

NPDES Permit No. NM0023396



Region 6
1445 Ross Avenue
Dallas, Texas 75202-2733

NPDES Permit No. NM0023396

**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"),

Ramah Water and Sanitation District
Post Office Box 416
Ramah, NM 87321

is authorized to discharge from a facility located at 47A N. Bloomfield, Ramah, McKinley County, New Mexico, into unclassified waters Togeye Drain, thence to Cebolla Creek, thence to the Rio Pescado, thence to the Zuni River, thence to the Little Colorado River of the Colorado River Basin.

Outfall 001: Latitude 35° 07' 45" N, Longitude 108° 30' 07" W

in accordance with effluent limitations, monitoring requirements and other conditions set forth in Parts I, II, III, and IV hereof.

This permit supersedes and replaces NPDES Permit No. NM0023396 issued October 30, 2003.

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 Quality Protection Division (6WQ)

Isaac Chen
Environmental Engineer
Permits & Technical Section (6WQ-PP)

SECTION A. LIMITATIONS AND MONITORING REQUIREMENTS

Final Effluent limits - 0.058 mgd design flow.

During the period beginning on the effective date of this permit and lasting through the expiration date of this permit, the permittee is authorized to discharge 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	9.0	Five/Week	Grab

EFFLUENT CHARACTERISTICS	DISCHARGE LIMITATIONS					MONITORING REQUIREMENTS	
	lbs/day, unless noted		mg/l, unless noted			MEASUREMENT FREQUENCY	SAMPLE TYPE
POLLUTANT	30-DAY AVG	7-DAY AVG	30-DAY AVG	7-DAY AVG	DAILY MAX		
Flow	Report MGD	Report MGD	***	***	***	Once/Day	Instantaneous Grab
Biochemical Oxygen Demand, 5-day (BOD)	14.5	21.7	30	45	N/A	Once/Month	Grab
Total Suspended Solids (TSS)	14.5	21.7	30	45	N/A	Once/Month	Grab
BOD % Removal (*1)	85 %	N/A	N/A	N/A	N/A	Once/Month	Calculation
TSS % Removal (*1)	85 %	N/A	N/A	N/A	N/A	Once/Month	Calculation
<i>E. coli</i> Bacteria (*2)	N/A	N/A	206 (*2)	N/A	940 (*2)	Once/Month	Grab
Total Residual Chlorine	N/A	N/A	N/A	N/A	11 ug/l (*3)	Five/Week	Grab (*3)
Total Dissolved Solids, Water Intake	Report	N/A	Report (*4)	N/A	Report	Once/3-Months	Grab
Total Dissolved Solids, Effluent	Report	N/A	Report (*5)	N/A	Report	Once/3-Months	Grab
Total Dissolved Solids, Net	Report	N/A	400 (*6)	N/A	Report	Once/3-Months	Grab

EFFLUENT CHARACTERISTICS	DISCHARGE MONITORING		MONITORING REQUIREMENTS	
	30-DAY AVG MINIMUM	7-DAY MINIMUM	MEASUREMENT FREQUENCY	SAMPLE TYPE
WHOLE EFFLUENT TOXICITY TESTING (7-Dat Static Renewal)				
Pimephales promelas	Report	Report	Once/First Year of Permit (*7, *8)	24-Hr Composite
Ceriodaphania dubia	Report	Report	Once/First Year of Permit (*7, *8)	24-Hr Composite

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There shall be no discharge of floating solids or visible foam in other than trace amounts.

Sampling Location

Samples taken in compliance with the monitoring requirements specified above shall be taken at the discharge from the final treatment unit prior to mixing with receiving stream water.

Footnotes

*1. % Removal = $(30\text{-Day Ave Influent Conc.} - 30\text{-Day Ave Effluent Conc.}) \div 30\text{-Day Ave Influent Conc.}$

*2. Colony forming units (cfu) per 100 ml or count per 100 ml.

*3. The effluent limitation for TRC is the instantaneous maximum and cannot be averaged for reporting purposes. Instantaneous sample shall mean analyzed within 15-minutes of sample collection.

*4. Report total dissolved solids (TDS) at the intake water to the drinking water plant.

*5. Report TDS at the effluent.

*6. Net TDS shall be reported as the difference between the drinking water intake TDS and the plant discharge TDS. For the purposes of reporting on the DMR, geometric mean may be reported if more than one samples are taken during the reporting period. The facility shall keep a record of the actual drinking water intake TDS values and plant discharge TDS values onsite for inspection. This record shall be continuously maintained for three (3) years, and be made available for inspections by EPA and/or State inspectors

*7. The sample for the first WET test for Outfall 001 shall be taken during the period November 1 and April 30 during the first year of the permit. The permittee shall submit the results of any toxicity testing performed in accordance with the Part II of the Permit. See Part II, Whole Effluent Toxicity Testing Requirements for additional WET monitoring and reporting conditions.

*8. This permit does not establish requirements to automatically increase the WET testing frequency after a test failure, or to begin a toxicity reduction evaluation (TRE) in the event of multiple test failures. However, upon failure of any WET test, the permittee must report the test results to EPA and NMED, Surface Water Quality Bureau, in writing, within 5 business days of notification of the test failure. EPA and NMED will review the test results and determine the appropriate action necessary, if any. (See Part II, Section E)

SECTION B. COMPLIANCE SCHEDULES

None.

SECTION C. MONITORING AND REPORTING (MINOR DISCHARGERS).

Monitoring information shall be on Discharge Monitoring Report as specified in Part III.D.4 of this permit and shall be submitted quarterly. Each quarterly submittal shall include separate forms for each month of the reporting period.

1. Reporting periods shall end on the last day of the months March, June, September, and December.
2. The permittee is required to submit regular quarterly reports as described above postmarked no later than the 28th day of the month following each reporting period.
3. If any 7-day 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, 7-day average, or daily maximum value reported in the required Discharge Monitoring Report 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. NO DISCHARGE REPORTING
If there is no discharge event at this outfall during the sampling month, place an "X" in the NO DISCHARGE box in the Discharge Monitoring Report.

SECTION D. OVERFLOW REPORTING

The permittee shall report all overflows with the Discharge Monitoring Report 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 be made to the EPA at the following e-mail address: R6_NPDES_Reporting@epa.gov, as soon as possible, but within 24-hours from the time the permittee becomes aware of the circumstance. This language supersedes that contained in Part III.D.7 of the Permit. Additionally, oral notification shall also be to the New Mexico Environment Department at (505) 827-0187 as soon as possible, but within 24 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 and the New Mexico Environment Department, within 5 days of the time the permittee becomes aware of the circumstance.

SECTION E. POLLUTION PREVENTION REQUIREMENTS

1. 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.