

**NM2 - \_12\_**

**RELEASE  
RESPONSE  
NOTICE**

**\_July 29, 2020\_**

## Jones, Brad A., EMNRD

---

**From:** Rice, Steve <Steve.Rice@arcadis.com>  
**Sent:** Wednesday, July 29, 2020 10:27 AM  
**To:** Jones, Brad A., EMNRD  
**Cc:** Speer, Robert  
**Subject:** [EXT] Jal Landfarm Q2 sampling results - Release Response Notification  
**Attachments:** Table 1\_2020 Q2 VZ Results.xlsx

Good Morning Brad,

Arcadis, on behalf of Chevron EMC, recently conducted the 2nd quarter sampling event at the Chevron Jal Landfarm (NM02-0012). We have received the laboratory analytical results from the second quarter vadose zone sampling efforts and have completed the data validation. Analytical results are attached. Four cells exceeded the lab report SDLs for TPH. Two cells exceeded the Chloride background concentration of 10 mg/kg. Arcadis will remobilize to the site to collect additional samples pursuant to the requirements outlined in 19.15.36.15.E(5) NMAC. Four randomly selected and independent samples will be collected from each of the five cells and analyzed for TPH, BTEX, Chlorides, and constituents listed in Subsection A and B of 20.6.2.3103 NMAC (including toxic pollutants).

I also wanted to check in on the status of the Background SAP approval and the Minor Permit Modification request. Please feel free to call with any questions or comments on either of those submittals.

Lastly, as an FYI, the 2019 Jal Annual Report was submitted on Monday of this week to the OCD.Enviro email address.

Thank you

**Steve Rice** | Project Manager / Senior Environmental Scientist | [Steve.Rice@arcadis.com](mailto:Steve.Rice@arcadis.com)  
**Arcadis** | ARCADIS U.S., Inc.  
11001 West 120<sup>th</sup> Avenue, Broomfield, CO | 80021 | USA  
M. +1 303 710 7537

Connect with us! [www.arcadis.com](http://www.arcadis.com) | [LinkedIn](#) | [Twitter](#) | [Facebook](#)



Be green, leave it on the screen.

This email and any files transmitted with it are the property of Arcadis and its affiliates. All rights, including without limitation copyright, are reserved. This email contains information that may be confidential and may also be privileged. It is for the exclusive use of the intended recipient(s). If you are not an intended recipient, please note that any form of distribution, copying or use of this communication or the information in it is strictly prohibited and may be unlawful. If you have received this communication in error, please return it to the sender and then delete the email and destroy any copies of it. While reasonable precautions have been taken to ensure that no software or viruses are present in our emails, we cannot guarantee that this email or any attachment is virus free or has not been intercepted or changed. Any opinions or other information in this email that do not relate to the official business of Arcadis are neither given nor endorsed by it.

Table 1  
June 2020 Vadose Zone Soil Analytical Results - Second Quarter 2020  
2020 Annual Report  
Jal Landfarm (NM-02-0012)  
Lea County, New Mexico

				Constituent/ Method Units	DRO 8015B mg/kg		GRO 8015B mg/kg		ORO 8015B mg/kg		TPH <sup>a</sup> 8015B mg/kg		Benzene 8260B mg/kg		Toluene 8260B mg/kg		Ethylbenzene 8260B mg/kg		Xylenes 8260B mg/kg		Chloride 300.0 mg/kg	
				Background Soil Concentration	< 5.00		< 5.00		--		--		< 0.05		< 0.05		< 0.05		< 0.05		10.0	
Landfarm Cell	Zone	Sample ID	Sample Date	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	
Cell 17	Vadose	Cell17-Square46-S-2-3-200625	06/25/2020	2.14	U	0.743	U	6.25	U	9.1	--	0.000738	U	0.00162	U	0.00120	U	0.00132	U	367	--	
Cell 18	Vadose	Cell18-Square31-S-2-3-200625	06/25/2020	2.24	U	0.752	U	13.6	--	16.6	--	0.000851	U	0.00186	U	0.00138	U	0.00153	U	163	--	
Cell 19	Vadose	Cell19-Square82-S-2-3-200625	06/25/2020	6.10	J	0.820	U	11.4	--	18.3	--	0.000956	U	0.00209	U	0.00155	U	0.00171	U	5.50	J	
Cell 20	Vadose	Cell20-Square152-S-2-3-200625	06/25/2020	4.31	J	0.759	U	6.95	U	12.0	--	0.000843	U	0.00185	U	0.00136	U	0.00151	U	5.58	J	
Cell 21	Vadose	Cell21-Square73-S-2-3-200625	06/25/2020	8.01	--	0.853	U	7.02	U	15.9	--	0.000956	U	0.00209	U	0.00155	U	0.00171	U	4.04	J	
Cell 25	Vadose	Cell25-Square25-S-2-3-200625	06/25/2020	2.15	U	0.734	U	6.30	U	9.2	--	0.000796	U	0.00174	U	0.00129	U	0.00143	U	4.77	J	
Cell 26	Vadose	Cell26-Square66-S-2-3-200625	06/25/2020	2.23	U	0.745	U	6.51	U	9.5	--	0.000882	U	0.00193	U	0.00143	U	0.00158	U	4.81	J	

**Notes:**

<sup>a</sup> TPH is the sum of the DRO, GRO, and ORO fractions (note that non-detect values are included in the summation at the S

1. Non-detect values are reported to the SDL specified in the laboratory reports.

2. In accordance with 19.15.36.15(E)(2) NMAC, vadose zone analytical results are compared to the higher of the SDL or the background soil concentration for TPH, BTEX, and chloride. Background soil concentrations are available for GRO, BTEX, and chloride; therefore, GRO, BTEX, and chloride analytical results are compared to these values. DRO and ORO analytical results are compared to SDL values.

3. Detected values highlighted in grey exceed the SDL or background soil concentration.

-- = not applicable

BTEX = benzene, toluene, ethylbenzene, and xylenes

DRO = diesel range organics

GRO = gasoline range organics

ID = identification

mg/kg = milligrams per kilogram

MQL = method quantitation limit

NMAC = New Mexico Administrative Code

ORO = oil range organics

SDL = sample detection limit

TPH = total petroleum hydrocarbon

**Qualifiers:**

J = Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.

U = Analyte was not detected at or above the SDL.