

## Bratcher, Mike, EMNRD

---

**From:** Baker, Larry <Larry.Baker@apachecorp.com>  
**Sent:** Thursday, August 18, 2016 10:14 AM  
**To:** Groves, Amber; Pair, Randal; Van Curen, Jennifer  
**Cc:** Patterson, Heather, EMNRD; Bratcher, Mike, EMNRD; Fernando Banos; Martin, Ed  
**Subject:** RE: State SWD #3 flowline Proposal

Ms. Groves,

I understand your concerns and I propose that prior to any caliche removed from the pit that meets the criteria stated in the plan to be utilized in the cedar lake area all parties involved will be notified of the estimated amount, location and manner in which the material is utilized in the area. Thanks and have a good day.

Bruce Baker  
Apache Corporation  
Environmental Technician  
Northwest District  
Email: [larry.baker@apachecorp.com](mailto:larry.baker@apachecorp.com)  
Mobile: 432-631-6982

---

**From:** Groves, Amber [mailto:[agroves@slo.state.nm.us](mailto:agroves@slo.state.nm.us)]  
**Sent:** Wednesday, August 17, 2016 3:37 PM  
**To:** Pair, Randal; Van Curen, Jennifer  
**Cc:** Patterson, Heather, EMNRD; Bratcher, Mike, EMNRD; Baker, Larry; Fernando Banos; Martin, Ed  
**Subject:** RE: State SWD #3 flowline Proposal

Good Afternoon,

I understand that the work plan states that the 1000 ppm chloride caliche will be used in the Cedar Lake area, however I have a few concerns with that. Is there some sort of plan to monitor where exactly the caliche goes? Will it be turned over to Apache's production division from the environmental division, or will Mr. Baker be responsible for building the pads, roads and berms for which the proposal is stating it will be used for? Lastly, how will the caliche be tracked for reference in future releases?

Thank you,

**Amber Groves**  
*Remediation Specialist*  
*Field Operations Division*  
(575)392-3697  
(575)263-3209 cell  
New Mexico State Land Office  
2827 N. Dal Paso Suite 117  
Hobbs, NM 88260



.....  
**CONFIDENTIALITY NOTICE** - This e-mail transmission, including all documents, files, or previous e-mail messages attached hereto, may contain confidential and/or legally privileged information. If you are not the intended recipient, or a person responsible for delivering it to the intended recipient, you are hereby notified that you must not read this transmission and that any disclosure, copying, printing, distribution, or use of any of the information

contained in and/or attached to this transmission is STRICTLY PROHIBITED. If you have received this transmission in error, please immediately notify the sender and delete the original transmission and its attachments without reading or saving in any manner. Thank you.

**From:** Pair, Randal [<mailto:rpair@blm.gov>]

**Sent:** Wednesday, August 17, 2016 12:37 PM

**To:** Van Curen, Jennifer <[Jennifer.VanCuren@arcadis.com](mailto:Jennifer.VanCuren@arcadis.com)>

**Cc:** Patterson, Heather, EMNRD <[Heather.Patterson@state.nm.us](mailto:Heather.Patterson@state.nm.us)>; Bratcher, Mike, EMNRD <[mike.bratcher@state.nm.us](mailto:mike.bratcher@state.nm.us)>; Groves, Amber <[agroves@slo.state.nm.us](mailto:agroves@slo.state.nm.us)>; Baker, Larry <[Larry.Baker@apachecorp.com](mailto:Larry.Baker@apachecorp.com)>; Fernando Banos <[fbanos@blm.gov](mailto:fbanos@blm.gov)>

**Subject:** Re: State SWD #3 flowline Proposal

With Jennifer's clarifications, BLM concurs with Mike Bratcher's conditions, and likewise approves the cleanup plan with his conditions.

BLM must still approve any backfilling and/or liner installation on BLM-managed lands.

Randal "Randy" Pair

Envir. Protection Specialist - Realty Compliance

office: 575.234.6240

cell: 575.361.0062

email: [rpair@blm.gov](mailto:rpair@blm.gov)

On Wed, Aug 17, 2016 at 9:07 AM, Bratcher, Mike, EMNRD <[mike.bratcher@state.nm.us](mailto:mike.bratcher@state.nm.us)> wrote:

RE: Apache Corp. \* Apache St SWD 3 \* 2RP-3317 \* DOR: 10/2/15

Jennifer,

Your proposal for remediation of the above referenced release is approved with the following conditions of approval:

- > Target goal for chloride delineation will be 250 mg/kg or background levels. At the area identified as "Pt 1", you may want to delineate prior to excavating.
- > A representative sample will need to be obtained and tested for hydrocarbon constituents.
- > Advise OCD prior to installation of any liner.
- > Sidewall samples will be required in excavations where lateral extent of impact has not been previously defined.
- > Notify OCD once remedial activities have been scheduled.
- > Like approval from any other applicable regulatory agency.

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.

If you have any questions or concerns, and for notification, please contact me.

Thank you,

Mike Bratcher  
NMOCD District 2  
811 S. First Street  
Artesia, NM 88210  
O: 575-748-1283 X108  
C: 575-626-0857  
F: 575-748-9720

-----Original Message-----

From: Van Curen, Jennifer [mailto:[Jennifer.VanCuren@arcadis.com](mailto:Jennifer.VanCuren@arcadis.com)]  
Sent: Tuesday, August 16, 2016 2:36 PM  
To: Bratcher, Mike, EMNRD; Patterson, Heather, EMNRD; [rpair@blm.gov](mailto:rpair@blm.gov); [agroves@slo.state.nm.us](mailto:agroves@slo.state.nm.us)  
Cc: Baker, Larry  
Subject: State SWD #3 flowline Proposal

All,

Please see the attached plan for the release located in Section 19, T17S, R31E at 32.816536, and - 103.916730 in Eddy County, NM.

Please approve the attached plan with any conditions of approval required to begin work as soon as possible.

Thank you for your time reviewing this plan.

Jennifer Van Curen  
Environmental Project Scientist | Permitting & Compliance [Jennifer.VanCuren@arcadis.com](mailto:Jennifer.VanCuren@arcadis.com) | Arcadis U.S.  
1004 N. Big Spring St., Suite 300 | Midland, Texas 79701 T. 432.687.5400 | C. 432.270.8753 | F. 432.687.5401

Anger is just one letter short of danger.  
Unknown

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

Be green, leave it on the screen.

Your message is ready to be sent with the following file or link attachments:

Remediation Plan.pdf

Note: To protect against computer viruses, e-mail programs may prevent sending or receiving certain types of file attachments. Check your e-mail security settings to determine how attachments are handled.

This e-mail and any files transmitted with it are the property of Arcadis. All rights, including without limitation copyright, are reserved. This e-mail contains information which may be confidential and may also be privileged. It is for the exclusive use of the intended recipient(s). If you are not the intended recipient(s) 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 e-mail and destroy any copies of it. Whilst reasonable precautions have been taken to ensure no software viruses are present in our emails we cannot guarantee that this e-mail or any attachment is virus-free or has not been intercepted or changed. Any opinions or other information in this e-mail that do not relate to the official business of Arcadis are neither given nor endorsed by it.

---

This email has been scanned by the Symantec Email Security.cloud service.  
For more information please visit <http://www.symanteccloud.com>

---

---

This email has been scanned by the Symantec Email Security.cloud service.  
For more information please visit <http://www.symanteccloud.com>

---