



REGION 6
1445 ROSS AVENUE
DALLAS, TEXAS 75202-2733

NPDES Permit No NM0022101

AUTHORIZATION TO DISCHARGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of the Clean Water Act, as amended, (33 U.S.C. 1251 et. seq; the "Act"),

Village of Taos Ski Valley
38 Ocean Blvd.
Taos Ski Valley, NM 87525

is authorized to discharge to receiving waters named Rio Hondo, of the Rio Grande Basin in the Waterbody Segment Code No. 20.6.4.129, from a facility located at 38 Ocean Blvd., Taos Ski Valley in Taos County, New Mexico.

The discharge is located on that water at the following coordinates:

Outfall 001: Latitude 36° 35' 46" North and Longitude 105° 27' 38" West

in accordance with this cover page and the effluent limitations, monitoring requirements, and other conditions set forth in Part I, Part II, Part III, and Part IV hereof.

This permit supersedes and replaces NPDES Permit No. NM0022101 issued August 4, 2011.

This permit shall become effective on

This permit and the authorization to discharge shall expire at midnight,

Issued on

Prepared by

William K. Honker, P.E.
Director
Water Division (6WQ)

Jim Afghani
Environmental Engineer
Permitting Section (6WQ-PP)

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PART I – REQUIREMENTS FOR NPDES PERMITS

A. LIMITATIONS AND MONITORING REQUIREMENTS

1. Effluent Limits – 0.167 MGD Design Flow

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 municipal wastewater to the Rio Hondo, in Segment Number 20.6.4.129, from Outfall 001. Such discharges shall be limited and monitored by the permittee as specified below:

EFFLUENT CHARACTERISTICS		DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS	
		Standard Units			
POLLUTANT	STORET CODE	MINIMUM	MAXIMUM	MEASUREMENT FREQUENCY	SAMPLE TYPE
pH	00400	6.6	8.8	Five/week	Grab

EFFLUENT CHARACTERISTICS		DISCHARGE LIMITATIONS							
		lbs/day, unless noted			mg/L, unless noted (*1)			MONITORING REQUIREMENTS	
POLLUTANT	STORET CODE	30-DAY AVG	DAILY MAX	7-DAY AVG	30-DAY AVG	DAILY MAX	7-DAY AVG	MEASUREMENT FREQUENCY	SAMPLE TYPE
Flow	50050	Report MGD	Report MGD	Report MGD	N/A	N/A	N/A	Daily	Totalizing Meter
Biochemical Oxygen Demand, 5-day	00310								
November 1- April 30		23.8	N/A	35.7	30	N/A	45	Twice/Month (*2)	Grab
May 1 - October 31		23.8	N/A	35.7	30	N/A	45	Once/Month	Grab
Total Suspended Solids	00530								
November 1- April 30		23.8	N/A	35.7	30	N/A	45	Twice/Month (*2)	Grab
May 1 - October 31		23.8	N/A	35.7	30	N/A	45	Once/Month	Grab
Biochemical Oxygen Demand, 5-day, minimum % removal	≥85%	N/A	N/A	N/A	N/A	N/A	N/A	Once/Month	Calculation (*8)
Total Suspended Solids minimum % removal	≥85%	N/A	N/A	N/A	N/A	N/A	N/A	Once/Month	Calculation (*8)
<i>E. coli</i> Bacteria	51040	N/A	N/A	N/A	126 (*3)	235 (*3)	N/A	Twice/Month (*2)	Grab

Fecal Coliform Bacteria	74055	N/A	N/A	N/A	200 (*3)	400 (*3)	N/A	Twice/Month (*2)	Grab
Total Residual Chlorine	50060	N/A	N/A	N/A	N/A	19 µg/l	N/A	Five/Week	Instantaneous Grab (*4)
Ammonia-Nitrogen	00610	5.34	N/A	5.34	3.2	N/A	3.2	Twice/Month (*2)	6-Hour Composite
November 1- April 30		5.34	N/A	5.34	3.2	N/A	3.2	Once/Month	6-Hour Composite
May 1 - October 31									
Total Nitrogen (*5)	00600	13.65	N/A	20.5	8.2	N/A	12.3	Once/Week	6-Hour Composite
November 1- April 30		46.55	N/A	68.8	27.9	N/A	41.2	Once/Month	6-Hour Composite
May 1 - June 30		27.7	N/A	41.6	16.6	N/A	24.9	Once/Month	6-Hour Composite
July 1 - August 31		21.1	N/A	31.7	12.7	N/A	19	Once/Month	6-Hour Composite
September 1 - October 31									
Total Phosphorus	00665	0.8	N/A	1.2	0.5	N/A	0.75	Twice/Month (*2)	6-Hour Composite
November 1- April 30		1.6	N/A	2.4	1.0	N/A	1.5	Once/Month	6-Hour Composite
May 1 - June 30		1.2	N/A	1.8	1.5	N/A	2.25	Once/Month	6-Hour Composite
July 1 - August 31		0.8	N/A	1.2	2.5	N/A	3.75	Once/Month	6-Hour Composite
September 1 - October 31									

EFFLUENT CHARACTERISTICS	DISCHARGE MONITORING		MONITORING REQUIREMENTS	
WHOLE EFFLUENT TOXICITY TESTING (*6) (48-Hour Static Renewal)	30-DAY AVG MINIMUM	48-HR MINIMUM	MEASUREMENT FREQUENCY	SAMPLE TYPE
<i>Daphnia pulex</i>	Report	Report	1/12 months (*7)	24-Hr Composite
<i>Pimephales promelas</i>	Report	Report	1/12 months (*7)	24-Hr Composite

Footnotes:

- *1 See **Appendix A of Part II** of the permit for the required Minimum Quantification Level (MQL).
- *2 Sampling at least ten days apart.
- *3 Colony forming units (cfu) per 100 ml or most probable number (MPN).
- *4 The effluent limitation for TRC is the instantaneous maximum grab sample taken during periods of chlorine use and can not be averaged for reporting purposes. Instantaneous maximum is defined in 40 CFR Part 136 as being measured within 15 minutes of sampling.
- *5 Total Nitrogen is defined as the sum of Total Kjeldhal Nitrogen (as N) and Nitrate-Nitrate (as N). See EPA Methods 351 and 353.
- *6 Monitoring and reporting requirements begin on the effective date of this permit. See PART II, Whole Effluent Toxicity Testing Requirements for additional WET monitoring and reporting conditions.
- *7 The discharge shall be tested between November 1 and April 30.
- *8 Percent removal is calculated using the following equation:

$$[\text{average monthly influent concentration (mg/l)} - \text{average monthly effluent concentration (mg/l)}] \div [\text{average monthly influent concentration (mg/l)}] \times 100.$$

FLOATING SOLIDS, VISIBLE FOAM AND/OR OILS

There shall be no discharge of floating solids or visible foam in other than trace amounts. There shall be no discharge of visible films of oil, globules of oil, grease or solids in or on the water, or coatings on stream banks. Samples taken in compliance with the monitoring requirements specified above shall be taken at the discharge from the final treatment unit prior to the receiving stream.

B. SCHEDULE OF COMPLIANCE

None.

C. MONITORING AND REPORTING (MAJOR DISCHARGERS)

Monitoring information shall be on Discharge Monitoring Report Form(s) EPA 3320-1 as specified in Part III.D.4 of this permit and shall be submitted monthly.

1. The permittee shall effectively monitor the operations and efficiency of all treatment and control facilities and the quantity and quality of the treated discharge.
2. Monitoring information shall be submitted electronically. To submit electronically, access the NetDMR website at www.epa.gov/netdmr and contact the R6NetDMR.epa.gov in-box for further instructions. See Part III, D.4 of the permit.
 - a. Reporting periods shall end on the last day of the month.
 - b. The permittee is required to submit regular monthly reports as described above postmarked no later than the 15th day of the month following each reporting period.
 - c. The annual sludge report required in Part IV of the permit is due on February 19 of each year and covers the previous calendar year from January 1- December 31.
3. If any 30 day average, monthly average or daily maximum value exceeds the effluent limitations specified in Part I.A, the permittee shall report the excursion in accordance with the requirements of Part III.D.
4. Any 30-day average, monthly average, or daily maximum value reported in the required DMR which is in excess of the effluent limitation specified in Part I.A shall constitute evidence of violation of such effluent limitation and of this permit.
5. Other measurements of oxygen demand (e.g., TOC and COD) may be substituted for five-day Biochemical Oxygen Demand (BOD₅) or for five-day Carbonaceous

Biochemical Oxygen Demand (CBOD₅), as applicable, where the permittee can demonstrate long-term correlation of the method with BOD₅ or CBOD₅ values, as applicable. Details of the correlation procedures used must be submitted and prior approval granted by the permitting authority for this procedure to be acceptable. Data reported must also include evidence to show that the proper correlation continues to exist after approval.

6. The permittee shall report all overflows with the DMR submittal. These reports shall be summarized and reported in tabular format. The summaries shall include: the date, time, duration, location, estimated volume, and cause of the overflow; observed environmental impacts from the overflow; actions taken to address the overflow; and ultimate discharge location if not contained (e.g., storm sewer system, ditch, tributary). Any noncompliance which may endanger health or the environment shall also be orally reported to the Pueblo of Taos at (575) 751-4601 and the New Mexico Environment Department at (505) 827-0187, as soon as possible, but within 12 hours from the time the permittee becomes aware of the circumstance. A written report of overflows which endanger health or the environment shall be provided to EPA, Pueblo of Taos, and New Mexico Environment Department within 5 days of the time the permittee becomes aware of the circumstance.
7. The permittee shall submit a copy of an annual summary of the data that results from whole effluent toxicity testing to each of the following entities:

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

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
P.O. Box 1846, Taos, NM 87571

D. OVERFLOW REPORTING

The permittee shall report all overflows with the DMR submittal. These reports shall be summarized and reported in tabular format. The summaries shall include: date, time, duration, location, estimated volume, and cause of the overflow. They shall also include observed environmental impacts from the overflow; actions taken to address the overflow; and, the ultimate discharge location if not contained (e.g., storm sewer system, ditch, and tributary).

Overflows that endanger health or the environment shall be orally reported to EPA at (214) 665-6595, Pueblo of Taos at (575) 751-4601 and NMED Surface Water Quality Bureau at (505) 827-0187, within 12 hours from the time the permittee becomes aware of the circumstance. A written report of overflows that endanger health or the environment shall be provided to EPA, Pueblo of Taos, and NMED Surface Water Quality Bureau within 5 days of the time the permittee becomes aware of the circumstance.

E. POLLUTION PREVENTION REQUIREMENTS

The permittee shall institute a program within 12 months of the effective date of the permit (or continue an existing one) directed towards optimizing the efficiency and extending the useful life of the facility. The permittee shall consider the following items in the program:

- a. The influent loadings, flow and design capacity;
- b. The effluent quality and plant performance;
- c. The age and expected life of the wastewater treatment facility's equipment;
- d. Bypasses and overflows of the tributary sewerage system and treatment works;
- e. New developments at the facility;
- f. Operator certification and training plans and status;
- g. The financial status of the facility;
- h. Preventative maintenance programs and equipment conditions and;
- i. An overall evaluation of conditions at the facility.