



NEW MEXICO  
ENVIRONMENT DEPARTMENT



*Surface Water Quality Bureau*

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SARAH COTTELL  
Deputy Secretary

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**Certified Mail - Return Receipt Requested**

September 23, 2010

Mr. Michael Sloane  
Chief of Fisheries Division  
State of New Mexico  
Department of Game & Fish  
P.O. Box 25112  
Santa Fe, New Mexico 87504

**RE: Major-Non-Municipal; SIC 0921; NPDES Compliance Evaluation; Los Ojos State Fish Hatchery; NM0030139; September 8, 2010**

Dear Mr. Sloane:

Enclosed, please find a copy of the report 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.

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 to modify your operational and/or administrative procedures, as appropriate.

I want to thank Mr. Roddy Gallegos for his cooperation during this inspection. If you have any questions, please feel free to contact me at the above address or by telephone at (505) 827-2575.

Sincerely,

*/s/Daniel Valenta*

Daniel J. Valenta  
Surface Water Quality Bureau

xc: Marcia Adams, USEPA (6EN-AS) via e-mail  
Samuel Tates, USEPA (6FS) via e-mail  
Carol Peters-Wagnon, USEPA (6EN-WM) via e-mail  
Larry Giglio, USEPA (6EN-PP) via e-mail  
Diana McDonald (6ENWM) via e-mail  
NMED, District II, Santa Fe via 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 3 9 11 12 1 0 0 9 0 8 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 0 0 1 69	70 3	71 N	72 N	73	74 75 M i n o r 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)  <b>State of New Mexico Department of Game and Fish, Los Ojos State Trout Hatchery, NM0030139. From State 84/64, approximately 2 miles south of Los Ojos, south on Co Rd 340, turn left at State Hatchery Sign, to the end of the road. Rio Arriba County</b>	Entrance Time/Date <b>1322/ 09-08-2010</b>	Permit Effective Date <b>09-1-2006</b>
	Exit Time/Date <b>1640/09-08-2010</b>	Permit Expiration Date <b>8-31-2011</b>
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s) <b>Mr. Roderick Gallegos, Assistant Chief of Fisheries/505-588-7307 Tim Sintas, Assistant Production Manager/ 505-588-7307 Nile Carver, Assistant Distribution Manager/505-588-7307 Susan Beaver, Wildlife Culturist I/505-588-7307</b>	Other Facility Data SIC 0921  Outfall 001: 36 43' 09.14" N -106 34' 39.38" W  Outfall 002: 36 43' 02.07" N -106 34' 36.40" W	
Name, Address of Responsible Official/Title/Phone and Fax Number  <b>Michael Sloane//Chief-Fisheries Division State of New Mexico Department of Game &amp; Fish, P.O. Box 25112, Santa Fe, New Mexico 87504, 505-476-8055</b>	Contacted Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

#### Section C: Areas Evaluated During Inspection

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

S	Permit	U	Flow Measurement	S	Operations & Maintenance	N	CSO/SSO
M	Records/Reports	S	Self-Monitoring Program	N	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)

1. SEE REPORT AND NARRATIVE.

Name(s) and Signature(s) of Inspector(s)  DANIEL J. VALENTA /s/Daniel Valenta	Agency/Office/Telephone/Fax  NMED/SWQB 505-827-2575	Date  9/23/2010
Signature of Management QA Reviewer  RICHARD E. POWELL /s/Richard E. Powell	Agency/Office/Phone and Fax Numbers  NMED/SWQB 505-827-2798	Date  9/23/2010

## 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.

 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 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 **Only Outfall 001 in use.**  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 YES.)  
 DETAILS:

1. PRIMARY FLOW MEASUREMENT DEVICE PROPERLY INSTALLED AND MAINTAINED.  Y  N  NA  
 TYPE OF DEVICE **Flow is measured by height of head over weir, 2' Cipoletti Weir, Outfall 001.**

2. FLOW MEASURED AT EACH OUTFALL AS REQUIRED.  Y  N  NA  
**Outfall 002 has no flow measurement device. Not in use at the present time.**

3. SECONDARY INSTRUMENTS (TOTALIZERS, RECORDERS, ETC.) PROPERLY OPERATED AND MAINTAINED.  Y  N  NA

4. CALIBRATION FREQUENCY ADEQUATE. **Weir has not been checked for accuracy.**  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. **Reflective wave from weir bounces the water level +/- 0.25'**  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. 0 % OF THE TIME.  Y  N  NA
- 7. COMMERCIAL LABORATORY USED.  Y  N  NA

LAB NAME Huther & Associates, Inc. Whole Effluent Toxicity Scientific Laboratory Division TSS  
 LAB ADDRESS 1156 North Bonnie Brae 700 Camino de Salud, NE  
 PARAMETERS PERFORMED Denton, Texas 76201 Albuquerque, NM 87196

**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	no	no	no	no	no	clear	

RECEIVING WATER OBSERVATIONS No smell was detected at outfalls.

**SECTION H - SLUDGE DISPOSAL**

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

- 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: \_\_\_\_\_ (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  
Los Ojos State Trout Hatchery  
NPDES Permit NM0030139  
September 8, 2010**

**Introduction**

On September 8, 2010 a Compliance Evaluation Inspection (CEI) was conducted at the State of New Mexico Los Ojos Hatchery located 2 miles south of Los Ojos, New Mexico by Daniel Valenta and Sandra Gabaldon of the New Mexico Environment Department (NMED). The Los Ojos State Trout Hatchery has a design flow of 3.32 MGD, and is classified as a industrial discharger under the federal Clean Water Act, Section 402 National Pollutant Discharge Elimination System (NPDES) permit program and is assigned permit #NM0030139.

The Los Ojos Hatchery is permitted to discharge into an unnamed irrigation ditch, thence to Upper Burns Lake/Burns Canyon Lake (a.k.a Upper Laguna del Campo and Laguna del Campo), thence to the La Puente Irrigation Ditch, thence to the Rio Chama in Segment 20.6.4.119 NMAC (*State of New Mexico Standards for Interstate and Intrastate Surface Waters*). Designated uses of the Rio Chama are domestic water supply, fish culture, high quality coldwater aquatic life, irrigation, livestock watering, wildlife habit, and secondary contact.

The NMED performs a certain number of CEI's for the U.S. Environmental Protection Agency (USEPA) each year. The purpose of this inspection is to provide USEPA with information to evaluate the permittee's compliance with the NPDES permit. This report is based on review of files maintained by the permittee and NMED, on-site observation by NMED personnel, and verbal information provided by the permittee's representatives.

An entrance interview was conducted with Mr. Roderick Gallegos, Assistant Chief of Fisheries at approximately 1322 hours on September 8, 2010. The inspector made introductions, presented his credentials and discussed the purpose of the inspection. An exit interview to discuss the preliminary findings of the inspection was conducted at approximately 1640 hours on September 8, 2010 with Messrs Gallegos and Sintas at the hatchery office.

**Treatment Scheme**

The Los Ojos Hatchery normally raises rainbow trout (fry, fingerlings, subcatchables, and catchable) and Kokanee salmon (fry, fingerlings, and subcatchables). However, in September 2005 all the raceways were shut down for fish production in response to the detection of whirling disease. The upper raceways A, B, & C have been cleaned and covered with a metal roof, the sides fenced in to prevent any outside contact with the fish and the spread of disease. At the time of this inspection the hatchery was raising rainbow trout in this area in order to test for any remaining whirling disease. Kokanee salmon fry are being hatched and raised in an enclosed hatchery building.

Water is supplied by several natural springs located on-site and sent through an aeration system. During normal fish production activities, water flows into the A-B-C raceways, exits and flows into an enclosed concrete settling basin (where solids from A-B-C settle) then enters D-battery. The D-battery contains a water re-circulation/aeration system and a pump sump channel (located at the downstream end). Wastewater from the pump channel is no longer discharged into the Parkview Ditch. Flow through water from D-Battery can be directed to either the J-battery below or Outfall 001.

**Compliance Evaluation Inspection  
Los Ojos State Trout Hatchery  
NPDES Permit NM0030139  
September 8, 2010**

The J-battery at the time of the inspection was not being used and dry. This area is to be roofed and enclosed. Until then water is only being discharged to outfall 001. Outfall 001 discharges through a Cipoletti type weir to an unnamed irrigation ditch that flows into Burns Canyon Lake, which is located about ¼ mile below the outfall. At the present time there is no device in place to measure the discharge from Outfall 002 which discharges into the Parkview Irrigation Channel.

**Compliance Evaluation Inspection  
Los Ojos State Trout Hatchery  
NPDES Permit NM0030139  
September 8, 2010**

**Further Explanations**

**Section B – Recordkeeping and Reporting Evaluation “Marginal”**

DMR Calculation Check of TSS: Reporting Period: January, February, and March 2010

Reported Values Outfall 002	TSS (lbs/day) Daily Ave	TSS (lbs/day) Daily Max.	TSS (mg/l) Daily Ave	TSS (mg/l) Daily Max.
January 2010	57.93	64.85	< 3.0	< 3.0
February 2010	43.31	<b>63.41</b>	< 3.0	< 3.0
March 2010	55.48	67.66	< 3.0	< 3.0

January 6, 2010 (Sample One) = (2.039 MGD) (< 3 mg/l) (8.34) = 51.02 lbs/day  
 January 19, 2010 (Sample Two) = (2.592 MGD) (< 3 mg/l) (8.34) = 64.85 lbs/day

Lbs/day Average = (Sample One + Sample Two)/2 = (51.02 lbs/day + 64.85 lbs/day) / 2 = 57.93 lbs/day

February 2, 2010 (Sample One) = (1.731 MGD) (< 3 mg/l) (8.34) = 43.31 lbs/day  
 February 16, 2010 (Sample Two) = (1.731 MGD) (< 3 mg/l) (8.34) = 43.31 lbs/day

Lbs/day Average = (Sample One + Sample Two)/2 = (43.31 lbs/day + 43.31 lbs/day) / 2 = 43.31 lbs/day

March 2, 2010 (Sample One) = (1.731 MGD) (< 3 mg/l) (8.34) = 43.31 lbs/day  
 March 16, 2010 (Sample Two) = (2.704 MGD) (< 3 mg/l) (8.34) = 67.65 lbs/day

Lbs/day Average = (Sample One + Sample Two)/2 = (43.31 lbs/day + 67.65 lbs/day) / 2 = 55.48 lbs/day

- The value reported for TSS Daily Maximum for February 2010 was incorrect. Reported value, 63.41, calculated value, 43.31 should have been reported. The other values for TSS during this time period were reported correctly.**

**Compliance Evaluation Inspection  
 Los Ojos State Trout Hatchery  
 NPDES Permit NM0030139  
 September 8, 2010**

**Section E-Flow Measurements: Overall rating of “Unsatisfactory”**

The permit requires: Part I, A, 1,” *During the period beginning the effective date of the permit and lasting through the expiration date of the permit (unless otherwise noted),the permittee is authorized to discharge treated wastewater to an unnamed irrigation ditch, thence to Upper Burns Lake1 Bums Canyon Lake, thence to La Puente Irrigation Ditch thence to the Rio Chama, in Segment Number 20.6.4.1 19, from Outfalls 001 and 002 (See Part 11). Such discharges shall be limited and monitored by the permittee and reported as Outfall 001, as specified below:*

<i>Pollutant</i>	<i>Daily Ave</i>	<i>Daily Max</i>	<i>Daily Ave</i>	<i>Daily Max</i>	<i>Frequency</i>	<i>Sample Type</i>
<i>Flow</i>	<i>Report MGD</i>	<i>Report MGD</i>	***	***	<i>Once/Day</i>	<i>Weir Collection System Total Flow</i>

- 1. The permit requires the daily recording of discharges. A record review was completed for the months of January, February, and March 2010. During the month of January the discharge volumes from Outfall 001 were recorded only the first 19 days of the month, frequency 19/31. For the month of February discharge volumes from Outfall 001 were recorded only the first 16 days of the month, frequency 16/28. Discharge volumes were recorded throughout the month of March, frequency 31/31.**
- 2. The permittee submitted information on the DMR for the months of January and February that did not reflect the actual documented discharge flows. Corrected DMR’s need to be submitted to the EPA and State of NM Environment Dept.**