

From: [Yu, Olivia, EMNRD](#)
To: zach.robbs@rxsoil.solutions; "Mann, Ryan"
Cc: "Todd Passmore"; "Jace Caraway"
Subject: RE: 1RP-5047, 1RP-5065, 1RP-5066 - Work Plan - Slick Mesa 27-1H
Date: Tuesday, August 7, 2018 7:36:00 AM

Good morning Mr. Robbins:

Acknowledged. Thank you for the clarification.

Olivia

From: zach.robbs@rxsoil.solutions <zach.robbs@rxsoil.solutions>
Sent: Wednesday, August 1, 2018 8:57 AM
To: Yu, Olivia, EMNRD <Olivia.Yu@state.nm.us>; 'Mann, Ryan' <rmann@slo.state.nm.us>
Cc: 'Todd Passmore' <tpassmore@mar-win.com>; 'Jace Caraway' <jace.caraway@rxsoil.solutions>
Subject: RE: 1RP-5047, 1RP-5065, 1RP-5066 - Work Plan - Slick Mesa 27-1H

Ms. Yu,

Yes, the identified treatment spill covers the spill area while the proposal is for a separate area. However, the material of the planned treatment cell area did not allow digging under normal conditions. Because of this, we moved the location of the treatment cell to overlap the spill area. Order of operations for this is as follows: excavate contaminated material (following all excavation guidelines discussed in proposal and email correspondences), excavate clean material in treatment cell area, backfill this clean material into any excavated area outside of treatment cell area to create walls for the cell, and then continue with our process as discussed.

I am in the Hobbs area today and tomorrow (8/1 and 8/2) if you have a few minutes and would like to discuss this in person. Thank you.

Best,
Zach

Zach Robbins I Technical and Engineering Analyst I RXSoil, Inc.
Cell: 210-400-7645 | zach.robbs@rxsoil.solutions

From: Yu, Olivia, EMNRD <Olivia.Yu@state.nm.us>
Sent: Monday, July 30, 2018 9:30 AM
To: zach.robbs@rxsoil.solutions; 'Mann, Ryan' <rmann@slo.state.nm.us>
Cc: 'Todd Passmore' <tpassmore@mar-win.com>; 'Jace Caraway' <jace.caraway@rxsoil.solutions>
Subject: RE: 1RP-5047, 1RP-5065, 1RP-5066 - Work Plan - Slick Mesa 27-1H

Good morning Mr. Robbins:

Thank you for the update. Please clarify. In the attached image, the GPS coordinates for the corners of the treatment cell as identified appear to cover the spill area, while the remediation proposal is for a separate area for the in-ground treatment cell. Is this correct?

Thanks,
Olivia

From: zach.robbins@rxsoil.solutions <zach.robbins@rxsoil.solutions>
Sent: Friday, July 27, 2018 9:29 AM
To: 'Mann, Ryan' <rmann@slo.state.nm.us>; Yu, Olivia, EMNRD <Olivia.Yu@state.nm.us>
Cc: 'Todd Passmore' <tpassmore@mar-win.com>; 'Jace Caraway' <jace.caraway@rxsoil.solutions>
Subject: RE: 1RP-5047, 1RP-5065, 1RP-5066 - Work Plan - Slick Mesa 27-1H

Mr. Mann,

RXSoil will take and test soil samples for pH and Total Organic Carbon (and inorganic) following remediation.

Ms. Yu,

RXSoil acknowledges and will adhere to both stipulations in your email dated July 24.

Attached is a Google Earth image of the spill map with field-verified corners of the treatment cell, as discussed in the Work Plan. Please note the change in location of the treatment cell from just southwest of the spill to overlapping the spill area.

Please let me know if there are any further questions. Thank you.

Best,
Zach

Zach Robbins | Technical and Engineering Analyst | RXSoil, Inc.

Cell: 210-400-7645 | zach.robbins@rxsoil.solutions

From: Mann, Ryan <rmann@slo.state.nm.us>
Sent: Wednesday, July 25, 2018 4:11 PM
To: 'Yu, Olivia, EMNRD' <Olivia.Yu@state.nm.us>; zach.robbins@rxsoil.solutions
Cc: 'Todd Passmore' <tpassmore@mar-win.com>; 'Jace Caraway' <jace.caraway@rxsoil.solutions>
Subject: RE: 1RP-5047, 1RP-5065, 1RP-5066 - Work Plan - Slick Mesa 27-1H

NMSLO also approves of the remediation plan with the following condition:

- Discrete soil samples are taken (Background and Remediated area) and tested for pH and reactive carbon.

Ideally the soil will be in better condition at the end of the project, but I want to ensure nothing vital to the soil quality is also being washed out during the process. I, admittedly, am not a soil scientist. If there are other test/metrics that assess soil quality that may be more appropriate for this application, I am open to discussion about that. Don't hesitate to call/email if you have any question/concerns.

Thanks

Ryan Mann
Remediation Specialist
Field Operation Division
(575) 392-3697
(505) 699-1989
New Mexico State Land Office
2827 N. Dal Paso Suite 117
Hobbs, NM 88240

From: Yu, Olivia, EMNRD [<mailto:Olivia.Yu@state.nm.us>]
Sent: Tuesday, July 24, 2018 2:10 PM
To: zach.robbs@rxsoil.solutions
Cc: Mann, Ryan <rmann@slo.state.nm.us>; 'Todd Passmore' <tpassmore@mar-win.com>; 'Jace Caraway' <jace.caraway@rxsoil.solutions>
Subject: RE: 1RP-5047, 1RP-5065, 1RP-5066 - Work Plan - Slick Mesa 27-1H

Mr. Robbins:

Thank you for the file. NMOCD will agree that the release area for 1RP-5047, 1RP-5065, and 1RP-5066 did not overlap the reserve pit area. Please be advised that the horizontal delineation requirement as mentioned in the email dated June 27, 2018 still applies.

NMOCD will grant approval for the proposed remediation plan with these stipulations:

1. Bottom and sidewall samples must be tested for Benzene, BTEX, TPH extended, and chlorides to complete release characterization. Confirmation samples must be marked on a scaled map, in relation to the release area, or provided in tabulated format.
2. Dated photo documentation of the remedial activities, including proper emplacement of a liner, is required.

Like approval from NMSLO required. NMSLO may have additional concerns or stipulations.

Thanks,
Olivia

From: zach.robbs@rxsoil.solutions <zach.robbs@rxsoil.solutions>

Sent: Wednesday, July 18, 2018 7:56 AM

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

Cc: 'Mann, Ryan' <rmann@slo.state.nm.us>; 'Todd Passmore' <tpassmore@mar-win.com>; 'Jace Caraway' <jace.caraway@rxsoil.solutions>

Subject: RE: 1RP-5047, 1RP-5065, 1RP-5066 - Work Plan - Slick Mesa 27-1H

Ms. Yu,

Thank you for the link. It appears to have successfully uploaded on my end.

Thanks for the help.

Best,

Zach

Zach Robbins | Technical and Engineering Analyst | RXSoil, Inc.

Cell: 210-400-7645 | zach.robbins@rxsoil.solutions

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

Sent: Monday, July 16, 2018 5:17 PM

To: zach.robbins@rxsoil.solutions

Cc: 'Mann, Ryan' <rmann@slo.state.nm.us>; 'Todd Passmore' <tpassmore@mar-win.com>; 'Jace Caraway' <jace.caraway@rxsoil.solutions>

Subject: RE: 1RP-5047, 1RP-5065, 1RP-5066 - Work Plan - Slick Mesa 27-1H

Mr. Robbins:

Apparently, NMOCD IT blocks both Dropbox and Box links.

Try this: <https://varonis.emnrd.state.nm.us/?linkid=KZi4zr6VWWWr8ehI8VfvlYvdQnwM9P5f4IDODS6ncAGbVD1eroCiTA>

You should have upload permission via this link. Please let me know if it does not work.

Thanks for your patience,

Olivia

From: zach.robbins@rxsoil.solutions <zach.robbins@rxsoil.solutions>

Sent: Monday, July 16, 2018 7:41 AM

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

Cc: 'Mann, Ryan' <rmann@slo.state.nm.us>; 'Todd Passmore' <tpassmore@mar-win.com>; 'Jace Caraway' <jace.caraway@rxsoil.solutions>

Subject: RE: 1RP-5047, 1RP-5065, 1RP-5066 - Work Plan - Slick Mesa 27-1H

Ms. Yu,

My apologies. Here is the share link: <https://rxsoil.box.com/s/4vb8j5gkjqnyonjdbr3mezjyksqslgcy> .

Thank you,
Zach

Zach Robbins | Technical and Engineering Analyst | RXSoil, Inc.
Cell: 210-400-7645 | zach.robbs@rxsoil.solutions

From: Yu, Olivia, EMNRD <Olivia.Yu@state.nm.us>
Sent: Monday, July 16, 2018 8:34 AM
To: zach.robbs@rxsoil.solutions
Cc: 'Mann, Ryan' <rmann@slo.state.nm.us>; 'Todd Passmore' <tpassmore@mar-win.com>; 'Jace Caraway' <jace.caraway@rxsoil.solutions>
Subject: RE: 1RP-5047, 1RP-5065, 1RP-5066 - Work Plan - Slick Mesa 27-1H

Good morning Mr. Robbins:

Thank you for the info. However, the link is not accessible. Please check permission/share settings for the Box account.

Olivia

From: zach.robbs@rxsoil.solutions <zach.robbs@rxsoil.solutions>
Sent: Friday, July 13, 2018 11:39 AM
To: Yu, Olivia, EMNRD <Olivia.Yu@state.nm.us>
Cc: 'Mann, Ryan' <rmann@slo.state.nm.us>; 'Todd Passmore' <tpassmore@mar-win.com>; 'Jace Caraway' <jace.caraway@rxsoil.solutions>
Subject: RE: 1RP-5047, 1RP-5065, 1RP-5066 - Work Plan - Slick Mesa 27-1H

Ms. Yu,

The best visualization we have is the video at the following link:
<https://app.box.com/file/304115479533> . I have attached a screenshot from this video. This is from 05/16/2018.

Thank you,
Zach

Zach Robbins | Technical and Engineering Analyst | RXSoil, Inc.
Cell: 210-400-7645 | zach.robbs@rxsoil.solutions

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

Sent: Wednesday, July 11, 2018 2:54 PM

To: zach.robbins@rxsoil.solutions

Cc: 'Mann, Ryan' <rmann@slo.state.nm.us>; 'Todd Passmore' <tpassmore@mar-win.com>; 'Jace Caraway' <jace.caraway@rxsoil.solutions>

Subject: RE: 1RP-5047, 1RP-5065, 1RP-5066 - Work Plan - Slick Mesa 27-1H

Mr. Robbins:

NMOCD requests actual dated photos verifying that the edge of the release area for 1RP-5047, 1RP-5065, and 1RP-5066 did not flow over the nearest margin of the aforementioned reserve pit.

Thanks,
Olivia

From: zach.robbins@rxsoil.solutions <zach.robbins@rxsoil.solutions>

Sent: Monday, July 2, 2018 10:29 AM

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

Cc: 'Mann, Ryan' <rmann@slo.state.nm.us>; 'Todd Passmore' <tpassmore@mar-win.com>; 'Jace Caraway' <jace.caraway@rxsoil.solutions>

Subject: RE: 1RP-5047, 1RP-5065, 1RP-5066 - Work Plan - Slick Mesa 27-1H

Ms. Yu,

The current evidence of this reserve pit are raised soil, salt scars and plastic remnants in the ground. The outline was determined from historical satellite imagery from Google Earth dated 6/30/2005 (attached). The current spill map provides evidence that this release did not come in contact with this pit. RXSoil would like to keep all excavation at least 10' from this pit to not disturb any of the soil or liner in it. Sidewall samples will still be taken throughout the excavation areas.

Please let me know if there is more information needed for this.

Thank you,
Zach

Zach Robbins | Technical and Engineering Analyst | RXSoil, Inc.

Cell: 210-400-7645 | zach.robbins@rxsoil.solutions

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

Sent: Wednesday, June 27, 2018 12:58 PM

To: zach.robbins@rxsoil.solutions

Cc: 'Mann, Ryan' <rmann@slo.state.nm.us>; Todd Passmore <tpassmore@mar-win.com>; 'Jace Caraway' <jace.caraway@rxsoil.solutions>

Subject: RE: 1RP-5047, 1RP-5065, 1RP-5066 - Work Plan - Slick Mesa 27-1H

Mr. Robbins:

NMOCD would consider vertical delineation for 1RP-5047, 1RP-5065, and 1RP-5066 completed. However, please be advised that although the area represented by BH-5 does not seem to necessitate remediation, horizontal delineation still needs to be completed for the specified section of the release area. Field data along with representative laboratory analyses of soil samples taken at the edges of the southern portion (i.e., release area for BH-5 not marked in red for proposed excavation on Figure 3 & 4) will be required.

Also, how was the reserve pit location determined? NMSLO and NMOCD will confer and respond back in terms of the proposed remediation plan.

Thanks,
Olivia

From: zach.robbins@rxsoil.solutions <zach.robbins@rxsoil.solutions>
Sent: Friday, June 22, 2018 11:51 AM
To: Yu, Olivia, EMNRD <Olivia.Yu@state.nm.us>
Cc: 'Mann, Ryan' <rmann@slo.state.nm.us>; Todd Passmore <tpassmore@mar-win.com>; 'Jace Caraway' <jace.caraway@rxsoil.solutions>
Subject: 1RP-5047, 1RP-5065, 1RP-5066 - Work Plan - Slick Mesa 27-1H

Hello Ms. Yu,

Attached is RXSoil's proposed Work Plan for the remediation project of the releases listed in the subject line.

Please reach out with any questions or clarifications. Thank you.

Best,
Zach

Zach Robbins | Technical and Engineering Analyst | RXSoil, Inc.
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zach.robbins@rxsoil.solutions

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