



Region 6
1445 Ross Avenue
Dallas, Texas 75202-2733

NPDES Permit No. **NM0023477**

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"),

Village of Fort Sumner Wastewater Treatment Plant
P.O. Box 180
Fort Sumner, NM 88119

is authorized to discharge from a facility located between Salt Cedar Street and Sewer Plant Drive, in De Baca County, New Mexico. The effluent from the plant is discharged into Pecos River in Segment No. 20.6.4.207 at the following coordinates:

Latitude 34° 26' 39" N; Longitude 104° 14' 5" W

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

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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Permits Section (6WQ-PP)

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PART I

SECTION A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS.

1. Effluent limits – 0.21 MGD design flow – OUTFALL 001

During the period beginning on the effective date of this permit and lasting through the expiration date of this permit (unless otherwise noted), the permittee is authorized to discharge treated municipal wastewater to Pecos River, in Segment Number 20.6.4.207, from outfall number 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	Five/Week	Instantaneous Grab

EFFLUENT CHARACTERISTICS	DISCHARGE LIMITATIONS						MONITORING REQUIREMENTS	
	lbs/day, unless noted			mg/l, unless noted			MEASUREMENT FREQUENCY	SAMPLE TYPE
POLLUTANT	30-DAY AVG	DAILY MAX	7-DAY AVG	30-DAY AVG	DAILY MAX	7-DAY AVG		
Flow	Report MGD	Report MGD	Report MGD	***	***	***	Daily	Totalizing Meter
Biochemical Oxygen Demand, 5-day	52.54	N/A	78.81	30	N/A	45	Twice/Month	Grab
Biochemical Oxygen Demand, 5-day % removal, minimum	≥ 85% (1)	---	---	---	---	---	Once/Month	Calculation (1)
Total Suspended Solids	52.54	N/A	78.81	30	N/A	45	Twice/Month	Grab
Total Suspended Solids % removal, minimum	≥ 85% (1)	---	---	---	---	---	Once/Month	Calculation (1)
E. Coli Bacteria	N/A	N/A	N/A	548 (2)	2507 (2)		Twice/Month	Grab
Total Residual Chlorine	N/A	N/A	N/A	N/A	19 ug/l (3)	N/A	Daily (3)	Instantaneous Grab (3)

FINAL Effluent Limits – 0.210 MGD Design Flow – OUTFALL 001 Continued

EFFLUENT CHARACTERISTICS	DISCHARGE MONITORING		MONITORING REQUIREMENTS	
	30-DAY AVG MINIMUM	7-DAY MINIMUM	MEASUREMENT FREQUENCY	SAMPLE TYPE
WHOLE EFFLUENT TOXICITY (PCS 22414) (7-Day NOEC) (4)	37 %	37 %		
<i>Ceriodaphnia dubia</i> (4)	Report	Report	Once/6 Months	24-Hr Composite
<i>Pimephales promelas</i>	Report	Report	Once/6 Months	24-Hr Composite

FOOTNOTES:

1. Percent removal is calculated using the following equation: (average monthly influent concentration – average monthly effluent concentration) ÷ average monthly influent concentration.
2. Colony forming units (cfu) per 100 ml
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. Regulations at 40 CFR Part 136 define "instantaneous grab" as analyzed within 15 minutes of collection. The effluent limitation for TRC is the instantaneous maximum and cannot be averaged for reporting purposes.
4. Monitoring and reporting requirements begin on the effective date of this permit. Compliance with the Whole Effluent Toxicity limitations is required on the effective date of the permit with the exception of the *C. dubia*'s sublethal endpoint which is required to comply 3 years after the effective date of the permit. See PART I, Compliance Schedules, and PART II, Whole Effluent Toxicity Testing Requirements for additional WET monitoring and reporting conditions

There shall be no discharge of oils, scum, grease and other floating materials that would cause the formation of a visible sheen or visible deposits on the bottom or shoreline, or would damage or impair the normal growth, function or reproduction of human, animal, plant or aquatic life.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the discharge from the final treatment unit prior to the discharge into the receiving stream from the following approximate location: Outfall 001.

SECTION B. SCHEDULE OF COMPLIANCE

The permittee shall achieve compliance with the **WET** effluent limitations for the *C. dubia* **sublethal endpoint** specified for discharges in accordance with the following schedule:

<u>ACTIVITY</u>	<u>DATE OF COMPLETION</u>
Achieve Final Effluent Limitations	3 years after permit effective date
a. The permittee shall submit a progress report outlining the status of the activities during the months of <u>January, April, July, and October</u> until compliance is achieved as stated above.	
b. No later than <u>14 calendar days</u> following the date for compliance for <i>C. dubia</i> sublethal endpoint , the permittee shall submit a written notice of compliance or noncompliance. The written notice shall report on all tasks that were done to achieve compliance.	
c. Where the project completion reported is less than would be required to assure compliance by the required date, the report of progress shall also include an explanation for this delay and proposed remedial actions.	

SECTION C. MONITORING AND REPORTING.

1. Monitoring and Reporting
 - a. The permittee shall effectively monitor the operation and efficiency of all treatment and control facilities and the quantity and quality of the treated discharge.
 - b. 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.
 - c. Reporting periods shall end on the last day of the months March, June, September, and December.
 - d. 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.

e. NO DISCHARGE REPORTING

If there is no discharge at Outfall 001 during the sampling month, place an AX@ in the NO DISCHARGE box located in the upper right corner of the Discharge Monitoring Report.

2. If any 7-day average or 30-day average 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.
3. Any 7-day average or 30-day average 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.
4. Other measurements of oxygen demand (e.g., TOC and COD) may be substituted for the five-day Biochemical Oxygen Demand (BOD₅), or for the 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.
5. Overflow Reporting:

The permittee shall report all overflows with the Discharge Monitoring Report submittal. These reports shall be summarized and reported in a tabular format. The summaries shall include: the date, time, duration, location, estimated volume, and cause of the overflow; observed environmental impacts from the overflow; action taken to address the overflow; and ultimate discharge location if not contained (e.g., storm sewer system, ditch, tributary).

Overflows which endanger health or the environment shall be orally reported to EPA at (214) 665-6595, and to the NMED Surface Water Quality Bureau at (505) 827-0187 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 within five (5) days of the time the permittee becomes aware of the circumstance. The written reports shall be sent to both EPA, and the NMED Surface Water Quality Bureau.

6. Copy of Reports and Application to NMED

The permittee shall send a copy of discharge monitoring reports (DMRs), all other reports required in the permit, as well as a copy of application for permit renewal to New Mexico Environment Department at the mailing address listed in Part III of the permit.

