



**Region 6**  
**1445 Ross Avenue**  
**Dallas, Texas 75202-2733**

**NPDES Permit No. NM0029319**

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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"),

Central Consolidated School District No. 22  
583 Road 6100  
Kirtland, NM 87417

is authorized to discharge from a facility located at 583 Road 6100, Kirtland, San Juan County, New Mexico. The effluent from the plant is discharged into San Juan River in Segment No. 20.6.4.401 at the following coordinates:

Latitude 36° 43' 23" N; Longitude 108° 22' 01" 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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William K. Honker, P.E.  
Acting Director  
Water Quality Protection Division (6WQ)

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Nelly Smith  
Environmental Engineer  
Permits Section (6WQ-PP)

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**PART I**

**SECTION A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS.**

**1. Effluent limits – 0.05 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 San Juan River, in Segment Number 20.6.4.401, 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 MGD	Report	Report	Report	***	***	***	Daily	Instantaneous
Biochemical Oxygen Demand, 5-day	12.5	N/A	18.8	30	N/A	45	Once/Month	Grab
Biochemical Oxygen Demand, 5-day % removal, minimum	≥ 85% (1)	---	---	---	---	---	Once/Month	Calculation (1)
Total Suspended Solids	12.5	N/A	18.8	30	N/A	45	Once/Month	Grab
Total Suspended Solids % removal, minimum	≥ 85% (1)	---	---	---	---	---	Once/Month	Calculation (1)
E. Coli Bacteria	0.24 x 10 <sup>9</sup> (2)	N/A	N/A	126 (3)	235 (3)	N/A	Once/Month	Grab
Total Residual Chlorine	N/A	N/A	N/A	N/A	19 ug/l (4)	N/A	Once/3-Months (4)	Instantaneous Grab (4)
Total Dissolved Solids (*5, 6)	Report	N/A	N/A	Report	N/A	N/A	Once/3-Months	Grab
Total Dissolved Solids (*5, 7)	Report	N/A	N/A	Report	N/A	N/A	Once/3-Months	Grab

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**FINAL Effluent Limits – 0.05 MGD Design Flow – OUTFALL 001 Continued**

## 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 day
3. Colony forming units (cfu) per 100 ml
4. 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.
5. In accordance with the "Policy for Implementation of Colorado River Salinity Standards through the NPDES Permit Program", the incremental increase in salinity shall be 400 mg/l or less. The increase shall be measured by calculating the difference of samples collected at the drinking water system intake location and the wastewater discharge outfall. Sampling analysis shall be by either the "calculation method" sum of constituents or the filterable residue method (total dissolved solids [TDS]).
6. Effluent
7. Influent

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**

No compliance schedule is proposed.

**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 28<sup>th</sup> 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 "X" 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 (BOD<sub>5</sub>), or for the five-day Carbonaceous Biochemical Oxygen Demand (CBOD<sub>5</sub>), as applicable, where the permittee can demonstrate long-term correlation of the method with BOD<sub>5</sub> or CBOD<sub>5</sub> 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.