



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 to receiving waters of the Rio Ruidoso, thence to the Rio Hondo, thence to the Pecos River of the Pecos River Basin in the Waterbody Segment Code No. 20.6.4.208, from a facility located at 26675 U.S. Highway 70, Ruidoso Downs, in Lincoln County, New Mexico.

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

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, Part III, and Part IV hereof.

This permit supersedes and replaces NPDES Permit No. NM0029165 issued July 18, 2007.

This permit shall become effective on August 1, 2012

This permit and the authorization to discharge shall expire at midnight, July 31, 2017

Issued on July 17, 2012

Prepared by

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PART I – REQUIREMENTS FOR NPDES PERMITS

SECTION A. LIMITATIONS AND MONITORING REQUIREMENTS

1. Effluent Limits – 2.7 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 Ruidoso, thence to the Rio Hondo, thence to the Pecos River in Segment Number 20.6.4.208 of the Pecos River 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	8.8	Daily	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	Continuous	Totalizing Meter
Biochemical Oxygen Demand, 5-day	676	N/A	1014	30	N/A	45	Once/Week	6-Hour Composite
Biochemical Oxygen Demand, 5-day, % removal, minimum	≥ 85% (*2)	N/A	N/A	N/A	N/A	N/A	Once/Week	Calculation (*2)
Total Suspended Solids	676	N/A	1014	30	N/A	45	Once/Week	6-Hour Composite

Total Suspended Solids, % removal, minimum	≥ 85% (*2)	N/A	N/A	N/A	N/A	N/A	Once/Week	Calculation (*2)
<i>E. coli</i> Bacteria	N/A	N/A	N/A	126 (*3)	410 (*3)	N/A	Once/Week	Grab
Total Residual Chlorine	N/A	N/A	N/A	N/A	11 µg/l	N/A	Daily	Instantaneous Grab (*4)
Phosphorus, Total	2.16	Report	N/A	0.1	0.15	N/A	Once/Month	24-Hr Composite
Nitrogen, Total, Ti ≥ 13°C (*5, *6, *7)	90.1	Report	N/A	4	4	N/A	Once/2 Weeks	24-Hr Composite
Nitrogen, Total, Ti < 13°C (*5, *6, *8)	135.2	Report	N/A	6	6	N/A	Once/2 Weeks	24-Hr Composite
Nitrogen, Total (*5, *9)	18.9	Report	N/A	1	1.5	N/A	Once/Month	24-Hr Composite
Thallium, Total (*10)	0.37	Report	N/A	10.87 µg/l	16.30 µg/l	N/A	Three/Week	24-Hr Composite
Thallium, Total (*11)	0.02	0.03	N/A	0.89 µg/l	1.33 µg/l	N/A	Three/Week	24-Hr Composite
Cyanide, weak acid dissociable	N/A	N/A	N/A	Report	Report	N/A	Once/Month (*12 *13, *14)	24-Hr Composite
Acrylonitrile	N/A	N/A	N/A	Report	Report	N/A	Once/Month (*12 *13, *14)	24-Hr Composite
Aldrin	N/A	N/A	N/A	Report	Report	N/A	Once/Month (*12 *13, *14)	24-Hr Composite
Heptachlor	N/A	N/A	N/A	Report	Report	N/A	Once/Month (*12 *13, *14)	24-Hr Composite
Heptachlor Epoxide	N/A	N/A	N/A	Report	Report	N/A	Once/Month (*12 *13, *14)	24-Hr Composite
Polychlorinated Biphenyls	N/A	N/A	N/A	Report	Report	N/A	Once (*13, *15)	24-Hr Composite

EFFLUENT CHARACTERISTICS	DISCHARGE MONITORING		MONITORING REQUIREMENTS	
	30-DAY AVG MINIMUM	7-DAY MINIMUM	MEASUREMENT FREQUENCY	SAMPLE TYPE
WHOLE EFFLUENT TOXICITY TESTING (*16) (7-Day Static Renewal)	Report	Report	Once/Quarter (*17)	24-Hr Composite
<i>Ceriodaphnia dubia</i>	Report	Report	Once/Quarter (*17)	24-Hr Composite

EFFLUENT CHARACTERISTICS	DISCHARGE MONITORING		MONITORING REQUIREMENTS	
	30-DAY AVG MINIMUM	7-DAY MINIMUM	MEASUREMENT FREQUENCY	SAMPLE TYPE
WHOLE EFFLUENT TOXICITY LIMITS (PCS 22414) (*18) (7-Day NOEC)	61%	61%	Once/Quarter	24-Hr Composite
<i>Pimephales promelas</i>	61%	61%	Once/Quarter	24-Hr Composite

EFFLUENT CHARACTERISTICS	DISCHARGE MONITORING	MONITORING REQUIREMENTS	
		MEASUREMENT FREQUENCY	SAMPLE TYPE
Expanded Effluent Testing (*19)	Report	1 each in 2 nd , 3 rd , & 4 th year of the permit (*19)	24-Hr Composite (*20)

EFFLUENT CHARACTERISTICS	DISCHARGE MONITORING	MONITORING REQUIREMENTS	
	14-DAY AVG	MEASUREMENT FREQUENCY	SAMPLE TYPE
Influent temperature, °C (*6)	Report	Once/2 Weeks	Grab

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 Colony forming units (cfu) per 100 ml.
- *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 Kjeldahl Nitrogen (as N) and Nitrate-Nitrite (as N). See EPA methods 351 and 353.
- *6 Ti is the "influent temperature," and shall be defined as the 14-day arithmetic average of the influent temperature measured by grab sample at the inlet channel preceding the barscreen of the headworks of the wastewater treatment plant. Ti shall be measured at the frequency of once per day for the 13 preceding days and the day of collection (14 total days) of the Total Nitrogen sample(s) for analysis.
- *7 Interim effluent limitation for Total Nitrogen when Ti is greater than or equal to 13°C effective for the period beginning the permit effective date and lasting through one (1) day prior to the expiration date of this permit.
- *8 Interim effluent limitation for Total Nitrogen when Ti is less than 13°C effective for the period beginning the permit effective date and lasting through one (1) day prior to the expiration date of this permit.
- *9 Final effluent limitation for Total Nitrogen effective on the last day of the permit term.
- *10 Interim effluent limitation for Total Thallium for the period beginning the permit effective date and lasting until three (3) years after the permit effective date.
- *11 Final effluent limitation for Total Thallium effective (3) years after the permit effective date.
- *12 In addition to being reported on DMRs, monthly test results shall be submitted in writing to the Section Chief, NPDES Permits & Technical Section (6WQ-PP), Water Quality Protection Division, U.S. Environmental Protection Agency, Region 6, 1445 Ross Avenue, Dallas, TX 75202-2733 within 30 days of receipt of lab analysis. Test results shall be copied to the EPA Region 6 Water Enforcement Branch and NMED at the addresses specified in Part III.D.4 of this permit.
- *13 The permit will be reopened to establish effluent limitations if the pollutant has a reasonable potential to cause or contribute to an excursion above State Water Quality Standards, or if the permittee does not provide the required sampling results within the allotted time frame.
- *14 For the period beginning the permit effective date and lasting until one (1) year after the permit effective date.
- *15 Samples shall be taken within 30 days of the effective date of this permit. Test results shall be submitted in writing to the NPDES Permits & Technical Section (6WQ-PP), Water Quality Protection Division, U.S. Environmental Protection Agency, Region 6, 1445 Ross Avenue, Dallas, TX 75202-2733 within 90 days of the effective date of the permit. Test results shall be copied to the EPA Region 6 Water Enforcement Branch and NMED at the addresses specified in Part III.D.4 of this permit.
- *16 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.
- *17 Once per quarter. If the first full year of testing, four (4) quarterly tests pass, then the frequency may be reduced to once per six (6) months for *Ceriodaphnia dubia* only. Any failure shall re-establish all tests for the *Ceriodaphnia dubia* test species to once per quarter for the remainder of the permit. The *Ceriodaphnia dubia* test species shall resume monitoring at a once per quarter frequency on the last day of the permit.
- *18 Monitoring and reporting requirements begin on the effective date of this permit. Compliance with the Whole Effluent Toxicity limitations is required as soon as the permit is made effective. See PART II, Whole Effluent Toxicity Testing Requirements for additional WET monitoring and reporting conditions.
- *19 See NPDES Permit Application Form 2A; Tables A.12, B.6, and Part D for the list of pollutants to include in this testing. Samples are to be taken on the same day as the WET test event for that year. The permittee shall report the results as a separate attachment in tabular form sent to the Permits and Technical Assistance Section Chief (6WQ-PP) of the Water Quality Protection Division within 60 days of receipt of the lab analysis.
- *20 Except if required by bacteria, pH, TRC, DO and sulfite, which are grab samples.