



Region 6
1445 Ross Avenue
Dallas, Texas 75202-2733

NPDES Permit No. NM0028100

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"),

Rio Grande Resources Corporation

P.O. Box 1150

Grants, NM 87020

is authorized to discharge from Mt. Taylor Mine located in San Mateo, Cibola County, New Mexico, through an outfall located in McKinley County

to receiving water named unnamed arroyo to San Miguel Creek, thence to Arroyo Chico, thence to Rio Puerco, and thence to Rio Grande in Waterbody Segment No. 20.6.4.105 of Rio Grande Basin, from

Outfall 001: Latitude: 35° 24' 00", Longitude: 107° 38' 24"

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. NM0028100 issued on March 30, 2005.

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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Division Director
Water Quality Protection Division (6WQ)

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

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 Outfall 001. 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/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	***	***	Continuous	Totalizing Meter
Total Suspended Solids	00530	N/A	N/A	20	30	1/Day	Grab
Chemical Oxygen Demand	00340	N/A	N/A	100	125	1/Day	Grab
Ra226 (dissolved)	09503	N/A	N/A	3 pCi/l	10 pCi/l	1/Day	Grab
Total Ra226	09501	N/A	N/A	10 pCi/l	30 pCi/l	1/Day	Grab
Total Ra226+Ra228	11503	N/A	N/A	20 pCi/l	30 pCi/l	1/Day	Grab
Total Uranium	22706	N/A	N/A	2.0	4.0	1/Day	Grab
Total Zinc	01092	N/A	N/A	0.5	1.0	1/Day	Grab
Total Aluminum	01105	N/A	N/A	3.3	5.0	1/Day	Grab
Total Boron	01022	N/A	N/A	0.5	0.75	1/Day	Grab
Total Cadmium	01027	N/A	N/A	0.06	0.1	1/Day	Grab
Total Chromium	01034	N/A	N/A	0.32	0.48	1/Day	Grab
Total Cobalt	01037	N/A	N/A	0.033	0.05	1/Day	Grab
Total Copper	01042	N/A	N/A	0.35	0.53	1/Day	Grab

Total Mercury	71900	N/A	N/A	0.51 µg/l	0.77 µg/l	1/Day	Grab
Total Molybdenum	01062	N/A	N/A	0.67	1.0	1/Day	Grab
Total Selenium	01147	N/A	N/A	3.3 µg/l	5.0 µg/l	1/Day	Grab
Total Vanadium	01087	N/A	N/A	0.067	0.1	1/Day	Grab
Total Alpha	80029	N/A	N/A	10 pCi/l	15 pCi/l	1/Day	Grab
E. coli	51040	N/A	N/A	126 cfu/100 ml	410 cfu/100 ml	1/Day	Grab

EFFLUENT CHARACTERISTICS	DISCHARGE MONITORING		MONITORING REQUIREMENTS	
	30-DAY AVG MINIMUM	48-HR MINIMUM	MEASUREMENT FREQUENCY	SAMPLE TYPE
WHOLE EFFLUENT TOXICITY TESTING (*1) (48-Hour Static Renewal)	Report	Report	1/3 Months (*1)	24-Hr Composite

Footnotes:

*1 Monitoring frequency 1/3-month for the 1st year of the permit. If all tests pass, reduce the frequency to 1/6-month for years 2 – 5, and resume the frequency of 1/3-month on the last day of the permit. If any test fails during the period of the permit, return the frequency to 1/3-month for the remainder of the permit.

SAMPLING LOCATION(S)

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

2. Inter Outfalls 01A

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 treated sanitary wastewater from Inter Outfall 01A. 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	N/A	N/A	Continuous	Totalizing Meter
Total Suspended Solids	00530	N/A	N/A	30	45	1/Day	Grab
BOD	00310	N/A	N/A	30	45	1/day	Grab

Footnotes:

*1 When discharge of metal cleaning wastes occurs.

SAMPLING LOCATION(S)

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): after the last treatment unit prior to co-mingling with other waste sources.

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

Monitoring information shall be on Discharge Monitoring Report Form(s) EPA 3320-1 or electronic NetDMR as specified in Part III.D.4 of this permit and shall be submitted monthly. The permittee is required to submit regular monthly reports as described above no later than the 15th day of the month following each reporting period.

C. EFFLUENT CHARACTERISTICS

The permittee is required to take representative samples of mine drainage for analyses of constituents listed in Application Form 2-C, section V. Part A-D. The analytical results shall be sent to the following address no later than 90 days prior to any discharge to the water of the United States.

Water Quality Protection Division
NPDES Permits & TMDL s Branch
U.S. Environmental Protection Agency, Region 6
Dallas, TX 75202-2733