

From: [Fernandez, Juliette](#)
To: [Radke, Bill](#); [McIntyre, Julie](#); [Reagan, Steve](#)
Subject: Re: [EXTERNAL] RE: Dust control chemical around refuge
Date: Friday, May 29, 2020 3:38:04 PM

They have thrown a lot of requests for use our way lately. Can we work together to confirm the following? If we know of another chemical that will work well but is more environmentally friendly, we can certainly substitute that in. I was trying to pull together information from previous discussions. I think we need to get a response back to them ASAP so we can ensure the right one is used prior to monsoons.

To avoid impacts to wildlife, we request the use of one of these chemicals in order of preference:

1. Aztec Environmental - Dust Zero Dust Palliative
2. Brazos – Lignin Sulfonate- BIS Ligno 10 Lignin Sulfonate
3. Dust Zero Acrylic Co-Polymer

We request that the following chemicals or any chemicals containing calcium chloride or magnesium chloride not be used within one mile from any refuge or endangered species critical habitat to limit the potential for the chemicals finding their way into surface waters and impacting listed species. Both calcium chloride and magnesium chloride alter water chemistry, hamper dissolved oxygen distribution, and can be toxic to fish, vegetation and groundwater. Mammals are drawn to the salt composition of these chemicals, and serious illness will result to mammals from licking or eating off of roads treated with magnesium chloride.

1. Soilworks – Soiltac CB
2. Desert Mountain Corporation - Road Loc
3. Aztec Environmental - Dust Zero Dust Palliative
4. Clean Track

Juliette Fernandez
Refuge Supervisor AZ/NM

Juliette Fernandez | U.S. Fish and Wildlife Service | Refuge Supervisor AZ/NM | P.O. Box 1306, Rm 4112, Albuquerque NM, 87103-1306 | 505-248-6650 Office | 505-933-3501 Cell

From: Radke, Bill <bill_radke@fws.gov>
Sent: Friday, May 29, 2020 3:11 PM
To: Fernandez, Juliette <juliette_fernandez@fws.gov>; McIntyre, Julie <julie_mcintyre@fws.gov>
Subject: Re: [EXTERNAL] RE: Dust control chemical around refuge

Juliette and Julie; You can probably understand our complete frustration with the contractor using the very product that we have repeatedly identified from the beginning of this project as being toxic to aquatic systems and which they should not use in the watershed that drains into SBNWR critical habitat. The time we have spent investigating, reviewing, and commenting on subsequent products has not really paid off for SBNWR with the rainy season now one month away. How can we best overcome these communication gaps and the very negative consequences? It seems as simple as the contractor notifying USACE of their plan to do something adjacent to the refuge (drill a new well, build a road across an upstream wash, pour dust control chemicals on the roads), then USACE could request our input into the proposal during one of the weekly agency calls, and then we identify potential concerns that should be addressed before the activity occurs. How can this not be a BMP for better success? I realize I am likely being too idealistic. Thanks, Bill

From: Fernandez, Juliette <juliette_fernandez@fws.gov>
Sent: Friday, May 29, 2020 10:20 AM
To: Radke, Bill <bill_radke@fws.gov>; Reagan, Steve <steve_reagan@fws.gov>
Subject: Fw: [EXTERNAL] RE: Dust control chemical around refuge

Juliette Fernandez
Refuge Supervisor AZ/NM

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From: Nguyen, Brandon SPB <Brandon.Nguyen@usace.army.mil>
Sent: Friday, May 29, 2020 11:16 AM
To: Fernandez, Juliette <juliette_fernandez@fws.gov>; Barnes, Michelle L CIV USARMY CESPL (USA) <MICHELLE.L.BARNES@usace.army.mil>; (b) (6), (b) (7) <(b) (6), (b) (7)(C) >; Range, Brent K <brent_range@ios.doi.gov>; Reagan, Steve <steve_reagan@fws.gov>
Subject: [EXTERNAL] RE: Dust control chemical around refuge

Juliette,
I was informed that Brazos Mag Chloride was the chemical used; we are diligently working on the dust suppressant products and procedures designed to be more informed on tracking and monitoring contractors when applying approved chemicals at designated locations.

Thank you.
Brandon N.

From: Fernandez, Juliette <juliette_fernandez@fws.gov>
Sent: Saturday, May 23, 2020 6:25 PM
To: Nguyen, Brandon SPB <Brandon.Nguyen@usace.army.mil>; Barnes, Michelle L CIV USARMY CESPL (USA) <MICHELLE.L.BARNES@usace.army.mil>; (b) (6), (b) (7) <(b) (6), (b) (7)(C) >; Range, Brent K <brent_range@ios.doi.gov>; Reagan, Steve <steve_reagan@fws.gov>
Subject: [Non-DoD Source] Fwd: Dust control chemical around refuge

Brandon and Shelly,
Could you confirm what chemical was used on these locations?

Thank you,

Juliette Fernandez
Refuge Supervisor AZ/NM
[505-248-6650](tel:505-248-6650) Office
[505-933-3501](tel:505-933-3501) Cell

Begin forwarded message:

From: "Radke, Bill" <bill_radke@fws.gov>
Date: May 23, 2020 at 6:02:23 PM MDT
To: "Fernandez, Juliette" <juliette_fernandez@fws.gov>

Subject: Fwd: Dust control chemical around refuge

Hi Juliette; Please learn what was used, if possible. It may have been the polymer. Thank you, Bill

William R. Radke; Project Leader
U.S.Fish and Wildlife Service
Buenos Aires, Leslie Canyon, & San Bernardino NWRs
Cell: 520 508-7180

Begin forwarded message:

From: "Harden, Tasha" <Tasha_Harden@fws.gov>

Date: May 23, 2020 at 11:22:44 AM MST

To: "Radke, Bill" <bill_radke@fws.gov>

Subject: Dust control chemical around refuge

They sprayed GTR from blacktop end all the way out to the mm18 road. It appears they didn't spray "across" blackdraw... but it's all along the flood zone.

GTR. East of BD looking west at BD bridge



Tasha Harden
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Please Excuse Errors - Sent from my iPhone