

Correspondence

Bratcher, Mike, EMNRD

From: Gladden, Natalie [Natalie.Gladden@apachecorp.com]
Sent: Tuesday, April 12, 2011 12:38 PM
To: Bratcher, Mike, EMNRD; Dade, Randy, EMNRD
Cc: Stockton, Billy
Subject: Empire Abo Unit C49 SWD - Proposal

Mike/Randy,

As you are aware of the release at the above mentioned facility that occurred on 03/29/11, Apache Corporation has excavated in areas inside the containment walls to the depths of 1' to 3' as requested by NMOCD. We have sampled the entire facility floor and at this time the chloride concentrations are ranging from 3000-ppm to 9000-ppm. The two closest water wells are about 4 miles from this facility and according to the documentation the ground water can run from 53' to 65' bgs.

As you are aware Apache just recently purchased this lease; I am fully unaware of any incidents that may have occurred in the past at this facility.

Apache Corporation would like to request the following proposal so that this release can be risked out and closed until the facility is abandoned in the future.

We propose that we take out a complete level of 3' across the entire floor of the facility, including the berms and place a 40 mill polyurethane liner on the floor and berms of this facility. We will not be able to line under the vessels and tanks, just the main floor of the facility. This will help any migration of contamination to the water table if there is any rain or other releases at this facility. The berms will be constructed to fit the SPCC Plan as well.

We appreciate your time and consideration in this matter. If you would please contact me by email or by cell at the below number, I would greatly appreciate it. I will be waiting a response.

Thank you and have a great afternoon.

Natalie Gladden

EH&S Environmental Tech
Eunice and Notree's Permian Districts
Cell 575-390-4186
Office 575-394-1503 xt 1258
natalie.gladden@apachecorp.com





New Mexico Office of the State Engineer **Water Column/Average Depth to Water**

No records found.

PLSS Search:

Township: 17S Range: 29E

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

Bratcher, Mike, EMNRD

From: Bratcher, Mike, EMNRD
Sent: Wednesday, April 13, 2011 1:28 PM
To: 'Gladden, Natalie'; Dade, Randy, EMNRD
Cc: Stockton, Billy
Subject: RE: Empire Abo Unit C49 SWD - Proposal

Tracking:	Recipient	Delivery
	'Gladden, Natalie'	
	Dade, Randy, EMNRD	Delivered: 4/13/2011 1:29 PM
	Stockton, Billy	

Natalie,

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

Mike Bratcher

NMOCD DISTRICT 2
1301 W. GRAND AVE.
ARTESIA, NM 88210
575-748-1283 EXT.108
mike.bratcher@state.nm.us

From: Gladden, Natalie [<mailto:Natalie.Gladden@apachecorp.com>]
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natalie.gladden@apachecorp.com



Bratcher, Mike, EMNRD

From: Microsoft Outlook
To: Dade, Randy, EMNRD
Sent: Wednesday, April 13, 2011 1:29 PM
Subject: Delivered: RE: Empire Abo Unit C49 SWD - Proposal

Your message has been delivered to the following recipients:

Dade, Randy, EMNRD (Randy.Dade@state.nm.us)

Subject: RE: Empire Abo Unit C49 SWD - Proposal

Bratcher, Mike, EMNRD

From: Microsoft Outlook
To: Gladden, Natalie; Stockton, Billy
Sent: Wednesday, April 13, 2011 1:29 PM
Subject: Relayed: RE: Empire Abo Unit C49 SWD - Proposal

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:

Gladden, Natalie (Natalie.Gladden@apachecorp.com)

Stockton, Billy (Billy.Stockton@usa.apachecorp.com)

Subject: RE: Empire Abo Unit C49 SWD - Proposal

Bratcher, Mike, EMNRD

From: Bratcher, Mike, EMNRD
Sent: Wednesday, April 13, 2011 3:11 PM
To: 'Gladden, Natalie'; Dade, Randy, EMNRD
Cc: Stockton, Billy
Subject: RE: Empire Abo Unit C49 SWD - Proposal

Natalie: Commencement tomorrow is fine. Please proceed.

Mike Bratcher

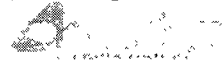
NMOCD DISTRICT 2
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mike.bratcher@state.nm.us

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Cc: Stockton, Billy
Subject: RE: Empire Abo Unit C49 SWD - Proposal

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Natalie Gladden

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Cell 575-390-4186
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natalie.gladden@apachecorp.com



From: Bratcher, Mike, EMNRD [<mailto:mike.bratcher@state.nm.us>]
Sent: Wednesday, April 13, 2011 2:29 PM
To: Gladden, Natalie; Dade, Randy, EMNRD
Cc: Stockton, Billy
Subject: RE: Empire Abo Unit C49 SWD - Proposal

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Sent: Tuesday, April 12, 2011 12:38 PM
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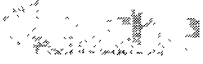
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natalie.gladden@apachecorp.com



Bratcher, Mike, EMNRD

From: Gladden, Natalie [Natalie.Gladden@apachecorp.com]
Sent: Friday, April 15, 2011 7:19 AM
To: Bratcher, Mike, EMNRD
Cc: Stockton, Billy; Carnes, Travis
Subject: RE: Empire Abo Unit C49 SWD - Proposal

Mike,

We are in place to start the boring today. I have several concerns and please advise as to what you would like to see.

#1 - Due to buried pipelines and power lines overhead we can only safely get one bore from inside the firewall area. Will this be fine with you?

#2 - Since we have the boring machine on site we are going to do a bore to find the ground water if any. If we do find ground water do you want us to develop the well or backfill with cement?

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From: Bratcher, Mike, EMNRD [<mailto:mike.bratcher@state.nm.us>]
Sent: Wednesday, April 13, 2011 4:11 PM
To: Gladden, Natalie; Dade, Randy, EMNRD
Cc: Stockton, Billy
Subject: RE: Empire Abo Unit C49 SWD - Proposal

Natalie: Commencement tomorrow is fine. Please proceed.

Mike Bratcher

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1301 W. GRAND AVE.
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mike.bratcher@state.nm.us

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Sent: Wednesday, April 13, 2011 1:34 PM
To: Bratcher, Mike, EMNRD; Dade, Randy, EMNRD

Cc: Stockton, Billy

Subject: RE: Empire Abo Unit C49 SWD - Proposal

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natalie.gladden@apachecorp.com



From: Bratcher, Mike, EMNRD [<mailto:mike.bratcher@state.nm.us>]

Sent: Wednesday, April 13, 2011 2:29 PM

To: Gladden, Natalie; Dade, Randy, EMNRD

Cc: Stockton, Billy

Subject: RE: Empire Abo Unit C49 SWD - Proposal

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Thank you for returning my call this morning. As we discussed, OCD will require a delineation of contaminants in the release area. Once that data is available for review, OCD will consider a proposal for remediation and/or closure of the incident. Please notify me 48 hours prior to commencement of delineation activities. Remediation of produced fluid releases on federal surface/mineral sites may be subject to like approval by BLM.

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mike.bratcher@state.nm.us

From: Gladden, Natalie [<mailto:Natalie.Gladden@apachecorp.com>]

Sent: Tuesday, April 12, 2011 12:38 PM

To: Bratcher, Mike, EMNRD; Dade, Randy, EMNRD

Cc: Stockton, Billy

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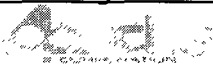
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Bratcher, Mike, EMNRD

From: Gladden, Natalie [Natalie.Gladden@apachecorp.com]
Sent: Friday, April 15, 2011 10:02 AM
To: Dade, Randy, EMNRD; Bratcher, Mike, EMNRD
Cc: Stockton, Billy; Carnes, Travis
Subject: RE: Empire Abo Unit C49 SWD - Proposal

Update on the boring. Since we are unable to bore directly inside the bermed area, we are in the process of hand digging down 6' inside the containment walls to find the lines. Once we have located the lines we will at that point try to bore. We are taking samples during the hand digging process. On the water depth bore at 30' we reached red bed mixture then at 40' we hit solid red bed, at that point we went to a total depth of 55', installed pipe to see if the well will develop by Monday. I am positive by this outcome we do not have any ground water in this area.

I will keep you all posted throughout the day.

Thanks,

Natalie Gladden

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natalie.gladden@apachecorp.com



From: Gladden, Natalie
Sent: Friday, April 15, 2011 8:26 AM
To: Dade, Randy, EMNRD
Cc: Stockton, Billy
Subject: FW: Empire Abo Unit C49 SWD - Proposal
Importance: High

Randy,

I sent the below email to Mike just a few minutes ago and I received a response that he is out till the 19th. Can you look at the below email and give me guidance as to what you would like me to do today on the above mentioned site. Thank you so much for your time.

Natalie Gladden

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Cc: Stockton, Billy; Carnes, Travis
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Bratcher, Mike, EMNRD

From: Gladden, Natalie [Natalie.Gladden@apachecorp.com]
Sent: Friday, April 15, 2011 10:10 AM
To: Bratcher, Mike, EMNRD; Dade, Randy, EMNRD
Cc: Stockton, Billy; Carnes, Travis
Subject: FW: Red WTR Station

Since we have the boring machine in the area we went ahead and bored for ground water at this facility also. We bored to 35' found red bed, drilled another 15' for a total depth of 50' and still solid red bed. We inserted pipe and will let the well develop. More information on this facility will follow once the new disposal line is completely installed and working.

Thanks,

Natalie Gladden
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Office 575-394-1503 xt 1258
natalie.gladden@apachecorp.com

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

From: Gladden, Natalie
Sent: Monday, April 11, 2011 3:04 PM
To: mike.bratcher@state.nm.us
Cc: Stockton, Billy
Subject: Red WTR Station

Due to the COG SWD being down we are having to haul our water. We had two trucks loading and apparently they both fell asleep which caused our tanks to over flow while we were still producing. Approximately 170bbbls of produced water was released, we recovered 130bbbls from inside of the berms and 30bbbls from the location. COG should have their line repaired by the end of the week. That's when we will start the remediation. We will have hand crews for inside the battery and will start with equipment on the location once the line is repaired. We will remediate the location according to standard and will discuss with you the findings on the bermed area. C141 to follow.

Sent from my iPhone

Bratcher, Mike, EMNRD

From: Gladden, Natalie [Natalie.Gladden@apachecorp.com]
Sent: Thursday, April 21, 2011 12:03 PM
To: Bratcher, Mike, EMNRD; Dade, Randy, EMNRD
Cc: Hack Conder
Subject: EPA C49 SWD and Red Water Station

Mike/Randy,

Mr. Condor and myself would like to see if we can come meet with the both of you at your office on Wednesday of next week to discuss the remediation's at the above mentioned sites. Please confirm if this will work for you and what time would be best.

Thanks,

Natalie Gladden

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