



NEW MEXICO
ENVIRONMENT DEPARTMENT



Surface Water Quality Bureau

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Director
Resource Protection Division

Certified Mail - Return Receipt Requested

CORRECTED COPY

December 23, 2013

Mr. Bobby Towle
Operations Manager
New Mexico Water Service Company
401 Horner Street
Belen, New Mexico 87002

**Re: Rio Del Oro Wastewater Treatment Plant; Minor; Individual Permit; SIC 4952;
Compliance Evaluation Inspection; NPDES Permit NM0030414; December 2, 2013**

Dear Mr. Towle:

Enclosed please find a copy of the report and check list for the referenced inspection that the New Mexico Environment Department (NMED) conducted at your facility on behalf of the U.S. Environmental Protection Agency (USEPA). This inspection report will be sent to the USEPA in Dallas for their review. These inspections are used by USEPA to determine compliance with the National Pollutant Discharge Elimination System (NPDES) permitting program in accordance with requirements of the federal Clean Water Act.

You are encouraged to review the inspection report, required to correct any problems noted during the inspection, and advised to modify your operational and/or administrative procedures, as appropriate. If you have comments on or concerns with the basis for the findings in the NMED inspection report, please contact us (see the address below) in writing within 30 days from the date of this letter. Further you are encouraged to notify in writing both the USEPA and NMED regarding modifications and compliance schedules at the addresses below:

Racquel Douglas
US Environmental Protection Agency, Region VI
Enforcement Branch (6EN-WM)
Fountain Place
1445 Ross Avenue
Dallas, Texas 75202-2733

Bruce Yurdin
New Mexico Environment Department
Surface Water Quality Bureau
Point Source Regulation Section
P.O. Box 5469
Santa Fe, New Mexico 87502

Rio del Oro
December 23, 2013
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If you have any questions about this inspection report, please contact Sandra Gabaldon at (505) 827-1041 or at sandra.gabaldon@state.nm.us.

Sincerely,

/s/ Bruce J. Yurdin

Bruce J. Yurdin
Program Manager
Point Source Regulation Section
Surface Water Quality Bureau

cc: Carol Peters-Wagnon, USEPA (6EN-WM) by e-mail
Racquel Douglas, USEPA (6EN-WM) by e-mail
Larry Giglio, USEPA (6WQ-PP) by e-mail
Gladys Gooden-Jackson (6EN-WC) by e-mail
NMED District I, by e-mail



NPDES Compliance Inspection Report

Section A: National Data System Coding

Transaction Code	NPDES	yr/mo/day	Inspec. Type	Inspector	Fac Type	
1 <input type="text" value="N"/> 2 <input type="text" value="5"/> 3 <input type="text" value="N"/> <input type="text" value="M"/> <input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="3"/> <input type="text" value="0"/> <input type="text" value="4"/> <input type="text" value="1"/> <input type="text" value="4"/> 11 12 <input type="text" value="1"/> <input type="text" value="3"/> <input type="text" value="1"/> <input type="text" value="2"/> <input type="text" value="0"/> <input type="text" value="2"/> 17 18 <input type="text" value="C"/> 19 <input type="text" value="S"/> 20 <input type="text" value="1"/>	Remarks					
<input type="text" value="M"/> <input type="text" value="I"/> <input type="text" value="N"/> <input type="text" value="O"/> <input type="text" value="R"/> <input type="text" value="W"/> <input type="text" value="W"/> <input type="text" value="T"/> <input type="text" value="P"/>						
Inspection Work Days	Facility Evaluation Rating	BI	QA	Reserved		
67 <input type="text"/> <input type="text"/> <input type="text"/> 69	70 <input type="text" value="3"/>	71 <input type="text" value="N"/>	72 <input type="text" value="N"/>	73 <input type="text"/>	74 <input type="text"/>	
75 <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> 80						

Section B: Facility Data

Name and Location of Facility Inspected <i>(For industrial users discharging to POTW, also include POTW name and NPDES permit number)</i> Rio Del Oro Wastewater Treatment Plant Take 1-25 South, Exit 215, south on NM 47. From junction 6 and NM47, turn left, then turn left onto Patricio then approximately 1 mile to La Estrada. Continue past Tome cemetery and turn left on dirt road – follow road to WWTP. VALENCIA COUNTY	Entry Time /Date 0905 Hours / 12-02-2013	Permit Effective Date April 01, 2010
	Exit Time/Date 1110 Hours / 12-02-2013	Permit Expiration Date March 31, 2015
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s) Porfirio Baca, Level I Certified Operator	Other Facility Data SIC 4952 LAT: 34 28.28.34 LONG: -106 42 21.45	
Name, Address of Responsible Official/Title/Phone and Fax Number Mr. Robert Towle, Operations Manager / (505) 864-2218 / (505) 463-1395 (cell) New Mexico Water Service Company 401 Horner Street Belen, NM 87002	Contacted Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

Section C: Areas Evaluated During Inspection

(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

<input type="text" value="S"/>	Permit	<input type="text" value="S"/>	Flow Measurement	<input type="text" value="S"/>	Operations & Maintenance	<input type="text" value="N"/>	CSO/SSO
<input type="text" value="S"/>	Records/Reports	<input type="text" value="M"/>	Self-Monitoring Program	<input type="text" value="S"/>	Sludge Handling/Disposal	<input type="text" value="N"/>	Pollution Prevention
<input type="text" value="S"/>	Facility Site Review	<input type="text" value="N"/>	Compliance Schedules	<input type="text" value="N"/>	Pretreatment	<input type="text" value="N"/>	Multimedia
<input type="text" value="S"/>	Effluent/Receiving Waters	<input type="text" value="M"/>	Laboratory	<input type="text" value="N"/>	Storm Water	<input type="text" value="N"/>	Other:

Section D: Summary of Findings/Comments (Attach additional sheets if necessary)

Please see checklist and further explanations for details of findings

Name(s) and Signature(s) of Inspector(s) Sandra Gabaldon /s/ Sandra Gabaldon	Agency/Office/Telephone/Fax NMED/SWQB/(505) 827-1041/(505) 827-0610	Date December 23, 2013
Signature of Management QA Reviewer /s/ Bruce Yurdin Bruce Yurdin, Program Manager	Agency/Office/Phone and Fax Numbers NMED/SWQB/(505) 827-2795/(505) 827-0610	Date December 23, 2014

SECTION A - PERMIT VERIFICATION

PERMIT SATISFACTORILY ADDRESSES OBSERVATIONS S M U NA (FURTHER EXPLANATION ATTACHED NO)

DETAILS:

1. CORRECT NAME AND MAILING ADDRESS OF PERMITTEE Y N NA

2. NOTIFICATION GIVEN TO EPA/STATE OF NEW DIFFERENT OR INCREASED DISCHARGES Y N NA

3. NUMBER AND LOCATION OF DISCHARGE POINTS AS DESCRIBED IN PERMIT Y N NA

4. ALL DISCHARGES ARE PERMITTED Y N NA

SECTION B - RECORDKEEPING AND REPORTING EVALUATION

RECORDS AND REPORTS MAINTAINED AS REQUIRED BY PERMIT. S M U NA (FURTHER EXPLANATION ATTACHED YES)

DETAILS:

1. ANALYTICAL RESULTS CONSISTENT WITH DATA REPORTED ON DMRs. Y N NA

2. SAMPLING AND ANALYSES DATA ADEQUATE AND INCLUDE. S M U NA

a) DATES, TIME(S) AND LOCATION(S) OF SAMPLING Y N NA

b) NAME OF INDIVIDUAL PERFORMING SAMPLING Y N NA

c) ANALYTICAL METHODS AND TECHNIQUES. Incorrect analytical method used for pH Y N NA

d) RESULTS OF ANALYSES AND CALIBRATIONS. Y N NA

e) DATES AND TIMES OF ANALYSES. Y N NA

f) NAME OF PERSON(S) PERFORMING ANALYSES. Y N NA

3. LABORATORY EQUIPMENT CALIBRATION AND MAINTENANCE RECORDS ADEQUATE. S M U NA

4. PLANT RECORDS INCLUDE SCHEDULES, DATES OF EQUIPMENT MAINTENANCE AND REPAIR. S M U NA

5. EFFLUENT LOADINGS CALCULATED USING DAILY EFFLUENT FLOW AND DAILY ANALYTICAL DATA. Y N NA

SECTION C - OPERATIONS AND MAINTENANCE

TREATMENT FACILITY PROPERLY OPERATED AND MAINTAINED. S M U NA (FURTHER EXPLANATION ATTACHED NO)

DETAILS:

1. TREATMENT UNITS PROPERLY OPERATED. S M U NA

2. TREATMENT UNITS PROPERLY MAINTAINED. S M U NA

3. STANDBY POWER OR OTHER EQUIVALENT PROVIDED. S M U NA

4. ADEQUATE ALARM SYSTEM FOR POWER OR EQUIPMENT FAILURES AVAILABLE. S M U NA

5. ALL NEEDED TREATMENT UNITS IN SERVICE S M U NA

6. ADEQUATE NUMBER OF QUALIFIED OPERATORS PROVIDED. S M U NA

7. SPARE PARTS AND SUPPLIES INVENTORY MAINTAINED. S M U NA

8. OPERATION AND MAINTENANCE MANUAL AVAILABLE. Y N NA

STANDARD OPERATING PROCEDURES AND SCHEDULES ESTABLISHED. Y N NA

PROCEDURES FOR EMERGENCY TREATMENT CONTROL ESTABLISHED. Y N NA

SECTION C - OPERATIONS AND MAINTENANCE (CONT'D)

9. HAVE BYPASSES/OVERFLOWS OCCURRED AT THE PLANT OR IN THE COLLECTION SYSTEM IN THE LAST YEAR? Y N NA
 IF SO, HAS THE REGULATORY AGENCY BEEN NOTIFIED? Y N NA
 HAS CORRECTIVE ACTION BEEN TAKEN TO PREVENT ADDITIONAL BYPASSES/OVERFLOWS? Y N NA
10. HAVE ANY HYDRAULIC OVERLOADS OCCURRED AT THE TREATMENT PLANT? Y N NA
 IF SO, DID PERMIT VIOLATIONS OCCUR AS A RESULT? Y N NA

SECTION D - SELF-MONITORING

PERMITTEE SELF-MONITORING MEETS PERMIT REQUIREMENTS. S M U NA (FURTHER EXPLANATION ATTACHED YES).
 DETAILS:

1. SAMPLES TAKEN AT SITE(S) SPECIFIED IN PERMIT. Y N NA
2. LOCATIONS ADEQUATE FOR REPRESENTATIVE SAMPLES. Y N NA
3. FLOW PROPORTIONED SAMPLES OBTAINED WHEN REQUIRED BY PERMIT. Y N NA
4. SAMPLING AND ANALYSES COMPLETED ON PARAMETERS SPECIFIED IN PERMIT. Y N NA
5. SAMPLING AND ANALYSES PERFORMED AT FREQUENCY SPECIFIED IN PERMIT. Y N NA
6. SAMPLE COLLECTION PROCEDURES ADEQUATE Y N NA
- a) SAMPLES REFRIGERATED DURING COMPOSITING. Y N NA
- b) PROPER PRESERVATION TECHNIQUES USED. Y N NA
- c) CONTAINERS AND SAMPLE HOLDING TIMES CONFORM TO 40 CFR 136.3. Y N NA
7. IF MONITORING AND ANALYSES ARE PERFORMED MORE OFTEN THAN REQUIRED BY PERMIT, ARE THE RESULTS REPORTED IN PERMITTEE'S SELF-MONITORING REPORT? Y N NA

SECTION E - FLOW MEASUREMENT

PERMITTEE FLOW MEASUREMENT MEETS PERMIT REQUIREMENTS. S M U NA (FURTHER EXPLANATION ATTACHED NO).
 DETAILS:

1. PRIMARY FLOW MEASUREMENT DEVICE PROPERLY INSTALLED AND MAINTAINED. Y N NA
 TYPE OF DEVICE : Turbine meter in discharge line of the turbine pump.
2. FLOW MEASURED AT EACH OUTFALL AS REQUIRED. Y N NA
3. SECONDARY INSTRUMENTS (TOTALIZERS, RECORDERS, ETC.) PROPERLY OPERATED AND MAINTAINED. Y N NA
4. CALIBRATION FREQUENCY ADEQUATE. Y N NA
 RECORDS MAINTAINED OF CALIBRATION PROCEDURES. Y N NA
 CALIBRATION CHECKS DONE TO ASSURE CONTINUED COMPLIANCE. Y N NA
5. FLOW ENTERING DEVICE WELL DISTRIBUTED ACROSS THE CHANNEL AND FREE OF TURBULENCE. Y N NA
6. HEAD MEASURED AT PROPER LOCATION. Y N NA
7. FLOW MEASUREMENT EQUIPMENT ADEQUATE TO HANDLE EXPECTED RANGE OF FLOW RATES. Y N NA

SECTION F - LABORATORY

PERMITTEE LABORATORY PROCEDURES MEET PERMIT REQUIREMENTS. S M U NA (FURTHER EXPLANATION ATTACHED YES).
 DETAILS:

1. EPA APPROVED ANALYTICAL PROCEDURES USED (40 CFR 136.3 FOR LIQUIDS, 503.8(b) FOR SLUDGES) Y N NA

SECTION F - LABORATORY (CONT'D)

- 2. IF ALTERNATIVE ANALYTICAL PROCEDURES ARE USED, PROPER APPROVAL HAS BEEN OBTAINED Y N X NA
- 3. SATISFACTORY CALIBRATION AND MAINTENANCE OF INSTRUMENTS AND EQUIPMENT. X S O M U NA
- 4. QUALITY CONTROL PROCEDURES ADEQUATE. X S M U NA
- 5. DUPLICATE SAMPLES ARE ANALYZED. 100 % OF THE TIME. X Y N NA
- 6. SPIKED SAMPLES ARE ANALYZED. % OF THE TIME. Y N X NA
- 7. COMMERCIAL LABORATORY USED. X Y N NA

LAB NAME Hall Environmental Analysis Laboratory Wilkins Environmental Consulting & Laboratories
 LAB ADDRESS 4901 Hawkins, NE; Albuquerque, NM 87109 832 NW 67th Street; Oklahoma City, OK 73116
 PARAMETERS PERFORMED BOD, TSS, E. coli Biomonitoring

SECTION G - EFFLUENT/RECEIVING WATERS OBSERVATIONS. X S M O U NA (FURTHER EXPLANATION ATTACHED NO).

OUTFALL NO.	OIL SHEEN	GREASE	TURBIDITY	VISIBLE FOAM	FLOAT SOL.	COLOR	OTHER
001	NONE	NONE	NONE	NONE	NONE	CLEAR	

RECEIVING WATER OBSERVATIONS

SECTION H - SLUDGE DISPOSAL

SLUDGE DISPOSAL MEETS PERMIT REQUIREMENTS. X S M U NA (FURTHER EXPLANATION ATTACHED NO).
 DETAILS:

- 1. SLUDGE MANAGEMENT ADEQUATE TO MAINTAIN EFFLUENT QUALITY. X S M U NA
- 2. SLUDGE RECORDS MAINTAINED AS REQUIRED BY 40 CFR 503. X S M U NA
- 3. FOR LAND APPLIED SLUDGE, TYPE OF LAND APPLIED TO: N/A (e.g., FOREST, AGRICULTURAL, PUBLIC CONTACT SITE)

SECTION I - SAMPLING INSPECTION PROCEDURES (FURTHER EXPLANATION ATTACHED).

- 1. SAMPLES OBTAINED THIS INSPECTION. Y N X NA
- 2. TYPE OF SAMPLE OBTAINED
 GRAB _____ COMPOSITE SAMPLE _____ METHOD _____ FREQUENCY _____
- 3. SAMPLES PRESERVED. Y N NA
- 4. FLOW PROPORTIONED SAMPLES OBTAINED. Y N NA
- 5. SAMPLE OBTAINED FROM FACILITY'S SAMPLING DEVICE. Y N NA
- 6. SAMPLE REPRESENTATIVE OF VOLUME AND MATURE OF DISCHARGE. Y N NA
- 7. SAMPLE SPLIT WITH PERMITTEE. Y N NA
- 8. CHAIN-OF-CUSTODY PROCEDURES EMPLOYED. Y N NA
- 9. SAMPLES COLLECTED IN ACCORDANCE WITH PERMIT. Y N NA

**RIO DEL ORO WWTP
COMPLIANCE EVALUATION INSPECTION
NPDES Permit No. NM0030414
DECEMBER 2, 2013**

INTRODUCTION

A compliance evaluation inspection (CEI) was conducted at the Rio del Oro WWTP on December 2, 2013 by Sandra Gabaldón and Daniel Valenta of the State of New Mexico Environment Department (NMED), Surface Water Quality Bureau (SWQB). This facility is a private domestic WWTP classified under the federal Clean Water Act (CWA), Section 402 National Pollutant Discharge Elimination System (NPDES) permit program and is assigned NPDES permit number NM0030414. The facility design flow is 0.3 million gallons a day (MGD).

The Rio del Oro WWTP discharges into La Canada de La Loma de Arena thence to La Constancia Ditch, thence to the Rio Grande in segment 20.6.4.105 (NMAC State of New Mexico Standards for Interstate and Intrastate Surface Waters). Designated uses of Segment 20.6.4.105 are irrigation, marginal warmwater aquatic life, livestock watering, public water supply, wildlife habitat and primary contact.

The NMED performs a certain number of CEI's annually for the United States Environment Protection Agency (USEPA). The purpose of this inspection is to provide the USEPA with information to evaluate the permittee's compliance with their NPDES permit. The enclosed inspection report is based on verbal information supplied by the permittee's representative, observations made by the NMED inspector, and a review of records maintained by the permittee, commercial laboratory, and/or NMED. Findings of the inspection are detailed on the attached EPA form 3560-3 and in the narrative further explanations section of this report.

The inspectors arrived at the facility at 1040 hours and conducted an entrance interview with the on-site operator, Mr. Porfirio Baca. Mr. Baca called Mr. Towle, Wastewater Operations Supervisor, and notified Mr. Towle of the impending inspection. Sandra Gabaldon, lead inspector, showed her credentials to Mr. Baca and proceeded with the inspection.

TREATMENT SCHEME:

The Rio del Oro wastewater treatment facility is a membrane bioreactor.

Raw sewage is discharged into one of two (2) automatic fine bar screens (one on-line; one standby) that are provided with a common conveyor/washer/compactor (CWC). The CWC removes organics from the screenings and automatically dumps the washed and compacted screenings into a dumpster that is emptied at a landfill.

The influent from the bar screen discharges into the pre-air basin to be mixed with the activated sludge (mixed liquor suspended solids). Not only are BOD and TSS removed in the pre-aeration basin, nitrogen is also removed with alternating periods of aeration (nitrification) and anoxic mixing (denitrification).

Two (2) submersible pumps continuously pump the mixed liquor from the pre-aeration basin into each of the two (2) separate bioreactors. Each reactor is equipped with four (4) submerged membrane units (SM*) which have 200 flat plate filters in each unit. Facility effluent is withdrawn through the flat plate membranes (filtered) by permeate pumps (two in line; one standby), disinfected with ultraviolet light, and discharged to a holding basin for irrigation reuse. Two (2) UV disinfection units for bacterial control began on March 14, 2008.

The excess mixed liquor suspended solids in the bioreactors automatically recycles back to the pre-aeration basin through telescoping valves. Waste activated sludge is removed from both bioreactors daily and is discharged into the sludge holding tank. Sludge is removed weekly from the holding tank and taken to the surface disposal site.

Air is supplied to the pre-aeration and bioreactor basins with two (2) separate aeration systems. Two (2) aeration blowers are provided for each system (one on line; one standby). The MBR is monitored and controlled by a programmable logic controller (PLC) that also provided supervisory control and data acquisition for alarm notification. Operator control is provided through a human-machine interface that is simply a PC located in the admin/lab building. In the event of a failure of the PLC, the facility can also be operated manually.

SLUDGE MANAGEMENT:

The facility pumps sludge from the aerobic digester into a septage truck which hold approximately 2,000 gallons. From here, the sludge is surface disposed at a dedicated site approximately 4 miles from the facility. The sludge is surface disposed and incorporated into the soil approximately four hours after application.

Compliance Evaluation Inspection
Rio Del Oro WWTP
NPDES Permit No. NM0030414
December 2, 2013

Further Explanations:

Note: The sections are arranged according to the format of the enclosed EPA inspection checklist (Form 3560-3), rather than being ranked in order of importance.

Section B – Recordkeeping and Reporting Evaluation – Overall Rating of “Marginal”

Permit Requirements for Recordkeeping and Reporting:

The Permit in Part III, Section

Findings for Recordkeeping and Reporting:

The permittee’s benchsheet for pH states, “Standard Methods 19th Edition, Section 4, Electrometric Method, page 65.

According to 40 CFR 136.3, the approved method for pH is:

ion (pH), pH units	etric measurement	B-2000	9 (A or B)	I-1586-85. ²
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The approval date for this method is 2000, whereas the method being used is from 1990. The permittee should correct this on their benchsheet to reflect the appropriate Standard Method Edition along with the current method (4500-H+).

Section D – Self Monitoring – Overall Rating of “Marginal”

The permit requires in Part I, Section A., Effluent Limitations and Monitoring Requirements, that Biochemical Oxygen Demand 5-day (BOD₅) and Total Suspended Solids be a 3-hour composite sample type.

The permit requires in Part I, Section A., Effluent Limitations and Monitoring Requirements, footnote #2:

TRC shall be measured during periods when chlorine is used as either backup bacteria control or when disinfection of plant treatment equipment is required. Regulations at 40 CFR 136 define “instantaneous grab” as analyzed within 15 minutes of collection. The effluent limitation for TRC is the instantaneous maximum and cannot be averaged for reporting purposes. The Minimum Quantification Level (MQL) for TRC is 33 ug/l. If any individual test result for TRC is less than the MQL, a value of zero (0) may be used.

The permit requires in Part III.D.5. Additional Monitoring by the Permittee:

If the permittee monitors any pollutant more frequently than required by this permit, using test procedures approved under 40 CFR 136 or as specified by this permit, the results of this monitoring shall be included in the calculations and reporting of the data submitted in the Discharge Monitoring Report (DMR). Such increased monitoring frequency shall also be indicated on the DMR.

Findings for Self-Monitoring:

The permittee typically cleans their membranes bi-annually. Household grade bleach is being used. In 2013, this process was done on two days, November 14 and 15, 2013. The permittee failed to grab samples during this time for Total Residual Chlorine.

The permittee is currently submitting 6 hour composite samples to the commercial laboratory for analysis. The permit requires only a 3-hour composite sample be submitted. The permittee should review all monitoring requirements to ensure the correct sample type is being collected.

Although the permittee is submitted all results on their DMR, they have not provided the actual number of samples being collected. For example, the DMR has a column for “frequency of analysis” and the permittee only has the measurement frequency required by the permit rather than the actual number of samples taken for that month (duplicates included).

DMR CALCULATION CHECK

MAY 2013

BOD

Sample Date:	Daily Flow (MGD)	BOD (mg/l)	Calculated Daily Load
05/01/2013	.1380	5.0	$(.1380) (5.0) (8.34) = 5.7546$
05/08/2013	.1856	6.0	$(.1856) (6.0) (8.34) = 9.287$
05/15/2013	. 165 1500	5.0	$(.1651500) (5.0) (8.34) =$ 6.6726.255
Calculated Monthly Average (Loading):	$5.7546 + 9.287 + 6.672255 = 21.7136 - 21.2966 / 3 = 7.24 - 10$ lbs/day		
Calculated Monthly Average (Conc.):	$5.0 + 6.0 + 5.0 = 16.0 \text{ mg/L} / 3 = 5.33 \text{ mg/L}$		
Reported on DMR	7-D average conc. = 6.10 mg/L 30-D average conc. = 5.28 mg/L 7-D average loading = 9.44 lbs/d 30-D average loading = 6.93 lbs/d		

TSS

Sample Date:	Daily Flow (MGD)	TSS (mg/l)	Calculated Daily Load
05/01/2013	.1380	4.0	$(.1380) (4.0) (8.34) = 4.604$
05/08/2013	.1856	4.0	$(.1856) (4.0) (8.34) = 6.192$
05/15/2013	. 1600 1500	4.0	$(.1600.1500) (4.0) (8.34) =$ 5.3345.004
Calculated Monthly Average (Loading):	$4.604 + 6.192 + 5.3385.004 = 5.378 - 15.8 / 3 = 5.27 \text{ lbs/d}$		
Calculated Monthly Average (Conc.)	$4.0 + 4.0 + 4.0 = 12.0 / 3 = 4.0 \text{ mg/L}$		
Reported on DMR	7-D average conc. = 4.0 mg/L 30-D average conc. = 4.0 mg/L 7-D average loading = 6.19 lbs/d 30-D average loading = 5.20 lbs/d		