



**NEW MEXICO
ENVIRONMENT DEPARTMENT**
Surface Water Quality Bureau



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JOHN A. SANCHEZ
Lieutenant Governor

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RYAN FLYNN
Cabinet Secretary-Designate

BUTCH TONGATE
Deputy Secretary

ERIKA SCHWENDER
Director
Resource Protection Division

Certified Mail - Return Receipt Requested

December 3, 2013

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: Seven Springs State Fish Hatchery; Minor; Individual Permit; SIC 0921; NPDES Compliance Evaluation Inspection; NPDES # NM0030112; November 5, 2013

Dear Mr. Sloane:

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.

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 to modify your operational and/or administrative procedures, as appropriate. 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)
1445 Ross Avenue, Suite 120
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

NMDGF Seven Springs Hatchery

December 3, 2013

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If you have any questions about this inspection report, please contact Daniel Valenta at (505) 827-2575 or daniel.valenta@state.nm.us.

Sincerely,

/s/Bruce Yurdin

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

Cc: Rashida Bowlin, USEPA (6EN-AS) by e-mail
Carol Peters, USEPA (6EN-WM) by e-mail
Larry Giglio, USEPA (6WQ-PP) by e-mail
Racquel Douglas, USEPA (6EN-WM) by e-mail
Gladys Gooden-Jackson, USEPA (6EN-WC) by e-mail
NMED District I, William Chavez 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 1 2	11 12 1 3 1 1 0 5 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 (<i>For industrial users discharging to POTW, also include POTW name and NPDES permit number</i>)	Entry Time /Date 1118/11-5-2013	Permit Effective Date 11-1-2013
STATE OF NEW MEXICO, DEPARTMENT OF GAME & FISH/ SEVEN SPRINGS STATE FISH HATCHERY, FROM FENTON LAKE APPROXIMATELY 2 MILES NORTH ON 126, P.O. BOX 25112, SANTA FE, NM 87504 SANDOVAL COUNTY	Exit Time/Date 1420/11-5-2013	Permit Expiration Date 10-30-2018
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s) TONY JACOBSON, HATCHERY MANAGER, 575-829-3740/ fax 575-829-3740 JOE KOSALKO, FISH CULTURIST I, 575-829-3740/ fax 575-829-3740	Other Facility Data OUTFALL 001 35 55 33.70 N 106 42 21.18 W OUTFALL 002 35 55 34.42 N 106 42 17.82 W SIC Code 0921	
Name, Address of Responsible Official/Title/Phone and Fax Number MICHAEL SLOANE/ CHIEF-FISHERIES DIVISION/ STATE OF NEW MEXICO, DEPARTMENT OF GAME & FISH, P.O. BOX 25112, SANTA FE, NEW MEXICO 87504, 505-476-8055	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	S	Flow Measurement	S	Operations & Maintenance	N	CSO/SSO
M	Records/Reports	U	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	M	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 12/3/2013
Signature of Management QA Reviewer SARAH HOLCOMB /s/Sarah Holcomb	Agency/Office/Phone and Fax Numbers NMED/SWQB 505-827-2798	Date 12/3/2013

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 NAb) NAME OF INDIVIDUAL PERFORMING SAMPLING **Name of individual sampling not found on the TRC form.** Y N NAc) ANALYTICAL METHODS AND TECHNIQUES **Analytical method used not found on TRC & pH form.** Y N NA

d) RESULTS OF ANALYSES AND CALIBRATIONS.

 Y N NA

e) DATES AND TIMES OF ANALYSES.

 Y N NAf) NAME OF PERSON(S) PERFORMING ANALYSES. **Name of individual needed on the TRC form.** 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 NA3. STANDBY POWER OR OTHER EQUIVALENT PROVIDED. **Standby Generator Available** 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 **Day/time when samples taken needs review.** 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 **Flow is monitored by measurement of head over the weir.**
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. 0 % OF THE TIME. **No Duplicate Samples Taken, Repeat Finding** 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	
002	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
Seven Springs State Fish Hatchery
NPDES Permit #NM0030112, November 5, 2013**

Introduction

On November 5, 2013 a Compliance Evaluation Inspection (CEI) was conducted at the State of New Mexico/Seven Springs State Fish Hatchery located 2 miles north of Fenton Lake, New Mexico by Daniel Valenta and Sandra Gabaldon of the New Mexico Environment Department (NMED). The Seven Springs State Fish Hatchery has a design flow of 0.913 MGD, and is classified as a minor industrial discharger under the federal Clean Water Act, Section 402 National Pollutant Discharge Elimination System (NPDES) permit program and is assigned permit # NM0030112.

This permit allows discharges to receiving waters named Rio Cebolla, thence to the Jemez River, thence to the Rio Grande, in Segment No. 20.6.4.108 NMAC of the Rio Grande Basin. Designated uses of Water Quality Segment 20.6.4.108 are domestic water supply, fish culture, high quality coldwater aquatic life, irrigation, livestock watering, wildlife habitat 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. Joe Kosalko, Fish Culturist I, at approximately 1118 hours on November 5, 2013. The inspectors made introductions, presented their credentials and discussed the purpose of the inspection. An exit interview to discuss the preliminary findings of this inspection was conducted at approximately 1420 hours on November 5, 2013 with Mr. Joe Kosalko at the hatchery office.

Treatment Scheme

The Seven Springs Hatchery is a production facility for the Rio Grande Cutthroat Trout with an estimated annual rate that may vary of 24,500 pounds of fish production. On site are two kid's fishing ponds and one solids sediment pond. The water source for this hatchery is from natural springs, which flow through the facility to the kid's ponds or to the settling pond thence to the Rio Cibolla. Nitrogen gas is flushed from the incoming spring water and oxygen added. The Facility has two permitted outfalls. Outfall 001 is a square weir box that inflows to the kid's pond. Overflow from the solids settling pond discharges through a square weir box to Outfall 002.

Fish are raised in large tanks with circulating water in enclosed shelters. There are two cement raceways on site that are not used to raise fish but to display some fish to the public. Overflow water from the tanks passes to the raceways and through Outfall 001 to the Kids Fishing Ponds. When the tanks are flushed of waste or cleaned a valve is opened at each tank and water discharged to the Settling Pond.

**Compliance Evaluation Inspection
Seven Springs State Fish Hatchery
NPDES Permit #NM0030112, November 5, 2013**

Further Explanations

Section B – Recordkeeping and Reporting Evaluation “Marginal”

The permit requires per Part 2. C.4. RECORD CONTENTS

Records of monitoring information shall include:

- a. The date, exact place, and time of sampling or measurements;*
- b. The individual(s) who performed the sampling or measurements;*
- c. The date(s) and time(s) analyses were performed;*
- d. The individual(s) who performed the analyses;*
- e. The analytical techniques or methods used; and*
- f. The results of such analyses.*

The permit requires per Part 2. C.5. MONITORING PROCEDURES

- a. Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedure have been specified in this permit or approved by the Regional Administrator.*
- b. The permittee shall calibrate and perform maintenance procedures on all monitoring and analytical instruments at intervals frequent enough to insure accuracy of measurements and shall maintain appropriate records of such activities.*
- c. An adequate analytical quality control program, including the analyses of sufficient standards, spikes, and duplicate samples to insure the accuracy of all required analytical results shall be maintained by the permittee or designated commercial laboratory.*

Finding:

- The approved EPA Standard Method for Hydrogen ion (pH) is 4500-H+ and for Total Residual Chlorine is 4500-CL. If these methods are used it should be noted on the bench sheet.
- The name of the sampler and the person completing the test was not noted on the TRC bench sheet.
- The permit requires treating for Total Chlorine not Combined Chlorine. The facility has been reporting Combined Chlorine.

Section D-SELF-MONITORING “Unsatisfactory”

The permit requires per Part I. A. 1. Footnote 2, LIMITATIONS AND MONITORING REQUIREMENTS

The permit requires per Part I.A.2. Footnote 2, LIMITATIONS AND MONITORING REQUIREMENTS

**Compliance Evaluation Inspection
Seven Springs State Fish Hatchery
NPDES Permit #NM0030112, November 5, 2013**

The first sample event of any reporting period shall be at least 10-days from the first sample event of the previous reporting period. Sampling shall be during times of cleaning of raceways, troughs and/or tanks.

The permit requires per Part I.A.2. Footnote 5, LIMITATIONS AND MONITORING REQUIREMENTS for TSS, SS, and TRC.

Grab sample shall be taken approximately 30-minutes after the expected time of arrival of the treated water has passed through the outfall. The expected time of arrival can be determined by direct observation by the use of a floatable marker such as wooden blocks.

Finding:

The month of October 2013 was reviewed to verify the above requirements were being complied with. Rearing unit 8-1 was cleaned on the 5th, 17th, and the 24th, (see photo 1). Samples were taken at Outfall 001 on the 1st, 13th, 20th, and the 23th, (see photo 2). There appears to be no correlation between when cleaning events occur and samples are taken. Staff personnel were unaware of this permit requirement.

Section F – Laboratory: Overall rating of “Marginal”

1. Permit requires, in Part III.C.5.c. Monitoring Procedures: *“An adequate analytical quality control program, including the analyses of sufficient standards, spikes and duplicate samples to insure the accuracy of all required analytical results shall be maintained by the permittee or designated commercial laboratory.”*

Finding:

This is a repeat finding. There may be some staff confusion concerning the difference between permit sampling requirements and an adequate analytical quality control program. An appropriate quality assurance-quality control program should include (10%) duplicate sample analyses. Duplicate samples should be collected for all parameters required in the permit.

**NMED/SWQB
Official Photograph Log**

Photo # 1

Photographer: Daniel Valenta	Date: October 5, 2013	Time: 1320 hours
City/County: Jemez Springs/Sandoval County		
Location: 346 Forest Road 314,		
Subject: Picture of monthly cleaning form for rearing Unit 8-1. Note days when cleaning occurred.		

MONTHLY REARING FORM

REARING PERIOD: FROM 10, 1, 13 TO 10, 31, 13
 REARING UNIT: 8-1
 VOLUME (m³): _____ FLOW _____ SIZE _____
 BROOD YEAR: 2011 ORIGIN: Palaciento-Frijoles

END OF LAST REARING PERIOD: NO. LIVE 801

DAY OF MO.	NO. OF LIVE FISH	NO. OF FISH DEAD	TOTAL FEED FED(Kg)	% BODY WT. FED per DAY	TYPE OF FEED	SIZE	%	SIZE	%
1	801	2							
2		0							
3		0							
4		0	9.0						
5	Clean	0	250 ppm formalin						
6		0	250 ppm formalin						
7		0							
8		0							
9		0							
10		0	9.0						
11		0							
12		0							
13		0							
14		0							
15		0							
16		0							
17	Clean	0							
18		0							
19		0							
20		0							
21		0							
22		0							
23		0							
24	Clean	0							
25		0							
26		0	Screen cleaned inside tank						
27		0							
28		0	9.0						
29		0							
30		0							
31		0							

COMMENTS: 10/5/13: 4.8 Liters formalin
10/6/13: 4.8 liters formalin

NMED/SWQB Official Photograph Log

Photo # 2

Photographer: Daniel Valenta	Date: October 5, 2013	Time: 1321 hours
City/County: Jemez Springs/Sandoval County		
Location: 346 Forest Road 314,		
Subject: Picture of October 2013 sampling log. Note days when samples were taken.		

Seven Springs Hatchery
Effluent Compliance Sampling Log
Date: October 2013

Standard methods for the examination of waste water 21st edition, pH (4500-H+ B), temperature (2550) & settleable solids (2540 Fa)
Make and model of pH meter: Hanna HI 98124
Priority Pollutant Scan: initial sample within 6 months then once during duration of permit.
Calculation for loading value: Flow (mgd) X Concentration (mg/l) X 8.34.

Exact location : Outfall 001 Brood Pond
Chronic 2X year

Date	daily flow/mgd	daily flow CM	flow gpm	2/mo TSS	Exact Sampling Time pH	Exact Sampling Time residue chlorine	Exact Sampling time settleable solids	2/month residue chlorine	2/month settleable Solids	2/month pH	name of sampler analyst
1	0.0000	2.0	228.3	0.0000							
2	0.0000	1.0	228.3								
3	0.0000	1.0	228.3								
4	0.0000	1.0	228.3								
5	0.0000	1.0	228.3								
6	0.0000	3.0	228.3								
7	0.0000	3.0	228.3								
8	0.0000	2.0	64.0								
9	0.0000	2.0	64.0								
10	0.0000	2.0	64.0								
11	0.0000	2.5	111.5								
12	0.0000	1.5	41.5								
13	0.0000	3.0	228.3		15:35	19:26	13:38		⊙	8.14	Jeff Korman
14	0.0000	2.5	227.9								
15	0.0000	2.5	227.9								
16	0.0000	3.0	228.3								
17	0.0000	4.0	351.4								
18	0.0000	4.0	351.4								
19	0.0000	4.0	351.4			10:02		⊙			
20	0.0000	2.5	227.9								
21	0.0000	4.0	351.4								
22	0.0000	4.0	351.4								
23	0.0000	4.0	351.4	0.0000							
24	0.0000	2.5	227.9								
25	0.0000	2.5	227.9								
26	0.0000	2.5	227.9								
27	0.0000	2.5	227.9		9:03	9:31	9:49	.02	⊙	8.55	Jan Kozak
28	0.0000	3.0	228.3								
29	0.0000	3.0	228.3								
30	0.0000	3.0	228.3								
31	0.0000										
AVERAGES	0.0000	#DIV/0!	#DIV/0!	0.0000					#DIV/0!	#DIV/0!	

Settleable solids analysis time: start: (No less than 60 minutes) 15:45

Settleable solids analysis time: start: (No less than 60 minutes) 9:09 AM

end:

end:

15:00 Date: 10/13/13

10:15 AM Date: 10/27/13

**NMED/SWQB
Official Photograph Log**

Photo # 3

Photographer: Daniel Valenta	Date: October 5, 2013	Time: 1145 hours
City/County: Jemez Springs/Sandoval County		
Location: 346 Forest Road 314, facing southwest.		
Subject: Indoor rearing ponds.		



**NMED/SWQB
Official Photograph Log**

Photo # 4

Photographer: Daniel Valenta	Date: October 5, 2013	Time: 1159 hours
City/County: Jemez Springs/Sandoval County		
Location: 346 Forest Road 314, facing northeast.		
Subject: Seven Springs State Fish Hatchery, settling pond in foreground.		

