

STATE OF COLORADO



**COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT
WATER QUALITY CONTROL DIVISION
TELEPHONE: (303) 692-3500**

**CERTIFICATION TO DISCHARGE
UNDER
CDPS GENERAL PERMIT COG840000
DISCHARGES ASSOCIATED WITH PRODUCED WATER TREATMENT FACILITIES**

Certification Number: **COG840011**

This Certification to Discharge specifically authorizes:

Ritchie Exploration Inc.
to discharge from the facility identified as

Anderson #1 Well
Latitude 39° 46' 47" N Longitude 103° 13' 45" W
to:
An Unnamed Drainage in the Republican River Basin

Facility Located at: NE ¼, SW ¼, Section 20, T3S, R52W, Washington County, North of Anton, CO
Near County Road 14 and BB Road

Outfall 001A	Latitude 39° 46' 47" N, Longitude 103° 13' 45" W. After completion of all treatment and prior to being released to the unnamed drainage.
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Permit Limitations and Monitoring Requirements apply consistent with General Permit Part I.B and Part I.C

THE FOLLOWING LIMITATIONS ARE EFFECTIVE UNTIL 12/31/2015

Parameter	ICIS Code	Discharge Limitations Maximum Concentrations				Monitoring Frequency	Sample Type
		30-Day Average	7-Day Average	Daily Max.	2-Year Average		
Flow, GPM	50050	21	NA	Report	NA	Monthly	Instantaneous
Total Suspended Solids, mg/l	00530	30	45	NA	NA	Monthly	Grab
pH, s.u. (Minimum-Maximum)	00400	NA	NA	6.5-9.0	NA	Monthly	Grab
Oil and Grease, mg/l	03582	NA	NA	10	NA	Monthly	Grab
Benzene, ug/l	34030	Report	NA	5,300	NA	Quarterly	Grab
Toluene, ug/l	34010	Report	NA	17,500	NA	Quarterly	Grab
Ethylbenzene, ug/l	37371	Report	NA	32,000	NA	Quarterly	Grab
Xylenes (Total), ug/l	81551	Report	NA	Report	NA	Quarterly	Grab
Volatile and Semi-Volatile Organic Compounds, ug/l	51577	Report	NA	Report	NA	Quarterly	Grab
Arsenic, Total Recoverable, ug/l	00978	Report	NA	Report	NA	Monthly	Grab
Beryllium, Total Recoverable, ug/l	00998	Report	NA	Report	NA	Monthly	Grab
Cadmium, Total Recoverable, ug/l	01113	Report	NA	Report	NA	Monthly	Grab
Trivalent Chromium, Total Recoverable, ug/l	04262	Report	NA	Report	NA	Monthly	Grab
Hexavalent Chromium, Total Recoverable, ug/l	78247	Report	NA	Report	NA	Monthly	Grab
Copper, Total Recoverable, ug/l	01119	Report	NA	Report	NA	Monthly	Grab
Lead, Total Recoverable, ug/l	01114	Report	NA	Report	NA	Monthly	Grab
Nickel, Total Recoverable, ug/l	01074	Report	NA	Report	NA	Monthly	Grab
Selenium, Total Recoverable, ug/l	00981	Report	NA	Report	NA	Monthly	Grab
Zinc, Total Recoverable, ug/l	01094	Report	NA	Report	NA	Monthly	Grab
Radium 226+228, Total pCi/l	11503	NA	NA	Report	NA	Quarterly	Grab

THE FOLLOWING LIMITATIONS ARE EFFECTIVE BEGINNING 1/1/2016

Parameter	ICIS Code	Discharge Limitations Maximum Concentrations				Monitoring Frequency	Sample Type
		30-Day Average			2-Year Average		
Flow, GPM	50050	5	NA	Report	NA	Monthly	Continuous
Total Suspended Solids, mg/l	00530	30	45	NA	NA	Monthly	Grab
Total Dissolved Solids, mg/l	70295	Report	NA	Report	NA	Monthly	Grab
pH, s.u. (Minimum-Maximum)	00400	NA	NA	6.5-9.0	NA	Monthly	Grab
Oil and Grease, mg/l	03582	NA	NA	10	NA	Monthly	Grab
Benzene, ug/l	34030	NA	NA	5,300	NA	Quarterly	Grab
Toluene, ug/l	34010	NA	NA	17,500	NA	Quarterly	Grab
Ethylbenzene, ug/l	37371	NA	NA	32,000	NA	Quarterly	Grab
Xylenes (Total), ug/l	81551	NA	NA	Report	NA	Quarterly	Grab
Volatile and Semi-Volatile Organic Compounds, ug/l	51577	Report	NA	Report	NA	Quarterly	Grab
Arsenic, Total Recoverable, ug/l	00978	100	NA	NA	NA	Monthly	Grab
Beryllium, Total Recoverable, ug/l	00998	100	NA	Report	NA	Monthly	Grab
Cadmium, Total Recoverable, ug/l	01113	10	NA	Report	NA	Monthly	Grab
Trivalent Chromium, Total Recoverable, ug/l	04262	100	NA	Report	NA	Monthly	Grab
Hexavalent Chromium, Total Recoverable, ug/l	78247	100	NA	Report	NA	Monthly	Grab
Copper, Total Recoverable, ug/l	01119	200	NA	Report	NA	Monthly	Grab
Lead, Total Recoverable, ug/l	01114	100	NA	Report	NA	Monthly	Grab
Nickel, Total Recoverable, ug/l	01074	200	NA	Report	NA	Monthly	Grab
Selenium, Total Recoverable, ug/l	00981	20	NA	Report	NA	Monthly	Grab
Zinc, Total Recoverable, ug/l	01094	2000	NA	Report	NA	Monthly	Grab
Radium 226+228, Total pCi/l	11503	Report	NA	5	NA	Quarterly	Grab

See the permit for definitions and more information regarding the terms and conditions associated with the above limitations.

Compliance Schedule

Activities to Final Limits – In order to meet the final limitations, the following schedule will be included in the permit.

Code	Event	Description	Due Date
43699	Facility Evaluation Plan	Submit a report summarizing the first year of data collected and whether the limitations to be effective 1/1/16 can be met. Include an amendment request to remove parameters that are well below the detection limits or significantly below the permit limits as necessary.	3/1/13
00899	Implementation Schedule	Submit a report documenting the options available to meet the final permit limits, including the chosen option and a schedule of activities to be implemented under this option.	12/31/13
00899	Implementation Schedule	Submit a progress report regarding steps taken to date to meet the final effluent limitations.	12/31/14
CS017	Achieve Final Compliance with Emissions or Discharge Limits	Submit study results that show compliance has been attained with the final limitations.	12/31/15

Issued: March 22, 2012

Effective: April 1, 2012

Expiration: August 31, 2014

This certification under the permit requires that specific actions be performed at designated times. The certification holder is legally obligated to comply with all terms and conditions of the permit.

Signed,

A handwritten signature in black ink, appearing to read "Andrew Neuhart". The signature is fluid and cursive, with a large initial "A" and a stylized "N".

Andrew Neuhart
Assessment Based Permits Unit Manager
Water Quality Control Division