

From: Tucker, Shelly
To: [Yu, Olivia, EMNRD](#)
Cc: [Sarah Johnson](#); [Mark Larson](#); [Dudley McMinn@xtoenergy.com](#); [Shannon Walker@xtoenergy.com](#); [Luke Williams@xtoenergy.com](#)
Subject: Re: 1RP-4721 - Delineation Plan, EMSU Well #410, September 21, 2017
Date: Tuesday, December 19, 2017 7:18:41 PM

BLM concurs approval of the proposed work proposal. Sorry for the delay in this response.

If you have any questions or concerns, please do not hesitate to contact me.

Sincerely,

Shelly J Tucker

Environmental Protection Specialist
O&G Spill/Release Coordinator

Bureau of Land Management
620 E. Greene St
Carlsbad, NM 88220

575.234.5905 - Direct
575.361.0084 - Cellular
575.234.6235 - Emergency Spill Number

stucker@blm.gov

The **BLM acceptance/approval does not** relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that may pose a threat to groundwater, surface water, human health or the environment or if the location fails to reclaim properly. In such an event that the location does not revegetate, or future issues with contaminants are encountered, the operator will be asked to address the issues until the contaminant issues are fully mitigated and the location is successfully reclaimed. In addition, BLM approval does not relieve the operator of responsibility for compliance with any other federal, state or local laws/regulations.

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On Wed, Oct 4, 2017 at 11:08 AM, Yu, Olivia, EMNRD <Olivia.Yu@state.nm.us> wrote:

Dear Ms. Johnson:

Acknowledged. Please see the attachment for your records.

Thanks,

Olivia Yu

Environmental Specialist

NMOCD, District I

Olivia.yu@state.nm.us

575-393-6161 x113

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

From: Sarah Johnson [mailto:SJohnson@laenvironmental.com]

Sent: Wednesday, October 4, 2017 9:38 AM

To: Yu, Olivia, EMNRD <Olivia.Yu@state.nm.us>; Tucker, Shelly <stucker@blm.gov>

Cc: Mark Larson <Mark@laenvironmental.com>; Dudley_McMinn@xtoenergy.com; Shannon_Walker@xtoenergy.com; Luke_Williams@xtoenergy.com

Subject: RE: 1RP-4721 - Delineation Plan, EMSU Well #410, September 21, 2017

Dear Ms. Yu,

This message is submitted to the New Mexico Oil Conservation Division (OCD) on behalf of XTO Energy, Inc. (XTO) in response to your question concerning the delineation plan for

1RP-4721:

Condition: The depth to groundwater did not change much, but there is more recent USGS data from 2011. NMOCD approves of the proposed delineation for 1RP-4721 with one condition. Permissible chloride values for delineation and remediation are 600 mg/kg, not 1000 mg/kg. Due to the depth

to groundwater, the additional 10 ft. is not necessary. Delineate to 600 mg/kg and maintained for 3-4 ft. further in depth.

Response: The more recent USGS data from 2011 is recognized. The release will be delineated to 600 mg/Kg, rather than 1,000 mg/Kg with concentrations below 600 mg/kg for 3-4 ft further in depth.

Respectfully,

Sarah Johnson

Staff Geologist

507 N. Marienfeld St., Suite 205

Midland, Texas 79701

Office – 432-687-0901

Cell – 432-664-5357

Fax – 432-687-0456

sjohnson@laenvironmental.com



From: Yu, Olivia, EMNRD [<mailto:Olivia.Yu@state.nm.us>]
Sent: Tuesday, October 03, 2017 10:55 AM
To: Sarah Johnson; Tucker, Shelly

Cc: Mark Larson; [Dudley McMinn@xtoenergy.com](mailto:Dudley_McMinn@xtoenergy.com); [Shannon Walker@xtoenergy.com](mailto:Shannon_Walker@xtoenergy.com); [Luke Williams@xtoenergy.com](mailto:Luke_Williams@xtoenergy.com)

Subject: RE: 1RP-4721 - Delineation Plan, EMSU Well #410, September 21, 2017

Dear Ms. Johnson:

Note:

- The depth to groundwater did not change much, but there is more recent USGS data from 2011.

NMOCD approves of the proposed delineation for 1RP-4721 with one condition. Permissible chloride values for delineation and remediation are 600 mg/kg, not 1000 mg/kg. Due to the depth to groundwater, the additional 10 ft. is not necessary. Delineate to 600 mg/kg and maintained for 3-4 ft. further in depth.

Please confirm.

Thanks,

Olivia Yu

Environmental Specialist

NMOCD, District I

Olivia.yu@state.nm.us

575-393-6161 x113

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

From: Sarah Johnson [<mailto:SJohnson@laenvironmental.com>]
Sent: Thursday, September 21, 2017 1:07 PM
To: Yu, Olivia, EMNRD <Olivia.Yu@state.nm.us>
Cc: Mark Larson <Mark@laenvironmental.com>; [Dudley McMinn@xtoenergy.com](mailto:Dudley_McMinn@xtoenergy.com);
[Shannon Walker@xtoenergy.com](mailto:Shannon_Walker@xtoenergy.com); [Luke Williams@xtoenergy.com](mailto:Luke_Williams@xtoenergy.com)
Subject: 1RP-4721 - Delineation Plan, EMSU Well #410, September 21, 2017

Ms. Yu,

Larson & Associates, Inc. (LAI), on behalf of XTO Energy, Inc. (XTO), submits the attached delineation plan for the produced water spill at EMSU #410 (1RP-4721) in Lea County, New Mexico. Your approval of the delineation plan is requested. Please contact Dudley McMinn with XTO at (432) 682-8873 or mcminn@xtoenergy.com or me if you have questions.

Respectfully,

Sarah Johnson

Staff Geologist

507 N. Marienfeld St., Suite 205

Midland, Texas 79701

Office – 432-687-0901

Cell – 432-664-5357

Fax – 432-687-0456

sjohnson@laenvironmental.com

