

UIC-1 - 005

**MONITOR
WELL**

Chavez, Carl J, EMNRD

From: Fields, Vanessa, EMNRD
Sent: Friday, March 1, 2019 2:26 PM
To: Jones, Brad A., EMNRD
Cc: Griswold, Jim, EMNRD; Billings, Bradford, EMNRD; Chavez, Carl J, EMNRD; Powell, Brandon, EMNRD; Smith, Cory, EMNRD; Kuehling, Monica, EMNRD
Subject: Sunco Disposal Monitor Well

Good afternoon,

Merrion Oil and Gas requested an OCD representative to witness the tagging on the Sunco Disposal Monitoring Well that was drilled on February 28, 2019. Today at 11:30. I witnessed the tagging of the monitoring well, ground water was at 83.3' .

Please let me know if you have any questions.

Thank you,
Vanessa Fields
Environmental Specialist
Oil Conservation Division
Energy, Minerals, & Natural Resources
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(505)334-6178 ext 119
Cell: (505) 419-0463
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Chavez, Carl J, EMNRD

From: Chavez, Carl J, EMNRD
Sent: Friday, March 1, 2019 4:29 PM
To: 'Philana Thompson'
Cc: Ryan Davis; Ryan Merrion; Jeff Davis; Travis Gibson; Shacie Murray; Smith, Cory, EMNRD; Griswold, Jim, EMNRD
Subject: RE: [EXT] Monitor Well Sunco Disposal #1 facility

Philana:

The New Mexico Oil Conservation Division (OCD) has reviewed

OCD requires the following environmental analytical laboratory testing to adequately address UICI-5 Permit Section 2.A.1 "Monitor and Piezometer Wells" and Item 2 below:

- pH (Method 9040)
- Major dissolved cations and anions, including: fluoride, calcium, potassium, magnesium, sodium bicarbonate, carbonate, chloride, sulfate, bromide, total dissolved solids, and cation/anion balance using the methods specified in 40 CFR 136.3
- VOCs (Method 8260 Full List)

Thank you.

Mr. Carl J. Chavez, CHMM (#13099)
New Mexico Oil Conservation Division
Energy Minerals and Natural Resources Department
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Santa Fe, New Mexico 87505
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“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”)

From: Philana Thompson <pthompson@merrion.bz>
Sent: Friday, March 1, 2019 4:04 PM
To: Chavez, Carl J, EMNRD <CarlJ.Chavez@state.nm.us>
Cc: Ryan Davis <RDavis@merrion.bz>; Ryan Merrion <ryan@merrion.bz>; Jeff Davis <jdaguamoss@hotmail.com>; Travis Gibson <tdgibson.aguamoss@gmail.com>; Shacie Murray <shacie@merrion.bz>
Subject: [EXT] Monitor Well Sunco Disposal #1 facility

Carl,

Per the requirements of the permit for the Sunco Disposal #1, Agua Moss, LLC would like to propose to test the monitoring well as follows:

1. Annual testing 1st Quarter of each year
2. Test for:

- Benzene MCL GW 0.005 mg/L (ppm)
- Chlorides MCL GW 250 mg/l

1. Monitor and Piezometer Wells: Groundwater with a total dissolved solids concentration of less than 10,000 mg/L occurs at an estimated depth of approximately 75 - 120 ft. below ground surface at the WDW-1 well (hereafter, "uppermost water-bearing unit"). A groundwater monitoring well with groundwater sampling capability shall be installed proximal to and hydrogeologically downgradient from WDW-1 to monitor the uppermost water-bearing unit. The monitoring well shall be screened (15 ft. screen with top of screen positioned 5 ft. above water table) into the uppermost water-bearing unit. The Permittee shall propose a monitoring frequency with chemical monitoring parameters to detect potential groundwater contamination either associated with or not associated with WDW-1.

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Philana Thompson
Regulatory Compliance
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