



SUSANA MARTINEZ
Governor
JOHN A. SANCHEZ
Lieutenant Governor

NEW MEXICO ENVIRONMENT DEPARTMENT

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RYAN FLYNN
Cabinet Secretary
BUTCH TONGATE
Deputy Secretary

Certified Mail - Return Receipt Requested

August 8, 2014

Mr. Mark Fratrack
Village Administrator
7 Firehouse Road
P.O. Box 100
Taos Ski Valley, New Mexico 87525

Re: **Major Municipal; SIC 4952; NPDES Compliance Evaluation; Village of Taos Ski Valley Wastewater Treatment Plant; NM0022101; July 22, 2014**

Dear Mayor Wilson:

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 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

Mr. Mark Fratrack
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If you have any questions about this inspection report, please contact Daniel Valenta at (505) 827-2575 or at 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
Brent Larsen, USEPA (6WQ) by e-mail
Racquel Douglas, USEPA (6EN-WM) by e-mail
Gladys Gooden-Jackson, USEPA (6EN-WC) by e-mail
NMED District II, Robert Italiano by e-mail

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. 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

Taos Ski Valley NM0022101

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? **Plant uses a carbon feed during off season.** 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:

1. PRIMARY FLOW MEASUREMENT DEVICE PROPERLY INSTALLED AND MAINTAINED. Y N NA
TYPE OF DEVICE **Square Weir Box with 45 degree V Notch**
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. 100 % OF THE TIME. **Duplicate samples not completed for pH.** Y N NA

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

7. COMMERCIAL LABORATORY USED. Y N NA

LAB NAME Hall Environmental Analysis Bio-Aquatics
 LAB ADDRESS 4901 Hawkins NE, Albuquerque, NM 87109 2501 Mayes Rd, Carlton, TX 75006
 PARAMETERS PERFORMED BOD-Total NH3- NM3 Nitrogen-Total Phosphorus WET Test

SECTION G - EFFLUENT/RECEIVING WATERS OBSERVATIONS. S M U NA (FURTHER EXPLANATION ATTACHED YES).

OUTFALL NO.	OIL SHEEN	GREASE	TURBIDITY	VISIBLE FOAM	FLOAT SOL.	COLOR	OTHER
001	no	no	no	no	no	no	

RECEIVING WATER OBSERVATIONS ___ Clear with no smell.

SECTION H - SLUDGE DISPOSAL

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

DETAILS: **Sludge taken to Rio Rancho Landfill.**

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 ___).

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

Village of Taos Ski Valley
Wastewater Treatment Plant
Compliance Evaluation Inspection
NPDES Permit Number NM0022101

Introduction

On July 22, 2014 a Compliance Evaluation Inspection (CEI) was conducted at the Village of Taos Ski Valley Wastewater Treatment Plant (WWTP) NM0022101 by Daniel Valenta and Sandra Gabaldon of the State of New Mexico Environment Department (NMED), Surface Water Quality Bureau (SWQB).

The inspection was conducted by NMED for the US Environmental Protection Agency (USEPA), Region VI, under the NPDES permit program, in accordance with the federal Clean Water Act. These inspections are conducted under contract with the USEPA and are used by EPA to evaluate compliance with the NPDES permit program. This inspection report is based on information supplied by the Village of Taos Ski Valley representatives (the permittee), observations made by the NMED inspector, reports and records kept by the permittee 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 Village of Taos Ski Valley WWTP is classified as a major municipal discharger, with a design flow of 0.167 MGD and with tertiary treatment. The facility discharges treated effluent directly to the Rio Hondo in Water Quality Segment 20.6.4.129. The designated uses for the receiving stream are domestic water supply, high quality coldwater aquatic life, irrigation, livestock watering, wildlife habitat, and primary contact.

Inspection Details

The NMED inspectors arrived at the Village of Taos Ski Valley WWTP at 1440 hours. Lead Inspector Mr. Valenta showed his credentials and explained the purpose of the inspection to Mr. Olaf Mingo, Facility Operator. Mr. Ray Keen, Utilities Director, was notified and arrived shortly afterwards. Following the inspection an exit interview was held at the facility office with Messrs. Mingo and Keen. The Inspector left the Village offices and facilities at 1655 hours.

Treatment Scheme

Wastewater entering the Taos Ski Valley WWTP is domestic and restaurant waste. It flows by gravity through the collection system via eight inch lines. The collection system is subject to high infiltration and inflow (I&I). The ground water is especially high during spring runoff. Wastewater in the collection system flows by gravity to the headworks where an influent Parshall flume and wooden yard stick serves as the staff gauge to measure influent volumes. A new grit removal system with a screw pump and bagging system is on line. The grit is taken to the Taos County landfill after passing the paint filter test for final disposal.

Following the headworks, untreated sewage is sent to the two flow equalization basins. Equalization basins are used to control the volume as it is sent to the next treatment units. One tank is older and constructed of concrete with a hydraulic capacity of 135,000 gallons. The second tank is constructed of steel with a capacity of 250,000 gallons. Both are in-ground and covered.

Village of Taos Ski Valley
Wastewater Treatment Plant
Compliance Evaluation Inspection
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A substantial freeboard is maintained in the tanks to ensure they can adequately handle any excessive I&I during spring and summer months. Diffused aeration helps alleviate the growth of filamentous bacteria in the equalization basins, also preventing the raw sewage from becoming septic and aiding in reduced odors as well. At the present time the steel 250,000 gallon tank is not in use. Solids from the Anoxic selector, backwash from the pressure filters, and liquids from the sludge dewatering process are returned to the equalization basins. After flow equalization, wastewater enters the main treatment building. Influent flow is controlled by a "pinch" valve which can maintain a constant influent flow to the aeration basins.

This facility has four 25 thousand gallon aeration basins operating in series. In the first chamber the coagulant, Polyaluminum Chloride or (PAC) is added to aid in the precipitation and removal of phosphorous. Also introduced into the first chamber is Soda Ash, to normalize the pH. Influent pH is generally between 8 and 9 standard units (s.u.). A continuous readout pH meter is used to control the soda ash feed. When pH approaches 6.0 S.U., soda ash in a 50% solution is dripped into the tank to increase the pH to 7.0. The effluent pH is close to 7.0 s.u., feed tanks for the Polyaluminum Chloride and the Soda Ash, is located above the four basins.

Previously the second and third chambers contained a floating layer of plastic media designed to aid in the coagulation of the phosphorus by creating greater surface area for the reaction between the Polyaluminum Chloride and the dissolved phosphorous in the wastewater. Operators found that these floating media added to the generation of high volumes of solids in the treatment system that were difficult to manage, due to the small size of the two secondary clarifiers. The use of the floating media has been discontinued and removed from the basins. The facility is still able to meet the Phosphorous nutrient removal requirements without the floating media. However in the last year there have been times when the facility exceeded the Ammonia Nitrogen effluent limits. Of the four basins one is maintained in an oxygen deprived state. The anoxic basin has a Dissolved Oxygen (DO) concentration of 1.0 mg/L. The aerobic basins have DO concentrations as high as 5.0mg/L.

From the aeration basins, wastewater passes through a splitter box into one of two secondary circular, conal bioclarifiers where settling of the activated sludge takes place. Return activated sludge (RAS) is directed to the first aeration basin. Under normal operating conditions, a four to seven feet sludge level is maintained in these units. The clarifier weirs appeared level and no short circuiting was observed. Floating materials are moved into a scum pit using a scum sweep arm. Contents of the scum pit are pumped to the sludge storage tanks.

Wastewater from the bioclarifiers is pumped to two pressure polishing filters which run parallel. These are varying head filters and are backwashed at 10 psi differential. Filter media in both of these units consists of anthracite coal and sand. The filters are backwashed every day. The backwash water is sent up to the EQ basins and mixed with the influent wastewater. Each of these units can be bypassed individually whenever maintenance is needed. After the polishing filters, treated water passes through two ultraviolet disinfection units run in series. Each unit consists of eight bulbs emitting ultraviolet light. The units are attached to a control panel which indicates if a bulb has burned out. There is also an opacity meter to determine when the bulbs need to be cleaned. The bulbs are cleaned by agitating with a weak citric acid solution. Operators also use the records of E coli bacteria concentrations as indicators of need cleaning or replacement of bulbs.

Village of Taos Ski Valley
Wastewater Treatment Plant
Compliance Evaluation Inspection
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Each unit can be cleaned individually so disinfection remains continuous. Disinfection detention time in these units is approximately seven minutes. Effluent water then enters a flow measuring unit consisting of a square weir box which includes a 45° V-notch weir with a staff gauge. The staff gauge, affixed to the side of the square weir box was not easily visible. A secondary ultrasonic flow measuring device is used for reporting purposes. The ultrasonic flow meter gives both an instant flow and totalized flow reading. Effluent samples are collected at this point by a *Hach* composite sampler. Samples are collected as required in the NPDES permit. The sampler can maintain a temperature of 1° C in the refrigerator where the samples are stored. The permit requires that the samples be kept at no higher than 4° C. From the effluent sampling location the flow is discharged to the Rio Hondo.

Sludge

Sludge at this facility is stored in two sludge storage tanks located on the hillside behind the treatment building. The tanks accept sludge from both the bioclarifier and the chemical clarifier. Supernatant is decanted off and re-circulated back to the flow equalization basin for reentry into the treatment building for additional treatment. Solids are pulled out of the storage tanks into a sludge centrifugal dewatering system that produces 20% solids. The pressed solids go up a conveyor belt and are dropped into a tip-off. The tip-off is located in a bunker area that is a sloped cement pad with an under drain. Water entering the drain in the bunker is returned to the EQ basin. Final disposal of the sludge is at the Rio Rancho Land fill.

Village of Taos Ski Valley
Wastewater Treatment Plant
Compliance Evaluation Inspection
NPDES Permit Number NM0022101

Section B – Recordkeeping and Reporting Evaluation

Overall Rating For Recordkeeping and Reporting (Marginal)

Per Part 1.C.7; Monitoring and Reporting (Major Dischargers)

The permittee shall submit a copy of an annual summary of the data that results from whole effluent toxicity testing to:

*Field Supervisor
U.S. Fish and Wildlife Service
New Mexico Ecological Services Field Office
2105 Osuna NE Albuquerque, NM 87113*

*EPA:
Compliance Assurance and Enforcement Division
Water Enforcement Branch (6EN-W)
U.S. Environmental Protection Agency, Region 6
1445 Ross Avenue
Dallas, TX 75202-2733*

*New Mexico:
Program Manager
Surface Water Quality Bureau
New Mexico Environment Department
P.O. Box 5469
1190 Saint Francis Drive
Santa Fe, NM 87502-5469*

*Pueblo of Taos:
Environmental Office Program Manager
Pueblo of Taos
P.O. Box 1846
Taos, NM 87571*

Finding:

- In reviewing the compliance schedule for Whole Effluent Toxicity Testing with Mr. Keen. The question of who was being notified with the results per the above requirements was reviewed. The facility may have been sending annual summaries to the Forest Service not the US Fish and Wildlife Service.

Village of Taos Ski Valley
Wastewater Treatment Plant
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Per Part III.D.11: Signatory Requirements. All applications, reports, or information submitted to the Director shall be signed and certified.

a. ALL PERMIT APPLICATIONS shall be signed as follows:

(3) FOR A MUNICIPALITY, STATE, FEDERAL, OR OTHER PUBLIC AGENCY - by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes:

(a)The chief executive officer of the agency, or

(b)A senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency.

b. ALL REPORTS required by the permit and other information requested by the Director shall be signed by a person described above or by a duly authorized representative of that person. A person is a duly authorized representative only if:

(1) The authorization is made in writing by a person described above;

(2) The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of plant manager, operator of a well or a well field, superintendent, or position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. A duly authorized representative may thus be either a named individual or an individual occupying a named position; and,

(3) The written authorization is submitted to the Director.

Finding:

- Reports received from the Taos Ski Valley WWTP are signed by Mr. Rey Keen, Public Works Director. A review of NMED files found no authorization from either a principal executive officer or ranking elected official to authorize Mr. Keen or the position Public Works Director the authority to sign reports, see above.
- The EPA is encouraging permittees to transition from submitting DMRs as paper copies to the NetDMR system. Mr. Keen has found the NET DMR system to be very difficult to use and prefers the paper DMR's. Information on the NetDMR training information can be found at: <http://epa.gov/netdmr/about/training.html>

Village of Taos Ski Valley
Wastewater Treatment Plant
Compliance Evaluation Inspection
NPDES Permit Number NM0022101

Effluent/Receiving Waters

Overall Rating For Effluent/Receiving Waters (Marginal)

The permit requires in Part I.A. Effluent Limitations And Monitoring Requirements:

	Lbs/Day 30Day Avg	Lbs/Day Daily Max	Lbs/Day 7Day Avg	Mg/L 30 Day Avg	Mg/L Daily Max	Mg/L 7 Day Avg
<i>Ammonia Nitrogen November1-April30</i>	5.34	NA	5.34	3.2	NA	3.2
<i>Ammonia Nitrogen May1-October 31</i>	5.34	NA	5.34	3.2	NA	3.2

Permit requirements for Effluent / Receiving Waters in the permit that became effective October 1, 2011

Findings for Effluent / Receiving Waters

- Reviewing DMR results back to May 2012 only two exceedences were reported. Exceedences were reported during the month of December 2013 for ammonia-nitrogen.

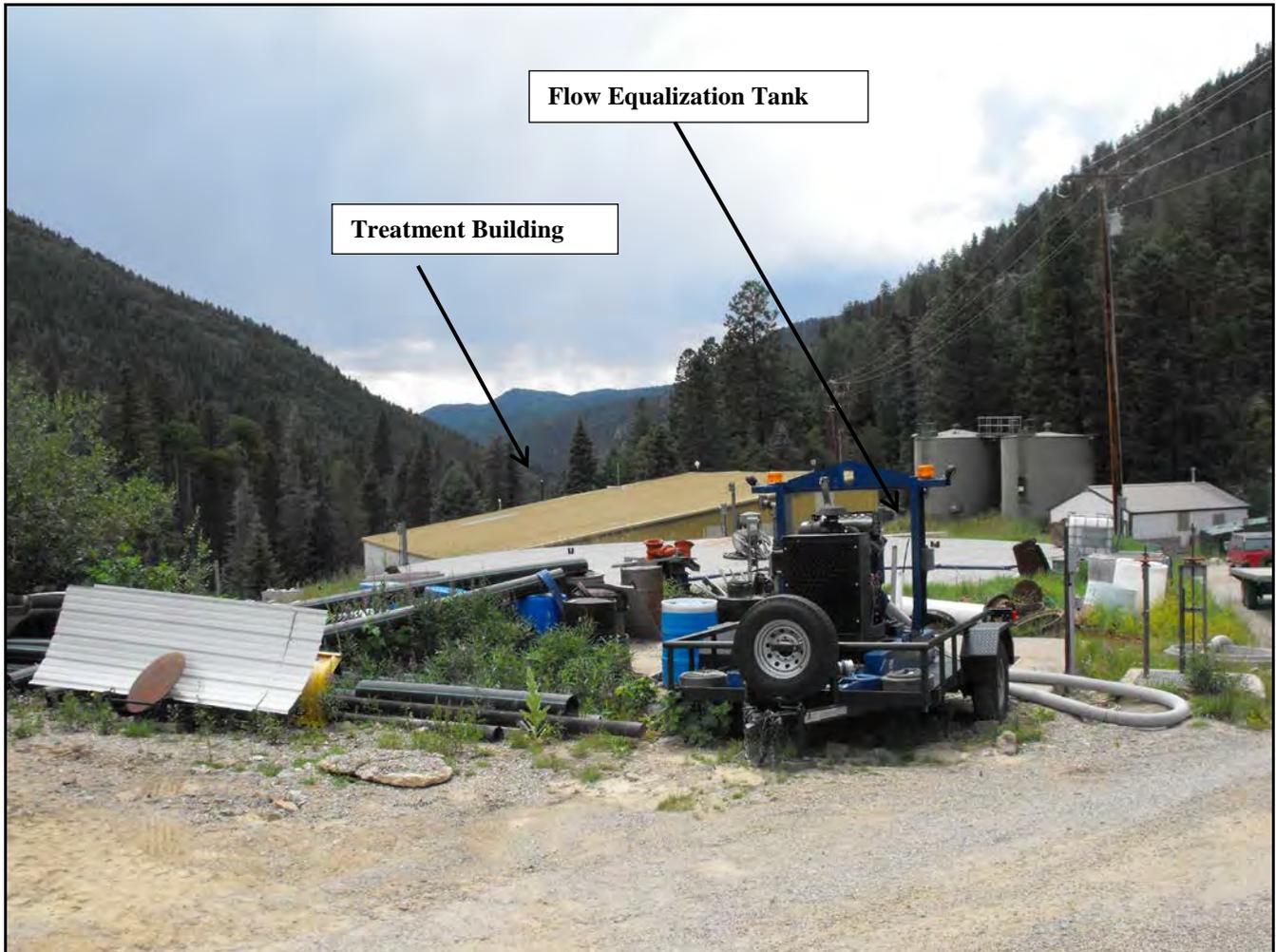
Date	Pollutant	Permit Limit	Concentration Reported on DMRs
December 2013	Ammonia- Nitrogen	7 Day Avg 5.34 mg/L	7.87 mg/L
December 2013	Ammonia- Nitrogen	Max Sample 3.2 mg/L	11.0 mg/L

The exceedences of effluent limits occurred during the high flow portion of the year in the middle of winter when biological activity is at a low point. This exceedences were reported to NMED by phone and a report submitted, see attached.

**NMED/SWQB
Official Photograph Log**

Photo # 1

Photographer: Daniel Valenta	Date: 7/22/2014	Time: 1458 hours
City/County: Village of Taos Ski Valley/Taos County		
Location: Twining Wastewater Treatment Plant, 36 Ocean Blvd, Village of Taos Ski Valley, 87525		
Subject: Village of Taos Ski Valley Waste Water Treatment Facility		



**NMED/SWQB
Official Photograph Log**

Photo # 2

Photographer: Daniel Valenta	Date: 7/22/2014	Time: 1542 hours
City/County: Village of Taos Ski Valley/Taos County		
Location: Twining Wastewater Treatment Plant, 36 Ocean Blvd, Village of Taos Ski Valley, 87525		
Subject: Inside treatment building of Village of Taos Ski Valley Waste Water Treatment Facility		



**NMED/SWQB
Official Photograph Log**

Photo # 2

Photographer: Daniel Valenta	Date: 7/22/2014	Time: 1506 hours
City/County: Village of Taos Ski Valley/Taos County		
Location: Twining Wastewater Treatment Plant, 36 Ocean Blvd, Village of Taos Ski Valley, 87525		
Subject: Outfall of treatment facility to Rio Honda.		





Taos Ski Valley Monitoring
NM022101



7 Firehouse Road
Post Office Box 100
Taos Ski Valley
New Mexico 87525

(575) 776-8220
(575) 776-1145 Fax

E-mail: vtsv@vtsv.org
Web Site: vtsv.org

MAYOR:
Neal King

COUNCIL:
Kathleen V. Bennett
J. Christopher Stagg
Barbara L. Wiard
Thomas P. Wittman

**VILLAGE
ADMINISTRATOR:**
Mark G. Fratrack

CLERK/TREASURER:
Vanessa N. Chisholm

Program Manager
Surface Water Quality Bureau
New Mexico Environment department
P.O. Box 5469
1190 Saint Francis Drive
Santa Fe, NM 87502-5469

REPORT OF NON-COMPLIANCE

The permittee shall report any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall be provided within 5 days of the time the permittee becomes aware of the circumstances.

Oral Response 1-505-827-0212 (Barbara Cooney NMED Co-ordinator)

Permit # NM0022101

1) Description of noncompliance and its cause;

On December 29, 2013 the Village of Taos Ski Valley composited and sent effluent sample to Hall Environmental. On Jan. 8, 2014 we received lab results that showed an excursion of ammonia concentration of 11.0 mg/l and Total Nitrogen of 12.0 mg/l

Cause: we believe that a 5-6 degree C drop in temperature of our wastewater after Thanksgiving was the cause for the loss of nitrification. Our basin temperatures were around 11-12 degrees C before Thanksgiving and immediately afterwards they started dropping and reached temperatures of 6.7 degrees C before they started to climb back up. The resort closes down their operation Mon-Wed for the period between Thanksgiving and before Christmas and we noticed this drop in temperature to be consistent with our spike in Ammonia. When they resumed full operation before Christmas, this is when the excursion occurred.

2) The period of noncompliance including exact dates and times;

The sample was composited on Dec. 29, 2013 between the hours of 10:00 am and 4:00 pm

If the noncompliance has not been corrected, the anticipated time it is expected to continue;

The noncompliance has been resolved

3) Steps being taken to reduce, eliminate, and prevent recurrence of the noncomplying discharge;

On Jan 9, 2014 Public Works Director called NMED co-ordinator Barbara Cooney and EPA Region 6 co-ordinator Alan Vaughn and left messages of violation. The Village has initiated an RFP for general engineering services to plan and design wastewater improvements that will address these issues.

Signed: Raymond Keen

date: 01/09/2014