



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

**NPDES Permit No NM0028533**

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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"),

Alto Water Treatment Plant  
Village of Ruidoso  
313 Cree Meadows Drive  
Ruidoso, New Mexico 88345

is authorized to discharge to receiving waters of Eagle Creek of the Waterbody Segment Code No. 20.6.4.98, thence to the Rio Ruidoso, thence to the Rio Hondo of the Pecos River Basin, from a facility located at 103 Via Auguila (formerly Eagle Way) in the City of Ruidoso, in Lincoln County, New Mexico.

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

Outfall 001: Latitude 33° 23' 42" North and Longitude 105° 40' 12" 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 hereof.

This permit supersedes and replaces NPDES Permit No. NM0028533 issued June 26, 2006.

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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Scott W. Stine, Ph.D.  
Life Scientist  
Permits & Technical Section (6WQ-PP)

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**PART I – REQUIREMENTS FOR NPDES PERMITS**

**SECTION A. LIMITATIONS AND MONITORING REQUIREMENTS**

1. Interim Effluent Limits

Beginning the effective date of the permit and lasting until 36 months from the effective date of the permit, the permittee is authorized to discharge treated backwash water to a receiving water named Eagle Creek in Segment Number 20.6.4.98, thence to the Rio Ruidoso, thence to the Rio Hondo, thence to the Pecos River 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	Daily (*1)	Grab

EFFLUENT CHARACTERISTICS	DISCHARGE LIMITATIONS						MONITORING REQUIREMENTS	
	lbs/day, unless noted			mg/L, unless noted (*2)				
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 Average	Estimate
Total Suspended Solids	N/A	N/A	N/A	20	30	N/A	Once/Week	Grab
Selenium, Total	N/A	N/A	N/A	3.33 µg/l	5 µg/l	N/A	Once/Week	Grab
Cadmium, Total	N/A	N/A	N/A	Report	Report	N/A	Once/Week	Grab
Total Residual Chlorine	N/A	N/A	N/A	N/A	11 µg/l	N/A	Once/Week	Instantaneous Grab (*3)
Total Radium	N/A	N/A	N/A	N/A	Report	N/A	Once (*4, 5)	Grab

EFFLUENT CHARACTERISTICS	DISCHARGE MONITORING		MONITORING REQUIREMENTS	
	30-DAY AVG MINIMUM	7-DAY MINIMUM	MEASUREMENT FREQUENCY	SAMPLE TYPE
WHOLE EFFLUENT TOXICITY TESTING (*6) (7-Day Static Renewal)				
<i>Ceriodaphnia dubia</i>	Report	Report	1/Permit Term (*7)	Grab
<i>Pimephales promelas</i>	Report	Report	1/Permit Term (*7)	Grab

Footnotes:

- \*1 When discharging.
- \*2 See Part II, Section A, Minimum Quantification Level (MQL) of permit.
- \*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 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.
- \*5 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.
- \*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 Once per permit-term. The test shall take place between November 1 and April 30 during the first year of the permit term. 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.

2. Final Effluent Limits

Beginning 36 months from the effective date of the permit and lasting until the expiration date of the permit, the permittee is authorized to discharge treated backwash water to a receiving water named Eagle Creek in Segment Number 20.6.4.98, thence to the Rio Ruidoso, thence to the Rio Hondo, thence to the Pecos River 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	Daily (*1)	Grab

EFFLUENT CHARACTERISTICS	DISCHARGE LIMITATIONS						MONITORING REQUIREMENTS	
	lbs/day, unless noted			mg/L, unless noted (*2)				
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 Average	Estimate
Total Suspended Solids	N/A	N/A	N/A	20	30	N/A	Once/Week	Grab
Selenium, Total	N/A	N/A	N/A	3.33 µg/l	5 µg/l	N/A	Once/Week	Grab
Cadmium, Total	N/A	N/A	N/A	0.51 µg/l	0.51 µg/l	N/A	Once/Week	Grab
Total Residual Chlorine	N/A	N/A	N/A	N/A	11 µg/l	N/A	Once/Week	Instantaneous Grab (*3)

EFFLUENT CHARACTERISTICS	DISCHARGE MONITORING		MONITORING REQUIREMENTS	
	30-DAY AVG MINIMUM	7-DAY MINIMUM	MEASUREMENT FREQUENCY	SAMPLE TYPE
WHOLE EFFLUENT TOXICITY TESTING (*4) (7-Day Static Renewal)				
<i>Ceriodaphnia dubia</i>	Report	Report	1/Permit Term (*5)	Grab
<i>Pimephales promelas</i>	Report	Report	1/Permit Term (*5)	Grab

Footnotes:

- \*1 When discharging.
- \*2 See Part II. Section A. Minimum Quantification Level (MQL) of permit.
- \*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 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.
- \*5 Once per permit-term. The test shall take place between November 1 and April 30 during the first year of the permit term. 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**

The permittee shall comply with the following schedule of activities for the attainment of water quality standards-based final effluent limitations for Cadmium at Outfall 001:

1. Determine exceedance cause(s) no later than six (6) months from the effective date of the permit;
2. Develop control options no later than one (1) year from the effective date of the permit;
3. Implement corrective action and attain final effluent limitations no later than three (3) years from the effective date of the permit.

The permittee shall submit quarterly progress reports by January 1, April 1, July 1, and October 1. The requirement to submit quarterly progress reports shall expire three (3) years from the effective date of the permit.

The quarterly progress reports shall include a discussion of the interim requirements that have been completed at the time of the report and shall address the progress towards attaining the water quality standards-based final effluent limitations no later than three (3) years from the effective date of the permit.

Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than fourteen (14) days following each schedule date. Any reports of noncompliance shall include the cause of noncompliance, any remedial actions taken, and the probability of meeting the next scheduled requirement.

Written notices and reports shall be submitted to the EPA and NMED at the addresses specified in Part III.D.4 of this permit.

**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.