



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 July 28, 2010.

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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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	30-Day Avg	Daily Max	30-Day Avg	Daily Max	MEASUREMENT FREQUENCY	SAMPLE TYPE
Flow	Report MGD	Report MGD	***	***	Continuous	Totalizing Meter
Total Suspended Solids (TSS)	N/A	N/A	20	30	1/Day	Grab
Chemical Oxygen Demand (COD)	N/A	N/A	100	125	1/Day	Grab
Ra226 (dissolved)	N/A	N/A	3 pCi/l	10 pCi/l	1/Day	Grab
Total Ra226	N/A	N/A	10 pCi/l	30 pCi/l	1/Day	Grab
Total Ra226+Ra228	N/A	N/A	20 pCi/l	30 pCi/l	1/Day	Grab
Total Uranium	N/A	N/A	2.0	4.0	1/Day	Grab
Total Zinc	N/A	N/A	0.5	1.0	1/Day	Grab
Total Aluminum	N/A	N/A	1.37	1.37	1/Day	Grab
Total Boron	N/A	N/A	5.0	5.0	1/Day	Grab
Total Cadmium	N/A	N/A	0.45 µg/l	0.45 µg/l	1/Day	Grab
Chromium VI	N/A	N/A	0.011	0.011	1/Day	Grab
Total Cobalt	N/A	N/A	1.0	1.0	1/Day	Grab
Total Copper	N/A	N/A	0.029	0.029	1/Day	Grab

Total Mercury	N/A	N/A	0.77 µg/l	0.77 µg/l	1/Day	Grab
Total Molybdenum	N/A	N/A	1.895	1.895	1/Day	Grab
Total Selenium	N/A	N/A	5.0 µg/l	5.0 µg/l	1/Day	Grab
Total Vanadium	N/A	N/A	0.1	0.1	1/Day	Grab
Gross Alpha	N/A	N/A	15 pCi/l	15 pCi/l	1/Day	Grab
E. coli	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) (7-Day Static Renewal)	Report	Report	1/3 Months (*1)	24-Hr Composite
Pimephales promelas (Pp)	Report	Report	1/3 Months (*1)	24-Hr Composite
Ceriodalphia dubia (Cd)	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 Cd to 1/6-month and for Pp to 1/year 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		30-Day Avg	Daily Max	30-Day Avg	Daily Max	MEASUREMENT FREQUENCY	SAMPLE TYPE
Flow		Report MGD	Report MGD	N/A	N/A	Continuous	Totalizing Meter
ToTSS		N/A	N/A	30	45	1/Day	Grab
BOD		N/A	N/A	30	45	1/day	Grab

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 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 effluent samples at Outfall 001 for analyses of constituents listed in Application Form 2-C, section V. Part A-D, and effluent hardness. The analytical results shall be sent to U.S. Environmental Protection Agency, Region 6, NPDES Permits & TMDLs Branch (6WQ-P) and Water Enforcement Branch (6EN-W) and copy NMED, no later than 90 days after the first discharge to the water of the United States. (If sample volume from the first discharge is not enough to conduct analyses for all listed constituents, additional samples shall be taken from following discharges.)