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RYAN FLYNN
Cabinet Secretary
BUTCH TONGATE
Deputy Secretary

Certified Mail – Return Receipt Requested

July 18, 2016

Mr. Michael Sloane, Division Chief
Hatchery Management Division
New Mexico Department of Game and Fish
One Wildlife Way
PO Box 25112
Santa Fe, NM 87504

Re: New Mexico Department of Game and Fish/Red River State Trout Hatchery; Minor; Individual Permit; SIC 0921; NPDES Compliance Evaluation Inspection; NPDES #NM0030147; June 30, 2016

Dear Mr. Sloane:

Enclosed please find a copy of the report and checklist for the referenced inspection that the New Mexico Environment Department (NMED) conducted at your facility on behalf of the US 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.

Introduction, treatment scheme, and problems noted during this inspection are discussed in the "Further Explanations" section of the inspection report.

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)
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

If you have any questions about this inspection report, please contact Sarah Holcomb at 505-827-2798 or at sarah.holcomb@state.nm.us.

Sincerely,

/s/ Bruce Yurdin

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

cc: Carol Peters-Wagnon, USEPA (6EN-WM) by e-mail
Gladys Gooden-Jackson, USEPA (6EN-WC) by e-mail
Brent Larsen, USEPA (6WQ-PP) by e-mail
Racquel Douglas, USEPA (6EN-WM) by e-mail
NMED District 2, Bob Italiano 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 N	2 5	3 N	M	0	0	3	0	1	4	7	11	12	1	6	0	6	3	0	17	18 C	19 S	20 2		
Remarks																								
S T A T E F I S H H A T C H E R Y																								
Inspection Work Days						Facility Evaluation Rating						BI	QA	-----Reserved-----										
67						70 4						71 N	72 N	73	74	75	80							

Section B: Facility Data

Name and Location of Facility Inspected (For industrial users discharging to POTW, also include POTW name and NPDES permit number) NMDGF Red River State Trout Hatchery, Red River, Taos County, NM: From Taos, travel north on US 64, continue north on NM 522, turn northwest on to NM 515, travel approximately 2 miles to the hatchery.	Entry Time /Date 1300 / 6-30-2016	Permit Effective Date 2-1-2012
	Exit Time/Date 1430 / 6-30-2016	Permit Expiration Date 1-31-2017
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s) Mr. Daniel Evans, Facility Manager (575) 586-0222 Mr. Paul Erker, Assistant Manager	Other Facility Data	
Name, Address of Responsible Official/Title/Phone and Fax Number Mr. Michael Sloane, Division Chief, Fisheries Management Division, NMDGF PO Box 25112, Santa Fe, NM 87504	Outfalls: 001 (N. 36.683767°, W. -105.651953°) 002 (N. 36.683281°, W. -105.652931°) 003 (N. 36.682942°, W. -105.653872°)	SIC 0921
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)

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

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

- The inspector arrived at the Red River Hatchery at approximately 1300 hours on June 30, 2016. She conducted an entrance interview with Mr. Daniel Evans, Hatchery Manager, where she made introductions, presented her credentials and explained the purpose of the inspection. Mr. Michael Sloane, NMDGF Hatchery Management Division Chief, and Mr. Roddy Gallegos, Fisheries Management Division Assistant Chief, were also at the facility on other business, and the inspector discussed the inspection with them as well. An exit interview to discuss preliminary findings of the inspection was conducted at approximately 1420 hours on June 30, 2016 with Mr. Evans and Mr. Paul Erker, Assistant Hatchery Manager.
- Please see the report for further discussion.

Name(s) and Signature(s) of Inspector(s) Sarah Holcomb /s/ Sarah Holcomb	Agency/Office/Telephone/Fax 505-827-2798	Date 7-18-2016
Signature of Management QA Reviewer Bruce Yurdin /s/ Bruce Yurdin	Agency/Office/Phone and Fax Numbers 505-827-2795	Date 7-18-2016

SECTION A - PERMIT VERIFICATION

PERMIT SATISFACTORILY ADDRESSES OBSERVATIONS DETAILS: S M U NA (FURTHER EXPLANATION ATTACHED No)

- 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. DETAILS: S M U NA (FURTHER EXPLANATION ATTACHED Yes)

- 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. 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. DETAILS: S M U NA (FURTHER EXPLANATION ATTACHED No)

- 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 No.)
 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: Permittee stated that the staff gage in the C series raceways needs adjustment because it is reading about 1/2 in too high.

1. PRIMARY FLOW MEASUREMENT DEVICE PROPERLY INSTALLED AND MAINTAINED. Y N NA
 TYPE OF DEVICE Cipoletti Weirs (Outfall 001 – 3 ft., Outfall 002 – 1 ft., Outfall 003 – 2 ft.)

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 No.)
 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 NA

3. SATISFACTORY CALIBRATION AND MAINTENANCE OF INSTRUMENTS AND EQUIPMENT. S M U NA

4. QUALITY CONTROL PROCEDURES ADEQUATE. S M U NA

5. DUPLICATE SAMPLES ARE ANALYZED. 10 % OF THE TIME. Y N NA

6. SPIKED SAMPLES ARE ANALYZED. 100 % OF THE TIME. Y N NA

7. COMMERCIAL LABORATORY USED. Y N NA

LAB NAME NM Scientific Laboratory Division Huther and Associates, Inc.
 LAB ADDRESS 1101 Camino de Salud NE, Albuquerque, NM 87102 1156 N. Bonnie Brae, Denton, TX 76201
 PARAMETERS PERFORMED TSS, Al, Mn, Nutrients WET

SECTION G - EFFLUENT/RECEIVING WATERS OBSERVATIONS. S M 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	
002	None	None	None	None	None	Clear	
003	None	None	None	None	None	Clear	

RECEIVING WATER OBSERVATIONS

SECTION H - SLUDGE DISPOSAL

SLUDGE DISPOSAL MEETS PERMIT REQUIREMENTS. S M U NA (FURTHER EXPLANATION ATTACHED No).
 DETAILS: Mortalities are composted with wood chips during summer behind "A" raceways. In winter, mortalities are disposed in a dumpster.

1. SLUDGE MANAGEMENT ADEQUATE TO MAINTAIN EFFLUENT QUALITY. S M U NA

2. SLUDGE RECORDS MAINTAINED AS REQUIRED BY 40 CFR 503. 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 No).

1. SAMPLES OBTAINED THIS INSPECTION. Y N 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

**Compliance Evaluation Inspection
Red River State Fish Hatchery
NPDES Permit #NM0030147
June 30, 2016**

Introduction

On June 30, 2016, Sarah Holcomb of the New Mexico Environment Department (NMED) Surface Water Quality Bureau (SWQB) conducted a Compliance Evaluation Inspection (CEI) at the New Mexico Department of Game and Fish (NMDGF) Red River State Trout Hatchery approximately 3.5 miles southwest of Questa, New Mexico in Taos County.

The facility is classified as a minor industrial discharger under the federal Clean Water Act, Section 402, of the National Pollutant Discharge Elimination System (NPDES) permit program. It is assigned NPDES permit number NM0030147 which regulates discharge from three outfalls (001, 002 and 003) to the Red River in Segment 20.6.4.122 *State of New Mexico Standards for Interstate and Intrastate Surface Waters, 20.6.4 New Mexico Administrative Code* (NMAC) in the Rio Grande Basin. This segment includes the designated uses of coldwater aquatic life, fish culture, irrigation, livestock watering, wildlife habitat and primary contact.

The NMED performs a certain number of CEIs each year for the U.S. Environmental Protection Agency (USEPA), Region VI. The purpose of this inspection is to provide the USEPA with information to evaluate the Permittee's compliance with the NPDES permit. This inspection report is based on information provided by the Permittee's representatives, observations made by the NMED inspector, and records and reports kept by the Permittee and/or NMED.

The inspector arrived at the facility at approximately 1300 hours on the day of this inspection. Ms. Holcomb made introductions, presented credentials and explained the purpose of the inspection to Mr. Daniel Evans, Hatchery Manager. Mr. Michael Sloane, FMD Division Chief, and Mr. Roddy Gallegos, FMD Assistant Division Chief, were also at the hatchery on other business. The inspector and Mr. Evans toured the facility. An exit interview to discuss preliminary findings was conducted with Mr. Evans and Mr. Paul Erker, Assistant Hatchery Manager, on site at approximately 1420 hours. The inspector left the facility at approximately 1430 hours.

Treatment Scheme

A hatchery has been on site since 1941. Disinfection of the hatchery occurred in 2004 following discovery of whirling disease. It is now renovated with fully covered raceways. It is operating at full capacity. It produces about 1.7 million trout a year. It is the state's largest production hatchery and currently is raising triploid (sterile) trout so no interbreeding with native fish will occur.

The flow-through hatchery has a hatch house, three sets of covered raceways ("A", "B" and "C") and a public exhibition pond or "show pond." Rainbow trout eggs are incubated in the hatch house, then upon reaching certain size are transferred first to "A" raceways, then "B", and then "C". A fourth uncovered raceway "D" exists at the facility, but is no longer used. Fish mortalities are composted with wood chip or mulch materials in a separate lined pit north of the "A" raceways, approximately 550 feet from the Red River. Expansion of the raceways is not planned.

Water from onsite warm springs is blended with one cold water spring located in Questa and piped to the facility. Water gravity flows from the A raceway to the B raceway to the C raceway. The water discharges from a drain line at Outfall 001. This outfall is the major discharge point to the river. A diversion is located after the B raceway to provide water to the show pond that has a drain line that discharges at Outfall 002. Each raceway is equipped with a standpipe that is closed except when the raceway is cleaned. Raceways are cleaned three days a week on the current schedule. Intake flows are not diverted from the raceways during cleaning (scraping), but the standpipe in the raceways is removed. Removing the standpipe allows the flow and waste solids to flow to two settling ponds operated in series (first upper, then lower pond). The outlet pipe from the lower pond discharges at Outfall 003.

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 A – Permit Verification Evaluation – Overall rating of “Satisfactory”

The permit states in Part III.A.4:

If the permittee wishes to continue an activity regulated by the permit after the expiration date of this permit, the permittee must apply for and obtain a new permit. The application shall be submitted at least 180 days before the expiration date of this permit. The Director may grant permission to submit an application less than 180 days in advance but no later than the permit expiration date. Continuation of expiring permits shall be governed by regulations promulgated at 40 CFR Part 122.6 and any subsequent amendments.

Findings for Permit Verification:

The inspector made note to permittee representatives that the permit’s expiration date is on January 31, 2017, and therefore the permit reapplication materials must be sent in to the EPA Region 6 and NMED offices by July 31, 2016. Onsite permittee representatives on the day of the inspection were unsure of the progress on this issue.

Section B – Recordkeeping and Reporting Evaluation – Overall rating of “Satisfactory”

The permit states in Part III.D.9:

Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Director, it shall promptly submit such facts or information.

Findings for Recordkeeping and Reporting:

During review of the facility’s records, the inspector noted that in reporting pH values for the month of August 2015, it appeared that a transcription error may have been made for the lower limit. The lower pH value reported was 8.12 SU, but the value recorded on the facility’s DMR was 8.32 SU. An amendment to the DMR for this month should be made.

Official Photograph Log

Photo # 1

Photographer: Sarah Holcomb	Date: 6-30-2016	Time: 1335 hours
City/County: Near Questa, Taos County		
Location: Red River State Trout Hatchery		
Subject: Outfall 001		



Official Photograph Log

Photo # 2

Photographer: Sarah Holcomb	Date: 6-30-2016	Time: 1337 hours
City/County: Near Questa, Taos County		
Location: Red River State Trout Hatchery		
Subject: Outfall 002		



Official Photograph Log

Photo # 3

Photographer: Sarah Holcomb	Date: 6-30-2016	Time: 1339 hours
City/County: Near Questa, Taos County		
Location: Red River State Trout Hatchery		
Subject: Outfall 003		

