

From: [Yu, Olivia, EMNRD](#)
To: ["Baker, Larry"; Groves, Amber](#)
Cc: ["ddominguezepi@gmail.com"; Carnes, Travis; Henkhaus, Mark](#)
Subject: RE: 1RP-4371 Work Plan
Date: Tuesday, June 13, 2017 3:54:00 PM
Attachments: [image001.png](#)
[image002.png](#)

Dear Mr. Baker:

Considering the location of the release on and near an active lease road and the amount of unrecovered fluids on the pasture, NMOCD decides to grant approval for the delineation workplan for 1RP-4371 and the proposed remediation plan. Laboratory analyses of bottom confirmation samples from SP1/SP4, SP2 and SP3 are required. Method 300 must be used for chlorides and TPH characterization must be separated into GRO, DRO, and MRO. Please confirm.

Thanks,
Olivia

From: Baker, Larry [mailto:Larry.Baker@apachecorp.com]
Sent: Monday, April 10, 2017 1:35 PM
To: Yu, Olivia, EMNRD <Olivia.Yu@state.nm.us>; Groves, Amber <agroves@slo.state.nm.us>
Cc: 'ddominguezepi@gmail.com' <ddominguezepi@gmail.com>; Carnes, Travis <Travis.Carnes@apachecorp.com>; Henkhaus, Mark <Mark.Henkhaus@apachecorp.com>
Subject: RE: 1RP-4371 Work Plan

Ms. Yu,

Thank you for your quick response to the matter.

Also, thank you for agreeing with our interpretation on SP2 and SP3.

Regarding SP1 and SP4, according to Title 20 Chapter 6 Part 2 NMAC (Environmental Protection Water Quality Ground and Surface Water Protection) the human health standards for chlorides is 250 mg/l in groundwater, and the protective levels recommended by NMOCD are 500 mg/kg in soil.

Apache has delineated SP 1 to a depth of 1 ft. until refusal with hand tools. SP 4 in the same area as SP 1 was delineated utilizing a backhoe to depths of 2.0 to 2.5 bgs reported chlorides below the action level (176 mg/kg and 208 mg/kg respectively). Apache concludes that corrective action plan submitted to NMOCD meets the protective levels required and will be protective of any chloride impact to groundwater, being that groundwater is 73 ft. bgs.

Upon approval of this action plan, Apache will remove soils and replace as outlined in the CAP.

Apache Corporation once again respectfully requests your approval of the corrective action plan with the addendums noted above.

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

From: Yu, Olivia, EMNRD [<mailto:Olivia.Yu@state.nm.us>]
Sent: Thursday, March 30, 2017 2:17 PM
To: Groves, Amber <agroves@slo.state.nm.us>; Baker, Larry <Larry.Baker@apachecorp.com>
Cc: 'ddominguezepi@gmail.com' <ddominguezepi@gmail.com>; Carnes, Travis <Travis.Carnes@apachecorp.com>
Subject: RE: 1RP-4371 Work Plan

Dear Mr. Baker:

NMOCD accepts the 1 ft. soil removal for SP2 and 3 near the lease road for 1RP-4371. However, NMOCD still requests that additional vertical delineation is needed at SP1 and SP4. Given that the depth to groundwater is around 70 ft., vertical delineation should advance to at 7 ft. bgs, at a minimum. Please confirm.

Thanks,
Olivia

From: Groves, Amber [<mailto:agroves@slo.state.nm.us>]
Sent: Wednesday, March 29, 2017 3:56 PM
To: Baker, Larry <Larry.Baker@apachecorp.com>; Yu, Olivia, EMNRD <Olivia.Yu@state.nm.us>
Cc: 'ddominguezepi@gmail.com' <ddominguezepi@gmail.com>; Carnes, Travis <Travis.Carnes@apachecorp.com>
Subject: RE: 1RP-4371 Work Plan

Bruce,

It looks like I was not copied on your re-submittal. As you did forget to add the revegetation portion, please add that and resubmit your plan to both Olivia and I as it cannot be approved without it.

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

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From: Baker, Larry [<mailto:Larry.Baker@apachecorp.com>]
Sent: Wednesday, March 29, 2017 9:55 AM
To: Yu, Olivia, EMNRD <Olivia.Yu@state.nm.us>; Groves, Amber <agroves@slo.state.nm.us>
Cc: 'ddominguezepi@gmail.com' <ddominguezepi@gmail.com>; Carnes, Travis <Travis.Carnes@apachecorp.com>
Subject: RE: 1RP-4371 Work Plan

Ms. Yu,

My understanding after much discussion was that the area on the lease road (SP 2 and 3) would be excavated to a depth of one foot and the area in the pasture (SP 1 and 4) be excavated to a depth of 2 ft. with no further sampling. In regards to the revegetation plan I forgot to have it included and can have that added. Sample point 4 which had the highest concentration of chloride was fully delineated to below 250 ppm chlorides. Apache respectively request approval of the work plan so that the matter can be resolved. Please let me know if you have any questions or wish to discuss. Thanks and have a good day.

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

From: Yu, Olivia, EMNRD [<mailto:Olivia.Yu@state.nm.us>]
Sent: Friday, March 24, 2017 12:08 PM
To: Baker, Larry <Larry.Baker@apachecorp.com>; Groves, Amber <agroves@slo.state.nm.us>
Cc: 'ddominguezepi@gmail.com' <ddominguezepi@gmail.com>
Subject: RE: 1RP-4371 Work Plan

Dear Mr. Baker:

The revised workplan for 1RP-4371 does not include the changes that NMOCD and NMSLO had agreed upon during the meeting on March 8, 2017. My notes indicate that the area around SP 1, 2, and 4 will be excavated to 2 ft. bgs and another sample point will be established between SP2 and SP3. Also, further vertical delineation is required at SP1 & SP4 and a revegetation plan provided to NMSLO. Please confirm.

Thanks,
Olivia

From: Baker, Larry [<mailto:Larry.Baker@apachecorp.com>]
Sent: Friday, March 17, 2017 7:27 AM
To: Yu, Olivia, EMNRD <Olivia.Yu@state.nm.us>
Cc: 'ddominguezepi@gmail.com' <ddominguezepi@gmail.com>
Subject: 1RP-4371 Work Plan

Ms. Yu,

Attached is the revised of the work plan from are discussions of the site on March 8, 2017 for your review and approval. Please let me know if you have any questions or wish to discuss. Thanks and have a good day.

Bruce Baker
Apache Corporation
Environmental Technician
Northwest District
Email: larry.baker@apachecorp.com
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