



Colorado Department  
of Public Health  
and Environment

**COLORADO DISCHARGE PERMIT SYSTEM (CDPS)  
FACT SHEET FOR MODIFICATION 2  
PERMIT NUMBER CO0047776  
PIONEER NATURAL RESOURCES USA, INC.  
LORENCITO CANYON COALBED METHANE OPERATIONS  
LAS ANIMAS COUNTY**

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**I. TYPE OF PERMIT**

- A. Permit Type:** Modification No. 2 – Minor Modification
- B. Discharge To:** Surface Water

**II. FACILITY INFORMATION**

- A. SIC Code:** 1311 Crude Petroleum and Natural Gas
- B. Facility Location:** Approximate Middle Point of Operation,  
Latitude 37° 05' North, Longitude 104° 48' West

**III. PURPOSE OF MODIFICATION**

The Division identified a typographical error that is being corrected through this modification.

Chloride

The Division previously evaluated an alternate ADBEL limit for chloride based on a Alternative Analysis (AA) submitted by Pioneer on November 28, 2012. See Modification #3, February 28, 2014. These determinations and associated values were incorporated into the renewal permit. In the AA evaluation referenced above, the Division implemented a 2 year rolling average limitation of 117 mg/l for all outfalls *with the exception of outfall 022* in the 2014 modified permit. For outfall 022, the effluent data exceeded the WQBEL of 370 mg/l, and thus the WQBEL was the sole effluent limit for chloride as the WQBEL was protective of any alternate ADBEL.

In the renewal permit, the Division included 117 mg/l as a 2 year rolling average for outfall 022 as a typographical error. The WQBEL in the renewal permit of 452 mg/l continues to be protective of any alternative ADBEL based on a review of effluent data.

Note that a corresponding correction is inclusion of the WQBEL 30-day limitation of 452 mg/l in the permit. The permittee notified the Division on February 2, 2015 that due to operational changes, outfall 022A can comply with WQBEL for chloride and lab results and the most recent DMR substantiate that this limitation can be met. The most recent sample taken January 5, 2015 resulted in a chloride level of 200 mg/l.

**IV. CHANGES AS A RESULT OF THE MODIFICATION**

The Division modified the permit as outlined below:

1. Part I.A.2 page 7. The permitted features table for outfall 022-A incorrectly lists 117 mg/l as the 2 year average limitation for chloride. This is a typographical error and has been removed. The 30-day limitation of 452 mg/l has been added as a result of this correction.

This error has been corrected.

Lori Mulsoff  
06/26/2015