



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

**NPDES Permit No. NM0000108**

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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"),

El Paso Electric Company

P.O. Box 982

El Paso, TX 79960-0982

is authorized to discharge from Rio Grande Power Station located at 3501 Doniphan, in Sunland Park, Dona Ana County, New Mexico

to receiving water named Rio Grande in Segment No. 20.6.4.101 of the Rio Grande Basin, from

Outfall 001: Latitude: 31° 48' 13", Longitude: 106° 32' 47"  
Internal Outfall 106: Latitude: 31° 48' 16", Longitude: 106° 32' 52.5"  
Internal Outfall 107: Latitude: 31° 48' 50", Longitude: 106° 32' 53.5"  
Internal Outfall 108: Latitude: 31° 48' 17.4", Longitude: 106° 32' 55.4"  
Outfall 002: Latitude: 31° 48' 16", Longitude: 106° 32' 59"

in accordance with this cover page and effluent limitations, monitoring requirements, and other conditions set forth in Parts I [Requirements for NPDES Permits], II [Other Conditions], and III [Standard Conditions for NPDES Permits] hereof.

This permit supersedes and replaces NPDES Permit No. NM0000108 issued October 27, 2003.

This permit shall become effective on

This permit and the authorization to discharge shall expire at midnight, September 30, 2008.

Issued on

Prepared by

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Miguel I. Flores  
Division Director  
Water Quality Protection Division (6WQ)

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Isaac Chen  
Environmental Engineer  
Permits Section (6WQ-PP)

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PART I – REQUIREMENTS FOR NPDES PERMITS

SECTION A. LIMITATIONS AND MONITORING REQUIREMENTS

1. Outfalls 001 and 002

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 from Outfalls 001 and 002. Such discharges shall be limited and monitored by the permittee as specified below:

EFFLUENT CHARACTERISTICS		DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS	
		Standard Units			
POLLUTANT	STORET CODE	MINIMUM	MAXIMUM	MEASUREMENT FREQUENCY	SAMPLE TYPE
pH	00400	6.6	9.0	1/Week	Grab

EFFLUENT CHARACTERISTICS		DISCHARGE LIMITATIONS				MONITORING REQUIREMENTS	
		lbs/day, unless noted		mg/l, unless noted			
POLLUTANT	STORET CODE	30-Day Avg	Daily Max	30-Day Avg	Daily Max	MEASUREMENT FREQUENCY	SAMPLE TYPE
Flow	50050	Report MGD	Report MGD	***	***	Continuous	Totalizing Meter
Total Suspended Solids	00530	N/A	N/A	30	100	1/Week	24-Hr Composite
Oil and Grease	00556	N/A	N/A	15	20	1/Week	Grab
Total Residual Chlorine (*1)	50060	N/A	N/A	N/A	0.019	1/Week	Grab (*2)
Total Selenium (*1)	01147	N/A	N/A	0.013	0.020	1/Quarter	24-Hr Composite
TDS (*3)	70300	N/A	N/A	Report	Report	1/Month	24-Hr Composite
Sulfate (*3)	00945	N/A	N/A	Report	Report	1/Month	24-Hr Composite
Chloride (*3)	00940	N/A	N/A	Report	Report	1/Month	24-Hr Composite

EFFLUENT CHARACTERISTICS	DISCHARGE MONITORING		MONITORING REQUIREMENTS	
	30-DAY AVG MINIMUM	48-HR MINIMUM	MEASUREMENT FREQUENCY	SAMPLE TYPE
WHOLE EFFLUENT TOXICITY TESTING (*4) (48-Hour Static Renewal)	30-DAY AVG MINIMUM	48-HR MINIMUM	MEASUREMENT FREQUENCY	SAMPLE TYPE
Daphnia pulex	Report	Report	1/6 Months	24-Hr Composite
Pimephales promelas	Report	Report	1/6 Months	24-Hr Composite

## Footnotes:

- \*1 These effluent limitations and monitoring requirements apply to Outfall 002 at all times. In addition, if wastewater is released from Upper Canal to the Lower Canal or emergency RO/DI or Water/Oil separator discharge is released to the Lower Canal and discharges at Outfall 001, effluent limitations and monitoring requirements apply to Outfall 001 until such wastewater is dissipated from the Lower Canal.
- \*2 Sample to be analyzed within 15 minutes of collection. Samples shall be representative of period of chlorination. The effluent limitation for TRC is the instantaneous maximum and cannot be averaged for reporting purposes.
- \*3 Monitor of total dissolved solids (TDS), sulfate, and chloride for the months of March through October.
- \*4 Monitoring requirements apply to Outfall 002 only. But, if wastewater is released from Upper Canal to the Lower Canal or emergency RO/DI or Water/Oil separator discharge is released to the Lower Canal and discharges at Outfall 001, WET test is required at Outfall 001.

SAMPLING LOCATION(S)

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Outfalls 001 and 002.

2. Internal Outfalls 106, 107 & 108

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 metal cleaning wastewater from Internal Outfalls 106, 107 and 108. Such discharges shall be limited and monitored by the permittee as specified below:

EFFLUENT CHARACTERISTICS		DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS	
		Standard Units			
POLLUTANT	STORET CODE	MINIMUM	MAXIMUM	MEASUREMENT FREQUENCY	SAMPLE TYPE
pH	00400	6.0	9.0	1/Day	Grab

EFFLUENT CHARACTERISTICS		DISCHARGE LIMITATIONS				MONITORING REQUIREMENTS	
		lbs/day, unless noted		mg/l, unless noted			
POLLUTANT	STORET CODE	30-Day Avg	Daily Max	30-Day Avg	Daily Max	MEASUREMENT FREQUENCY	SAMPLE TYPE
Flow	50050	Report MGD	Report MGD	***	***	1/Day	Estimate
Total Suspended Solids	00530	N/A	N/A	30	100	1/Day	24-Hr Composite
Oil and Grease	00556	N/A	N/A	15	20	1/Day	Grab
Total Copper	01042	N/A	N/A	1.0	1.0	1/Day	24-Hr Composite
Total Iron	01045	N/A	N/A	1.0	1.0	1/Day	24-Hr Composite

SAMPLING LOCATION(S)

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Internal Outfalls 106, 107, and 108 prior to co-mingling with other waste sources.

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FLOATING SOLIDS OR VISIBLE FOAM

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.

NO DISCHARGE REPORTING

If there is no discharge event at this outfall during the sampling month, place an "X" in the NO DISCHARGE box located in the upper right corner of the preprinted Discharge Monitoring Report.

B. REPORTING OF MONITORING RESULTS (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.

C. 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.