

From: [Yu, Olivia, EMNRD](#)
To: ["Lucas Middleton"](#)
Cc: [Dan Lewis](#); rmann@slo.state.nm.us
Subject: RE: SOIL REMEDIATION CLOSURE REPORT FOR THE ANGLE STATE #3 TANK BATTERY
Date: Friday, September 14, 2018 9:10:00 AM
Attachments: image001.png
approved_finalC141_1RP4670_ANGLE STATE #3.pdf

Good morning Messrs. Middleton & Lewis:

Thank you for the additional requested information. In the interest of resolution, NMOCD will grant closure to 1RP-4670. The previously submitted final C-141 in the closure report is used.

The available information indicates **OPERATOR** has met the requirements of 19.15.29 NMAC and no further corrective action is required. NMOCD considers **1RP-4670** closed. However, this determination by the Oil Conservation Division does not relieve Operator of responsibility should future information indicate a threat to ground water, surface water, human health, or the environment. Furthermore, it does not relieve Operator of responsibility for compliance with any federal, state, or local laws and/or regulations.

Approval from NMSLO required. NMSLO may have additional conditions and stipulations, related to remediation and/reclamation, as this well was plugged in September 2017.

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: Lucas Middleton <lucas.middleton@soudermiller.com>
Sent: Wednesday, August 15, 2018 8:59 AM
To: Yu, Olivia, EMNRD <Olivia.Yu@state.nm.us>
Cc: Dan Lewis <dan@abopet.com>; rmann@slo.state.nm.us
Subject: FW: SOIL REMEDIATION CLOSURE REPORT FOR THE ANGLE STATE #3 TANK BATTERY

Ms. Yu,
Attached is a photo log, Sample Map, Sample GPS Location List and KMZ.

For the request on the 5ft. further sample. During excavation refusal was hit at 1.5 feet below ground surface (bgs). Also we have videos of refusal at L1-L5. According to the Web Soil Survey the soil type is KU—Kimbrough-Lea complex and has cemented material from 10”-80” bgs.

Thank you

Lucas Middleton

From: Yu, Olivia, EMNRD <Olivia.Yu@state.nm.us>
Sent: Wednesday, August 01, 2018 10:43 AM
To: Dan Lewis <dan@abopet.com>; Lucas Middleton <lucas.middleton@soudermiller.com>
Cc: rmann@slo.state.nm.us
Subject: RE: SOIL REMEDIATION CLOSURE REPORT FOR THE ANGLE STATE #3 TANK BATTERY

Good morning Mr. Lewis:

Thank you for the reminder. NMOCD specified a condition to approving the delineation and remediation plan for 1RP-4670 in the email dated from October 18, 2017. Please see attachment for your convenience. All relevant information is also uploaded to NMOCD online. These data were not provided in the closure report. If additional data were collected, please provide. Are there photo documentation of the remedial activities?

Thanks,
Olivia

From: Dan Lewis <dan@abopet.com>
Sent: Wednesday, August 1, 2018 9:32 AM
To: 'Lucas Middleton' <lucas.middleton@soudermiller.com>; Yu, Olivia, EMNRD <Olivia.Yu@state.nm.us>
Cc: rmann@slo.state.nm.us
Subject: RE: SOIL REMEDIATION CLOSURE REPORT FOR THE ANGLE STATE #3 TANK BATTERY

All, I am uncertain where we are in the process and what I need to do as an operator. Can someone please let me know, I don't want to be the one holding up the process of getting this location corrected and released.

Thanks,
Dan Lewis
CFO
Abo Empire, LLC
575-736-3082

From: Lucas Middleton [<mailto:lucas.middleton@soudermiller.com>]
Sent: Thursday, June 21, 2018 4:38 PM
To: Yu, Olivia, EMNRD

Cc: dan@abopet.com; rmann@slo.state.nm.us

Subject: RE: SOIL REMEDIATION CLOSURE REPORT FOR THE ANGLE STATE #3 TANK BATTERY

Ms. Yu,

The land owners will be include in communications from now on for future projects.

We believe the groundwater determination is valid, we picked wells based on proximity and lithology . We further ran a USGS well search and found no significant difference between our determination in this report compared to the USGS wells.

From: Yu, Olivia, EMNRD <Olivia.Yu@state.nm.us>

Sent: Thursday, June 21, 2018 8:26 AM

To: Lucas Middleton <lucas.middleton@soudermiller.com>; Mann, Ryan <rmann@slo.state.nm.us>

Cc: dan@abopet.com

Subject: RE: SOIL REMEDIATION CLOSURE REPORT FOR THE ANGLE STATE #3 TANK BATTERY

Good morning Mr. Middleton:

Notes:

- Please remember to include NMSLO in all communications and report submittals. 1RP-4670 is on State surface and mineral ownerships. The email from October 16, 2017 explicitly mentioned this.
- For future reports, please check USGS database for depth to groundwater estimation in addition to NMOSE. Although the depth to groundwater is still estimated to be > 100 ft. bgs, the USGS wells in the vicinity have more recent data than NMOSE.

The closure report for 1RP-4670 is DENIED. Please refer to the email dated October 18, 2018 for stipulations to the approved proposed delineation/remediation plan.

NMSLO may have additional remediation concerns along with any reclamation requirements.

Thanks,
Olivia

From: Lucas Middleton <lucas.middleton@soudermiller.com>

Sent: Thursday, May 24, 2018 11:21 AM

To: Yu, Olivia, EMNRD <Olivia.Yu@state.nm.us>

Cc: dan@abopet.com

Subject: SOIL REMEDIATION CLOSURE REPORT FOR THE ANGLE STATE #3 TANK BATTERY

Good Morning,

On behalf of Abo Empire LLC, I am submitting the SOIL REMEDIATION CLOSURE REPORT FOR THE

ANGLE STATE #3 TANK BATTERY

(1RP-4670), LEA COUNTY, NEW MEXICO. The closure is attached to this email.

Feel Free to contact me with any questions or concerns on this closure.

Have a great day!

Lucas Middleton
Staff GeoScientist
(575) 499-9244 (mobile)



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Detailed Site and Sample Map
 Angle State #3- ABo Empire
 S:9 T17S, R34E , New Mexico

Figure 2

Date Saved: 8/15/2018	Revisions	
	By: _____	Date: _____ Descr: _____
	By: _____	Date: _____ Descr: _____
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Drawn	Lucas Middleton
Checked	_____
Approved	_____



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Angle State #3 Sample Locations

Name	Latitude	Longitude
P1	32.84713	-103.563133
BG	32.84702	-103.563121
L1	32.84707	-103.563367
L2	32.84712	-103.56332
L3	32.84713	-103.563385
L4	32.84711	-103.563475
L5	32.84717	-103.56333
L6	32.84716	-103.563366
North SW	32.84716	-103.563384
South SW	32.84704	-103.563364
East SW	32.84711	-103.563318
West SW	32.84714	-103.563459



PHOTO LOG FOR ANGLE STATE #3 1RP-4670

Photos Collected from SMA field Staff



Photo 1



Well Head Sign 9/25/17

Photo 2



Over spray area edge looking west 9/25/17

Photo 3



Over spray area sample P1 collected 1/31/18

Photo 4



Excavation Area 1/31/18 looking south

Photo 5



Location after equipment removal looking North
4/23/18

Photo 6



Location after equipment removal looking east
4/23/18

Photo 7



L5 refusal 4/23/18

Photo 8



Excavation of North side wall 4/23/18

Photo 9



L3 refusal 4/23/18

Photo 10



Excavation of the East side wall 4/23/18

Photo 11



Material excavated from L2 4/23/18

Photo 12



Material excavated and final depth 4/23/18