

**From:** [Fernandez, Juliette](#)  
**To:** [Radke, Bill](#); [Harden, Tasha](#); [Culling, Stan](#); [Johnson, Lacreia](#); [Harris, Grant](#); [Reagan, Steve](#); [Stewart, David R](#); [McDowell, Kelly](#); [Slone, Sid](#); [McIntyre, Julie](#)  
**Subject:** Help needed- San B, Buenos Aires, Cabeza Prieta dust abatement  
**Date:** Wednesday, June 3, 2020 10:56:02 AM  
**Attachments:** [US Fish Wildlife Approval Letter for LANDLOCK.PDF](#)  
[OPS30 Safety Data Sheet.pdf](#)  
[OPS25 Safety Data Sheet.pdf](#)  
[Certification from Coastal Bioanalysts.pdf](#)  
[LANDLOCK & OPSDIRT- Global Case Studies - Feb 2020.pdf](#)  
[LANDLOCK & OPSDIRT - Environmental Compliance.pdf](#)  
[Copy of Dust Control.xlsx](#)  
[Dust palliative selection guide.pdf](#)

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Hi folks,

I know Bill is out this week. I'd like to get them a list of acceptable/not-acceptable chemicals to use on refuges across the board. BLM has approved their use of LANDLOCK but on initial review it is toxic to fish so it wouldn't work for us. Will someone take a pass at identifying the best chemicals for use around fish/amphibians? They will be the most sensitive and I think we should make recommendations based on that baseline.

This will allow them to use less water on roads which would be a win-win. They need this ASAP so any help you can provide to me would be great.

Sample email I would like to provide: Simple and quick

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

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From: Barnes, Michelle L CIV USARMY CESPL (USA)  
<MICHELLE.L.BARNES@usace.army.mil>  
Sent: Wednesday, June 3, 2020 10:27 AM  
To: Fernandez, Juliette; Range, Brent K; Stonum, Scott E; McIntyre, Julie; Valentine, Julie A  
Cc: (b) (6), (b) (7)(C); (b) (6), (b) (7)(C); (b) (6), (b) (7)(C); (b) (6), (b) (7)(C); (b) (6), (b) (7)(C); (b) (6), (b) (7)(C); Larrat, Eric P CIV USARMY CESAJ (USA);  
Nguyen, Brandon SPB; Fiedler, Grenade A CIV USARMY CESWD (USA)  
Subject: [EXTERNAL] FW: Landlock (UNCLASSIFIED)

Good morning,

In an effort to reduce safety hazards and water usage related to dust control across the project areas, we have been looking in to a variety of dust suppressant products. I am attaching a spreadsheet of items that we have looked at to date that I would like a little more feedback from you all if possible.

The attached product information for LandLock OpsDirt is for a product that is being utilized on the access roads in the Jacumba Wilderness Area in the El Centro area. This treatment is intended to be a one-time soil treatment that can stand up to the construction traffic for a longer term solution and should not require repeated treatment.

Many of the other products are topical products that could require multiple applications depending upon weather and traffic conditions.

As it is getting hotter and drier at this time, providing the contractors with a few alternatives is a high priority for USACE, both for safety, dust control, and to reduce the water usage on all of the project sites. A large portion of their current water use is directed towards dust control at this time.

Please review the attached product information and the spreadsheet with my notes to date on the other dust suppressant products we have inquired about to date. I would appreciate feedback from you by COB Friday if at all possible. I have added weblinks to each of the products where available, but do have additional product information that I could send you if needed.

Additionally, the brochure from the USDA that Paul Enriquez discussed on a recent conference call is attached for your review as well.

Thank you,

Shelly Barnes  
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