



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

**NPDES Permit No. NM0029581**

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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"),

Lee Ranch Coal Company  
P.O. Box 757  
Grants, NM 87020

is authorized to discharge from a facility located at Sections 23, 24, 25, 26, 27, 28, 33, 34, 35,  
and 36 of T15N, R8W; Section 19 of T15N, R7W; and Sections 21, 29, 31, and 32 of T16N,  
R8W, all near San Mateo, McKinley County, New Mexico, to receiving waters named Mulatto  
Canyon Arroyo in Segment No. 20.6.4.105 of the Rio Grande Basin, sewage and mine drainage

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. NM0029581 issued on March 23, 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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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**

**(a) DISCHARGES FROM SEWAGE LAGOON (Outfalls 034)**

During the period beginning on the effective date of this permit and lasting through the expiration date of the permit (unless otherwise noted), the permittee is authorized to discharge treated sanitary wastewater from Outfall 034 which discharges wastewater from pond EVAP-2 to Mulatto Canyon Arroyo. 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	N/A	N/A	1/Day	Estimate
Total Suspended Solids	00530	N/A	N/A	30	45	1/Week	Grab
Biological Oxygen Demand	00310	N/A	N/A	30	45	1/Week	Grab
E. coli (unit: cfu/100 ml)	51040	N/A	N/A	126	410	1/Week	Grab
Total Residual Chlorine	50060	N/A	N/A	N/A	0.011	1/Week	Grab

**SAMPLING LOCATION(S)**

Samples taken in compliance with the monitoring requirements specified above shall be taken when discharges occur at the following location(s): Outfall 034.

b) MINE DRAINAGE DISCHARGES

During the period beginning on the effective date of this permit and lasting through the expiration date of the permit (unless otherwise noted), the permittee is authorized to discharge wastewater from:

- ! Process plant associated areas
- ! Mine drainage areas
- ! Groundwater intercept wells
- ! Disturbed areas

to receiving waters named Mulatto Canyon Arroyo.

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	N/A	N/A	1/Day	Estimate
Total Suspended Solids (*1) (*2)	00530	N/A	N/A	35	70	1/Week	Grab
Iron (*1) (*2)	01045	N/A	N/A	3.5	7.0	1/Week	Grab

EFFLUENT CHARACTERISTICS	DISCHARGE MONITORING	MONITORING REQUIREMENTS
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WHOLE EFFLUENT TOXICITY TESTING (48-Hour Static Renewal)	30-DAY AVG MINIMUM	48-HR MINIMUM	MEASUREMENT FREQUENCY	SAMPLE TYPE
Daphnia pulex	Report	Report	1/Year	Grab

Footnote:

(\*1) Any discharge or increase in the volume of a discharge caused by precipitation within any 24-hour period less than or equal to the 10-year, 24-hour precipitation event (or snow melt of equivalent volume) may comply with settleable solids of 0.5 ml/L. See Part II.A. for restriction.

(\*2) Any discharge or increase in the volume of a discharge caused by precipitation greater than the 10-year, 24-hour precipitation event (or snow melt of equivalent volume) is not required for monitoring of TSS and total iron. See Part II.A. for restriction.

#### SAMPLING LOCATION(S)

Samples taken in compliance with the monitoring requirements specified above shall be taken when discharges occur at the following location(s): See Part I.B.

#### 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. Sampling Locations for Mine Drainage Discharges.

Outfall No.	Latitude	Longitude	Outfall No.	Latitude	Longitude
001	35°29'10"	107°39'58"	061	35°31'07"	107°34'38"
002	35°29'27"	107°40'58"	062	35°31'17"	107°34'52"
003	35°29'15"	107°40'06"	063	35°31'45"	107°37'17"
004	35°29'15"	107°40'08"	064	35°31'50"	107°37'15"
006	35°29'22"	107°39'57"	065	35°31'02"	107°34'13"
009	35°29'12"	107°40'06"	066	35°31'43"	107°34'34"
016	35°29'35"	107°40'42"	067	35°31'15"	107°34'35"
020	35°29'24"	107°39'22"	076	35°30'42"	107°39'32"
021	35°29'33"	107°30'16"	077	35°29'45"	107°39'58"
027	35°25'22"	107°35'00"	078	35°29'32"	107°39'52"
028	35°25'29"	107°35'02"	079	35°32'06"	107°33'10"
034	35°29'11"	107°40'06"	080	35°32'08"	107°33'05"
036	35°31'05"	107°37'16"	085	35°30'35"	107°35'55"
041	35°30'05"	107°38'42"	086	35°30'40"	107°36'00"
042	35°24'53"	107°34'55"	087	35°30'43"	107°36'00"
044	35°29'15"	107°40'15"	088	35°30'45"	107°36'05"
045	35°30'55"	107°39'15"	089	35°31'40"	107°36'02"
049	35°31'42"	107°35'43"	090	35°31'37"	107°35'55"
050	35°31'43"	107°35'37"	091	35°32'23"	107°37'02"
051	35°31'05"	107°34'20"	092	35°31'10"	107°39'15"
053	35°30'55"	107°34'35"	093	35°30'48"	107°39'48"
054	35°30'57"	107°34'52"	094	35°29'30"	107°40'00"
055	35°30'57"	107°34'22"	095	35°29'52"	107°37'17"
056	35°30'55"	107°34'26"			

Locations may be revised by the permittee if it becomes necessary to eliminate or establish new holding ponds. For any revision, the permittee shall submit appropriate maps showing the holding pond locations.

Any revised pond or outfall locations shall be consistent with, and fall within, the mining area boundary as defined in the applicant's State Mining Plan.

Any revised pond or outfall location shall be limited to discharging to the same receiving body of water.

Discharges from any revised pond or outfall location shall be subject to monitoring requirements and effluent limitations listed in Part A. **EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS** of this permit.

C. 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 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 28<sup>th</sup> day of the month following each reporting period.

D. EFFLUENT CHARACTERISTICS

The permittee is required to take, at least, one representative effluent sample from active mining areas, reclamation areas, and undisturbed areas, respectively, for analyses of constituents listed in Application Form 2-C, section V. Part A-C. The sample shall also be analyzed for total hardness as CaCO<sub>3</sub>. Samples shall be taken as soon as practical when a discharge occurs. The analytical results shall be sent to the following address:

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