



REGION 6  
1445 ROSS AVENUE  
DALLAS, TEXAS 75202-2733

NPDES Permit No NM0031020

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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"),

Strathmore Resources U.S. Ltd.  
Roco Honda Monitoring Wells  
4001 Office Court, Ste 102  
Santa Fe, NM 87507

is authorized to discharge to receiving waters named an unnamed arroyo, thence to San Mateo Creek, thence to the Rio San Jose thence the Rio Puerco thence to the Rio Grande in Segment No. 20.6.4.105 of the Rio Grande Basin in McKinley County, NM

from a facility located in Section 16, Township 13 N, Range 8W, approximately 5 miles northwest of San Mateo in McKinley County, NM.

the discharges are located on that water at the following coordinates:

Outfall 001: Latitude 35° 21' 38" North, Longitude 107° 40' 55" West  
Outfall 002: Latitude 35° 21' 17" North, Longitude 107° 41' 05" West  
Outfall 003: Latitude 35° 21' 32" North, Longitude 107° 41' 30" West

in accordance with this cover page and the effluent limitations, monitoring requirements, and other conditions set forth in Part I, Part II, and Part III hereof.

This is a first-time issuance

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  
Director  
Water Quality Protection Division (6WQ)

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Laurence E. Giglio  
Environmental Engineer  
Permits & Technical Section (6WQ-PP)

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**PART I – REQUIREMENTS FOR NPDES PERMITS**

**SECTION A. LIMITATIONS AND MONITORING REQUIREMENTS**

1. FINAL Effluent Limits – Outfall 001 – Intermittent Flow

During the period beginning the effective date of the permit and lasting to the permit expiration date (unless otherwise noted), the permittee is authorized to discharge monitoring well water to an unnamed arroyo, thence to San Mateo Creek, thence to the Rio San Jose thence the Rio Puerco from Outfall’s 001, 002 and/or 003. All dischargers from any of the three outfalls shall be reported as 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/Week	Grab

EFFLUENT CHARACTERISTICS		DISCHARGE LIMITATIONS				MONITORING REQUIREMENTS	
		lbs/day, unless noted		mg/l, unless noted			
POLLUTANT	STORET CODE	DAILY AVG	DAILY MAX	DAILY AVG	DAILY MAX	MEASUREMENT FREQUENCY	SAMPLE TYPE
Flow	50050	Report MGD	Report MGD	***	***	Daily	Estimate (*1)
Radium 226 + Radium 228	11503	N/A	N/A	20 pCi/l	30 pCi/l	1/Week	Grab
Adjusted Gross Alpha	80029	N/A	N/A	10 pCi/l	15 pCi/l	1/Week	Grab
Uranium	22706	N/A	N/A	Report	Report	1/Week	Grab
Antimony, (dissolved)	01097	N/A	N/A	Report	Report	Once (*2)	Grab
Cyanide, weak acid dissociable	00718	N/A	N/A	Report	Report	Once (*2)	Grab
2,3,7,8-TCDD (Dioxin)	34675	N/A	N/A	Report	Report	Once (*2)	Grab
Acrolein	34210	N/A	N/A	Report	Report	Once (*2)	Grab
Acrylonitrile	34215	N/A	N/A	Report	Report	Once (*2)	Grab
Benzene	34030	N/A	N/A	Report	Report	Once (*2)	Grab
Bromoform	32104	N/A	N/A	Report	Report	Once (*2)	Grab
Carbon Tetrachloride	32102	N/A	N/A	Report	Report	Once (*2)	Grab

Chlorobenzene	34301	N/A	N/A	Report	Report	Once (*2)	Grab
Clorodibromomethane	32105	N/A	N/A	Report	Report	Once (*2)	Grab
Chloroform	32106	N/A	N/A	Report	Report	Once (*2)	Grab
Dichlorobromomethane	32101	N/A	N/A	Report	Report	Once (*2)	Grab
1,2-Dichloroethane	34531	N/A	N/A	Report	Report	Once (*2)	Grab
1,1-Dichloroethylene	34501	N/A	N/A	Report	Report	Once (*2)	Grab
1,2-Dichloropropane	34541	N/A	N/A	Report	Report	Once (*2)	Grab
1,3-Dichloropropene	34561	N/A	N/A	Report	Report	Once (*2)	Grab
Ethylbenzene	34371	N/A	N/A	Report	Report	Once (*2)	Grab
Methyl Bromide	34413	N/A	N/A	Report	Report	Once (*2)	Grab
Methylene Chloride	34423	N/A	N/A	Report	Report	Once (*2)	Grab
1,1,2,2-Tetrachloroethane	34516	N/A	N/A	Report	Report	Once (*2)	Grab
Tetrachloroethylene	34475	N/A	N/A	Report	Report	Once (*2)	Grab
Toluene	34010	N/A	N/A	Report	Report	Once (*2)	Grab
1,2--trans-Dichloroethylene	34546	N/A	N/A	Report	Report	Once (*2)	Grab
1,1,2-Trichloroethane	34511	N/A	N/A	Report	Report	Once (*2)	Grab
Trichloroethylene	39180	N/A	N/A	Report	Report	Once (*2)	Grab
Vinyl Chloride	39175	N/A	N/A	Report	Report	Once (*2)	Grab
2-Chlorophenol	34586	N/A	N/A	Report	Report	Once (*2)	Grab
2,4-Dichlorophenol	34601	N/A	N/A	Report	Report	Once (*2)	Grab
2,4-Dimethylphenol	34606	N/A	N/A	Report	Report	Once (*2)	Grab
4,6-Dinitro-o-Cresol	34657	N/A	N/A	Report	Report	Once (*2)	Grab
2,4-Dinitrophenol	34616	N/A	N/A	Report	Report	Once (*2)	Grab
Pentachlorophenol	39032	N/A	N/A	Report	Report	Once (*2)	Grab
Phenol	34694	N/A	N/A	Report	Report	Once (*2)	Grab
2,4,6-Trichlorophenol	34621	N/A	N/A	Report	Report	Once (*2)	Grab
Acenaphthene	34205	N/A	N/A	Report	Report	Once (*2)	Grab
Anthracene	34220	N/A	N/A	Report	Report	Once (*2)	Grab
Benzidine	39120	N/A	N/A	Report	Report	Once (*2)	Grab
Benzo(a)anthracene	34526	N/A	N/A	Report	Report	Once (*2)	Grab
Benzo(a)pyrene	34247	N/A	N/A	Report	Report	Once (*2)	Grab

Benzo(b)fluoranthene	34230	N/A	N/A	Report	Report	Once (*2)	Grab
Benzo(k)fluoranthene	34242	N/A	N/A	Report	Report	Once (*2)	Grab
Bis (2-chloroethyl) Ether	34273	N/A	N/A	Report	Report	Once (*2)	Grab
Bis (2-chloroisopropyl) Ether	34283	N/A	N/A	Report	Report	Once (*2)	Grab
Bis (2-ethylhexyl) Phthalate	39100	N/A	N/A	Report	Report	Once (*2)	Grab
Butyl Benzyl Phthalate	34292	N/A	N/A	Report	Report	Once (*2)	Grab
2-Chloronaphthalene	34581	N/A	N/A	Report	Report	Once (*2)	Grab
Chrysene	34320	N/A	N/A	Report	Report	Once (*2)	Grab
Dibenzo(a,h)anthracene	34556	N/A	N/A	Report	Report	Once (*2)	Grab
1,2-Dichlorobenzene	34536	N/A	N/A	Report	Report	Once (*2)	Grab
1,3-Dichlorobenzene	34566	N/A	N/A	Report	Report	Once (*2)	Grab
1,4-Dichlorobenzene	34571	N/A	N/A	Report	Report	Once (*2)	Grab
3,3-Dichlorobenzidine	34631	N/A	N/A	Report	Report	Once (*2)	Grab
Diethyl Phthalate	34336	N/A	N/A	Report	Report	Once (*2)	Grab
Dimethyl Phthalate	34341	N/A	N/A	Report	Report	Once (*2)	Grab
Dibutyl Phthalate	39110	N/A	N/A	Report	Report	Once (*2)	Grab
2,4-Dinitrotoluene	34611	N/A	N/A	Report	Report	Once (*2)	Grab
1,2-Diphenylhydrazine	34346	N/A	N/A	Report	Report	Once (*2)	Grab
Fluoranthene	34376	N/A	N/A	Report	Report	Once (*2)	Grab
Fluorene	34381	N/A	N/A	Report	Report	Once (*2)	Grab
Hexachlorobenzene	39700	N/A	N/A	Report	Report	Once (*2)	Grab
Hexachlorobutadiene	34391	N/A	N/A	Report	Report	Once (*2)	Grab
Hexachlorocyclopentadiene	34386	N/A	N/A	Report	Report	Once (*2)	Grab
Hexachloroethane	34396	N/A	N/A	Report	Report	Once (*2)	Grab
Indeno (1,2,3-cd)Pyrene	34403	N/A	N/A	Report	Report	Once (*2)	Grab
Isophorone	34408	N/A	N/A	Report	Report	Once (*2)	Grab
Nitrobenzene	34447	N/A	N/A	Report	Report	Once (*2)	Grab
n-Nitrodimethylamine	34438	N/A	N/A	Report	Report	Once (*2)	Grab
n-Nitrosodi-n-Propylamine	34428	N/A	N/A	Report	Report	Once (*2)	Grab
n-Nitrosodiphenylamine	34433	N/A	N/A	Report	Report	Once (*2)	Grab
Pyrene	34469	N/A	N/A	Report	Report	Once (*2)	Grab

1,2,4-Trichlorobenzene	34551	N/A	N/A	Report	Report	Once (*2)	Grab
Aldrin	39330	N/A	N/A	Report	Report	Once (*2)	Grab
Alpha-BHC	39337	N/A	N/A	Report	Report	Once (*2)	Grab
Beta-BHC	39338	N/A	N/A	Report	Report	Once (*2)	Grab
Gamma-BHC	39340	N/A	N/A	Report	Report	Once (*2)	Grab
Chlordane	39350	N/A	N/A	Report	Report	Once (*2)	Grab
4, 4'-DDT and derivatives	39300	N/A	N/A	Report	Report	Once (*2)	Grab
Dieldrin	39380	N/A	N/A	Report	Report	Once (*2)	Grab
Alpha-Endosulfan	34361	N/A	N/A	Report	Report	Once (*2)	Grab
Beta-Endosulfan	34356	N/A	N/A	Report	Report	Once (*2)	Grab
Endosulfan sulfate	35351	N/A	N/A	Report	Report	Once (*2)	Grab
Endrin	39390	N/A	N/A	Report	Report	Once (*2)	Grab
Endrin Aldehyde	34366	N/A	N/A	Report	Report	Once (*2)	Grab
Heptachlor	39410	N/A	N/A	Report	Report	Once (*2)	Grab
Heptachlor Epoxide	39420	N/A	N/A	Report	Report	Once (*2)	Grab
PCBs	39516	N/A	N/A	Report	Report	Once (*2)	Grab
Toxaphene	39400	N/A	N/A	Report	Report	Once (*2)	Grab

Footnotes:

- \*1 "Estimate" flow measurements shall not be subject to the accuracy provisions established at Part III.C.6. Flow may be estimated using sound analytical techniques.
- \*2 One-time per well to be taken on the first discharge.

**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 weir locations prior to the receiving stream.

**B. SCHEDULE OF COMPLIANCE**

NONE

**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 28<sup>th</sup> day of the month following each reporting period.
3. NO DISCHARGE REPORTING

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

## **PART II - OTHER CONDITIONS**

### **A. MINIMUM QUANTIFICATION LEVEL (MQL)**

See list of MQL's at Appendix A of Part II below. For pollutants listed on Appendix A of Part II below with MQL's, analyses must be performed to the listed MQL. If any individual analytical test result is less than the MQL listed, a value of zero (0) may be used for that pollutant result for the Discharge Monitoring Report (DMR) calculations and reporting requirements.

In addition, any additional pollutant sampling for purposes of this permit, including renewal applications or any other reporting, shall be tested to the MQL shown on the attached Appendix A of Part II. Results of analyses that are less than the listed MQL may be reported as "non detect" (ND).

### **B. 24-HOUR ORAL REPORTING: DAILY MAXIMUM LIMITATION VIOLATIONS**

Under the provisions of Part III.D.7.b.(3) of this permit, violations of daily maximum limitations for the following pollutants shall be reported orally to EPA Region 6, Compliance and Assurance Division, Water Enforcement Branch (6EN-W), Dallas, Texas, and concurrently to NMED within 24 hours from the time the permittee becomes aware of the violation followed by a written report in five days.

Gross Alpha Particles  
Radium 226 + Radium 228

### **C. PERMIT MODIFICATION AND REOPENER**

In accordance with 40 CFR Part 122.44(d), the permit may be reopened and modified during the life of the permit if relevant portions of New Mexico's Water Quality Standards for Interstate and Intrastate Streams are revised, or State of New Mexico water quality standards are established and/or remanded.

In accordance with 40 CFR Part 122.62(a)(2), the permit may be reopened and modified if new information is received that was not available at the time of permit issuance that would have justified the application of different permit conditions at the time of permit issuance. Permit modifications shall reflect the results of any of these actions and shall follow regulations listed at 40 CFR Part 124.5.