

## Chavez, Carl J, EMNRD

---

**From:** Chavez, Carl J, EMNRD  
**Sent:** Friday, April 14, 2017 11:53 AM  
**To:** 'Dade, Lewis (Randy)'  
**Cc:** 'McWatters, Denise'; 'O'Brien, Robert (Bob) K.'; 'Holder, Mike'; Marks, Allison, EMNRD; Brancard, Bill, EMNRD; 'Combs, Robert'; Griswold, Jim, EMNRD  
**Subject:** ACO WQA-OCD-CO-2015-002 RO Reject Water Discharge Monthly Report for March 2017

Randy:

The New Mexico Oil Conservation Division has completed its review of the above subject report and finds the Permittee to be in compliance.

Please contact me if you have questions. Thank you.

Mr. Carl J. Chavez, CHMM (#13099)  
New Mexico Oil Conservation Division  
Energy Minerals and Natural Resources Department  
1220 South St Francis Drive  
Santa Fe, New Mexico 87505  
Ph. (505) 476-3490  
E-mail: [CarlJ.Chavez@state.nm.us](mailto:CarlJ.Chavez@state.nm.us)

**“Why not prevent pollution, minimize waste to reduce operating costs, reuse or recycle, and move forward with the rest of the Nation?” (To see how, go to: <http://www.emnrd.state.nm.us/OCD> and see “Publications”)**



April 12, 2017

Submitted electronically via email to jim.griswold@state.nm.us and carlj.chavez@state.nm.us

Oil Conservation Division  
New Mexico Energy, Minerals & Natural Resources Department  
1220 South St. Francis Drive  
Santa Fe, NM 87505

**RE: Discharge Permit GW-028  
Monthly Report – March 2017 Reporting Period**

Dear Sirs:

In accordance with Condition 4.B.7 of Discharge Permit GW-028 (the Permit), the HollyFrontier Navajo Refining LLC (Navajo), Artesia, New Mexico, Refinery (the Refinery) hereby submits the required monthly report to the New Mexico Energy, Minerals, and Natural Resources Department, Oil Conservation Division (OCD). This letter and all attachments provided herein constitute Navajo's March 2017 monthly report, for the period of March 1-31, 2017, under the Permit.

Specifically, this report covers the March 2017 reporting period and includes the following data and information as required by Condition 4.B.7:

- Daily discharge flow measurements for each reverse osmosis (RO) unit, which were collected as required by Condition 4.B.4.

Flow rates, volumes, and discharge locations for the RO reject fluid is monitored from the three permanent RO units on a daily basis. Daily discharge rates and volumes are provided in Attachment 1. Per Mr. Chavez' request, the total discharge for the month is also shown in Attachment 1.

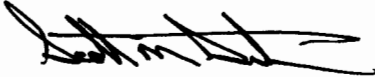
To satisfy the quarterly sampling requirement of Condition 4.B.1 of the Permit for the first quarter, samples were collected for the RO reject streams from the permanent units on January 9, 2017. The samples were analyzed for the constituents listed in sections 20.6.2.3103A, B, and C of the New Mexico Administrative Code (NMAC) and using the methods specified in Navajo's Facility Wide Groundwater Monitoring Program (FWGWMP). The corresponding analytical results were provided in the monthly report submitted on February 15, 2017, for the January 2017 reporting period.

**HollyFrontier Navajo Refining LLC**  
501 East Main • Artesia, NM 88210  
(575) 748-3311 • <http://www.hollyfrontier.com>

Name  
Date April 12, 2017  
Page 2

Navajo is committed to proactively meeting the requirements of the Permit and working cooperatively with OCD. If you have any questions or comments, please contact me at 575-746-5487.

Sincerely,



Scott M. Denton  
Environmental Manager

Enclosures:

Attachment 1: Daily Discharge Flowrates and Volumes

cc. HFC: D. McWatters, R. O'Brien, M. Holder  
OCD: A. Marks, B. Brancard

**Attachment 1**  
**Daily Discharge Flowrates and Volumes**

### Daily RO Reject Discharge Flow Rate Measurements and Calculated Daily Discharge

	Permanent RO Units			Daily Discharge Volume	
	Metered Data			Combined RO Reject Discharge (Calculated)	
	GPM	GPM	GPM	GPM	BBL/DAY
	SOUTH	NORTH	MIDDLE		
3/1/2017	0.00	7.24	4.55	11.79	404.23
3/2/2017	0.00	0.13	0.03	0.16	5.49
3/3/2017	63.74	8.93	0.03	72.70	2,492.57
3/4/2017	13.12	0.06	18.37	31.55	1,081.71
3/5/2017	0.00	0.07	126.94	127.01	4,354.63
3/6/2017	0.00	0.08	106.72	106.80	3,661.71
3/7/2017	0.00	0.08	53.24	53.32	1,828.11
3/8/2017	0.00	0.08	0.04	0.12	4.11
3/9/2017	0.00	0.08	0.02	0.10	3.43
3/10/2017	0.00	0.08	0.02	0.10	3.43
3/11/2017	0.00	0.08	0.02	0.10	3.43
3/12/2017	0.00	0.08	0.02	0.10	3.43
3/13/2017	0.00	0.08	0.02	0.10	3.43
3/14/2017	0.00	0.08	0.02	0.10	3.43
3/15/2017	0.00	0.09	0.02	0.11	3.77
3/16/2017	0.00	0.08	0.02	0.10	3.43
3/17/2017	0.00	0.09	0.02	0.11	3.77
3/18/2017	85.92	4.81	0.02	90.75	3,111.43
3/19/2017	136.32	0.09	0.02	136.43	4,677.60
3/20/2017	138.28	0.09	0.02	138.39	4,744.80
3/21/2017	139.22	0.09	0.02	139.33	4,777.03
3/22/2017	138.66	30.51	0.02	169.19	5,800.80
3/23/2017	139.98	110.37	0.02	250.37	8,584.11
3/24/2017	140.95	110.13	0.02	251.10	8,609.14
3/25/2017	141.30	110.57	0.02	251.89	8,636.23
3/26/2017	140.80	111.31	0.02	252.13	8,644.46
3/27/2017	140.95	111.81	0.02	252.78	8,666.74
3/28/2017	140.32	110.36	0.02	250.70	8,595.43
3/29/2017	141.72	105.80	0.02	247.54	8,487.09
3/30/2017	132.85	109.43	0.02	242.30	8,307.43
3/31/2017	142.58	119.88	0.02	262.48	8,999.31
<b>TOTAL (bbls/month)</b>					<b>114,505.71</b>