



REGION 6
1445 ROSS AVENUE
DALLAS, TEXAS 75202-2733

NPDES Permit No NM0029165

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"),

City of Ruidoso Downs and Village of Ruidoso WWTP
313 Cree Meadows Drive
Ruidoso, NM 88345

is authorized to discharge from a facility located at 26675 U.S. Highway 70, in Ruidoso Downs, Lincoln County, New Mexico. The discharge will be to receiving water named Rio Ruidoso, thence to the Rio Hondo, thence to the Pecos River (Segment 20.6.4.208 of the Pecos River Basin), from a point located approximately

Outfall 001: Latitude 33° 21' 38" North and Longitude 105° 32' 35" West

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

This permit supersedes and replaces NPDES Permit No. NM0029165 with an effective date of August 1, 2012.

This permit shall become effective on *SEPTEMBER 1, 2017*

This permit and the authorization to discharge shall expire at midnight, *AUGUST 31, 2022*

Issued on *July 25, 2017*

Prepared by

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Permitting Section (6WQ-PP)

PART I – REQUIREMENTS FOR NPDES PERMITS

A. LIMITATIONS AND MONITORING REQUIREMENTS

1. OUTFALL 001 - FINAL Effluent Limits – 2.7 MGD Peak Month Average Day Flow

During the period 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 domestic wastewater from Outfall 001 to the Rio Ruidoso, thence to the Pecos River (Segment 20.6.4.208 of the Pecos River Basin). Such discharges shall be limited and monitored by the permittee as specified below:

POLLUTANT	DISCHARGE LIMITATIONS MINIMUM	DISCHARGE LIMITATIONS MAXIMUM	MEASUREMENT FREQUENCY	SAMPLE TYPE
pH	6.6 s.u.	8.8 s.u.	Daily	Instantaneous Grab (*5)

POLLUTANT	30-DAY AVG, lbs/day, unless noted	7-DAY AVG lbs/day, unless noted	30-DAY AVG mg/l, unless noted (*1)	7-DAY AVG mg/l, unless noted (*1)	DAILY MAX mg/l, unless noted (*1)	MEASUREMENT FREQUENCY	SAMPLE TYPE
Flow	Report MGD	Report MGD	N/A	N/A	N/A	Daily	Totalized meter
BOD ₅	676	1014	30	45	N/A	once/2 weeks	6-hr Composite
TSS	419	653	18.6	29.0	N/A	once/2 weeks	6-hr Composite
BOD ₅ % removal, minimum	≥85 (*2)	N/A	N/A	N/A	N/A	once/2 weeks	Calculation
TSS % removal, minimum	≥85 (*2)	N/A	N/A	N/A	N/A	once/2 weeks	Calculation
E. coli bacteria (cfu/100 ml or mpn/100 ml)	1.29 x 10 ¹⁰ cfu/day (*11)	N/A	126 cfu/100 ml	N/A	410 cfu/100 ml	once/2 weeks	Grab
TRC	N/A	N/A	N/A	N/A	11 ug/l (*4)	Daily (*3)	Instantaneous Grab (*5)
Phosphorus, total	1.67 (*8)	N/A	Report	N/A	Report	3/month	6-hr Composite
Nitrogen, total (*6)	37.8 (*8)	N/A	Report	N/A	Report	3/month	6-hr Composite
PCBs (*7)	N/A	N/A	N/A	N/A	Report	once/term	Grab
Cadmium	N/A	N/A	N/A	N/A	Report	once/six months	Grab
Cyanide (total recoverable)	N/A	N/A	N/A	N/A	Report	once/six months	Grab
Acrylonitrile	N/A	N/A	N/A	N/A	Report	once/six months	Grab
Benzo(a)anthracene	N/A	N/A	N/A	N/A	Report	once/six months	Grab
Benzo(a)pyrene	N/A	N/A	N/A	N/A	Report	once/six months	Grab
Benzidine	N/A	N/A	N/A	N/A	Report	once/six months	Grab
3,4-benzofluoranthene	N/A	N/A	N/A	N/A	Report	once/six months	Grab

Benzo(k)fluoranthene	N/A	N/A	N/A	N/A	Report	once/six months	Grab
Chrysene	N/A	N/A	N/A	N/A	Report	once/six months	Grab
Hexachlorobenzene	N/A	N/A	N/A	N/A	Report	once/six months	Grab
Heptachlor	N/A	N/A	N/A	N/A	Report	once/six months	Grab

WHOLE EFFLUENT TOXICITY TESTING 7-DAY CHRONIC NOEC FRESHWATER (*10)	NOEC	MEASUREMENT FREQUENCY	SAMPLE TYPE
Ceriodaphnia dubia	Report	once/quarter (*9)	24-hr Composite
Pimephales promelas	Report	once/quarter (*9)	24-hr Composite

Footnotes:

- *1 See **Appendix A of Part II** of the permit for minimum quantification limits.
- *2 Percent removal is calculated using the following equation:

$$[\text{average monthly influent concentration (mg/l)} - \text{average monthly effluent concentration (mg/l)}] \div [\text{average monthly influent concentration (mg/l)}] \times 100.$$
- *3 TRC shall be measured during periods when chlorine is used as either backup bacteria control or when disinfection of plant treatment equipment is required.
- *4 The effluent limitation for TRC is the instantaneous maximum and cannot be averaged for reporting purposes.
- *5 Analyzed within 15 minutes of collection.
- *6 Total Nitrogen is defined as the sum of Total Kjeldahl Nitrogen (as N) and Nitrate-Nitrite (as N).
- *7 PCBs shall be tested using Method 1668A or as revised, as requested by NMED: Chlorinated Biphenyl Congeners in Water, Soil, Sediment and Tissue by High Resolution Gas Chromatography/High Resolution Mass Spectrometry (HRGC/HRMS).
- *8 Loading limit is based on current WLA in TMDL. If average discharge increases, the permittee may request, during permit renewal or permit modification (see Part II.C of this permit), that additional load be permitted consistent with future WLA in TMDL. Limit for Total Nitrogen shall be complied after one year from the permit effective date.
- *9 Once/quarter months shall be for the first year after the permit effective date; if all the test pass, frequencies would be once/6 months for Cd and once/year for Pp for the remaining term. If any WET test fails, frequency returns to once/quarter for the remaining term.
- *10 Monitoring and reporting requirements begin on the effective date of this permit. See Part II of the permit for WET testing requirements for additional WET monitoring and reporting conditions.
- *11 Loading is calculated by multiplying the discharge (in mgd) x bacteria concentration (in cfu/100 mL) x a conversion factor (3.79×10^7)