From: <u>Billings, Bradford, EMNRD</u>
To: <u>Yu, Olivia, EMNRD</u>

Subject: FW: 1RP-4789 - EMSU B Produced Water Release, Lea County, New Mexico, December 12, 2017

**Date:** Monday, February 19, 2018 9:18:02 AM

Attachments: West to East - Geological Cross Section A to A" (2).pdf

Schematic - Proposed Recovery System.pdf Recovery Trench and Well Layout.pdf

RW-4.pdf

Diagram for Spill Containment-Model.pdf

Hi.

Specific details requested for circumstance.

Thanks

Brad

**From:** Mark Larson [mailto:Mark@laenvironmental.com]

Sent: Thursday, February 15, 2018 4:36 PM

**To:** Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>

Cc: 'Askin, David' <David\_Askin@xtoenergy.com>; 'Lansdown, Scott'

<Scott\_Lansdown@xtoenergy.com>; 'Hutton, Nina' <Nina\_Hutton@xtoenergy.com>;

'Keith\_Underwood@xtoenergy.com' <Keith\_Underwood@xtoenergy.com>; 'Meadows, Derrick'

<Derrick\_Meadows@xtoenergy.com>; 'Goodman, Ronald' <Ronald\_Goodman@xtoenergy.com>;

'Patricia\_Donald@xtoenergy.com' <Patricia\_Donald@xtoenergy.com>

**Subject:** RE: 1RP-4789 - EMSU B Produced Water Release, Lea County, New Mexico, December 12, 2017

## Bradford,

Please find attached exhibits as requested. The exhibits include:

- West (a) to east (A') geological cross section through recovery trench area;
- Overview map of proposed recovery trench, recover well and tank locations;
- Cross section for recovery trench and build out (typical) for recovery wells; and
- Schematic for recovery tank containment.

Please note that 3 alternate recovery well locations are presents on the layout based on field verification. The BLM was copied on the layout design and has requested a cultural survey for the area. Please contact me if you have questions.

Respectfully,

Mark J. Larson, P.G.
President/Sr. Project Manager
507 N. Marienfeld St., Suite 205
Midland, Texas 79701
Office – 432-687-0901
Cell – 432- 556-8656
Fax – 432-687-0456

## mark@laenvironmental.com



## "Serving the Permian Basin Since 2000"

From: Billings, Bradford, EMNRD [mailto:Bradford.Billings@state.nm.us]

Sent: Friday, January 19, 2018 3:45 PM

To: Mark Larson

Subject: RE: 1RP-4789 - EMSU B Produced Water Release, Lea County, New Mexico, December 12,

2017

Hi Mark,

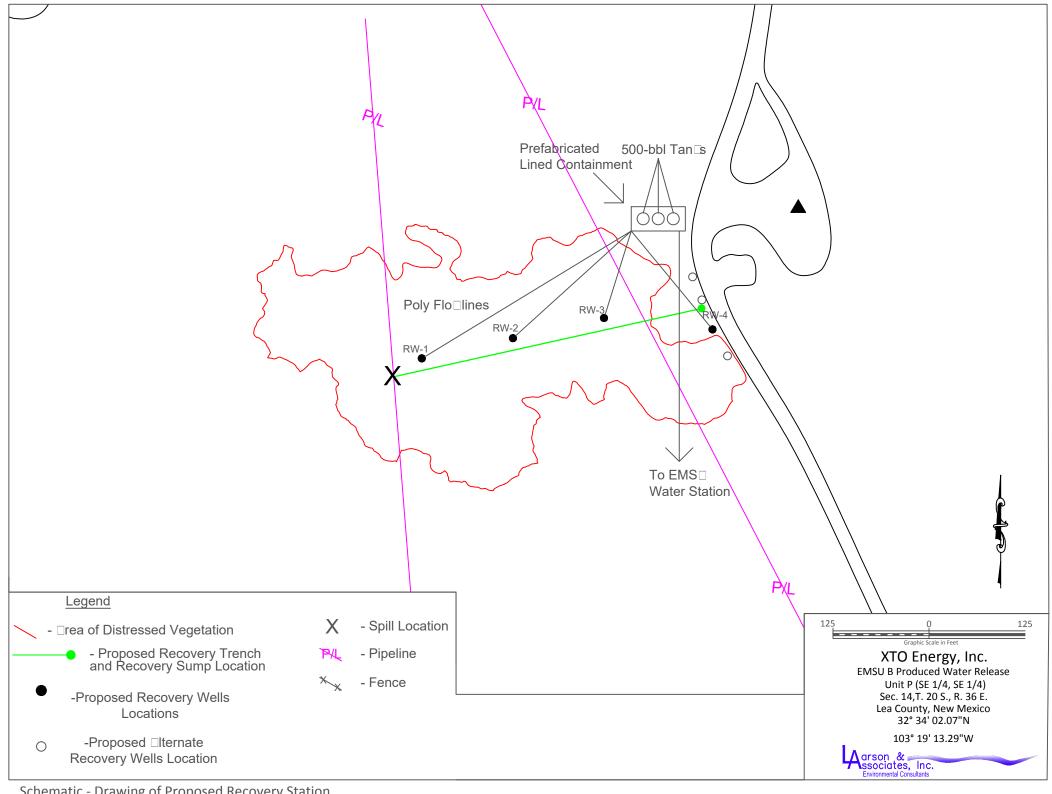
As follow-up to yesterday.

- 1. Would you please submit a schematic of your proposed trench for PW recovery. X-Section would be good as well. To scale.
- 2. Would like an uncluttered overview map, to scale, of the trench placement as well.
- 3. Also an overhead on google or like of the anticipated recovery wells, with cross-section of anticipated build-out for these wells.
- 4. And a drawing if possible to scale, of your likely holding tanks and berm construction.

When I get these I will review quickly and push on the approval letter.

Thanks again and good to see you.

**Bradford Billings** 



Schematic - Drawing of Proposed Recovery Station

