

From: [Wood, Charles R](#)
To: [Orms, Mary](#)
Subject: RE: SpaceX
Date: Thursday, April 20, 2023 10:56:34 AM
Attachments: [image001.png](#)
[image002.png](#)

I just saw the headlines and watched the video on CNET. I can only imagine the boom and what the lift off noise was like. https://youtu.be/t9wmWZbr_wQ

I was wondering about the blast radius from the lift off. It seemed to engulf the entire launch facility and then some. If it was throwing debris far enough to damage parked cars and camera crews, they are going to need to re-think the safety zone and the impact area in the EA / EIS.



<https://www.cnet.com/videos/spacex-starship-flight-test-ends-with-a-bang/>



Chip Wood

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Email: charles_wood@ios.doi.gov

From: Orms, Mary <mary_orms@fws.gov>

Sent: Thursday, April 20, 2023 9:44 AM
To: Wood, Charles R <charles_wood@ios.doi.gov>
Subject: Fw: SpaceX

Just for your info. The one commentator on you tube the noise was tremendous and he was 6 miles away.

From: Ardizzone, Chuck CA <chuck_ardizzone@fws.gov>
Sent: Thursday, April 20, 2023 10:39 AM
To: delaGarza, Laura <laura_delagarza@fws.gov>; Gardiner, Dawn <dawn_gardiner@fws.gov>; Orms, Mary <mary_orms@fws.gov>; Leiva, Adriana <adriana_leiva@fws.gov>; Stone, Kelli L <kelli_stone@fws.gov>; Harrell, Wade <wade_harrell@fws.gov>
Subject: Re: SpaceX

story and video

<https://www.newsmax.com/us/spacex-starship-launch-elon-musk/2023/04/20/id/1116889/>

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17629 El Camino Real, Ste 211
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From: delaGarza, Laura <laura_delagarza@fws.gov>
Sent: Thursday, April 20, 2023 10:27
To: Gardiner, Dawn <dawn_gardiner@fws.gov>; Orms, Mary <mary_orms@fws.gov>; Ardizzone, Chuck CA <chuck_ardizzone@fws.gov>; Leiva, Adriana <adriana_leiva@fws.gov>; Stone, Kelli L <kelli_stone@fws.gov>; Harrell, Wade <wade_harrell@fws.gov>
Subject: Re: SpaceX

I noticed all the sand blown about and immediately thought of the displacement of it. I'm sure there will be impacts to the flats.

I wonder how the birds faired?

Laura M. de la Garza
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(I am on telework status until further notice, please email or call my work cell)

Matthew 6:21 "For where your treasure is, there will your heart be also"

From: Gardiner, Dawn <dawn_gardiner@fws.gov>

Sent: Thursday, April 20, 2023 10:03 AM

To: Orms, Mary <mary_orms@fws.gov>; delaGarza, Laura <laura_delagarza@fws.gov>; Ardizzone, Chuck CA <chuck_ardizzone@fws.gov>; Leiva, Adriana <adriana_leiva@fws.gov>; Stone, Kelli L <kelli_stone@fws.gov>; Harrell, Wade <wade_harrell@fws.gov>

Subject: Fw: SpaceX

From: Perez, Chris <chris_perez@fws.gov>

Sent: Thursday, April 20, 2023 10:00 AM

To: Marsan, Joan D <joan.marsan@sol.doi.gov>; DeLaGarza, Imer <Imer_DeLaGarza@fws.gov>; Perez, Sonny <sonny_perez@fws.gov>; Gardiner, Dawn <dawn_gardiner@fws.gov>

Subject: Re: SpaceX

SpaceX has initiated the anomaly response plan to address the debris from this launch. As soon as the area is safe to enter, I expect to tour the site to assess post-launch impacts. I don't expect debris from the ship/booster since it was aborted off the coast but the launch itself expelled lots of debris and started a grass fire. Camera equipment and vehicles left across the highway were significantly damaged and pieces strewn about. Concrete pieces and debris from the pad also seem to have been cast out.

From: Marsan, Joan D <joan.marsan@sol.doi.gov>

Sent: Thursday, April 20, 2023 9:58 AM

To: DeLaGarza, Imer <Imer_DeLaGarza@fws.gov>; Perez, Chris <chris_perez@fws.gov>; Perez, Sonny <sonny_perez@fws.gov>; Gardiner, Dawn <dawn_gardiner@fws.gov>

Subject: SpaceX

Hi, all,

Just checking in to see how this morning's launch treated you all and the Refuge...

Joan

Joan D. Marsan (she/her)

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