



**REGION 6**  
**1445 ROSS AVENUE**  
**DALLAS, TEXAS 75202-2733**

**NPDES Permit No. NM0027782**

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## **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"),

New Mexico Water Service Company/ Rio Communities WWTF  
401 Horner Street  
Belen, New Mexico 87002

is authorized to the Lower Peralta Riverside Drain, thence to the Rio Grande in Waterbody Segment Code No. 20.6.4.105 of the Rio Grande Basin from a facility located at 42 Chisum Trail, Rio Communities, Valencia County, New Mexico.

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

Outfall 001: Latitude 34° 37' 58" North and Longitude 106° 44' 29" 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, Part IV hereof.

This permit supersedes and replaces NPDES Permit No. NM0027782 issued November 1, 2007.

This permit shall become effective on

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

Issued on

Prepared by

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Division Director  
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**PART I – REQUIREMENTS FOR NPDES PERMITS**

**SECTION A. LIMITATIONS AND MONITORING REQUIREMENTS**

1. Final Effluent Limits – 0.3 MGD Design Flow

During the period beginning the effective date of the permit and lasting until the expiration date of the permit (unless otherwise noted), the permittee is authorized to discharge to the Lower Peralta Riverside Drain, thence to Rio Grande in Waterbody Segment No. 20.6.4.105 of the Rio Grande Basin from Outfall 001. Such discharges shall be limited and monitored by the permittee as specified below:

EFFLUENT CHARACTERISTICS	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS	
	Standard Units		MEASUREMENT FREQUENCY	SAMPLE TYPE
POLLUTANT	MINIMUM	MAXIMUM		
pH	6.6	9.0	5/Week	Instantaneous Grab <sup>(2)</sup>

EFFLUENT CHARACTERISTICS	DISCHARGE LIMITATIONS						MONITORING REQUIREMENTS	
	lbs/day, unless noted			mg/L, unless noted <sup>(1)</sup>			MEASUREMENT FREQUENCY	SAMPLE TYPE
POLLUTANT	30-DAY AVG	DAILY MAX	7-DAY AVG	30-DAY AVG	DAILY MAX	7-DAY AVG		
Flow	NA	NA	NA	NA	NA	NA	Daily	Totalized
Biochemical Oxygen Demand, 5-day, Influent <sup>(3)</sup>	Report	---	---	---	---	---	2/Month	24-Hr Composite
Biochemical Oxygen Demand, 5-day, Effluent	50	NA	75	20	NA	30	2/Month	24-Hr Composite
Biochemical Oxygen Demand, 5-day, % removal, minimum	≥ 85% <sup>(4)</sup>	---	---	---	---	---	1/Month	Calculation <sup>(4)</sup>

Total Suspended Solids, Influent <sup>(3)</sup>	Report	---	---	---	---	---	2/Month	24-Hr Composite
Total Suspended Solids, Effluent	75	NA	112.6	30	NA	45	2/Month	24-Hr Composite
Total Suspended Solids, % removal, minimum	$\geq 85\%$ <sup>(4)</sup>	---	---	---	---	---	1/Month	Calculation <sup>(4)</sup>
<i>E. coli</i> Bacteria	N/A	N/A	N/A	126 <sup>(5)</sup>	410 <sup>(5)</sup>	NA	2/Month	Grab
Dissolved Oxygen	NA	NA	5.0 <sup>(7)</sup>	NA	NA	NA	5/Week	Instantaneous Grab <sup>(2)</sup>
Total Residual Chlorine	NA	NA	11 $\mu\text{g/l}$ <sup>(6)</sup>	NA	NA	NA	5/Week	Instantaneous Grab <sup>(2,6)</sup>

EFFLUENT CHARACTERISTICS	DISCHARGE MONITORING		MONITORING REQUIREMENTS	
WHOLE EFFLUENT TOXICITY TESTING <sup>(8)</sup> (7-Day Static Renewal)	30-DAY AVG MINIMUM	7-DAY MINIMUM	MEASUREMENT FREQUENCY	SAMPLE TYPE
<i>Ceriodaphnia dubia</i>	Report	Report	Once /Permit Term <sup>(8)</sup>	24-hr Composite
<i>Pimephales promelas</i>	Report	Report	Once /Permit Term <sup>(8)</sup>	24-hr Composite

Footnotes:

- 1 See Part II. Section A. Minimum Quantification Level (MQL) of permit.
- 2 Instantaneous grab samples are to be taken between the times of 10:00 am-2:00 pm.
- 3 Influent samples are to be collected from the facility headworks.
- 4 Percent removal is calculated using the following equation: (average monthly influent concentration – average monthly effluent concentration) ÷ average monthly influent concentration x 100. This data is not required to be submitted but must be made available to EPA or its agents upon request.
- 5 Colony forming units (cfu) per 100 ml or Most Probable Number (MPN).
- 6 The effluent limitation for TRC is the instantaneous grab sample taken during periods of chlorine use and cannot be averaged for reporting purposes.
- 7 Minimum value.
- 8 Once per permit-term. The test shall take place between November 1 and April 30 during the first year of the permit term. 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 failures. However, upon failure of any WET test, the permittee must report the 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.

**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 (MINOR 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 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.