



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

**NPDES Permit No NM0029629**

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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"),

Anthony Water and Sanitation District  
P.O. Box 1751  
Anthony, New Mexico 88021

is authorized to discharge to receiving waters of the Rio Grande in Waterbody Segment Code No. 20.6.4.101 of the Rio Grande Basin, from a facility located at 1155 N. Fourth Street in Anthony, in Dona Ana County, New Mexico.

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

Outfall 001: Latitude 32° 01' 23" North and Longitude 106° 38' 54" 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. NM0029629 issued June 26, 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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William K. Honker, P.E.  
Acting Division Director  
Water Quality Protection Division (6WQ)

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Life Scientist  
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**PART I – REQUIREMENTS FOR NPDES PERMITS**

**SECTION A. LIMITATIONS AND MONITORING REQUIREMENTS**

1. Final Effluent Limits

Beginning the effective date of the permit and lasting until the expiration date of the permit, the permittee is authorized to discharge treated municipal wastewater to the Rio Grande in Waterbody Segment Code No. 20.6.4.101 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			
POLLUTANT	MINIMUM	MAXIMUM	MEASUREMENT FREQUENCY	SAMPLE TYPE
pH	6.6	9.0	Five/week	Grab

EFFLUENT CHARACTERISTICS	DISCHARGE LIMITATIONS						MONITORING REQUIREMENTS	
	lbs/day, unless noted			mg/L, unless noted (*1)				
POLLUTANT	30-DAY AVG	DAILY MAX	7-DAY AVG	30-DAY AVG	DAILY MAX	7-DAY AVG	MEASUREMENT FREQUENCY	SAMPLE TYPE
Flow	Report MGD	Report MGD	Report MGD	N/A	N/A	N/A	Daily	Totalizing Meter
Total Suspended Solids	245.2	N/A	367.8	30	N/A	45	Three/Month	3-Hour Composite
Total Suspended Solids, % removal, minimum	≥ 85% (*2)	N/A	N/A	N/A	N/A	N/A	Once/Month	Calculation (*2)
Biochemical Oxygen Demand, 5-day	245.2	N/A	367.8	30	N/A	45	Three/Month	3-Hour Composite
Biochemical Oxygen Demand, 5-day, % removal, minimum	≥ 85% (*2)	N/A	N/A	N/A	N/A	N/A	Once/Month	Calculation (*2)

Total Residual Chlorine	N/A	N/A	N/A	N/A	19 µg/l	N/A	Five/Week	Instantaneous Grab (*3)
<i>E. coli</i> Bacteria	4.30 (*4)	N/A	N/A	126 (*5)	410 (*5)	N/A	Three/Month	Grab

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

Footnotes:

- \*1 See Part II, Section A, Minimum Quantification Level (MQL) of permit.
- \*2 Percent removal is calculated using the following equation: (average monthly influent concentration – average monthly effluent concentration) ÷ average monthly influent concentration.
- \*3 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.
- \*4 Billion ( $1.0 \times 10^9$ ) cfu/day. The loading limit shall be calculated as follows:  $[\text{Flow in MGD} \times \text{cfu}/100 \text{ mL in effluent} \times 3.79 \times 10^7] / 1.0 \times 10^9$
- \*5 Colony forming units (cfu) per 100 ml.
- \*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 test shall take place between November 1 and April 30. 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.

**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.

**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.  
permit is re-issued.