF	Azonia Nitroge	2.0 mg/L	3.000 mg/l	Maximum Daily	Resolved by Dist.
110845	11/02/09	001A	Final EF	Azonia Nitroge	2.0 mg/L	3.000 mg/l	Maximum Daily	Resolved by Dist.
111092	10/30/09	001A	Final EF	Azonia Nitroge	2.0 mg/L	2.7 mg/l	Maximum Daily	Resolved by Dist.
111091	10/20/09	001A	Final EF	Azonia Nitroge	2.0 mg/L	3.4 mg/l	Maximum Daily	Resolved by Dist.
111090	10/12/09	001A	Final EF	Azonia Nitroge	2.0 mg/L	3.9 mg/l	Maximum Daily	Resolved by Dist.
111089	10/10/09	001A	Final EF	Azonia Nitroge	2.0 mg/L	4.5 mg/l	Maximum Daily	Resolved by Dist.
111088	10/09/09	001A	Final EF	Azonia Nitroge	2.0 mg/L	3.4 mg/l	Maximum Daily	Resolved by Dist.
111087	10/00/09	001A	Final EF	Azonia Nitroge	2.0 mg/L	2.8 mg/l	Maximum Daily	Resolved by Dist.
111086	10/09/09	001A	Final EF	Carbonaceous Ul	10 mg/l	17 mg/l	Maximum Daily	Active/Evaluated
111084	10/07/09	001A	Final EF	Carbonaceous Ul	10 mg/l	16 mg/l	Maximum Daily	Active/Evaluated
111086	10/03/09	001A	Final EF	Azonia Nitroge	2.0 mg/L	2.1 mg/l	Maximum Daily	Resolved by Dist.
111323	09/30/09	001A	Final EF	Azonia Nitroge	2.0 mg/L	2.500 mg/l	Maximum Daily	Resolved by Dist.
112080	07/20/09	001A	Final EF	Azonia Nitroge	50 lbs/day	64.8571428 lbs/	Maximum 7-Day	Resolved by Dist.
111999	07/27/09	001A	Final EF	Azonia Nitroge	50 lbs/day	66.4285714 lbs/	Maximum 7-Day	Resolved by Dist.
111998	07/26/09	001A	Final EF	Azonia Nitroge	50 lbs/day	102.142857 lbs/	Maximum 7-Day	Resolved by Dist.
111997	07/25/09	001A	Final EF	Azonia Nitroge	50 lbs/day	104.857142 lbs/	Maximum 7-Day	Resolved by Dist.
111920	07/24/09	001A	Final EF	Azonia Nitroge	2.0 mg/L	6.200 mg/l	Maximum Daily	Active/Evaluated
111996	07/21/09	001A	Final EF	Azonia Nitroge	50 lbs/day	103.285714 lbs/	Maximum 7-Day	Resolved by Dist.
111995	07/23/09	001A	Final EF	Azonia Nitroge	50 lbs/day	89.8571428 lbs/	Maximum 7-Day	Resolved by Dist.
111919	07/22/09	001A	Final EF	Azonia Nitroge	2.0 mg/L	14.000 mg/l	Maximum Daily	Active/Evaluated
111994	07/22/09	001A	Final EF	Azonia Nitroge	50 lbs/day	91.0571428 lbs/	Maximum 7-Day	Resolved by Dist.
111918	07/21/09	001A	Final EF	Azonia Nitroge	2.0 mg/L	7.600 mg/l	Maximum Daily	Active/Evaluated
111993	07/21/09	001A	Final EF	Azonia Nitroge	50 lbs/day	77.5714285 lbs/	Maximum 7-Day	Resolved by Dist.
111917	07/20/09	001A	Final EF	Azonia Nitroge	2.0 mg/L	5.500 mg/l	Maximum Daily	Active/Evaluated
111992	07/20/09	001A	Final EF	Azonia Nitroge	50 lbs/day	74 lbs/day	Maximum 7-Day	Resolved by Dist.
111991	07/19/09	001A	Final EF	Azonia Nitroge	50 lbs/day	69.4285714 lbs/	Maximum 7-Day	Resolved by Dist.
111990	07/18/09	001A	Final EF	Azonia Nitroge	50 lbs/day	67.7142857 lbs/	Maximum 7-Day	Resolved by Dist.
111989	07/17/09	001A	Final EF	Azonia Nitroge	50 lbs/day	59.2857142 lbs/	Maximum 7-Day	Resolved by Dist.
111988	07/16/09	001A	Final EF	Azonia Nitroge	50 lbs/day	59.5714285 lbs/	Maximum 7-Day	Resolved by Dist.
111916	07/15/09	001A	Final EF	Azonia Nitroge	2.0 mg/L	7.800 mg/l	Maximum Daily	Active/Evaluated
111987	07/15/09	001A	Final EF	Azonia Nitroge	50 lbs/day	55.4285714 lbs/	Maximum 7-Day	Resolved by Dist.
111915	07/14/09	001A	Final EF	Azonia Nitroge	2.0 mg/L	5.200 mg/l	Maximum Daily	Active/Evaluated
111914	07/06/09	001A	Final EF	Azonia Nitroge	2.0 mg/L	2.200 mg/l	Maximum Daily	Active/Evaluated
112318	06/30/09	001A	Final EF	Azonia Nitroge	2.0 mg/L	2.60 mg/l	Maximum Daily	Resolved by Dist.
112353	06/30/09	001A	Final EF	Azonia Nitroge	50 lbs/day	110.428571 lbs/	Maximum 7-Day	Resolved by Dist.
112317	06/29/09	001A	Final EF	Azonia Nitroge	2.0 mg/L	11.00 mg/l	Maximum Daily	Resolved by Dist.
112352	06/29/09	001A	Final EF	Azonia Nitroge	50 lbs/day	101.285714 lbs/	Maximum 7-Day	Resolved by Dist.
112316	06/20/09	001A	Final EF	Azonia Nitroge	2.0 mg/L	6.90 mg/l	Maximum Daily	Resolved by Dist.
112351	06/20/09	001A	Final EF	Azonia Nitroge	50 lbs/day	68.2857142 lbs/	Maximum 7-Day	Resolved by Dist.
112315	06/21/09	001A	Final EF	Azonia Nitroge	2.0 mg/L	2.70 mg/l	Maximum Daily	Resolved by Dist.
112350	06/24/09	001A	Final EF	Azonia Nitroge	50 lbs/day	62.5714285 lbs/	Maximum 7-Day	Resolved by Dist.
112349	06/23/09	001A	Final EF	Azonia Nitroge	50 lbs/day	70 lbs/day	Maximum 7-Day	Resolved by Dist.
112348	06/22/09	001A	Final EF	Azonia Nitroge	50 lbs/day	76.8571428 lbs/	Maximum 7-Day	Resolved by Dist.
112347	06/21/09	001A	Final EF	Azonia Nitroge	50 lbs/day	60.2857142 lbs/	Maximum 7-Day	Resolved by Dist.
112346	06/20/09	001A	Final EF	Azonia Nitroge	50 lbs/day	60.4205714 lbs/	Maximum 7-Day	Resolved by Dist.
112345	06/19/09	001A	Final EF	Azonia Nitroge	50 lbs/day	67.1420571 lbs/	Maximum 7-Day	Resolved by Dist.
112314	06/19/09	001A	Final EF	Azonia Nitroge	2.0 mg/L	10.90 mg/l	Maximum Daily	Resolved by Dist.
112344	06/18/09	001A	Final EF	Azonia Nitroge	50 lbs/day	88.4285714 lbs/	Maximum 7-Day	Resolved by Dist.
112313	06/17/09	001A	Final EF	Azonia Nitroge	2.0 mg/L	3.40 mg/l	Maximum Daily	Resolved by Dist.
112343	06/17/09	001A	Final EF	Azonia Nitroge	50 lbs/day	61 lbs/day	Maximum 7-Day	Resolved by Dist.
112342	06/16/09	001A	Final EF	Azonia Nitroge	50 lbs/day	62.8571420 lbs/	Maximum 7-Day	Resolved by Dist.
112341	06/15/09	001A	Final EF	Azonia Nitroge	50 lbs/day	60.8571420 lbs/	Maximum 7-Day	Resolved by Dist.
112340	06/14/09	001A	Final EF	Azonia Nitroge	50 lbs/day	64.5714205 lbs/	Maximum 7-Day	Resolved by Dist.
112312	06/13/09	001A	Final EF	Azonia Nitroge	2.0 mg/L	2.10 mg/l	Maximum Daily	Resolved by Dist.
112339	06/13/09	001A	Final EF	Azonia Nitroge	50 lbs/day	65.4285714 lbs/	Maximum 7-Day	Resolved by Dist.
112338	06/12/09	001A	Final EF	Azonia Nitroge	50 lbs/day	69.7142857 lbs/	Maximum 7-Day	Resolved by Dist.
112311	06/11/09	001A	Final EF	Azonia Nitroge	2.0 mg/L	3.00 mg/l	Maximum Daily	Resolved by Dist.
112337	06/11/09	001A	Final EF	Azonia Nitroge	50 lbs/day	60.1420571 lbs/	Maximum 7-Day	Resolved by Dist.
112336	06/10/09	001A	Final EF	Azonia Nitroge	50 lbs/day	57.8571420 lbs/	Maximum 7-Day	Resolved by Dist.
112335	06/09/09	001A	Final EF	Azonia Nitroge	50 lbs/day	61 lbs/day	Maximum 7-Day	Resolved by Dist.
112310	06/08/09	001A	Final EF	Azonia Nitroge	2.0 mg/L	4.20 mg/l	Maximum Daily	Resolved by Dist.
112334	06/08/09	001A	Final EF	Azonia Nitroge	50 lbs/day	80.4285714 lbs/	Maximum 7-Day	Resolved by Dist.
112333	06/07/09	001A	Final EF	Azonia Nitroge	50 lbs/day	97.1428571 lbs/	Maximum 7-Day	Resolved by Dist.
112309	06/04/09	001A	Final EF	Azonia Nitroge	2.0 mg/L	2.50 mg/l	Maximum Daily	Resolved by Dist.
112308	06/02/09	001A	Final EF	Azonia Nitroge	2.0 mg/L	5.20 mg/l	Maximum Daily	Resolved by Dist.
112307	06/01/09	001A	Final EF	Azonia Nitroge	2.0 mg/L	7.10 mg/l	Maximum Daily	Resolved by Dist.
112667	05/31/09	001A	Final EF	Azonia Nitroge	2.0 mg/L	6.100 mg/l	Maximum Daily	Resolved by Dist.
112820	05/31/09	001A	Final EF	Azonia Nitroge	50 lbs/day	186.714285 lbs/	Maximum 7-Day	Resolved by Dist.
112666	05/30/09	001A	Final EF	Azonia Nitroge	2.0 mg/L	4.800 mg/l	Maximum Daily	Resolved by Dist.
112819	05/30/09	001A	Final EF	Azonia Nitroge	50 lbs/day	215.857142 lbs/	Maximum 7-Day	Resolved by Dist.
112665	05/29/09	001A	Final EF	Azonia Nitroge	2.0 mg/L	5.800 mg/l	Maximum Daily	Resolved by Dist.
112818	05/29/09	001A	Final EF	Azonia Nitroge	50 lbs/day	223.142857 lbs/	Maximum 7-Day	Resolved by Dist.
112664	05/28/09	001A	Final EF	Azonia Nitroge	2.0 mg/L	5.100 mg/l	Maximum Daily	Resolved by Dist.

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Viol ID	Detection Date	Mon. Point	Mon. Point Descrip.	Parameter	Permit Limit	Sample Result	Limit Type	Status
112817	05/28/09	001A	Final EF	Ammonia Nitroge	50 lbs/day	230.571428 lbs/	Maximum 7-Day	Resolved by Dist.
112663	05/27/09	001A	Final EF	Ammonia Nitroge	2.0 mg/l	4.000 mg/l	Maximum Daily	Resolved by Dist.
112816	05/27/09	001A	Final EF	Ammonia Nitroge	50 lbs/day	308.428571 lbs/	Maximum 7-Day	Resolved by Dist.
112662	05/26/09	001A	Final EF	Ammonia Nitroge	2.0 mg/l	4.400 mg/l	Maximum Daily	Resolved by Dist.
112815	05/26/09	001A	Final EF	Ammonia Nitroge	50 lbs/day	356.714285 lbs/	Maximum 7-Day	Resolved by Dist.
112661	05/25/09	001A	Final EF	Ammonia Nitroge	2.0 mg/l	5.200 mg/l	Maximum Daily	Resolved by Dist.
112814	05/25/09	001A	Final EF	Ammonia Nitroge	50 lbs/day	391.857142 lbs/	Maximum 7-Day	Resolved by Dist.
112660	05/24/09	001A	Final EF	Ammonia Nitroge	2.0 mg/l	11.000 mg/l	Maximum Daily	Resolved by Dist.
112813	05/24/09	001A	Final EF	Ammonia Nitroge	50 lbs/day	391.285714 lbs/	Maximum 7-Day	Resolved by Dist.
112659	05/23/09	001A	Final EF	Ammonia Nitroge	2.0 mg/l	5.800 mg/l	Maximum Daily	Resolved by Dist.
112812	05/23/09	001A	Final EF	Ammonia Nitroge	50 lbs/day	304.714285 lbs/	Maximum 7-Day	Resolved by Dist.
112658	05/22/09	001A	Final EF	Ammonia Nitroge	2.0 mg/l	6.600 mg/l	Maximum Daily	Resolved by Dist.
112811	05/22/09	001A	Final EF	Ammonia Nitroge	50 lbs/day	376.571428 lbs/	Maximum 7-Day	Resolved by Dist.
112657	05/21/09	001A	Final EF	Ammonia Nitroge	2.0 mg/l	18.000 mg/l	Maximum Daily	Resolved by Dist.
112810	05/21/09	001A	Final EF	Ammonia Nitroge	50 lbs/day	374.428571 lbs/	Maximum 7-Day	Resolved by Dist.
112656	05/20/09	001A	Final EF	Ammonia Nitroge	2.0 mg/l	12.000 mg/l	Maximum Daily	Resolved by Dist.
112809	05/20/09	001A	Final EF	Ammonia Nitroge	50 lbs/day	296.714285 lbs/	Maximum 7-Day	Resolved by Dist.
112655	05/19/09	001A	Final EF	Ammonia Nitroge	2.0 mg/l	9.700 mg/l	Maximum Daily	Resolved by Dist.
112808	05/19/09	001A	Final EF	Ammonia Nitroge	50 lbs/day	267.714285 lbs/	Maximum 7-Day	Resolved by Dist.
112654	05/18/09	001A	Final EF	Ammonia Nitroge	2.0 mg/l	4.400 mg/l	Maximum Daily	Resolved by Dist.
112807	05/18/09	001A	Final EF	Ammonia Nitroge	50 lbs/day	219.857142 lbs/	Maximum 7-Day	Resolved by Dist.
112653	05/17/09	001A	Final EF	Ammonia Nitroge	2.0 mg/l	8.900 mg/l	Maximum Daily	Resolved by Dist.
112806	05/17/09	001A	Final EF	Ammonia Nitroge	50 lbs/day	217.142857 lbs/	Maximum 7-Day	Resolved by Dist.
112652	05/16/09	001A	Final EF	Ammonia Nitroge	2.0 mg/l	3.600 mg/l	Maximum Daily	Resolved by Dist.
112805	05/16/09	001A	Final EF	Ammonia Nitroge	50 lbs/day	188.285714 lbs/	Maximum 7-Day	Resolved by Dist.
112651	05/15/09	001A	Final EF	Ammonia Nitroge	2.0 mg/l	7.300 mg/l	Maximum Daily	Resolved by Dist.
112804	05/15/09	001A	Final EF	Ammonia Nitroge	50 lbs/day	199 lbs/day	Maximum 7-Day	Resolved by Dist.
112650	05/14/09	001A	Final EF	Ammonia Nitroge	2.0 mg/l	5.300 mg/l	Maximum Daily	Resolved by Dist.
112803	05/14/09	001A	Final EF	Ammonia Nitroge	50 lbs/day	205.714285 lbs/	Maximum 7-Day	Resolved by Dist.
112649	05/13/09	001A	Final EF	Ammonia Nitroge	2.0 mg/l	8.600 mg/l	Maximum Daily	Resolved by Dist.
112802	05/13/09	001A	Final EF	Ammonia Nitroge	60 lbs/day	204.714285 lbs/	Maximum 7-Day	Resolved by Dist.
112648	05/12/09	001A	Final EF	Ammonia Nitroge	2.0 mg/l	2.300 mg/l	Maximum Daily	Resolved by Dist.
112801	05/12/09	001A	Final EF	Ammonia Nitroge	50 lbs/day	219.714285 lbs/	Maximum 7-Day	Resolved by Dist.
112647	05/11/09	001A	Final EF	Ammonia Nitroge	2.0 mg/l	4.900 mg/l	Maximum Daily	Resolved by Dist.
112800	05/11/09	001A	Final EF	Ammonia Nitroge	50 lbs/day	255 lbs/day	Maximum 7-Day	Resolved by Dist.
112646	05/10/09	001A	Final EF	Ammonia Nitroge	2.0 mg/l	4.900 mg/l	Maximum Daily	Resolved by Dist.
112799	05/10/09	001A	Final EF	Ammonia Nitroge	50 lbs/day	267.857142 lbs/	Maximum 7-Day	Resolved by Dist.
112645	05/09/09	001A	Final EF	Ammonia Nitroge	2.0 mg/l	6.700 mg/l	Maximum Daily	Resolved by Dist.
112798	05/09/09	001A	Final EF	Ammonia Nitroge	50 lbs/day	287.714285 lbs/	Maximum 7-Day	Resolved by Dist.
112644	05/08/09	001A	Final EF	Ammonia Nitroge	2.0 mg/l	8.100 mg/l	Maximum Daily	Resolved by Dist.
112797	05/08/09	001A	Final EF	Ammonia Nitroge	50 lbs/day	292.285714 lbs/	Maximum 7-Day	Resolved by Dist.
112643	05/07/09	001A	Final EF	Ammonia Nitroge	2.0 mg/l	5.200 mg/l	Maximum Daily	Resolved by Dist.
112796	05/07/09	001A	Final EF	Ammonia Nitroge	50 lbs/day	270.571428 lbs/	Maximum 7-Day	Resolved by Dist.
112642	05/06/09	001A	Final EF	Ammonia Nitroge	2.0 mg/l	10.700 mg/l	Maximum Daily	Resolved by Dist.
112641	05/05/09	001A	Final EF	Ammonia Nitroge	2.0 mg/l	8.600 mg/l	Maximum Daily	Resolved by Dist.
112640	05/04/09	001A	Final EF	Ammonia Nitroge	2.0 mg/l	7.000 mg/l	Maximum Daily	Resolved by Dist.
112639	05/03/09	001A	Final EF	Ammonia Nitroge	2.0 mg/l	8.400 mg/l	Maximum Daily	Resolved by Dist.
112638	05/02/09	001A	Final EF	Ammonia Nitroge	2.0 mg/l	7.300 mg/l	Maximum Daily	Resolved by Dist.
112637	05/01/09	001A	Final EF	Ammonia Nitroge	2.0 mg/l	3.800 mg/l	Maximum Daily	Resolved by Dist.
113521	02/28/09	001A	Final EF	Total Suspended	45 mg/l	99.8571428 mg/l	Maximum 7-Day	Active/Evaluated
113520	02/27/09	001A	Final EF	Total Suspended	45 mg/l	102.428571 mg/l	Maximum 7-Day	Active/Evaluated
113519	02/26/09	001A	Final EF	Total Suspended	45 mg/l	105.714285 mg/l	Maximum 7-Day	Active/Evaluated
113518	02/25/09	001A	Final EF	Total Suspended	45 mg/l	101.142057 mg/l	Maximum 7-Day	Active/Evaluated
113517	02/24/09	001A	Final EF	Total Suspended	45 mg/l	101.203714 mg/l	Maximum 7-Day	Active/Evaluated
113516	02/23/09	001A	Final EF	Total Suspended	45 mg/l	113 mg/l	Maximum 7-Day	Active/Evaluated
113515	02/22/09	001A	Final EF	Total Suspended	45 mg/l	123.142857 mg/l	Maximum 7-Day	Active/Evaluated
113514	02/21/09	001A	Final EF	Total Suspended	45 mg/l	126.142857 mg/l	Maximum 7-Day	Active/Evaluated
113513	02/20/09	001A	Final EF	Total Suspended	45 mg/l	139.571428 mg/l	Maximum 7-Day	Active/Evaluated
113512	02/19/09	001A	Final EF	Total Suspended	45 mg/l	139.571428 mg/l	Maximum 7-Day	Active/Evaluated
113511	02/18/09	001A	Final EF	Total Suspended	45 mg/l	142.714285 mg/l	Maximum 7-Day	Active/Evaluated
113510	02/17/09	001A	Final EF	Total Suspended	45 mg/l	142.285714 mg/l	Maximum 7-Day	Active/Evaluated
113509	02/16/09	001A	Final EF	Total Suspended	45 mg/l	130 mg/l	Maximum 7-Day	Active/Evaluated
113508	02/15/09	001A	Final EF	Total Suspended	45 mg/l	121.420571 mg/l	Maximum 7-Day	Active/Evaluated
113507	02/14/09	001A	Final EF	Total Suspended	45 mg/l	117 mg/l	Maximum 7-Day	Active/Evaluated
113506	02/13/09	001A	Final EF	Total Suspended	45 mg/l	96.2857142 mg/l	Maximum 7-Day	Active/Evaluated
113505	02/12/09	001A	Final EF	Total Suspended	45 mg/l	76.8571428 mg/l	Maximum 7-Day	Active/Evaluated
113504	02/11/09	001A	Final EF	Total Suspended	45 mg/l	84.2057142 mg/l	Maximum 7-Day	Active/Evaluated
113503	02/10/09	001A	Final EF	Total Suspended	45 mg/l	81.5714285 mg/l	Maximum 7-Day	Active/Evaluated
113502	02/09/09	001A	Final EF	Total Suspended	45 mg/l	80.2957142 mg/l	Maximum 7-Day	Active/Evaluated
113501	02/08/09	001A	Final EF	Total Suspended	45 mg/l	80.1428571 mg/l	Maximum 7-Day	Active/Evaluated
113500	02/07/09	001A	Final EF	Total Suspended	45 mg/l	79.7142857 mg/l	Maximum 7-Day	Active/Evaluated
115435	09/15/08	001A	Final EF	Ammonia Nitroge	2.0 mg/l	4.100 mg/l	Maximum Daily	Addressed by Enf.
115434	09/14/08	001A	Final EF	Ammonia Nitroge	2.0 mg/l	4.300 mg/l	Maximum Daily	Addressed by Enf.
115433	09/04/08	001A	Final EF	Ammonia Nitroge	2.0 mg/l	3.500 mg/l	Maximum Daily	Addressed by Enf.
115432	09/03/08	001A	Final EF	Ammonia Nitroge	2.0 mg/l	5.300 mg/l	Maximum Daily	Addressed by Enf.
116762	07/26/08	001A	Final EF	Ammonia Nitroge	50 lbs/day	63.7142857 lbs/	Maximum 7-Day	Active/Evaluated
116761	07/24/08	001A	Final EF	Ammonia Nitroge	50 lbs/day	92.5714285 lbs/	Maximum 7-Day	Active/Evaluated

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Viol ID	Detection Date	Mon. Point	Mon. Point Descrip.	Parameter	Permit Limit	Sample Result	Limit Type	Status
116760	07/23/08	001A	Final EF	Ammonia Nitroge	60 lbs/day	114,571428 lbs/	Maximum 7-Day	Active/Evaluated
116759	07/22/08	001A	Final EF	Ammonia Nitroge	50 lbs/day	141.571428 lbs/	Maximum 7-Day	Active/Evaluated
116760	07/21/08	001A	Final EF	Ammonia Nitroge	50 lbs/day	146.420571 lbs/	Maximum 7-Day	Active/Evaluated
116513	07/20/08	001A	Final EF	Ammonia Nitroge	2.0 mg/l	3.900 mg/l	Maximum Daily	Active/Evaluated
116757	07/20/08	001A	Final EF	Ammonia Nitroge	50 lbs/day	145 lbs/day	Maximum 7-Day	Active/Evaluated
116512	07/19/08	001A	Final EF	Ammonia Nitroge	2.0 mg/l	8.600 mg/l	Maximum Daily	Active/Evaluated
116756	07/19/08	001A	Final EF	Ammonia Nitroge	50 lbs/day	134,057142 lbs/	Maximum 7-Day	Active/Evaluated
116511	07/18/08	001A	Final EF	Ammonia Nitroge	2.0 mg/l	10.000 mg/l	Maximum Daily	Active/Evaluated
116755	07/18/08	001A	Final EF	Ammonia Nitroge	50 lbs/day	108,857142 lbs/	Maximum 7-Day	Active/Evaluated
116510	07/17/08	001A	Final EF	Ammonia Nitroge	2.0 mg/l	7.500 mg/l	Maximum Daily	Active/Evaluated
116754	07/17/08	001A	Final EF	Ammonia Nitroge	50 lbs/day	83,4285714 lbs/	Maximum 7-Day	Active/Evaluated
116509	07/16/08	001A	Final EF	Ammonia Nitroge	2.0 mg/l	9.300 mg/l	Maximum Daily	Active/Evaluated
116753	07/16/08	001A	Final EF	Ammonia Nitroge	50 lbs/day	59,1420571 lbs/	Maximum 7-Day	Active/Evaluated
116508	07/15/08	001A	Final EF	Ammonia Nitroge	2.0 mg/l	2.500 mg/l	Maximum Daily	Active/Evaluated
116752	07/15/08	001A	Final EF	Ammonia Nitroge	50 lbs/day	102 lbs/day	Maximum 7-Day	Active/Evaluated
116511	07/12/08	001A	Final EF	Ammonia Nitroge	50 lbs/day	104,857142 lbs/	Maximum 7-Day	Active/Evaluated
116507	07/11/08	001A	Final EF	Ammonia Nitroge	2.0 mg/l	2.100 mg/l	Maximum Daily	Active/Evaluated
116760	07/11/08	001A	Final EF	Ammonia Nitroge	60 lbs/day	108,142057 lbs/	Maximum 7-Day	Active/Evaluated
116749	07/10/08	001A	Final EF	Ammonia Nitroge	50 lbs/day	104,428571 lbs/	Maximum 7-Day	Active/Evaluated
116748	07/09/08	001A	Final EF	Ammonia Nitroge	50 lbs/day	107,714285 lbs/	Maximum 7-Day	Active/Evaluated
116506	07/08/08	001A	Final EF	Ammonia Nitroge	2.0 mg/l	2.100 mg/l	Maximum Daily	Active/Evaluated
116747	07/08/08	001A	Final EF	Ammonia Nitroge	50 lbs/day	111,285714 lbs/	Maximum 7-Day	Active/Evaluated
116505	07/07/08	001A	Final EF	Ammonia Nitroge	2.0 mg/l	22.000 mg/l	Maximum Daily	Active/Evaluated
116746	07/07/08	001A	Final EF	Ammonia Nitroge	80 lbs/day	117,571428 lbs/	Maximum 7-Day	Active/Evaluated
116504	07/01/08	001A	Final EF	Ammonia Nitroge	2.0 mg/l	4.300 mg/l	Maximum Daily	Active/Evaluated
116901	06/30/08	001A	Final EF	Ammonia Nitroge	2.0 mg/l	9.400 mg/l	Maximum Daily	Addressed by Enf.
117034	06/30/08	001A	Final EF	Ammonia Nitroge	50 lbs/day	122,142057 lbs/	Maximum 7-Day	Addressed by Enf.
116900	06/29/08	001A	Final EF	Ammonia Nitroge	2.0 mg/l	7.10 mg/l	Maximum Daily	Addressed by Enf.
117033	06/29/08	001A	Final EF	Ammonia Nitroge	50 lbs/day	102,285714 lbs/	Maximum 7-Day	Addressed by Enf.
116897	06/29/08	001A	Final EF	Carbonaceous Bl	10 mg/l	14 mg/l	Maximum Daily	Addressed by Enf.
116899	06/28/08	001A	Final EF	Ammonia Nitroge	2.0 mg/l	5.30 mg/l	Maximum Daily	Addressed by Enf.
117032	06/20/08	001A	Final EF	Ammonia Nitroge	50 lbs/day	84,5714285 lbs/	Maximum 7-Day	Addressed by Enf.
116898	06/27/08	001A	Final EF	Ammonia Nitroge	2.0 mg/l	3.50 mg/l	Maximum Daily	Addressed by Enf.
117031	06/27/08	001A	Final EF	Ammonia Nitroge	50 lbs/day	70,4205714 lbs/	Maximum 7-Day	Addressed by Enf.
116897	06/26/08	001A	Final EF	Ammonia Nitroge	2.0 mg/l	4.90 mg/l	Maximum Daily	Addressed by Enf.
117030	06/26/08	001A	Final EF	Ammonia Nitroge	50 lbs/day	61,1420571 lbs/	Maximum 7-Day	Addressed by Enf.
116896	06/25/08	001A	Final EF	Ammonia Nitroge	2.0 mg/l	3.60 mg/l	Maximum Daily	Addressed by Enf.
117029	06/25/08	001A	Final EF	Ammonia Nitroge	50 lbs/day	55,1428571 lbs/	Maximum 7-Day	Addressed by Enf.
116895	06/24/08	001A	Final EF	Ammonia Nitroge	2.0 mg/l	4.20 mg/l	Maximum Daily	Addressed by Enf.
116894	06/23/08	001A	Final EF	Ammonia Nitroge	2.0 mg/l	3.20 mg/l	Maximum Daily	Addressed by Enf.
116893	06/19/08	001A	Final EF	Ammonia Nitroge	2.0 mg/l	2.20 mg/l	Maximum Daily	Addressed by Enf.
116892	06/18/08	001A	Final EF	Ammonia Nitroge	2.0 mg/l	2.10 mg/l	Maximum Daily	Addressed by Enf.
117028	06/16/08	001A	Final EF	Ammonia Nitroge	50 lbs/day	52,7142857 lbs/	Maximum 7-Day	Addressed by Enf.
116891	06/15/08	001A	Final EF	Ammonia Nitroge	2.0 mg/l	2.30 mg/l	Maximum Daily	Addressed by Enf.
117027	06/15/08	001A	Final EF	Ammonia Nitroge	50 lbs/day	53,5714205 lbs/	Maximum 7-Day	Addressed by Enf.
117026	06/12/08	001A	Final EF	Ammonia Nitroge	50 lbs/day	50,2857142 lbs/	Maximum 7-Day	Addressed by Enf.
116900	06/10/08	001A	Final EF	Ammonia Nitroge	2.0 mg/l	6.70 mg/l	Maximum Daily	Addressed by Enf.
117025	06/10/08	001A	Final EF	Ammonia Nitroge	50 lbs/day	50,7142857 lbs/	Maximum 7-Day	Addressed by Enf.
116906	06/10/08	001A	Final EF	Carbonaceous Bl	10 mg/l	13 mg/l	Maximum Daily	Addressed by Enf.
116895	06/09/08	001A	Final EF	Carbonaceous Bl	10 mg/l	14 mg/l	Maximum Daily	Addressed by Enf.
116889	06/04/08	001A	Final EF	Ammonia Nitroge	2.0 mg/l	3.00 mg/l	Maximum Daily	Addressed by Enf.
116800	06/01/08	001A	Final EF	Ammonia Nitroge	2.0 mg/l	2.80 mg/l	Maximum Daily	Addressed by Enf.
117503	05/22/08	001A	Final EF	Ammonia Nitroge	2.0 mg/l	2.200 mg/l	Maximum Daily	Active/Evaluated
117502	05/21/08	001A	Final EF	Ammonia Nitroge	2.0 mg/l	3.200 mg/l	Maximum Daily	Active/Evaluated
117501	05/20/08	001A	Final EF	Ammonia Nitroge	2.0 mg/l	4.800 mg/l	Maximum Daily	Active/Evaluated
117500	05/06/08	001A	Final EF	Ammonia Nitroge	2.0 mg/l	2.800 mg/l	Maximum Daily	Active/Evaluated
117499	05/04/08	001A	Final EF	Ammonia Nitroge	2.0 mg/l	2.200 mg/l	Maximum Daily	Active/Evaluated
119765	02/29/08	001A	Final EF	Total Suspended	45 mg/l	213,857142 mg/l	Maximum 7-Day	Active/Evaluated
119764	02/28/08	001A	Final EF	Total Suspended	45 mg/l	239,205714 mg/l	Maximum 7-Day	Active/Evaluated
119763	02/27/08	001A	Final EF	Total Suspended	45 mg/l	231 mg/l	Maximum 7-Day	Active/Evaluated
119762	02/26/08	001A	Final EF	Total Suspended	45 mg/l	246 mg/l	Maximum 7-Day	Active/Evaluated
119761	02/25/08	001A	Final EF	Total Suspended	45 mg/l	255,857142 mg/l	Maximum 7-Day	Active/Evaluated
119760	02/24/08	001A	Final EF	Total Suspended	45 mg/l	259,285714 mg/l	Maximum 7-Day	Active/Evaluated
119759	02/23/08	001A	Final EF	Total Suspended	45 mg/l	263,857142 mg/l	Maximum 7-Day	Active/Evaluated
119758	02/22/08	001A	Final EF	Total Suspended	45 mg/l	269,857142 mg/l	Maximum 7-Day	Active/Evaluated
119757	02/21/08	001A	Final EF	Total Suspended	45 mg/l	282,285714 mg/l	Maximum 7-Day	Active/Evaluated
119756	02/20/08	001A	Final EF	Total Suspended	45 mg/l	287,285714 mg/l	Maximum 7-Day	Active/Evaluated
119755	02/19/08	001A	Final EF	Total Suspended	45 mg/l	285 mg/l	Maximum 7-Day	Active/Evaluated
119754	02/18/08	001A	Final EF	Total Suspended	45 mg/l	271,428571 mg/l	Maximum 7-Day	Active/Evaluated
119753	02/17/08	001A	Final EF	Total Suspended	45 mg/l	270 mg/l	Maximum 7-Day	Active/Evaluated
119752	02/16/08	001A	Final EF	Total Suspended	45 mg/l	239,205714 mg/l	Maximum 7-Day	Active/Evaluated
119751	02/15/08	001A	Final EF	Total Suspended	45 mg/l	215,428571 mg/l	Maximum 7-Day	Active/Evaluated
119750	02/14/08	001A	Final EF	Total Suspended	45 mg/l	236,714285 mg/l	Maximum 7-Day	Active/Evaluated
119749	02/13/08	001A	Final EF	Total Suspended	45 mg/l	226,857142 mg/l	Maximum 7-Day	Active/Evaluated
119748	02/12/08	001A	Final EF	Total Suspended	45 mg/l	225,857142 mg/l	Maximum 7-Day	Active/Evaluated
119747	02/11/08	001A	Final EF	Total Suspended	45 mg/l	223 mg/l	Maximum 7-Day	Active/Evaluated
119746	02/10/08	001A	Final EF	Total Suspended	45 mg/l	207,142857 mg/l	Maximum 7-Day	Active/Evaluated

**DEQ-WATER RESOURCES DIVISION
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Viol ID	Detection Date	Mon. Point	Mon. Point Descript.	Parameter	Permit Limit	Sample Result	Limit Type	Status
119745,	02/09/00,	001A,	Final Ef,	Total Suspended,	45 mg/l,	212.285714 mg/l,	Maximum 7-Day,	Active/Evaluated,
119744,	02/08/00,	001A,	Final Ef,	Total Suspended,	45 mg/l,	209.714285 mg/l,	Maximum 7-Day,	Active/Evaluated,
119743,	02/07/00,	001A,	Final Ef,	Total Suspended,	45 mg/l,	164.428571 mg/l,	Maximum 7-Day,	Active/Evaluated,
44103,	11/10/07,	001A,	Final Ef,	Ammonia Nitroge,	2.0 mg/l,	3.800 mg/l,	Maximum Daily,	Addressed by Enf,
44102,	11/09/07,	001A,	Final Ef,	Ammonia Nitroge,	2.0 mg/l,	4.600 mg/l,	Maximum Daily,	Addressed by Enf,
44101,	11/08/07,	001A,	Final Ef,	Ammonia Nitroge,	2.0 mg/l,	5.200 mg/l,	Maximum Daily,	Addressed by Enf,
44180,	11/07/07,	001A,	Final Ef,	Ammonia Nitroge,	2.0 mg/l,	3.300 mg/l,	Maximum Daily,	Addressed by Enf,
44179,	11/06/07,	001A,	Final Ef,	Ammonia Nitroge,	2.0 mg/l,	3.100 mg/l,	Maximum Daily,	Addressed by Enf,
44178,	11/05/07,	001A,	Final Ef,	Ammonia Nitroge,	2.0 mg/l,	3.600 mg/l,	Maximum Daily,	Addressed by Enf,
44177,	11/04/07,	001A,	Final Ef,	Ammonia Nitroge,	2.0 mg/l,	2.700 mg/l,	Maximum Daily,	Addressed by Enf,
44176,	11/03/07,	001A,	Final Ef,	Ammonia Nitroge,	2.0 mg/l,	6.400 mg/l,	Maximum Daily,	Addressed by Enf,
44175,	11/02/07,	001A,	Final Ef,	Ammonia Nitroge,	2.0 mg/l,	3.800 mg/l,	Maximum Daily,	Addressed by Enf,
44174,	11/01/07,	001A,	Final Ef,	Ammonia Nitroge,	2.0 mg/l,	3.500 mg/l,	Maximum Daily,	Addressed by Enf,

SOC Violations

Viol ID	SOC ID	Program Name	Schedule Name	Due Date	Detection Date	SOC Status	Violation Status
120590	20766	Pollutant Minimization Prog	for Total Mercury	03/31/11	04/01/11	Retired	Retired

DMR/CMR Report Submittal Violations

Viol ID	Report Start Date	Report End Date	Report Due Date	Type	Viol Status

Other Violations

Viol ID	Detection Date	Violation Category	Violation Type	Violation Status
123714,	02/09/11,	Inspection - IPP,	Failure to Follow ERP,	Addressed by,
123716,	02/09/11,	Inspection - IPP,	Failure to Implement IPP Procedures,	Addressed by,
123718,	02/09/11,	Inspection - IPP,	Wrong Sample Type,	Addressed by,
123717,	02/09/11,	Inspection - Surface Water,	Improper Operation of Facility,	Addressed by,
101257,	07/30/10,	Inspection - IPP,	Failure to Follow ERP,	Resolved by,
99929,	07/30/10,	Inspection - IPP,	Failure to Implement IPP Procedures,	Resolved by,
101298,	07/30/10,	Inspection - IPP,	Failure to Properly Classify SIVs,	Resolved by,
101250,	07/30/10,	Inspection - IPP,	Inadequate Legal Authority	Resolved by

ENFORCEMENT

Enf. ID	Enf. No.	Enforcement Type	Action Type	Issued Date	Issued By	Enf. Status
7425,	VI-003777,	Violation Notice,	Informal,	11/26/08,	Deborah Quinn,	Issued,
8630,	VI-004662,	Violation Notice,	Informal,	09/03/10,	Deborah Quinn,	Superseded,
9083,	SVI-000399,	Second Violation Notice,	Informal,	08/16/11,	Deborah Quinn,	Issued,
8017	ACO-000117	Administrative Consent Order	Formal		Nicola H. Zacharda	Pending

FOLLOW-UP ACTION

Item ID	Item Name	Due Date	Received Date	Approved Date	Locked	Item Type

Comments/Notes

DEQ-WATER RESOURCES DIVISION
POST INSPECTION REPORT

Completed by

A handwritten signature in black ink, appearing to be "C. [unclear]", written over a horizontal line.

Date

8-15-12