
From: [REDACTED]
Sent: Friday, October 29, 2021 1:57 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Let them fly , government would probably have grounded the Wright Brothers.

From: [REDACTED]
Sent: Friday, October 29, 2021 2:00 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Hi I am based in the UK and have been following SpaceX development in Boca Chica Texas since the very beginning. I believe the US government would make a huge mistake in denying SpaceX the ability to launch starship from this facility. It would set the USA back decades in space exploration and making humanity a multi planetary species. Ontop of this set back it would allow other countries such a Russia and China to take lead in space exploration while the US is on the back foot for the first time in space history. I am a huge environmental minded person , I even have a buisness selling renewable energy and picking up plastic from our streets in the UK plus being a big animal conservationists. However there are any things that SpaceX can do and fund to minimise the impact to local environment. I hope the US make the right decision to allow SpaceX to continue with their prototyping at Boca Chica and be the first country in the world to make us humans multi planetary. Best Regards Michael Caller London UK

From: [REDACTED]
Sent: Friday, October 29, 2021 2:01 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Let it fly. Space travel has risks but we chose to go there not because it is easy but because it is hard. Get out of the way we are trying to save the human race. Let Noah's Ark fly.

From: [REDACTED]
Sent: Friday, October 29, 2021 2:02 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Please! Let spacex move on with the project and the starship program, humanity need this as it's a real revolution and it give people of the world hope while many things are hard in today's reality. Tesla/SpaceX are on your side as they evolve; you will be granted a wider space to regulate and supervise they progress.

From: [REDACTED]
Sent: Friday, October 29, 2021 2:03 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Please let spacex continue to develop, test and fly starship. A once in a lifetime opportunity that deserves to be fast traced and supported at every opportunity by the public and government alike.

From: [REDACTED]
Sent: Friday, October 29, 2021 2:07 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Please gives permission to Starship for his orbital lunch Why are you stop humanity multiple plantery Species.....

From: [REDACTED]
Sent: Friday, October 29, 2021 2:07 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

I support SpaceX on continuing developing and testing start ship.

From: [REDACTED]
Sent: Friday, October 29, 2021 2:09 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

I could give pages on why it is important for us to be a space faring civilizatoion or important politicanlly of being in the lend. but The environmental impact to remove it now is about the same as if it all goes wrong with the worst case scenario. So please let launch thank you Robert Mcbrayer

From: [REDACTED]
Sent: Friday, October 29, 2021 7:41 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

As Director, and now Director Emeritus of the Caesar Kleberg Wildlife Research Institute at TAMU-Kingsville, I have testified against many potential environmental impacts that affect South Texas, one of the most biodiverse regions in North America. It is my Professional belief that Space X will be an unmitigated disaster for wildlife and wild places of this gem of biodiversity.

From: [REDACTED]
Sent: Friday, October 29, 2021 2:09 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

I am deeply concerned about the mischaracterization of impacts on birds and other wildlife from SpaceX operations in Boca Chica, where the company's Starship/Super Heavy Project and launch site are being built and expanded. Of much greater concern should be the high level of unregulated off-road vehicle usage of the entire footprint of the 'preserve' which causes substantially more environmental damage than the possible damage done from a launch, on SpaceX's private property. Aerial or satellite images of the 'preserve' display off-roading everywhere. Mud flats, dune lines, beach, and scrub are all covered with the parallel tracks of off-road vehicles. Merritt Island's wildlife preserve has shown that wildlife can co-exist with a number of launches from permanent launch structures (animals are smart enough to stay away from those areas of human activity for the most part) and little to no recreational off-roading is allowed. In fact, closures for launches on Boca Chica probably cuts down on wildlife impact due to lack of off-road vehicles destroying habitat, disturbing and running over animals and nesting areas. However, SpaceX should be directed to develop necessary wildlife environmental mitigation measures. Respectfully submitted, Raymond H. Blumel Jr. [REDACTED]
[REDACTED]

From: [REDACTED]
Sent: Friday, October 29, 2021 2:09 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

I support Space X

From: [REDACTED]
Sent: Friday, October 29, 2021 2:10 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

absolutely allow SpaceX to launch from Boca Chica and let them continue with their space missions! This is the best thing happening right now, not to mention an amazing future for all of humanity. Cut the [REDACTED] out of this! The worse thing is a narrow minded view as well as a closed mind!

From: [REDACTED]
Sent: Friday, October 29, 2021 2:10 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

To whom it may concern, Hi STARSHIP MUST FLY!!! It's to important for humanity...

From: [REDACTED]
Sent: Friday, October 29, 2021 2:13 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

We need space x to continue with the development of starship as quickly as possible This is historical moment for America and humanity. Either help or get out of the way. This country needs this type of mind blowing progress We as a country need to remember That this is the greatest country. We as Americans set the stage for what is possible. Thank you.

From: [REDACTED]
Sent: Friday, October 29, 2021 2:13 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

My comment is in Favor of SpaceX, this company is taking the first steps to making humanity a multiplanetary species, please don't make the mistake of not letting it happen, think about the kids and the people this will inspire, it will not only be something good for Texas, but for the whole United States, this is the new space race, The new Apollo, I have been fortunate enough to visit Boca Chica and Starbase, and it inspired me for the future, please I'm begging you, let SpaceX fly

From: [REDACTED]
Sent: Friday, October 29, 2021 2:13 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Please let Space X proceed with their Starship Program and specifically approve the Launch of Starship 20 and to keep their tower up. The FAA should take reasonable steps to insure safety but should also not bow to pressure to those we would slow or even stop Space X's innovation.

From: [REDACTED]
Sent: Friday, October 29, 2021 2:14 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Let SpaceX continue its work! Regulatory approval is essential! One of the most important endeavors in human history - The work must go on!

From: [REDACTED]
Sent: Friday, October 29, 2021 2:19 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Hello FAA, thank you for your time. I don't live in the Cameron County area, or even Texas, so why do my views matter? Because where I live you can't put a major orbital-class rocket launch site or factory. SpaceX is there now because it is as far South as they can go while remaining in the US, and it is right against the ocean which is important for what they are trying to build. There are only a few sites in the nation that will work and most are already taken. If they could build this rocket factory near me in Southwestern Virginia I would be happy, but they can't. What SpaceX is doing with Starship is good for the nation and good for our future. Accommodate them, I beg you. In a few short years, China will have its own copy of Starship and we need this time to get as far ahead of the technology as possible. SpaceX can only go so fast and the more pressure added to them the faster China catches up. I'm almost 40 and we haven't had a single manned mission to the moon in my lifetime. Break this momentum and we will soon be watching China build a base on the Moon and Mars while we sit around doing nothing. Let SpaceX make these investments for the future of the nation and humanity. Let them advance technology and drop the price of mass to orbit. Please.

From: K <[REDACTED]>
Sent: Friday, October 29, 2021 8:15 PM
To: SpaceXBocaChica
Subject: Give musk an inch, he will take a mile

End game? Once he has driven away the wildlife he will give his usual shrug of the shoulders and say there is no reason not to pave over the wetlands.

He thinks he can do what he wants and that rules don't apply to him.

He is a man child. Just today he suggested a ridiculously titled new university in Texas.

You can not take him seriously and you can never trust him. Of course he will turn on you and call you all kinds of names, that's what he does.

Stand firm and deny the license to launch.

The birds, animals and what's left of the country's wetlands are depending on you.

Thank you

From: MailCenter_VA01
Sent: Friday, October 29, 2021 9:59 AM
To: SpaceXBocaChica
Cc: MailCenter_VA01
Subject: Mail Center Document Services
Attachments: mail.pdf

The Mail Center has sent you a document.

ALLUM



METROPLEX MI 480
26 OCT 2021 PM 9 L



ATTN: Ms Stacey Zee



SpaceX PEA
c/o ICF
9300 Lee Highway
Fairfax VA 22031-1200

Scan + Hold
for shipment

Gary Allum

[REDACTED]
[REDACTED]

October 24, 2021

Ms. Stacey Zee
SpaceX PEA
c/o ICF
9300 Lee Highway
Fairfax, VA 22031-1200
SpaceXBocaChica@icf.com.

Re: SpaceX Draft PEA

Dear Ms. Stacey Zee, or
To Whom It May Concern:

Regarding the Programmatic Environmental Assessment for the proposed SpaceX Starship, Super Heavy project in Boca Chica, Texas, mankind should and will eventually become a multi-planetary species. This would require timely development and testing of the appropriate space transportation to accomplish this important task. Now is the time!

Consequently, the future of humanity involves human settlements on the moon, Mars and beyond. Please consider the importance of these developments in your assessments and regulation requirements.

Multiple and quick test launches must be performed to achieve these important goals. Any contraventions are only temporary and must be condoned and/or tolerated.

Our space program is at long last making progress. Please do not hinder this important progress by imposing complex roadblocks and making regulatory compliance difficult, if not impossible, to reasonably achieve.

I have good faith that your organization(s) will do the right thing to allow mankind to advance and survive, infinitely.



Gary Allum

From: MailCenter_VA01
Sent: Friday, October 29, 2021 9:49 AM
To: SpaceXBocaChica
Cc: MailCenter_VA01
Subject: Mail Center Document Services
Attachments: mail.pdf

The Mail Center has sent you a document.



Viking missions to Mars



George Rogers Clark, Vincennes, 1779

Ms. Stacy Zee

SpaceX PEA % ICF

9300 Lee Highway

Frying Pan VA 22031

© USPS 1979

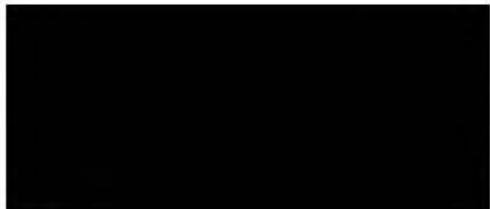
10.24.2021

Hi! ☺

So I don't know much about all these environmental regulations, but I'd still like to say that SpaceX are awesome and that I hope you can approve their project as expeditiously as possible. I'd really like to live to see this Mars thing happen.... Thanks for your time! ☺

From: MailCenter_VA01
Sent: Friday, October 29, 2021 10:03 AM
To: SpaceXBocaChica
Cc: MailCenter_VA01
Subject: Mail Center Document Services
Attachments: mail.pdf

The Mail Center has sent you a document.



OKLAHOMA CITY OK 730

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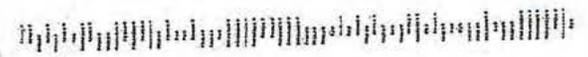


STACEY ZEE
SPACE X PEA
C/O ICF
9300 LEE HIGHWAY
FAIRFAX, VA

22031
22031-605159

SCANNED
OCT 24
EMAILED

Scan +
Hold for
shipment



10/23/21

Ms Stacey Zee
SpaceX PEA
c/o ICF
9300 Lee Highway
Fairfax, Virginia
22031

On 10/15/21 I mailed and emailed the attached letter to you. Today 10/23/21 the letter is 'missing' in the US Postal Service. I am mailing the letter to you again in case my missing letter can not be found.

Paul Perot



SENT VIA US MAIL AND EMAIL

15 October 2021

Federal Aviation Administration
Washington, DC

I am writing you today in regards to your Environmental Impact Study and SpaceX in Boca Chica Texas.

First I want to say how much I appreciate the FAA. On the rare occasion that I fly it is a comfort to know that safety precautions mandated by the FAA are in place.

Having said that,I totally disagree with any regulation which limits space activities by SpaceX in Boca Chica.

Since 2010,when it started launching supply ships to the International Space Station,SpaceX has proven itself to be a trustworthy and reliable partner with the United States government. SpaceX has worked side-by-side with NASA and the United States Air Force. SpaceX has helped re-establish the United States as the world leader in space exploration and has inspired people all over the world. The SpaceX Starship launches in 2020 and 2021 have demonstrated historic and groundbreaking flight maneuvers. In those test flights the SpaceX Starship did things no other rocket in history has ever done. It is a quantum leap forward in technology. When the SpaceX Starship is attached to the planned heavy booster it will be another history-making event. It will be the largest and most powerful rocket in human history. And it will happen in the United States. The prestige this will bring to the United States is immense.

Some of you may be familiar with history and the story of how the astronomer Galileo was tortured,imprisoned,and,forced to renounce his scientific discovery that the Earth orbited the sun. Science,technology,and,knowledge were set back hundreds of years by this single act. I see a similar situation with the FAA and SpaceX. We are at a unique point in history. SpaceX is the only realistic chance we have for travelling to Mars and beyond. If humanity misses this opportunity It may be hundreds of years before another attempt can be made.

Media reports indicate the FAA plans on allowing five Starship/Super Heavy launches per year. SpaceX will require dozens of launches per year to achieve the goal of landing humans and building a colony on Mars.

The common sense solution is immediate approval for any and all SpaceX activities when the public comment period ends on 1 November 2021. Every day that passes lessens the chance that humanity may travel to Mars.

Concern for the environment and various species of animals around Boca Chica is understandable. I would ask you to consider the future of another species. The species called Human. Space exploration is a human right. It is part of our evolutionary process. Any attempt to limit or block SpaceX activities in Boca Chica will limit and block the future of humanity.

Paul Perot

[REDACTED]

From: Andrea Hance <[REDACTED]>
Sent: Friday, October 29, 2021 2:18 PM
To: SpaceXBocaChica
Subject: Notice of Public Comment for SpaceX Starship/Super Heavy Launch Vehicle Program at SpaceX Boca Chica Launch Site
Attachments: comment.docx

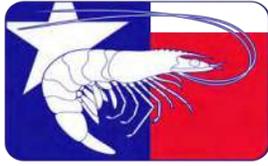
Please contact me with any questions.

Sincerely,

Andrea Hance , Executive Director Texas Shrimp Association

[REDACTED]
Phone [REDACTED]
Mobil [REDACTED]
TexasShrimpAssociation.com

TEXAS SHRIMP



ASSOCIATION

Date: November 1, 2021

To: To Whom It May Concern:

From: Texas Shrimp Association

Regarding: Notice of Public Comment for SpaceX Starship/Super Heavy Launch Vehicle Program at SpaceX Boca Chica Launch Site

On behalf of the Texas Commercial Shrimping Industry, I would like to explain why it is so important our fishing vessels have complete access to travel from the Gulf of Mexico to our fishing docks, located several miles down the Port channel.

It is imperative our vessels are able to unload the shrimp each day before 4:00 p.m. as this allows enough time to unload the shrimp and transport to the processing facility which closes each weekday at 5:00 p.m. Also, the vessel may be in distress, a crew member may need medical attention and we would never leave our shrimp (a value ranging from \$20,000 to \$200,000) unsupervised at our dock overnight.

Unfortunately, I received this notification yesterday and was not able to spend much time writing this comment.

I was also unable to review any comments made by the TPWD and/or NOAA regarding possible impacts to our estuaries and hope they were able to review and comment on a possible issue.

Please contact me anytime.

Sincerely,

Andrea Hance

Andrea Hance, Executive Director of Texas Shrimp Association



From: Tom Whiffen <[REDACTED]>
Sent: Friday, October 29, 2021 2:24 PM
To: SpaceXBocaChica
Cc: [REDACTED]
Subject: Opinion of Problems at SpaceX

People who have problems with the noise should not. I lived in the Central California Coast where Vandenberg Air Force base is located. I now live in Florida. The rockets from Vandenberg would rattle windows from Santa Maria Ca. to Santa Barbara Ca. It was beautiful to watch.

The environmental problems are also non issues. There are plenty of species in the hills around the Coastal rocket launches in Ca. And there are also species around Kennedy Spaceport.

I short, I fully support SpaceX and Elon Musk.

Thank you,

Tom Whiffen

From: Jim Suber <[REDACTED]>
Sent: Friday, October 29, 2021 10:31 AM
To: SpaceXBocaChica
Subject: Orbital Launch

Monitor SpaceX but turn them loose. I care deeply for the environment as a whole but the possibility of damage doesn't compare to the probability of gain for everyone if SpaceX is allowed to proceed. Please don't inadvertently exhort SpaceX to mediocrity. They won't go there but there but in spite of the regs, there is any number of ways that we could lose SpaceX, and we might. Please weigh the possibility of a small amount of environmental damage against the high probability of true human progress.

Thank you for what you do.

[REDACTED]

From: D. Segedin <[REDACTED]>
Sent: Friday, October 29, 2021 2:11 PM
To: SpaceXBocaChica
Subject: Our support to SpaceX, to everyone whose making such progress and request for little bit patient

Dear

If I have the proper address,
here, I wish to express my personal feeling that we should support the recent work of SpaceX

Maybe they are doing somewhere some wrong details and maybe if could be better, maybe some birds and fish around will feel bad and maybe, villages around whose suddenly start to be kind of towns will have opponents but

.. but the progress they made is unique:

- a. they making humans finally proud as in last 20+ years NASA was sleeping
- b. they making us not think about some wild Afghanistan's areas where people do not read, (and will not read in the next century)
- c. not to be focused on Covid-19, on local political and other problems
- d. will make all these war drums in many regions unimportant

We finally have something where humankind will be united as there is NOT a normal person who will not pray for their success.

Please, let us reach a moon, to reach Mars ...

some birds will maybe die, some fish will be stressed and some local guy will not reach a beach when he needs

.. but, hey, we can not be so selfish!

40 years ago my father talked to me about all these Apolo missing, we watch together Carl Sagan, we pray every time for Space Shuttle, we feel very bad when it was over with such a unique solution

...

We can be a little bit patient and take some small victims of damage who will come around the SpaceX flights but imagine if we will be fixed again on some stupid wars in Siria, Afghanistan, Ukraine, ... who knows where ... who will count there dead birds, dead fish, and guys been hired in basements for weeks?

Please provide reasonable support to SpaceX to do what is necessary, they are not doing what is in Baykonour or Cape Karneval ... let them to make our generation to feel proud

Thank you for understanding and believe me that you have a lot of followers from the Czech Republic and Croatia and all of them wish you good luck !

With kind regards

Dragan Segedin, M.Tech., Certified ScrumMaster, PRINCE2 Foundation & Practitioner

[REDACTED]
E * [REDACTED]
M + [REDACTED]
Skype: [REDACTED]

From: Charles Griffin <[REDACTED]>
Sent: Friday, October 29, 2021 12:18 PM
To: SpaceXBocaChica
Subject: Please add me to any mailing lists you have.

I am wishing to provide my options after a four day visit to the Boca Chica Launch site and the surrounding region.
Charles Griffin
Architect
Newburyport MA
[REDACTED]

From: Larisa Manescu [REDACTED] Sent You a Personal Message
<[REDACTED]>
Sent: Friday, October 29, 2021 9:44 AM
To: SpaceXBocaChica
Subject: Please listen to local impacted communities

Dear Federal Aviation Administration,

I urge the FAA to please listen to local communities about the disastrous environmental impacts of this project. We cannot and should not put communities in harm's way for the sake of space exploration at the hands of billionaires.

I am writing in opposition to SpaceX's proposed Starship/Super Heavy Launch Vehicle expansion project on Boca Chica Beach.

The SpaceX expansion project would be incredibly detrimental not only to the wildlife habitat and wetland ecosystems around it, but to the nearby communities of Brownsville, South Padre Island, and Port Isabel as well.

This project will require a massive scale of new industrialization that includes a rocket launch pad, gas power plants, desalination plant, gas drilling, and more near residential communities, between wildlife refuges, and at a public beach. Not to mention, the explosive rocket launch operations are less than six miles away from two highly flammable proposed liquefied natural gas (LNG) and a pre-existing gas pipeline.

An accident on the scale of a Starship/SuperHeavy launch vehicle would be a devastating catastrophe for the Laguna Atascosa Wildlife refuge, the Lower Rio Grande Valley Wildlife refuge as well as for nearby communities of color and endangered species like the ocelot and aplomado falcon.

At the very least, the FAA should conduct a comprehensive Environmental Impact Statement because of the size and scale of SpaceX's new launching operations. This Environmental Assessment is extremely inadequate, because it only evaluates an "initial mission profile," and does not address:

1. The FAA's claims that SpaceX's mission is to launch larger rockets in pursuit of National Space Policy goals, which were updated by Trump in 2020. These policy goals should be evaluated by the new Biden Administration, and actually reflect whether space exploration is in the interest of the public rather than private corporations seeking to profit.
2. The already damaged land and wildlife that SpaceX has already caused, in addition to the new plans that will permanently destroy acres wetlands and floodplains, 3. SpaceX's rocket launching schedule results in beach closures that would further strip away people of color's rights to fish and recreate at Boca Chica Beach by up to 800 hours per year, about an entire month.
4. Elon Musk, using his social media platforms to attract outsiders to displace a historically marginalized community. Already, longtime residents are being forced away from their beach and homes, and it doesn't help when outsiders, attracted by Elon Musk and his social media presence, displace residents by moving here or soliciting comments and opinions from people who've never even been to the region.
5. SpaceX has never consulted with the Carrizo/Comecrudo Tribe of Texas, who have ancestral ties to the region, about operations. Under the United Nation's Free, Prior, and Informed Consent, SpaceX should not be authorized without consultation and consent of the Tribe.

Additionally, the FAA should have to redo its regulatory process to accommodate the Spanish-speaking population because the public hearings and materials are not translated.

About 80% of the Rio Grande Valley community, which is directly impacted by SpaceX, speaks primarily Spanish at home. The FAA should not allow SpaceX to continue to expand to launch the Starship/Super Heavy project at Boca Chica Beach because the potential for further wildlife and land damage along with the potential explosions it could cause is just not safe for the residents of the area and is not safe for the environment.

Sincerely,

Larisa Manescu



This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Lillian Miller at Sierra Club at [REDACTED] or [REDACTED]

From: Rebecca Kling [REDACTED] Sent You a Personal Message
<[REDACTED]>
Sent: Friday, October 29, 2021 7:26 AM
To: SpaceXBocaChica
Subject: Please reconsider the SpaceX permit

Dear Federal Aviation Administration,

We need to care about actual Texans and the environment, NOT billionaires trying to go to space.

I am writing in opposition to SpaceX's proposed Starship/Super Heavy Launch Vehicle expansion project on Boca Chica Beach.

The SpaceX expansion project would be incredibly detrimental not only to the wildlife habitat and wetland ecosystems around it, but to the nearby communities of Brownsville, South Padre Island, and Port Isabel as well.

This project will require a massive scale of new industrialization that includes a rocket launch pad, gas power plants, desalination plant, gas drilling, and more near residential communities, between wildlife refuges, and at a public beach. Not to mention, the explosive rocket launch operations are less than six miles away from two highly flammable proposed liquefied natural gas (LNG) and a pre-existing gas pipeline.

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1. The FAA's claims that SpaceX's mission is to launch larger rockets in pursuit of National Space Policy goals, which were updated by Trump in 2020. These policy goals should be evaluated by the new Biden Administration, and actually reflect whether space exploration is in the interest of the public rather than private corporations seeking to profit.
2. The already damaged land and wildlife that SpaceX has already caused, in addition to the new plans that will permanently destroy acres wetlands and floodplains,
3. SpaceX's rocket launching schedule results in beach closures that would further strip away people of color's rights to fish and recreate at Boca Chica Beach by up to 800 hours per year, about an entire month.
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About 80% of the Rio Grande Valley community, which is directly impacted by SpaceX, speaks primarily Spanish at home. The FAA should not allow SpaceX to continue to expand to launch the Starship/Super Heavy project at Boca Chica Beach

because the potential for further wildlife and land damage along with the potential explosions it could cause is just not safe for the residents of the area and is not safe for the environment.

Sincerely,

Rebecca Kling



This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Lillian Miller at Sierra Club at [REDACTED] or [REDACTED]

From: Victor De Los Santos <[REDACTED]>
Sent: Friday, October 29, 2021 2:20 PM
To: SpaceXBocaChica
Subject: Public Comment in Support of SpaceX's Starship Program

Hello,

I am writing on behalf of myself to express my support for the Starship program in South Texas.

I am the executive director of the South Texas Astronomical Society, a community-based 501(c)(3) nonprofit organization operating out of Brownsville, Texas dedicated to providing space science and STEM education through outreach programs and events throughout the Rio Grande Valley.

Since moving into this position in 2019, I have made contact with many families and children across the region who are inspired by SpaceX's efforts on Boca Chica Beach. SpaceX has helped foster interest in space for people who may not have been otherwise exposed, which opens the door for organizations like ours to help nurture their interests into lifelong passions, leading them to eventually give back to their communities through science and technology.

Though I am aware that there are environmental impacts to be address, I believe it is within the capacity of the SpaceX team to work with experts to mitigate those issues — as it has been done before on other environmentally-fragile sites, such as Cape Canaveral in Florida.

Much of our educational material includes content on rockets, and by being able to incorporate SpaceX's local developments, it is easier to grasp people's attentions, and to relate science and technology directly to their personal lives. These opportunities have rapidly grown since the start of the Starship program, and have continued to do so even recently with the announcement of Starship as the Human Landing System for NASA's Artemis Program.

In conclusion: I hope to continue to have the opportunity to spread knowledge, awareness, and excitement related to the Starship program, and to help ensure that the local community benefits from the jobs and resources SpaceX is actively bringing to South Texas.

Thank you,

Victor De Los Santos
South Texas Astronomical Society
[REDACTED] | www.starsocietyrgv.org



From: Christopher Kohlman [REDACTED] Sent You a Personal Message
<[REDACTED]>
Sent: Friday, October 29, 2021 9:46 AM
To: SpaceXBocaChica
Subject: Re: Draft Programmatic Environmental Assessment for the SpaceX Starship/Super Heavy Launch Vehicle Program

Dear Federal Aviation Administration,

I am writing in opposition to SpaceX's proposed Starship/Super Heavy Launch Vehicle expansion project on Boca Chica Beach.

The SpaceX expansion project would be incredibly detrimental not only to the wildlife habitat and wetland ecosystems around it, but to the nearby communities of Brownsville, South Padre Island, and Port Isabel as well.

This project will require a massive scale of new industrialization that includes a rocket launch pad, gas power plants, desalination plant, gas drilling, and more near residential communities, between wildlife refuges, and at a public beach. Not to mention, the explosive rocket launch operations are less than six miles away from two highly flammable proposed liquefied natural gas (LNG) and a pre-existing gas pipeline.

An accident on the scale of a Starship/SuperHeavy launch vehicle would be a devastating catastrophe for the Laguna Atascosa Wildlife refuge, the Lower Rio Grande Valley Wildlife refuge as well as for nearby communities of color and endangered species like the ocelot and aplomado falcon.

At the very least, the FAA should conduct a comprehensive Environmental Impact Statement because of the size and scale of SpaceX's new launching operations. This Environmental Assessment is extremely inadequate, because it only evaluates an "initial mission profile," and does not address:

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Sincerely,

Christopher Kohlman



This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Lillian Miller at Sierra Club at [REDACTED] or [REDACTED]

From: Courtney Naquin [REDACTED] Sent You a Personal Message
<[REDACTED]>
Sent: Friday, October 29, 2021 9:40 AM
To: SpaceXBocaChica
Subject: Re: Draft Programmatic Environmental Assessment for the SpaceX Starship/Super Heavy Launch Vehicle Program

Dear Federal Aviation Administration,

I am writing in opposition to SpaceX's proposed Starship/Super Heavy Launch Vehicle expansion project on Boca Chica Beach.

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Sincerely,

Courtney Naquin



This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Lillian Miller at Sierra Club at [REDACTED] or [REDACTED]

From: Sarah Alverson ([REDACTED]) Sent You a Personal Message
< [REDACTED] >
Sent: Friday, October 29, 2021 9:35 AM
To: SpaceXBocaChica
Subject: Re: Draft Programmatic Environmental Assessment for the SpaceX Starship/Super Heavy Launch Vehicle Program

Dear Federal Aviation Administration,

I have been to the Boca Chica beach in the past year and have seen how the community is impacted. In the little time I was in the area I heard from locals about the severe impact the launch site has already caused to the community. From inadequate relocation services to disruption in access to their homes, the community has been impacted negatively and needs to be protected from further development.

I am writing in opposition to SpaceX's proposed Starship/Super Heavy Launch Vehicle expansion project on Boca Chica Beach.

The SpaceX expansion project would be incredibly detrimental not only to the wildlife habitat and wetland ecosystems around it, but to the nearby communities of Brownsville, South Padre Island, and Port Isabel as well.

This project will require a massive scale of new industrialization that includes a rocket launch pad, gas power plants, desalination plant, gas drilling, and more near residential communities, between wildlife refuges, and at a public beach. Not to mention, the explosive rocket launch operations are less than six miles away from two highly flammable proposed liquefied natural gas (LNG) and a pre-existing gas pipeline.

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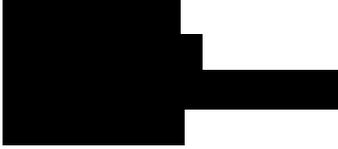
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Sincerely,

Sarah Alverson

A large black rectangular redaction box covering the signature and any contact information that might have been present.

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Lillian Miller at Sierra Club at [REDACTED] or [REDACTED]

From: Gerald Snodgrass [REDACTED] Sent You a Personal Message
<[REDACTED]>
Sent: Friday, October 29, 2021 7:51 AM
To: SpaceXBocaChica
Subject: Re: Draft Programmatic Environmental Assessment for the SpaceX Starship/Super Heavy Launch Vehicle Program

Dear Federal Aviation Administration,

They contribute to high rent prices they're going to drive me into the street I can't afford to pay my rent

I am writing in opposition to SpaceX's proposed Starship/Super Heavy Launch Vehicle expansion project on Boca Chica Beach.

The SpaceX expansion project would be incredibly detrimental not only to the wildlife habitat and wetland ecosystems around it, but to the nearby communities of Brownsville, South Padre Island, and Port Isabel as well.

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Sincerely,

Gerald Snodgrass

[REDACTED]

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Lillian Miller at Sierra Club at [REDACTED] or [REDACTED]

From: Corey Snodgrass [REDACTED] Sent You a Personal Message
<[REDACTED]>
Sent: Friday, October 29, 2021 7:41 AM
To: SpaceXBocaChica
Subject: Re: Draft Programmatic Environmental Assessment for the SpaceX Starship/Super Heavy Launch Vehicle Program

Dear Federal Aviation Administration,

I am writing in opposition to SpaceX's proposed Starship/Super Heavy Launch Vehicle expansion project on Boca Chica Beach.

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Sincerely,

Corey Snodgrass



This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Lillian Miller at Sierra Club at [REDACTED] or [REDACTED]

From: Elliott Kozuch [REDACTED] Sent You a Personal Message
<[REDACTED]>
Sent: Friday, October 29, 2021 7:30 AM
To: SpaceXBocaChica
Subject: Re: Draft Programmatic Environmental Assessment for the SpaceX Starship/Super Heavy Launch Vehicle Program

Dear Federal Aviation Administration,

I am writing in opposition to SpaceX's proposed Starship/Super Heavy Launch Vehicle expansion project on Boca Chica Beach.

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Sincerely,

Elliott Kozuch



This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Lillian Miller at Sierra Club at [REDACTED] or [REDACTED]

From: Rory Eggleston ([REDACTED]) Sent You a Personal Message
< [REDACTED] >
Sent: Friday, October 29, 2021 6:57 AM
To: SpaceXBocaChica
Subject: Re: Draft Programmatic Environmental Assessment for the SpaceX Starship/Super Heavy Launch Vehicle Program

Dear Federal Aviation Administration,

I only lived in Brownsville for just under 3 years, but Boca Chica beach is a gem of the region, and home to so much threatened flora and fauna. It is a critical area of conservation and recreation for locals, and SpaceX has done very little to protect the area from their activities.

I am writing in opposition to SpaceX's proposed Starship/Super Heavy Launch Vehicle expansion project on Boca Chica Beach.

The SpaceX expansion project would be incredibly detrimental not only to the wildlife habitat and wetland ecosystems around it, but to the nearby communities of Brownsville, South Padre Island, and Port Isabel as well.

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Sincerely,

Rory Eggleston



This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Lillian Miller at Sierra Club at [REDACTED] or [REDACTED]

From: DEBBIE LE [REDACTED] Sent You a Personal Message
<[REDACTED]>
Sent: Friday, October 29, 2021 12:26 PM
To: SpaceXBocaChica
Subject: Re: Draft Programmatic Environmental Assessment for the SpaceX Starship/Super Heavy Launch Vehicle Program

Dear Federal Aviation Administration,

I am writing in opposition to SpaceX's proposed Starship/Super Heavy Launch Vehicle expansion project on Boca Chica Beach.

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Sincerely,

DEBBIE LE

[REDACTED]

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Lillian Miller at Sierra Club at [REDACTED] or [REDACTED]

From: Camillia Shofani ([REDACTED]) Sent You a Personal Message
< [REDACTED] >
Sent: Friday, October 29, 2021 12:00 PM
To: SpaceXBocaChica
Subject: Re: Draft Programmatic Environmental Assessment for the SpaceX Starship/Super Heavy Launch Vehicle Program

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1. The FAA's claims that SpaceX's mission is to launch larger rockets in pursuit of National Space Policy goals, which were updated by Trump in 2020. These policy goals should be evaluated by the new Biden Administration, and actually reflect whether space exploration is in the interest of the public rather than private corporations seeking to profit.
2. The already damaged land and wildlife that SpaceX has already caused, in addition to the new plans that will permanently destroy acres wetlands and floodplains,
3. SpaceX's rocket launching schedule results in beach closures that would further strip away people of color's rights to fish and recreate at Boca Chica Beach by up to 800 hours per year, about an entire month.
4. Elon Musk, using his social media platforms to attract outsiders to displace a historically marginalized community. Already, longtime residents are being forced away from their beach and homes, and it doesn't help when outsiders, attracted by Elon Musk and his social media presence, displace residents by moving here or soliciting comments and opinions from people who've never even been to the region.
5. SpaceX has never consulted with the Carrizo/Comecrudo Tribe of Texas, who have ancestral ties to the region, about operations. Under the United Nation's Free, Prior, and Informed Consent, SpaceX should not be authorized without consultation and consent of the Tribe.

Additionally, the FAA should have to redo its regulatory process to accommodate the Spanish-speaking population because the public hearings and materials are not translated.

About 80% of the Rio Grande Valley community, which is directly impacted by SpaceX, speaks primarily Spanish at home. The FAA should not allow SpaceX to continue to expand to launch the Starship/Super Heavy project at Boca Chica Beach

because the potential for further wildlife and land damage along with the potential explosions it could cause is just not safe for the residents of the area and is not safe for the environment.

Sincerely,

Camillia Shofani



This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Lillian Miller at Sierra Club at [REDACTED] or [REDACTED]

From: Molly Rapozo [REDACTED] Sent You a Personal Message
<[REDACTED]>
Sent: Friday, October 29, 2021 10:31 AM
To: SpaceXBocaChica
Subject: Re: Draft Programmatic Environmental Assessment for the SpaceX Starship/Super Heavy Launch Vehicle Program

Dear Federal Aviation Administration,

Southern Texas wildlife is truly a wonder and needs to be protected at all costs. Please consider the impact that SpaceX would have on the region.

I am writing in opposition to SpaceX's proposed Starship/Super Heavy Launch Vehicle expansion project on Boca Chica Beach.

The SpaceX expansion project would be incredibly detrimental not only to the wildlife habitat and wetland ecosystems around it, but to the nearby communities of Brownsville, South Padre Island, and Port Isabel as well.

This project will require a massive scale of new industrialization that includes a rocket launch pad, gas power plants, desalination plant, gas drilling, and more near residential communities, between wildlife refuges, and at a public beach. Not to mention, the explosive rocket launch operations are less than six miles away from two highly flammable proposed liquefied natural gas (LNG) and a pre-existing gas pipeline.

An accident on the scale of a Starship/SuperHeavy launch vehicle would be a devastating catastrophe for the Laguna Atascosa Wildlife refuge, the Lower Rio Grande Valley Wildlife refuge as well as for nearby communities of color and endangered species like the ocelot and aplomado falcon.

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Sincerely,

Molly Rapozo



This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Lillian Miller at Sierra Club at [REDACTED] or [REDACTED]

From: Eve Ashley ([REDACTED]) Sent You a Personal Message
<[REDACTED]>
Sent: Friday, October 29, 2021 1:34 PM
To: SpaceXBocaChica
Subject: Re: Draft Programmatic Environmental Assessment for the SpaceX Starship/Super Heavy Launch Vehicle Program

Dear Federal Aviation Administration,

I am writing in opposition to SpaceX's proposed Starship/Super Heavy Launch Vehicle expansion project on Boca Chica Beach.

The SpaceX expansion project would be incredibly detrimental not only to the wildlife habitat and wetland ecosystems around it, but to the nearby communities of Brownsville, South Padre Island, and Port Isabel as well.

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because the potential for further wildlife and land damage along with the potential explosions it could cause is just not safe for the residents of the area and is not safe for the environment.

Sincerely,

Eve Ashley

[REDACTED]

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Lillian Miller at Sierra Club at [REDACTED] or [REDACTED]

From: J. Barry Snyder <[REDACTED]>
Sent: Friday, October 29, 2021 4:21 PM
To: SpaceXBocaChica
Cc: Fink, Lester S ENS; Captain Jason Gunning ([REDACTED]) Eduardo A. Campirano
[REDACTED] Brazos Santiago Pilots
Subject: Scanned FAA Letter re SpaceX request
Attachments: FAA Letter.pdf

Dear Ms. Zee,

Dear Sirs or Madam,

In reply to the request for comment on the proposed Brownsville Navigation District Federal Channel navigation encroachment by SpaceX, I have attached our letter with my request for your consideration.

Sincerely,

J. Barry Snyder
President/CEO

SAFETY FIRST – ALWAYS

SIGNET MARITIME CORPORATION

International Marine · LNG · Shipbuilding & Repair

[REDACTED]
T [REDACTED] | M [REDACTED] | E [REDACTED]

ISO 9001:2015 · ISM · STCW 2010 · SIGTTO · MTSA · IMO SEEMP



October 29, 2021

Federal Aviation Administration
800 Independence Avenue SW, Suite 325
Washington, DC 20591

Via Scan & USPS

Attention: Ms. Stacey M. Zee, Environmental Specialist

United States Coast Guard
249 Glasson Drive
Corpus Christi, Texas 78406-1817

Attention: Captain Hans C. Govertsen, Sector Commander

Port of Brownsville
1000 Foust Road
Brownsville, Texas 78521

Attention: Mr. Eduardo A. Campirano, Port Director, CEO

Dear Sir or Madam,

Since 1998, Signet Maritime has continuously, and without fail, serviced the Brownsville Navigation District (BND). Over those 23 years, Signet has dedicated over \$25,000,000 in USCG-certified marine assets, employed thirteen full-time, highly experienced mariners and administrative personnel, leased a 1.11-acre tract of land from BND on which it has made extensive capital improvements and from which it provides 24-hour service year-round to the Port of Brownsville. Signet provides spotless ship/barge assistance and other services within the Port, from the outer bar to inside the turning basin. We are troubled, however, by the proposed licensing action the Federal Aviation Administration (FAA) is considering, which could impede the free flow of commerce on this important navigable waterway.

The proposed licensing action may not only jeopardize existing businesses' ability to safely transit this Federal Navigable Waterway, but, if granted, SpaceX's proposed activities could have a serious environmental impact in the Port of Brownsville and surrounding areas. In particular, SpaceX's current estimates call for "annual closure hours [of] 500 hours for nominal operations and 300 hours for anomalies." Such closures will hinder environmentally friendly offshore wind energy investments.

Brazos-Santiago Port Waterway safety may be put in serious jeopardy if the FAA were to permit SpaceX's operations to encroach on 60% of the BND Federal Navigable Waterway, from the USCG maintained Sea-Buoy to the Liquid Cargo dock.

We urge the FAA, in conjunction with the USCG, BND, and others to work more closely with the Brazos Santiago Pilots, Stevedoring firms and commercial stakeholders such as Signet to come up with a less intrusive plan for SpaceX's proposed operations.

Respectfully submitted,



J. Barry Snyder
President/CEO

From: Danny Bain <[REDACTED]>
Sent: Friday, October 29, 2021 10:31 AM
To: SpaceXBocaChica
Subject: SpaceX License Review and Environmental Impact

All I see is a positive impact of the SpaceX launch facility at Boca Chica. SpaceX has not just allowed, but has encouraged their launch pad construction and other activities to remain completely public. Many web cameras (Lab Padre, Ocean Cam, and others) have recorded the activities at Boca Chica, some of which are recording 24/7. Within these recordings, you can easily see the local activities of birds and other animals do not seem to be affected in a negative manner. On the contrary, wildlife activities seem to benefit from the construction.

Many of the structures built at the launch site could offer shelter and even nesting areas for birds and other wildlife. The protective shelters could benefit these creatures and help them to survive during stormy weather. and drought. Wildlife sanctuaries are evident at the facility, and additional sanctuaries could be built specifically for that purpose.

Also obvious at the launch and construction facilities are jobs that benefit the local communities as well as communities further away from the launch complex. Individuals and families benefit from employment at SpaceX and its contractors. Just like America's first space programs, scientists, engineers, fuel specialists, educators, contractors, restaurants, motels, housing, as well as many other development and employment opportunities all benefit from what SpaceX is doing in Boca Chica and elsewhere.

As a retired military member and retired school teacher, all I have observed with SpaceX activities over the last few years is positive, and the advancement of the knowledge of our Solar System with manned spaceflight is closer than ever. I encourage the FAA to see the SpaceX activities at Boca Chica and elsewhere as completely positive and approve SpaceX licensing for the future of the American space programs.

Danny P. Bain, Ed.D.
USAF, Retired
[REDACTED]

16055

From: XxartinX LOL <[REDACTED]>
Sent: Friday, October 29, 2021 10:45 AM
To: SpaceXBocaChica
Subject: Starship

Hi I'm Antonio From Mexico, El Paso I Just Wanna Tell If We Not Prepare For colonizing mars we cannot prevent Humans Extinction

16057

From: Kimball Harmon <[REDACTED]>
Sent: Friday, October 29, 2021 1:29 PM
To: SpaceXBocaChica
Subject: Support for the rapid development of SpaceX

Please support SpaceX and stop holding up progress to making humanity a multiplanetary species!

Sent from my iPhone

From: Alan Fox <[REDACTED]>
Sent: Saturday, October 30, 2021 12:01 AM
To: SpaceXBocaChica
Subject: Alan J Fox Draft PEA comment

I am for SpaceX and giving them the ability to launch their Starship/Superheavy lift vehicle. I feel the rewards will far outweigh any risks when it comes to allowing them to continue developing the Boca Chica launch site. After seeing some of the major concerns brought up by people, I decided to address some of them from my point of view.

Concern 1- The natural gas pipeline for the desalination and methane extraction and it's potential carbon emissions.

Remark- Texas alone has over 58,000 miles of natural gas pipeline, which makes it the highest of any state. Also, many of those pipelines run through, and along, the coastlines of Texas. Also, SpaceX doesn't plan on relying on natural gas for it's energy needs in the long term, but for the short term it is the best way to get things up and running. And they're thinking long term by going as far as giving a \$100 million prize to any group that can create a scalable carbon capture solution to extract the methane needed for propellant. As for desalination, that will be a harder problem since it is such an energy demanding process, but by adding more solar and battery storage I'm sure they'll depart from fossil fuels sooner rather than later. This is a company whose owner, Elon Musk, has made the most profound impact on fighting climate change in our world's history.

Concern 2- The natural gas pipeline would need to be ran through the wildlife preserve.

Remark- In March of this year the Firth Circuit Court approved the Rio Bravo pipeline in south Texas, which runs through an area with endangered species. With the help of Fish and Wildlife they came to an agreement to keep the endangered animals safe during the process of building the pipeline. With the help of these departments a pipeline can safely and responsibly be installed. With only 70 miles of pipeline needed for the SpaceX project, it would be one of the smaller pipelines in the state that hosts the most pipeline in the USA!

Concern 3- The ecological effects to the area due to increased activity and launches.

Remark- While there is no denying the fact that increased human activity in the area will effect the ecosystem, there is no way of knowing how it would effect it or how much. There have been indications that the Kennedy Space Center in Florida has seen an increase in wildlife to the area since it's inception due to the inability of the public to access the area. I feel as though SpaceX would proactively take any and all precautions to help protect the area and the animals that live there. Any time a launch ended in explosion the SpaceX team worked diligently to clean up the debris and that is all anyone could ask for. They also have people continually picking up litter from the roads and beach areas.

Concern 3- The loss of access to Boca Chica beach during road closures.

Remark- As much as I want to see their point of view on this topic, I just can't seem to understand it. Yes, Boca Chica beach is a nice beach, but it's one of many beaches in the area, and it's far from the nicest in the area. The beach is on the dead end of the road, so the road closures don't effect any of the local residents getting home. It's just people wanting what they want, when they want. SpaceX also goes above and beyond to make sure it's accessible for the weekends, which they really don't need to do. I think the beach should be closed to the public since there are many other options in the surrounding areas. The refuge is 91,000 acres and it's not as though the public couldn't enjoy the other areas.

Concern 4- The rising costs of living due to gentrification.

Remark- The world is changing all around us, and in many places it is not for the better. Texas should be thanking SpaceX, Tesla, and Elon Musk for bringing in billions of dollars into their local economies. They will be bringing in tens of thousands of better paying jobs that will offset any increase of living, and they're actively helping to boost local economies by donating millions of dollars to help modernize the area! Between the money given for new schools, infrastructure revamping, and other projects, Boca Chica and Brownsville will be the envy of any city in the world! Not to mention the increased tourist revenue that'll pour in if they're allowed to launch again. If people can't adapt to the new world, then that is their fault alone. One thing that never changes, is that everything changes.

My final thoughts- Boca Chica and Brownsville are about to become the go to place for some of the smartest and most driven people in the entire world. Locals will bare witness to the most amazing undertaking of our time, and I wish I lived there now to be apart of it! I do want SpaceX to be responsible and take care of the local environment, but I feel that is a no brainer for them. With the help of local Fish and Wildlife, among other federal departments, there is no good reason why SpaceX should not be allowed to continue developing the facility and launch their Starship/Superheavy vehicle. Every day I tune into the live cameras that circle the facility, which leads me to my final point. There is basically nothing that is not filmed for all to see at the SpaceX Boca Chica facility. Should there be any question about something that happened, or suspicion of wrong doing, then all you would need to do is tune into one of the many YouTube channels that live stream the facility from every imaginable angle and point of view. No other company in the world would be as open as SpaceX, and that, coupled with their relationship with Nasa, should be all the reason needed to trust they'll do things properly!

Thank You,

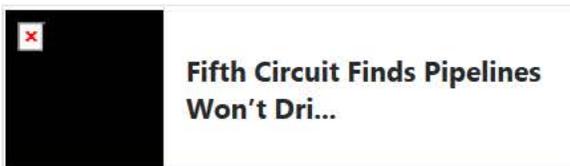
Alan J Fox
Salem, Ohio

References:

[EIA - Natural Gas Pipeline System - Southwest Region](#)



[Fifth Circuit Finds Pipelines Won't Drive Texas Cats to Extinction | Courthouse News Service](#)



From: janet q. miller <[REDACTED]>
Sent: Saturday, October 30, 2021 10:52 AM
To: Zee, Stacey (FAA)
Cc: SpaceXBocaChica; [REDACTED]
Subject: BOCA CHICA SpaceX PEA Citizen response

-----Original Message-----

From: patricia dunn <[REDACTED]>
To: JANET MILLER <[REDACTED]>
Sent: Sat, Oct 30, 2021 12:22 pm
Subject: Re: BOCA CHICA SpaceX PEA

Today there is no regard for saving anything, we have become a wasteful society and now we are endangering all creatures with our total disregard for how actions taken by a few will disrupt and even kill off some living species . It sickens me to think about what great losses we have had and will face if nothing is done to prevent these kinds of activities. Your letter is well thought out and researched. Good job !!!!

On Saturday, 30 October 2021, 12:44:22 pm GMT-4, JANET MILLER <[REDACTED]> wrote:

Sent from my iPhone

Begin forwarded message:

From: "janet q. miller" <[REDACTED]>
Date: October 29, 2021 at 4:05:31 PM CDT
To: [REDACTED]
Cc: [REDACTED]
Subject: BOCA CHICA SpaceX PEA
Reply-To: "janet q. miller" <[REDACTED]>

QUOTE from Space X founder, Elon Musk, in a tweet ***“My plan is to use the money to get humanity to Mars and preserve the light of consciousness”*** (as quoted in associated Press article, 'Stupid' and "insane": Some billionaires vent over tax plan' Hadera, October 29, 2021).

Dear Ms Zee,

From Mr. Musk's own words, one can see he cares NOTHING about our planet or our Boca Chica environment!

I am writing to provide comment on the FAA's Draft Programmatic Environmental Assessment for the SpaceX Starship Super Heavy Project at the Boca Chica Launch Site. I am very concerned

about the current state of development and activities which have already had major negative impacts and which were never evaluated in the original EIS, making this new plan to EXPAND that activity and infrastructure even more alarming. The Boca Chica area, including the Lower Rio Grande Valley National Wildlife Refuge, several Texas State Parks and the South Bay Coastal Preserve – is an ecological gem, yet it is being treated by SpaceX as if it were a wasteland. This expansion plan essentially seeks to sacrifice a publicly-owned natural resource area of hemispheric importance for a private company. I just read an informative article by the American Bird Conservancy, and the following quote is quite alarming:

“The American Bird Conservancy (ABC) is deeply concerned about the facility's impacts on wildlife habitat and species listed under the Endangered Species Act (ESA), including the federally Threatened Piping Plover and Red Knot, and the Endangered Northern Aplomado Falcon...The SpaceX facility in Boca Chica is surrounded by federal and state public lands used by hundreds of thousands of individual birds of many different species throughout the year...”

Boca Chica is an especially vital place for migratory birds that pass through there to rest and refuel so they can successfully continue and complete their migratory journeys. Also, the area contains all five seagrass species that occur in Texas, mostly fringed by dense and probably the most well-established stands of black mangrove in the state. These stands of mangrove also have considerable importance to nesting waterbirds, such as the Roseate Spoonbill. The Piping Plover, listed as Threatened under the Endangered Species Act, is one of the many species being negatively impacted by the ongoing construction of the SpaceX Starship Super Heavy Project and launch site. According to a recent analysis, the population of Piping Plovers has declined by over 50% at the site in only three years since the onset of testing and launch activities. This is an alarmingly rapid decline for a species that is already under increasing risk of extinction.

An objective Environmental Impact Assessment should be made:

- To address cumulative impacts that have yet to be recognized by the Federal Aviation Administration and SpaceX, such as fuel transport and storage at the facility, as well as massive proposed infrastructure projects including a 250 MW power plant, a natural gas plant and liquefier, and a desalination plant.
- A launch failure analysis should be part of the Environmental Impact Statement (EIS) to assess the risks to public safety and risks to the proposed infrastructure and operations at the Port of Brownsville and off-shore.
- The Federal Aviation Administration should examine more alternatives, rather than just the “all or nothing” alternatives. One of the other alternatives that should be included is moving the testing of Super Heavy to a designated large rocket testing site, such as Provo, Utah or Stennis AFB in Mississippi. The latter is where the Saturn V rocket was tested, and where the Space Launch Systems (SLS) rocket is currently being tested. Another alternative should include launching Super Heavy offshore or from Cape Canaveral.
- The Clean Water Act, Section 404 specifies the consideration of alternatives to the proposed action of filling or dredging of wetlands. SpaceX has provided no alternatives or other measures necessary to protect public health and safety.
- Construction is anticipated to permanently fill 17.16 acres of wetlands, and the filling of 25.8 acres of floodplain. No alternatives or mitigation has been provided by SpaceX.
- The Draft Programmatic Environmental Assessment mentions that noise and shock waves (far-field overpressure) may break windows on SPI and Port Isabel. If that can happen 5 miles away from the launch site, what will be the effects on birds, reptiles & small mammals that are a half mile or less from the launch site? The launch site is surrounded by national wildlife refuge and state park land.

With these and many other serious concerns in mind, I therefore must ask why is the SpaceX Starship Super Heavy Project and launch site being expanded, even though some of the infrastructure has yet to be approved by the Federal Aviation Administration (FAA). This is not a suitable site for such a volatile and damaging industry to operate. Now that this site is no longer out of sight and out of mind, I ask that the **FAA NOT approve** this proposed SpaceX expansion scheme. Instead, I ask that the FAA move to better regulate and greatly reduce operations there so that they abide by the original approval stipulations which SpaceX has sadly repeatedly violated without sufficient repercussions.

Awaiting Your Prompt Response,

Name: Janet Q. Miller

Postal Address: [REDACTED]

Email: [REDACTED]

1

From: Sarah Watson [REDACTED] Sent You a Personal Message
<[REDACTED]>
Sent: Saturday, October 30, 2021 4:23 PM
To: SpaceXBocaChica
Subject: Comment for Programmatic EA on Starship/Super Heavy launch operations

Dear Federal Aviation Administration,

I urge the FAA to conduct a new EIS for the SpaceX Starship/Super Heavy operations currently underway at SpaceX's Boca Chica site. From the 2014 FEIS, the objective, launch vehicle, and the size and scope is entirely different, which potentially may include off-shore launches via Super Heavy-class spaceports, Super Heavy re-landing on the launch stand, simultaneous launches, and a resort.

FAA should consider not just the "proposed project" and "no action" alternatives, but also other alternatives that include launches of Starship from an offshore platform or moving Starship launches to Cape Canaveral, for which the necessary infrastructure already exists and is situated further away from National Wildlife Refuges and/or state park land.

A new cumulative analysis needs to be conducted. A 3rd-party launch failure analysis is needed due to the proximity of Port Isabel, Long Island Village and potentially three LNG export terminals within five miles of the launch site. Additionally, an analysis of the potential impacts to the proposed Jupiter LLC project, a crude upgrading, processing and export facility which includes an offshore VLCC loading facility six miles offshore.

A new biological opinion is needed. The Starship is much larger, there will be more testing, more beach closures, and more traffic where endangered wildlife is present. More closures of Boca Chica beach will result in increased inaccessibility to monitoring of endangered sea turtle nesting sites.

Additionally, I request the FAA enforce and/or hold SpaceX accountable to their required mitigation.

Sincerely,

Sarah Watson
[REDACTED]

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Lillian Miller at Sierra Club at [REDACTED] or [REDACTED]

From: Celia Garcia ([REDACTED]) Sent You a Personal Message < [REDACTED] >
Sent: Saturday, October 30, 2021 6:01 PM
To: SpaceXBocaChica
Subject: Comment for Programmatic EA on Starship/Super Heavy launch operations

Dear Federal Aviation Administration,

SpaceX is ruining our pristine Beach, killing sea turtles, 68 found dead on the beach the day after the first explosion and many other species. Also SpaceX and Cameron county shut off all utilities to my house at Boca Chica Village after SpaceX rescinded accepted offer to buy. This action taken by SpaceX has rendered my house uninhabitable. I have reached out to several politicians to help me get my utilities turned back on but they are not willing to help.

I urge the FAA to conduct a new EIS for the SpaceX Starship/Super Heavy operations currently underway at SpaceX's Boca Chica site. From the 2014 FEIS, the objective, launch vehicle, and the size and scope is entirely different, which potentially may include off-shore launches via Super Heavy-class spaceports, Super Heavy re-landing on the launch stand, simultaneous launches, and a resort.

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A new biological opinion is needed. The Starship is much larger, there will be more testing, more beach closures, and more traffic where endangered wildlife is present. More closures of Boca Chica beach will result in increased inaccessibility to monitoring of endangered sea turtle nesting sites.

Additionally, I request the FAA enforce and/or hold SpaceX accountable to their required mitigation.

Sincerely,

Celia Garcia
[REDACTED]

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Lillian Miller at Sierra Club at [REDACTED] or [REDACTED]

From: Lena Chaisson-Mu?oz [REDACTED] Sent You a Personal Message
<[REDACTED]>
Sent: Saturday, October 30, 2021 3:12 PM
To: SpaceXBocaChica
Subject: Comment for Programmatic EA on Starship/Super Heavy launch operations

Dear Federal Aviation Administration,

The wildlife are suffering devastation we can only imagine. Please protect our precious earth.

I urge the FAA to conduct a new EIS for the SpaceX Starship/Super Heavy operations currently underway at SpaceX's Boca Chica site. From the 2014 FEIS, the objective, launch vehicle, and the size and scope is entirely different, which potentially may include off-shore launches via Super Heavy-class spaceports, Super Heavy re-landing on the launch stand, simultaneous launches, and a resort.

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Additionally, I request the FAA enforce and/or hold SpaceX accountable to their required mitigation.

Sincerely,

Lena Chaisson-Mu?oz
[REDACTED]

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Lillian Miller at Sierra Club at [REDACTED] or [REDACTED]

From: carlos marin <[REDACTED]>
Sent: Saturday, October 30, 2021 1:59 PM
To: SpaceXBocaChica
Cc: Marisela C. Cortez; Brock Murphy
Subject: Comment in support of the SpaceX Starship Super Heavy Proposal
Attachments: SpaceX Starship Super Heavy Proposal Comment_Carlos Marin_103021_2.pdf; Untitled attachment 00010.html

I've attached below my comment in support of the SpaceX Starship Super Heavy Proposal.

Thanks.

Carlos M. Marin, Ph.D., P.E.
Ambiotec Group/Jacana Development Group
Infrastructure Planning, Engineering and Development Services
[REDACTED]

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My name is Carlos M. Marin, and I'm a principal engineer with Ambiotec Group in Brownsville, Texas. I fully support Space Exploration Technologies Corporation's (SpaceX) proposal to operate the Starship/Super Heavy launch vehicle at its existing Boca Chica Launch Site in Cameron County.

The reality is that Rio Grande Valley is in dire need of economic relief. It is amongst the poorest communities in the United States on a per capita income basis. And while there are a number of reasons for this condition, the most significant is that the region is largely a pass-through, low value-added economy, dominated by the public sector.

Nevertheless, the region has the potential to overcome these obstacles and become a strategic economic player in the burgeoning USMCA2 trade between Texas and Mexico. In part, because of its strategic location on the U.S.-Mexico border; its population growth rate, which is the fastest in the state, and characterized by a young and hard-working population cohort; and its cost-effective energy, labor, and infrastructure assets.

In my view, the most important local regional benefit that will result from the SpaceX proposal is the potential to completely transform the local border economy in a significant and positive way by attracting additional private investment and associated manufacturing industries to the area.

By doing so, Space X's operations will be the catalyst that will make a reality of transforming the Rio Grande Valley into a prosperous, investment based advanced manufacturing economy. This will in turn significantly improve employment opportunities, wages, educational attainment, and the standard of living in a largely minority population that has long lagged behind the rest of the United States in many standard quality of life measures. The sky is truly the limit for the Rio Grande Valley in partnership with SpaceX.

No project is perfect, but the evidence supports that any negative impacts to the region will be properly mitigated and the overall social and economic benefits to the region, will far outweigh any potential costs.

16068

From: Carol DeMoss <[REDACTED]>
Sent: Saturday, October 30, 2021 1:45 PM
To: SpaceXBocaChica
Subject: Comment
Attachments: SPACEX COMMENT.docx

Please see attached



October 30, 2021

My name is Patrick M. Burchfield.

I am a graduate biologist specializing in sea turtles. I have worked with the conservation of Kemps Ridley Sea Turtle (*Lepidochelys kempii*) since 1972 until the present 2021, some 49 years. Forty of those years I have served as the U.S. Field Group Coordinator for U.S. Fish and Wildlife Service group in Mexico. I have personally witnessed a remarkable recover of the Ridley's as a result of human intervention such as protecting nesting females, their eggs and resultant hatchlings. This coupled with the cooperation of the U.S. and Mexican shrimp fleets by using turtle excluder devices has in large part been responsible for this turtle being on the road to recovery.

I wish to point out that industry concepts and that when we work together amazing results can be produced.

When I first learned that SpaceX was considering Boca Chica as a potential launch site I contacted staff at Merritt Island National Wildlife Refuge to learn of any impacts plants or animals had suffered as a result of launches at Cape Canaveral Space Center.

To my surprise, they stated that the wildlife was flourishing. On a recent call in early October it was reinforced that the numbers of nesting sea turtles, greens and loggerheads were increasing and that other wildlife is flourishing.

A full two years before selecting Brownsville/Boca Chica as the launch site representatives of Space X came to me discuss potential impacts with Kemps Ridley sea turtles. In our discussion I admonished Space x to become familiar and utilize the techniques already in use on Florida's gulf coast to minimize their impacts on the local environment before even deciding on the actual future launch site.

In my opinion, the launching of rockets will not effect the already existing sea turtles long term.

Other already existing problems such as beach anthropogenic debris and beach vehicle driving pose more serious threats to the Ridley's.

I am personally in favor of the FFA granting Space X the requisite permits.

Respectfully,

Patrick M. Burchfield

Patrick M. Burchfield, Ed.D., M.S.



From: Clair Hopper <[REDACTED]>
Sent: Saturday, October 30, 2021 10:06 AM
To: SpaceXBocaChica
Subject: Comment: space x / super heavy project

To whom it may concern—

My name is clair hopper and I am deeply concerned with the Space X Starship/Super Heavy project proposed to occur in Boca Chica. These lands are the ancestral lands of the Carrizo Comecrudo Tribe of Texas. The Tribe must be consulted and listened to regarding the future of their sacred lands. Due diligence is not being done, and the leadership of this Tribe which has taken care of our land for generations is not being followed. This is wrong.

Elon Musk's company is following a colonization model that hurts people on earth, and will spread harmful patterns by attempting to colonize space. This obsession hurts Texans and it hurts the Carrizo Comecrudo people who have been here before Texas existed, putting our shared land, water, air, and ecosystems in danger.

I stand with the Carrizo Comecrudo tribe in demanding a stop to this project.

Thank you,
Clair

From: PerAsperaAd Mars <[REDACTED]>
Sent: Saturday, October 30, 2021 8:27 AM
To: SpaceXBocaChica
Subject: Environmental assessment of the Boca Chica launch site

I am not an expert in ecology, so I will leave the answers to these questions to people more knowledgeable in this matter. However, I would like to inform the dear FAA of other important topics related to this permission.

SpaceX has already become a disruptive factor in the space launch market, cutting the cost of commercial launches by a factor of 2 and government launches almost by a factor of 4. This has already saved billions of dollars to the budget of the United States and restored the country's leadership in commercial launches, which was lost with the formation of the Boeing and Lockheed Martin monopoly and the subsequent increase in prices of launches. SpaceX is also on track to take over a major part of the orbital space tourism market, which has so far been entirely occupied by Russia. Also, thanks to Starlink, they are a couple of steps away from taking a leading position in the commercial satellite communications market, previously led by such European companies as Intelsat, SES, Eutelsat, and Inmarsat.

The fast construction of the spaceport in Boca Chica and the completion of the Starship tests can secure SpaceX's position as the cheapest offer (per kilogram of payload) on the global launch market for at least the next decade. This, in turn, will provide a strategic advantage for the commercial space industry of the United States over the growing Chinese space industry, as well as to secure a new landing of NASA astronauts on the Moon ahead of Chinese astronauts.

Starship has the potential to create tens of thousands of jobs across the United States and add tens of billions of dollars to GDP, as well as make sure that Americans will be able to continue being proud to lead in the global space economy. I don't want to put pressure on the dear FAA with this letter so that you have to take shortcuts on environmental issues that definitely require funding a wise compromise solution. But in my humble opinion, this is definitely an occasion to carry out the necessary work as quickly as possible.

Finally, I would like to suggest that you look at this problem from one another angle. The ultimate goal of environmental assessment is the conservation of wildlife. But just as any war cannot be won by defensive maneuvers alone, any passive efforts to protect wildlife are ultimately doomed to failure. If we want to protect the Earth's wildlife from extinction once and for all, we must take active measures to spread it within the Solar system and beyond. And Starship is now our best shoot in this endeavor.

From: Michael Ksiezopolski <[REDACTED]>
Sent: Saturday, October 30, 2021 7:07 AM
To: SpaceXBocaChica
Subject: Environmental Review

Dear Madam / Sir

FAA is a great organization that helped to make aviation safer, better and more popular. It is a time to look deeply into outer space rather than atmospheric flights.

Space X is a great chance for the USA to be the greatest country in the world, not just technologically but also in space Commerce and Science. Blocking Space X I would consider a crime to all American citizens and all free people worldwide.

Allowing Space X to continue their quest to build bigger and better rockets, ahead of China and Russia is imperative and far more important than local habitats around Boca Chica.

Humanity, technological progress and interstellar resources are far more important than very local wildlife that doubtfully will be affected.

I am asking you to revise your current legislature and rules regarding space flights and development and do what you have done in general aviation and Ultralights.

I have no doubts, there will be some accidents and deaths during the development and test flights of new rockets, but it will be marginal compares to old times and more beneficial for the USA and the whole world.

If you allow easy access to space, some outside of earth mining and resources gathering become possible and may be very feasible. If you will decide to make it too difficult, overpopulated earth will soon run out of resources and will become history within a few decades...

Kind Regards

Michal Ksiezopolski

From: Paul Rivera <[REDACTED]>
Sent: Saturday, October 30, 2021 1:14 PM
To: SpaceXBocaChica
Subject: FFA approval

To who it may concern, let's start off by taking money out of this equation, we will that subject shortly. First , 15 close friends and I have been talking about this "hold" on launches until an environmental study is completed. Now I am not " by a diploma " an environmental surveyor. However I have had many meetings in my home town because I wanted to turn my 30 flooded swampland acres into a 20 acre lake and leave 10 acres to let everything from Ducks , gophers, geese , otters , etc.. But each time I went up against these professionals I lost: However we did compromise that I could " with machinery " make the the small ponds wider, deeper , cut the trees they agreed on out , that was in 1995 and to this very day I get visited maybe every 2-3 years to see if I am still in compliance. Now on to SpaceX, I am not sure if the person reading this, has been to the Boca-Chica location to see the amazing transformation I went there maybe 1-1/2 -2 years ago . And I like, a lot of other thought Elon is probably gonna build them here and barge them to cape Canaveral. We were wrong!! I also did some research saying the SpaceX had thought long be before choosing TX. They evenly paid themselves to do a wildlife study. Then the gov't (as the facility grew) did there own study not only for animals but noise pollution and street closures. So what did Mr. Elon do he had hired people do a campaign so when he is testing engines, or practicing launches. Everyone knows the day an approximate time of test. He also had is attorneys (I'm guessing attorneys) offer each of the home in the area exactly three (3) rime what their house and land were valued at sight unseen. Rumor has it has also not only hired a realtor to find these people new homes that the commission would not be charged to the tenets but to Mr. Musk.

Now let's dive into money NASA stopped using the space shuttle's and we turn to Russia to ferry our astronauts to and from the space station. Any guesses how much each seat cost the American Tax payers Eighty- Five (85) million dollars to taxi our astronauts back and forth, that as noting to do with the astronauts family had to move to Russia while their father , husband, trained. Now last numbers I've heard SpaceX is charging 35-45 million per seat a little more it they have to carry a Buach of supplies in the rear un pressurized "trunk" of the crew Dragon.

I hope really really hope that the person reading this will really pay attention to this***** 1- round about 4 yrs ago there was a bid for a Human landing system for the moon SpaceX, Dynamics, and about 5 other companies join to make a "super team"

NASA poured through each of the 3 entries , Blue Origin came in around 6.89 BILLION. Dynamics came in with a lander that would have to be launched from earth using a commercial launcher. I believe their bid was 4.44 Billon. SpaceX came in with bid on its new starship at 2.9 Billon. NASA after long deliberation. Choice SpaceX. Well here come the law suite against, NASA, US Govt, and my favorite lawsuit to the Government accountability office. Turned down all lawsuits stating that NASA ran this bid for human landing system was run far and they supported NASA. And once again more lawsuits building and building. HERE's WHAT YOU NEED TO KNOW AFTER THE COMPLETION OF THE FIRST ORBITAL SPACESHIP WITH 4 CIVILIANS AND ZERO BACK GROUND IN SPACE THEY LAUNCHED ON TOP A SPACEX FALCON 9. AND SPENT 3 unforgettable days circling our beautiful planet. Elon musk is advancing auto, tunnel boring, solar, battery back up, nerve stimulation to take care of everything from mental issues, to operating false limbs just by thinking about it. Work with him , tell him his company must once monthly clean the beach umm he has fabulous fabricators, have them build some artificial reefs, they scrap a lot of steel and sell it back to the steel manufacturer. So let them help the wildlife that way. This man cares he is the richest man who tweets with everyday people everyday. He just donated 50million to st.Jude's hospital, his car company just received a one (1) trillion dollar evaluation his cars are saving our atmosphere. He has a solar farm in boca chica. By the way if you ask the people like me to volunteer bi monthly or whatever to clean beaches I guarantee you we would show up in groves they couldn't find a place to park, much less bus us to the beaches. Let this company learn , they will make mistakes, I believe that it was Mr. Musk who said " if we are not failing, we're not innovating." So let them innovate..

Thank you..

Sent from my iPad

From: [REDACTED]
Sent: Friday, October 29, 2021 9:26 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

I have followed SpaceX very closely since their founding nearly 20 years ago - and Elon Musk's other corporate entities such as Tesla. From that it is clear his intent is overwhelmingly positive in regards to the environment. I'm certain they will do their best to mitigate issues raised as a concern. I would also add this innovative space company is doing essential national security work in so far as it is an enabling transportation system to orbit and beyond. Several other countries, some not so friendly, are advancing rapidly in their space capabilities. If America does not start to innovate rapidly we will soon fall behind. For a recent example that General Milley called a "near Sputnik moment," just consider the Chinese hypersonic missile test. Of course, The goals of SpaceX are purely peaceful, but space exploration will have many commercial benefits and spin-offs as well - and America needs to remain the leader or suffer the consequences. If SpaceX cannot fly out of Boca Chica it will create a lengthy delay to the development of their Starship space vehicles. No other American company is nearly as advanced - so, delays for them is a delay for all of us that want progress in space exploration after decades of stagnation. Working with the FAA, SpaceX will do everything they can to develop these vehicles in a safe and environmentally sensitive way. In fact, one of the reasons I support space exploration is because the harsh environment of space will force explorers to innovate new ways of using scarce resources in an efficient, recyclable manner at very low costs. This "forcing function" will transfer back to Earth applications - to the benefit of all and our environment. Thank you -

From: [REDACTED]
Sent: Friday, October 29, 2021 10:22 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

As an American and tax payer, am requesting Starship's first orbital launch to be allowed. We should be proud and embrace humanity achieving such important steps to becoming a multi planetary species. Be proud that this is happening in Boca Chica! Make me proud and let all launches move forward. I am counting on you!

👉 ❤️🙌 Yours Truly, Mermaid Melissa [REDACTED] Orlando, FL [REDACTED]

From: [REDACTED]
Sent: Saturday, October 30, 2021 2:32 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Please allow Elon Musk's rocket launch. Make window most flexible

From: [REDACTED]
Sent: Saturday, October 30, 2021 3:06 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Please sign the regulations and allow space x to continue their drive to make our species interplanetary, it's so important to continue exploring and the next step is the universe! Think of all the improvements to life they could stumble avross

From: [REDACTED]
Sent: Saturday, October 30, 2021 3:32 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

I'm writing this email to support Elon's SpaceX's starship launch from BocaChica. Just as Elon has single-handedly jumpstarted the world's transition to electric vehicles and sustainable energy, he has also reignited the space innovation that is critical for humanity's survival and to become a multi-planetary specie. With Falcon rockets, he has proven the viability of reusable rockets. with Starship, it's the next major milestone to prove the viability of reusable space ship that can be launched repeatedly with minimum down time. This is essential for viability of space travel. I highly support Elon's ambitious endeavors with Starship. Please provide him the support and help US to be the leader in the Space frontier and help the humanity to explore the vastness of space. thank you for your support. Ming

From: [REDACTED]
Sent: Saturday, October 30, 2021 3:48 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

We are not from the local area, but want to say SpaceX is doing a great job progressing humanity forward. My family and I approve of their efforts. Go SpaceX! Shayler Rychlick Jefferson City, MO

From: [REDACTED]
Sent: Saturday, October 30, 2021 4:04 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Yes please let them launch we are finally getting so close to having constant commercial space flight which is for the best of mankind.

From: [REDACTED]
Sent: Saturday, October 30, 2021 4:09 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Please approve Space X license for all request that Space X has applied for their south Texas facility. Space X is a good company that wants to enhance the human experience. Thank you, from a concerned Texan!

From: [REDACTED]
Sent: Saturday, October 30, 2021 4:30 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Please approve the SpaceX operation of the Starship for orbital flights out of Boca Chica, Texas. They have proven to be good stewards of the environment by their efforts to save a turtles during the deep freeze that hit Texas last year. They also have proven to be good citizens who are sensitive to their impact on others. When land-based astronomers complained that the Starlink "trains" were causing problems with long-exposure photographs SpaceX changed the underside of new satellites to be less reflective, and modified the orientation of existing satellites to decrease their reflections. I am confident that SpaceX will continue to be responsive to their responsibilities as they advance the Country's space capabilities. The Starship will provide low cost access to the Moon and Mars as well as our military capability to deliver equipment and supplies quickly to anywhere in the World. Please approve their license without delay.

From: [REDACTED]
Sent: Saturday, October 30, 2021 4:49 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Please allow SpaceX to launch orbital ships. Having been in Boca Chica, their launch facility is pretty remote. Please continue to notify any neighbors within the exclusion zone to evacuate when a potential for damage is imminent. The economic impact of what they are doing; opening up the last frontier of space - trillions of dollars in economic impact for the future; a tremendous opportunity we should support.

From: [REDACTED]
Sent: Saturday, October 30, 2021 5:13 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Please allow SpaceX Starship orbital launch!

From: [REDACTED]
Sent: Saturday, October 30, 2021 5:15 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

SpaceX should be allowed to continue work in Boca Chica. I'm a 17-year-old, and care about my future. This project is for the good of the world, and SpaceX works hard to negate environmental impact. The interest and inspiration starbase has created is incredible, and we all want to see a project like this succeed. If you really care about the world, SpaceX should be given the green light. Also, people should understand that this is not just the work of Elon Musk, but thousands of hardworking people. This isn't for personal gain, it's for mankind.

From: [REDACTED]
Sent: Friday, October 29, 2021 10:48 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Dear Srs. I want to request all your support and help to make posible the Superheavy space ship from SpaceX to do the "orbital flight " is very important for all humanity and for the USA even more. Please just consider that is the future on this team, Thank you Leonardo Ferrero Vicenza- Italy

From: [REDACTED]
Sent: Saturday, October 30, 2021 5:17 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

With the speed at which SpaceX innovates I understand your concerns but time an time again this starbase needs to be respected even more than NASA the service to mankind that SpaceX is doing is ground breaking please help them reach their goals as well as the public who are daily cheering them on sincerely David Willcott
CEO Applegate analytics

From: [REDACTED]
Sent: Saturday, October 30, 2021 5:33 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

I would like to see the starship project launch with both the superheavy booster and starship stacked. I think the environmental impact should be weighed properly with what the project aims to do, and what the project would mean for the future of spaceflight and space exploration. The launch tower is imperative for successfully launching the stacked starship and booster duo, and it would be a huge setback if the tower had to be disassembled or if it wasn't allowed to be used. I would hope the previous success of the starship development process would sufficiently show the competence of the SpaceX team and their dedication to making this project work. As a US citizen, I would love to see the starship fly in its current configuration from the Boca Chica Launch Site from the launch tower they have currently constructed. The starship project would be of huge benefit to the United States, both in terms of its private and public interests. The United States government, which is already heavily invested in SpaceX through various contracts (worth billions in USD), would also benefit greatly from this project. This project is way ahead of any other private space companies, as well as completely outshining the achievements of foreign US competition - such as China and Russia. China and Russia are at least a decade away from having the same capabilities of the SpaceX Falcon9, and likely several decades away from the capabilities of the Starship and the Superheavy booster. This technology being accessible to the US Government and NASA would provide myriad benefits over the possible environmental impacts of the project. I think it would be greatly in the interest of the US government if this project's development was allowed to continue. I think that if the development of the project is successful, then further environmental restrictions and regulations should be put into place to help limit emissions and possible habitat disruption that launching gigantic rockets would cause. I believe that these regulations should only be put into place, however, when SpaceX is able to prove its success of the Starship project and expand production to other sites (that would likely minimize environmental impact). I appreciate the FAA is concerned about the environmental impact of this project, but I think letting this promising and ultimately beneficial project progress unhindered is of greater importance for the time being. Ultimately, this project could end up being more environmentally beneficial than harmful if it offers the capabilities alleviate the burden of raw material acquisition from Earth to other planetary bodies, such as the Moon, Mars, nearby asteroids/comets, etc. Wouldn't that be environmentally preferable over short-term effects of the Boca Chica Launch Site?

From: [REDACTED]
Sent: Saturday, October 30, 2021 6:01 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

We need move more faster in this type of agencies. Spacex is working very hard and is necessary help them for move to the next step ASAP.

From: [REDACTED]
Sent: Saturday, October 30, 2021 6:20 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Please let starship fly!!! This one of the biggest leaps of human history and will define space travel for the future! I know that this ship will succeed and successfully give the information that we require to go to orbit and prove what we have made is more accurate and more brilliant! Great job to the space x team so far but this is nearly the beginning! Sent, With love from a couple of space finatics from Aberdeenshire! I aspire to one day become a part of the space x team however believe the company only accepts American citizens which unfortunately hinders my changes of being selected. Regards anyhow, Elon

From: [REDACTED]
Sent: Saturday, October 30, 2021 6:40 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Dear FAA officers: I support spacex Boca Chica launch complex for these reasons: 1. It is at the edge of United States literally! You cannot go beyond this location. So, please don't push them away. 2. Before and after photos of the Boca Chica station clearly shows there is not much environmental activity at the location. It's a barren sand dune type of environment. 3. Kennedy space center (KFC) is in the middle of population centers of Florida and also middle of a wildlife refuge. Compared to KFC, Boca Chica impact is miniscule or non-existent to people or wildlife. 4. Rockets launched from KFC have EXTREMELY dangerous chemicals in them like hydrazine, N2O4, dioxins, perchlorate etc. while SpaceX is launching with cleanest fuels you can get Methane and oxygen. Their rocket exhaust might be cleaner than most of the cars and trucks on our roads. 5. Our nation is having pathetic infrastructure. We need a great futuristic technology to inspire our colleges, universities to focus on science. Please encourage spacex. 6. People are stuck to facebook, instagrams, etc. etc. and becoming worthless. Please encourage them to take up scientific study and less focus on football etc. so that we all will have a better life. SpaceX is an inspiration for our students away from all the nonsense mentioned above. 7. We are becoming like pigeons. Making a mess of our own home (our planet earth). Please encourage folks to focus on science and future of mankind (remember! Mankind and intelligence is the GREATEST spark of this universe. Let's not extinguish it.). Let's make life multi-planetary. Please encourage spacex in their pursuit to achieve this as fast as they can. SpaceX and Tesla have been a godsend to our country to wake us up from our recklessness. let's have a better ideal and goals for our kids and future generations. Thank you, Well wisher Godspeed USA.

From: [REDACTED]
Sent: Saturday, October 30, 2021 7:14 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

I'm an avid fan of the work SpaceX does and exploration and knowledge being obtained on orbital launch and landing systems and expect some things will be unexpected with tests of this kind! We need a new system to watch these test with an open mind not the FAA who is old and slow to move! Expect the unexpected. I believe in the future! Jeff Reopelle

From: [REDACTED]
Sent: Saturday, October 30, 2021 7:15 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

By all means let SpaceX continue making dramatic progress as we have entered the future of space exploration in unbelievable fashion. To impede this effort would be a blow to all of humanity!

From: [REDACTED]
Sent: Saturday, October 30, 2021 7:28 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Hello, my name is Victor, I am not a US citizen, but I think that my opinion about the cosmodrome in Boca Chica may be interesting to you. In Russia, the official media talk about the Starship very rarely and only when accidents happen to it. For Russia, the Starship is a reminder of the backwardness of its technology. The leadership of my country looks with horror into the future, in which the United States is developing the endless mineral and energy resources of the solar system. If our engineers could make a similar transport, the government would not spare any funds for its construction, and television endlessly reported victorious chronicles about this. If for the construction of a similar cosmodrome it would be necessary to destroy a unique nature reserve inhabited by rare species of animals, then your Russian colleagues would allow this to be done without hesitation. And if the FAA makes its decision against SpaceX, it will be an extremely strange development of events.

From: [REDACTED]
Sent: Saturday, October 30, 2021 7:31 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Please allow Space X to continue as scheduled.

From: [REDACTED]
Sent: Saturday, October 30, 2021 7:31 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

The Starship/Super Heavy launch program would implement measures to minimize impacts related to hazardous materials, solid waste, and pollution prevention. It will not increase risks to children's environmental health or safety. It would not result in disproportionate high and adverse impacts to minority and low-income populations. While it may affect traffic, the noise environment, nighttime light emissions, road closures at SpaceX checkpoints on SH 4, and increased numbers of people in the vicinity. Said changes could affect how residents experience their neighborhood. While some local residents might consider these changes a negative impact, there could be some residents who would enjoy the vibrancy and excitement associated with the proposed launches. Entrepreneurs could view the study area as a highly desirable area to establish businesses that would serve the needs of SpaceX personnel and tourists. However, it would increase tax revenue collections in the study area and Texas, including property tax, hotel occupancy tax, and gross receipts tax revenues. Taxes from local sales to workers would be collected, as would the income received by area businesses benefitting from the additional sale of goods and services. In addition, the Proposed Action would be expected to attract tourists who would travel to the area specifically to view a launch. Expenditures by these tourists would generate revenue for businesses within the study area, particularly in the hospitality industry. In conclusion, direct, economic impacts resulting from SpaceX are expected to be positive. The enhancements and the improved capabilities and longevity of SpaceX programs at the Boca Chica Launch Site would continue to provide beneficial impacts and labor income. Indirect and long-term impacts from this project on the local economy depend on financial commitment to the aerospace industry by the Department of Defense, NASA, and commercial customers. I'm inviting the FAA to approve The Starship/Super Heavy launch program on the proposed site, thank you kindly. Diana Flores [REDACTED]

From: [REDACTED]
Sent: Friday, October 29, 2021 10:54 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Please allow SpaceX to continue with all their testing of Starship. This is important for all humanity's long term survival, and makes for a more exciting future. Best regards Claus Elholm From Denmark

From: [REDACTED]
Sent: Saturday, October 30, 2021 7:40 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

SpaceX's Boca Chica Starbase facility is the only practical location where SpaceX can develop rapidly reusable orbital launch capability. The Starship program is intended to get humans landed on the moon again, then on to Mars, the asteroids, and beyond. I've been waiting my entire life to see the United States continue to push the boundaries of exploration, and now we have a practical way forward which won't be cost prohibitive. Andrew Clayman [REDACTED]

From: [REDACTED]
Sent: Saturday, October 30, 2021 7:48 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

FAA should give license to spacex because it is the Future.

From: [REDACTED]
Sent: Saturday, October 30, 2021 7:53 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

I strongly recommend that a new EIS be performed at the SpaceX facility at Boca chica, Brownsville, Texas. SpaceX's plans have been dramatically changed from when the last EIS was performed. Their new plans not only endanger wildlife and sealife but human beings too. When their first rocket exploded 68 dead sea turtles were found on the beach the next morning. They claimed it had nothing to do with the explosion but I have never heard of that happening ever before unless we had a hard freeze. SpaceX has not only abused the entire area but also the Boca Chica Village residents. SpaceX along with Cameron County have shut off the utilities at my house in the village rendering it uninhabitable. I accepted SpaceX's offer to buy it but they rescinded offer and instead shut off the utilities. This is AMERICA, I worked and paid taxes all my life. Now that I m retired I expect to live off my assets but SpaceX has taken away my income. Please, I ask that the FAA conduct a new EIS as your expertise will not only save animal life but human life too. Thank you.

From: [REDACTED]
Sent: Saturday, October 30, 2021 8:01 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Hello My name is William and I would like to give input on SpaceX starship program In order for humanity to progress without the delays and bureaucracy that controls nasa, SpaceX needs to be issued a license to operate starship and super heavy and develop it. There are many advantages to having a launch vehicle that can launch 100 tones to L.E.O. Or 100 people to the moon for a future base. To go to Mars and colonize the red planet and beyond. To travel to interplanetary space. Tourism will skyrocket because with a 100% re usable launch vehicle that will cut costs to record low levels. What is the difference between Boca Chica launch site and KSC. they are both on wildlife preserves and there is no significant threat to wildlife or the ecosystem at KSC but there is somehow a huge threat at Starbase. When starships SN9-10-11 exploded they responded the same day to clean the debris and ensure there was no threat to the local ecosystem. All I'm saying is to give SpaceX and the launch vehicle starship a chance to become the vehicle everyone knows it will.

From: [REDACTED]
Sent: Saturday, October 30, 2021 8:13 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

We want the Launch! It's vital for us down the line!

From: [REDACTED]
Sent: Friday, October 29, 2021 10:55 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

As a person who believes in us leaping to the future and helping our planet. We need to let such pioneers like Elon progress as quickly and safely as possible and SpaceX has shown they can do both. Let's let them do the orbital test next month.

From: [REDACTED]
Sent: Friday, October 29, 2021 10:56 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Incredibly exciting to see what SpaceX has accomplished within the last 10 years. I am beyond excited to see what their future holds for them. Serving in the military, I am no stranger to environmental impacts that flying aircraft may cause, but just like the USAF, I fully believe that Space X will do what is right for the Brownsville area's environment. They will minimize as much impact as possible while developing and innovating at an extremely high pace.

From: [REDACTED]
Sent: Friday, October 29, 2021 10:59 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

The work SpaceX is doing is incredibly important to our National security, future NASA missions, technological progress in aeronautics, ability to push the boundaries of human and scientific exploration, and In out competition with China. The FAA must immediately change their rules and infrastructure to accommodate the fast pace of testing and innovation SpaceX needs to be able to continue their progress as fast as possible. If the FAA does not take appropriate action to modernize its approach to allow fast paced research and testing, takes a hostile stance with SpaceX, or attempts to purposefully interfere with or slow the progress SpaceX is making, We will see it as a sign that the FAA is being unethically influenced by SpaceX competitors such as Blue Origin and Boeing. This undo influence may be directly tied to FAA administrators or indirectly through the use of lobbyist and the lawmakers those companies have in their pocket. Either way, if the FAA does not quickly adapt to the high paced progress of SpaceX, or allow the company to innovate and test at the highest speed possible, I will petition for an ethics investigation into FAA administrators, SpaceX competitors, and any lawmakers that may have influenced the the FAA. Please work to serve the interest of our nation by working with SpaceX and not obstructing their high paced testing schedules, rocket iterations, tower construction, or anything else they need to succeed.

From: [REDACTED]
Sent: Friday, October 29, 2021 11:03 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Absolutely allow starship to launch!! This is beyond any one man, company, or faction.... This is for all humanity!

From: [REDACTED]
Sent: Saturday, October 30, 2021 12:00 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Hope you support the fast development of space X! This is extremely important for the human race future

From: [REDACTED]
Sent: Saturday, October 30, 2021 12:24 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

You need to back the [REDACTED] down!!! Who are financing you?? Stop beeing in the way of the most exciting event since the Apollo era.

From: [REDACTED]
Sent: Saturday, October 30, 2021 12:53 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Yeah you need to let Elon do his thing it's for the greater cause of humanity plus he's the 🦁

From: [REDACTED]
Sent: Friday, October 29, 2021 9:35 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

I think SpaceX will change the world assuming we let them and give them our help. Don't stop them from moving forward and possibly changing the world. They know what they are doing.

From: [REDACTED]
Sent: Saturday, October 30, 2021 1:11 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Please do not stop the most open and honest path to humanity next step into space. This is not a political statement, I might not agree with many things Elon Musk says outside technology, but I can never be blind to his mastery for advancement and engineering. Stopping SpaceX in Boca Chica right now will mean going back to the archaic ways of the space industry, back to the way Blue Origins, Boing and the rest so it. Over spend money, while not showing any real progress, stopping SpaceX now will be giving Russia or China or any other country the chance to catch up and surpass the momentum Elon has achieved. It will give an unfair advantage to Blue Origin and the rest too but more importantly it would put a pause in progress and jeopardize humanities future. SpaceX was authorized to settle in Boca Chica the advancement that the company is bringing to the area is unbelievable, if the locals prefer to go back in time and love in the past they can move to a third world country. Let them continue, let them work, let them launch.

From: [REDACTED]
Sent: Saturday, October 30, 2021 1:17 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

My name is Roberto Ivan, I grew up and currently still live in the lower rio Grande valley, McAllen specifically, that activity goes to South Padre Island and Boca Chica. I graduated with my BS in Environmental Science from UTRGV and one of the biggest things we discussed was what is the economic value of the environmental and it was always deemed priceless. Elon Musk's starbase is an environmental disaster with destruction of habitat for native bird species and insect colonies. Please prevent him from causing more. We only have one Earth and billionaire divorcees shouldn't get to use it as their private playgrounds

From: [REDACTED]
Sent: Saturday, October 30, 2021 1:57 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Please don't let red-tape stop SpaceX from achieving the incredible. It's not impossible, and it's world-changing, for the better. Space access means medical and scientific advancements, mining in space reduces mining on earth, potentially dramatically, and production possibilities are endless up there, please let us have this, it fixes things down here too. Sincerely, Scientists and engineers everywhere

From: [REDACTED]
Sent: Saturday, October 30, 2021 2:16 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Earth been years years aged, need look at something future, spacex are doing very different than years years ago has done. Don't let that chance gone. It won't happen other 50 years if faa won't allow it.

From: [REDACTED]
Sent: Saturday, October 30, 2021 2:28 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Aside from the jobs created by SpaceX, the money brought to the area and Mr Musk's philanthropic efforts in Sth Padre and Brownsville, I know Mr Musk is accutely aware of the environment and the dilemmas we are facing. I think that the work being done by SpaceX at Boca Chica is inspirational and Elon Musk should be allowed to continue and be supported.

From: [REDACTED]
Sent: Saturday, October 30, 2021 3:05 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

The government has a vested interest to make sure SpaceX is able to stay ahead of other space development programs. We are counting on the development going as fast as possible to keep America competitive.

From: [REDACTED]
Sent: Saturday, October 30, 2021 3:10 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

I believe spacex facility in boca chica will help develop the area, as well as increase the opportunity everyone has to access space. So please let them continue their work

From: [REDACTED]
Sent: Saturday, October 30, 2021 3:30 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

I might not be from Boca Chica, Tx, but I can see the profound impact this endeavour could have on the space industry. Please give Space X the chance to achieve the goal of producing the worlds first fully reusable rocket and open up worlds of possibilities for science, off-world industry and multiplanetary human existence. Space X already employs thousands of people in South Texas and has transformed the local economy with the potential for exponentially more in the future. The impact this rocket could have for humanity cannot be understated and it could save NASA and in turn the federal government billions of dollars in launch costs. The following article explains just how profound an effect Starship could have on the space industry and puts it in much better words than I could and I found it a fascinating and titillating read:
<https://caseyhandmer.wordpress.com/2021/10/28/starship-is-still-not-understood/> Thank you for your consideration. Kind regards.

From: [REDACTED]
Sent: Saturday, October 30, 2021 3:30 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Please approve SpaceX Orbital launch from Boca Chica.

From: [REDACTED]
Sent: Friday, October 29, 2021 9:36 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

I agree that protecting our environment is an important part of humanities role in being good stewards of the planet. I also acknowledge that the future of humanity is dependant on the development of a space infrastructure where mining, manufacturing, and power generation can be moved off planet. This would reduce the stress on our environment while also supporting and relieving the pressure of a growing human population. If we do not develop space, eventually we will deplete our natural resources, driving nations to war, all in the name of survival. No matter what, the Earth will survive humanities existence. I therefore find it only logical to support SpaceX and their endeavor to bring humanity to space to save us from our selves. Sincerely, A proud Futurist and father of 2 kids that will inherite our decisions. Mike Corsi [REDACTED]

From: [REDACTED]
Sent: Saturday, October 30, 2021 3:53 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

space x is performing great discoveries please don't get in the way

From: [REDACTED]
Sent: Saturday, October 30, 2021 4:21 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

This email is a OK for SpaceX to go with there (and our countrys) rocket/space project. The main items that I am concern with is how our gov. is trying to destroy growth for our nation. I understand there are small groups that don't want growth because they have nice soft beds to hide from the world from. They and (you) don't realize that if everybody had the same idea, we will not have and frogs, birds, turtles and old people (bitchin), before you know it, nothing will be here. Of coarse you people with the FAA will not worry about it, you will be dead and gone. So who cares! I have seen this crap a number of time in my 70+ years on earth. I highly recommend that you quit screwing around your back door pay-offs, your politics and BAD gov. and get this show on the road. Thank you, Ray Cramer retired electrical engineer

From: [REDACTED]
Sent: Saturday, October 30, 2021 4:26 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Please allow SpaceX to continue its Starship orbital launch.I totally support them. Thank you, JR. Edwards

From: [REDACTED]
Sent: Saturday, October 30, 2021 4:41 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

I think it is a great project and should be allowed to continue at all costs. It will pay off big time in the future. Big fan of the Starship project.

From: [REDACTED]
Sent: Saturday, October 30, 2021 4:44 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Dear FAA, please approve the regularities for SpaceX's first launch attempt, so they can launch next month. Completing the governmental approval speeds up the development of these Orbital-Class-Reusable Rockets, which enables cheap Spaceflight for Mankind. This would be a huge step forward. Thank you for your time with best regards Marvin

From: [REDACTED]
Sent: Saturday, October 30, 2021 4:51 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

I fully support SpaceX at the Boca Chica site. What they are doing is very important for our country and humanity. Please approve their efforts Thank you, Chris Cason

From: [REDACTED]
Sent: Saturday, October 30, 2021 4:53 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

For the good of the humanity. Let Elon fly Starship orbital please.

From: [REDACTED]
Sent: Saturday, October 30, 2021 5:02 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Protection of the environment is important, however we are facing not only local impact, but a global environment crisis in the upcoming years. We need progress in technology and science to not only secure the survival of humanity but also to extend it beyond earth. Please consider to accept a potential small, local impact towards the environment for the greater good for humanity, many species and our planet and allow SpaceX to proceed with their rapid development in order to achieve those goals. Thank you.

From: [REDACTED]
Sent: Saturday, October 30, 2021 5:03 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

I fully support the coming Starship launch, and further launches. I understand that there will be an environmental impact but feel that the benefits to the entire planet (including its eco system) make that impact practically insignificant. This endeavor is key to making our species multi planetary which I strongly believe is the only way to begin to remediate the effect of our ever increasing population.

From: [REDACTED]
Sent: Saturday, October 30, 2021 5:07 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

For all man (&woman) kind, let these starships fly. Seriously, the United States is falling behind in the race to space. It's time to lead and move forward. I'm in full favor of space x's ambitious program in Texas. Onward and Upward. Kip Finch

From: [REDACTED]
Sent: Friday, October 29, 2021 9:40 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

To whom it may concern, I writing in support of the SpaceX initiatives currently in progress at Boca Chica, TX. I watch almost everyday some sort of news video, or news feed that talks about SpaceX's current, and future plans. I'm excited when I see all the progress they're making at Boca Chica. It amazes me that there are some folks that want this endeavor to fail. Competition maybe, misguided views maybe as well, ignorance more than ever. This planet we have is precious and needs protection, yes. We need to make sure to keep it alive as it keeps us alive. It's all we got. This is precious, but this can also be dangerous. It's almost like we need something like genetic diversity, but for space. We need to make sure our way of life, our civilization, our knowledge continues on ever moving forward. If we don't, if we stagnate our beautiful planet won't always be our home, our beginning. It might also be our end. The survival instinct always kicks in, and this is our chance to move forward quickly, and develop the skills we need in space. Develop the skills we need to make life livable on the other worlds within our own system. Space is so unimaginably big. We have all this room to grow, explore, and to live. We need to start now, and I believe SpaceX will be humanities pathfinder to the stars. Time is never on our side. "Mankind was born on Earth. It was never meant to die here." - 'Interstellar'. Thank you for giving me the opportunity to show my support for this cause. Shawn Murphy

From: [REDACTED]
Sent: Saturday, October 30, 2021 5:09 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

To prevent some one going sky high, is equivalent to stop digging after gold. MP

From: [REDACTED]
Sent: Saturday, October 30, 2021 5:21 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Please approve all SpaceX operations.

From: [REDACTED]
Sent: Saturday, October 30, 2021 5:23 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Do not block most technical startup of the world. Let them fly! Thank you

From: [REDACTED]
Sent: Saturday, October 30, 2021 5:48 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

I think SpaceX should be allowed to continue flight operations at Boca Chica. Please work with them rather than hinder their efforts to reach space, the moon and Mars. Thank you for this opportunity to voice my opinion.

From: [REDACTED]
Sent: Saturday, October 30, 2021 6:03 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Dear FAA, Many are aware that this is the final week for a conclusion to be met regarding SpaceX and the starship booster program. The technological and engineering achievement of this program we can all agree are astonishing and a marvel to behold. Capturing the dreams and imagination of many. Additional revenue and economic growth to the local area as well as supporting infrastructure and logistics benefit many for sure. The aerospace industry is growing at a rate not seen since the space race of the 60s/70s and Apollo missions of the recent past. As many may conclude a push to space, commercially and politically motivated, will undoubtedly occur in its present location or another. Simply put if the SpaceX program is halted or terminated due to FAA regulatory decisions they will pop up in another location possibly more suited or even another country for that matter. We cannot ignore the environmental impact however minimal in the local area as well as rights of citizens within the Boca Chica region. Being an enthusiast myself this program has captured my imagination. I believe the success should be celebrated and SpaceX granted freedoms to continue their research to a degree. Plotting a month by month agreement on time scales and operating scope that doesn't impede the programs flight activity however within the rights of local citizens. Regards Michael C-J

From: [REDACTED]
Sent: Saturday, October 30, 2021 6:07 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Let Starship fly.

From: [REDACTED]
Sent: Saturday, October 30, 2021 6:07 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Go SpaceX, go Boca Chica, go FAA you all Rock!!!! Can't wait to see Space history being made there in Texas and God Bless the USA.

From: [REDACTED]
Sent: Saturday, October 30, 2021 6:14 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Please let SpaceX launch. The future of humanity depends on it!

From: [REDACTED]
Sent: Saturday, October 30, 2021 6:19 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Please dont block the future of mankind

From: [REDACTED]
Sent: Saturday, October 30, 2021 6:39 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Please don't stand in the way of SpaceX helping make humans a multi-planetary species.

From: [REDACTED]
Sent: Friday, October 29, 2021 9:42 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

I support Space X development and test at Boca Chica. I understand people have environment issue but as Cape Canaveral & KSC is also wildlife refuges and the environment impacts are low. We want to see rocket research to continue and make space travel cheap as possible to progress medical research and manufacturing in space.
Regards Paul Taylor

From: [REDACTED]
Sent: Saturday, October 30, 2021 6:50 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

This is the future of humanity

From: [REDACTED]
Sent: Saturday, October 30, 2021 7:01 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Yes please let spaceX keep their tower as is and continue their operations in Boca Chica. I was raised in the RGV and spaceX is the best thing that has happened to that region.

From: [REDACTED]
Sent: Saturday, October 30, 2021 7:01 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Please allow SpaceX to fly the starship vehicles. The departments red tape is unnecessary and hindering human progress not only in space but in engineering optimization, through testing. Thanks, Raidel

From: [REDACTED]
Sent: Saturday, October 30, 2021 7:07 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

FAA, Please give SpaceX permission to launch the Starship to orbit. Their company is providing a valuable infrastructure for our society and the world, cheap access to space. Failure to approve their facility at Boca Chica will delay their program. They will be forced to shift their efforts to speed up development of the sea launch platforms, which will move them off shore. At that time, you will lose any ability to regulate them.

From: [REDACTED]
Sent: Saturday, October 30, 2021 7:07 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Spacex is our future for space exploration. They are truly an amazing company. Thank you for your help in approving that the launch will happen next month. Brooke Bufkin

From: [REDACTED]
Sent: Saturday, October 30, 2021 7:13 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

As a us citizen and resident of Ohio, I support SpaceX and this critical work for national interest that's being done. It is a company that has shown it can work with the government and i hope that this process can be done quickly . Plus as things are observed and discovered in the boca chica area in the years to come, I'm sure accommodations and corrections will be implemented by spacex.

From: [REDACTED]
Sent: Saturday, October 30, 2021 7:23 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Please allow, no encourage, SpaceX to continue to advance the state of the art of rocket science! SpaceX is demonstrating the process and advantages of a true engineering firm that is exploring the edge of technology responsible and has revitalized the space industry. My parents excitedly watched the early launches in the '60s and lived with me through the stagnation of the space industry through my childhood and adulthood. It has been tremendously inspiring for my 4 year old to see the scientific method and engineering development process advance our technology to what his parents and grandparents keep exclaiming, "this is like living in a sci-fi future!" Instead of getting stuck with what has gone before, my child sees the proof of asking, "What are the fundamentals needed to achieve this next goal? Is this part/process/system needed? Let's learn from our mistakes and go where no one has gone before (thank you, Gene Roddenberry!)" Please do not disable SpaceX from helping humankind reach the stars. If environmental impacts are necessary, please work with SpaceX in good faith to protect our most valuable resources of our planet as well as our mental resourcefulness and hope that they have rekindled.

From: [REDACTED]
Sent: Saturday, October 30, 2021 7:28 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

The earth and her passengers have been under great stress in the last couple of years. People have lived with an increasing sense of aimlessness and loss of the art of "Hope". I see the efforts of SpaceX and Elon Musk as a singular ray of hope and dreams. In these times I see this as a world wide need. Without hope then all is lost to despair. We NEED to have hope for the future. I feel we all need to support SpaceXs effort in all ways possible.

From: [REDACTED]
Sent: Saturday, October 30, 2021 7:49 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

I fully support the launching of the SpaceX Starship from the Boca Chica launch site both to develop technologies to improve life on Earth and to allow humanity to extend it's reach to other planets. I hope my viewpoint and those similar to mine will be considered in the decision making process. Regards, Morgan

From: [REDACTED]
Sent: Saturday, October 30, 2021 7:51 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Hi, I'll keep this message short and sweet. We need this launch / launches to happen. We all realise certain legal criteria have to be met, that's a given, but when this criteria is met, everyone needs to step out of the way of progress and let SpaceX and Elon Musk get on with his work. This launch will pave the way for what has the potential to change mankind's pathway into its future, let's not allow red tape, egotistical officials or ignorance get in the way. Do the right thing, not just for the site, but potentially for all of mankind and let SpaceX and Elon get on with their work. Thank you.

From: [REDACTED]
Sent: Friday, October 29, 2021 9:47 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Spacex is a grate company and it's a valuable one for The world. What Elon musk and spacex doing is a grate value. And what a pice of equipment. And grate technology. I support spacex

From: [REDACTED]
Sent: Saturday, October 30, 2021 7:54 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Spacex projects should get the green light..they are doing amazing work to advance the exploration and development of space, a future source of tax revenue and mineral resources for the world

From: [REDACTED]
Sent: Saturday, October 30, 2021 7:55 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

I write in regards to the draft PEA for the SpaceX Starship Super Heavy Project at the Boca Chica Launch site. This project is of immense importance both to the future of the United States and the future of humanity, as it promises to drastically reduce the cost of getting to orbit, making us a true spacefaring civilization. I urge the FAA to clear all regulatory obstacles to this program to the best of their ability. -- Kevin S. Van Horn

From: [REDACTED]
Sent: Saturday, October 30, 2021 8:05 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Please approve the orbital launch of The Starship prototype ASAP. This program is vital to our survival.

From: [REDACTED]
Sent: Saturday, October 30, 2021 8:34 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Aerospace company SpaceX is putting birds and other wildlife at risk in the coastal region of Boca Chica, Texas. The FAA should carry out a full environmental impact survey before moving forward. The SpaceX facility in Boca Chica is surrounded by federal and state public lands used by hundreds of thousands of individual birds of many different species throughout the year – from the federally Threatened Piping Plover and Red Knot to the Endangered Northern Aplomado Falcon. These lands also support several species of sea turtle and mammals listed under the Endangered Species Act. Despite the area's ecological importance, SpaceX has conducted operations with little oversight from the FAA. Now, in spite of major expansions in operations and infrastructure in Boca Chica, the FAA has not conducted a full Environmental Impact Study. Instead, it has published a draft Programmatic Environmental Assessment (PEA) – a faster, less comprehensive environmental review. The FAA should reject the current assessment and, instead, require a full-scale Environmental Impact Study of SpaceX's plans.

From: [REDACTED]
Sent: Saturday, October 30, 2021 8:49 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

All human activity has an impact on the environment. SpaceX's activity is no different. Their building and testing in Boca Chica has already impacted the environment. However, I think this is an environmental impact that we must accept because the work of SpaceX is far too important for the future of humanity. The technology they are developing will have a far reaching impact for both space exploration and for helping our planet. I think they should be allowed to fly their starship system and as many of them as they want. I think SpaceX needs to be responsible for their environmental impact and do everything can to help preserve the wildlife from their testing. In short, the benefits greatly outweigh downsides and SpaceX should be given a green light to continue.

From: [REDACTED]
Sent: Saturday, October 30, 2021 9:10 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Please clear any red tape or environmental concerns regarding the Starship program for the break throughs it will accomplish will be a great benefit to all of human kind. Space X will create a new and brighter future for space travel and the world as a whole. Please let Space X continue without hesitation. Thank you.

From: [REDACTED]
Sent: Saturday, October 30, 2021 9:21 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Let them go ahead with Starship!

From: [REDACTED]
Sent: Saturday, October 30, 2021 9:28 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

I think you should monitor and allow spacex to launch from the Boca chica facility. I have been observing them for years now and feel they have the best interest of the community and industry at heart. This is a chance for you to rethink approval process on milestones and not timelines. They will put in the work to meet your requirements. They just need to know what to do faster.

From: [REDACTED]
Sent: Saturday, October 30, 2021 9:32 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Please let space X launch from Boca chica TX

From: [REDACTED]
Sent: Saturday, October 30, 2021 10:04 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Dear FAA, Thank you for your work in putting together the Space X Boca Chica environmental document and allowing public comment. I would like to voice my support for the plans that Space X have for the Star Base at Boca Chica and the Star Ship development. I can not wait to see them move forward. It is inspiring to see Space X find success and continue to progress in spite of the impacts from Covid, climate change, and social injustice. Space flight has been a huge benefit to society. Technology like GPS, Satellite Imagery, and Satellite Communication has benefited humanity and increased our understanding. I am confident that as Space X is allowed to processed with their plans they will develop technology at the Boca Chica site that will help move humanity forward in ways we have not yet imagined. Sincerely, Rick Snyder

From: [REDACTED]
Sent: Friday, October 29, 2021 10:09 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Dear sir/madam, I am writing in support of Starship's first orbital launch as it will be the most realistic first step towards enabling the return of the USA to the moon. Furthermore, it will offer a gateway for humankind to Mars and beyond. The number of people that will be inspired by this work is undoubtedly large and the potential good that will come forth from that inspiration is priceless. Sylvester

From: [REDACTED]
Sent: Saturday, October 30, 2021 10:04 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Dear Representatives of the FAA, I am writing you from Zurich, Switzerland with regards to the ongoing environmental assessment of the planned SpaceX Super Heavy / Starship launches from Boca Chica. I am neither a US citizen nor a Boca Chica resident - therefore, I understand that my input in this matter may rightfully not carry any great significance. Nevertheless, I want to express my support for the ongoing SpaceX project and sincerely hope that it will be possible for Super Heavy & Starship launches to take place from Boca Chica without unreasonable delays, unless there are truly major environmental consequences to be feared. I believe what SpaceX is trying to achieve in Boca Chica is truly unique. The potential of the project to facilitate our access to space in a never-seen-before manner is a very good thing not just for the US, but for humanity in general - which is why I believe it is also fair for me as a foreigner to provide my input. I also believe that SpaceX's approach is very much dependent on urgency and the ability to iterate and test their designs quickly to make meaningful progress on one of the most ambitious and challenging technology projects in the world. Even with all the possible support from the state & community, it will be a long and hard road for SpaceX to get Starship/Super Heavy operational. Let's not make this already very hard task even harder by adding burdensome and lengthy studies and reviews, unless we absolutely have to. With regards to the concrete environmental concerns, I do not have any direct input. It is clear, however, that humanity cannot make any significant progress on projects of the size, scope and nature as Starship/Super Heavy without at least a moderate impact on the environment. Therefore, I ask you to be as lenient as you can be while still holding SpaceX to reasonable environmental standards. I trust that you and the local residents will be able to make a sound decision whether the environmental impact is in fact reasonable for one of the most exciting and inspiring endeavors happening today in the world to proceed as unencumbered as possible. Thank you for your consideration, best regards, Christian Bussmann

From: [REDACTED]
Sent: Saturday, October 30, 2021 10:14 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Testing needs to be done in a month. Humanity depends on speed right now.

From: [REDACTED]
Sent: Saturday, October 30, 2021 10:30 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

There are few geographic places, where the United States could continue developing reusable interplanetary rockets. Because other spaceports have too many on going missions, Boca Chica seems to be the best place to pursue the development of said reusable rockets. If the US wish to maintain their leadership in terms of space exploration, we must accept to make compromises and so to authorize SpaceX's use of the Boca Chica site for orbital launches. Best regards. Prisca Trouche

From: [REDACTED]
Sent: Saturday, October 30, 2021 10:57 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Long term human progress and prosperity requires we venture beyond Earth, for the science, the challenge, and the future. We must be sure to enable this future with our actions in our time, and support what's best for long-term happiness and prosperity of the American people as well as humanity. I support SpaceX's proposed operations at Boca Chica due to their contribution to this future, and ask the FAA to do the same. Sincerely, Kyle A'Hearn

From: [REDACTED]
Sent: Saturday, October 30, 2021 10:59 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

SpaceX is the only company in the world that has a multi-planetary travel sustainability plan and I think it would be foolish not to allow them to do what they do best as they have done for all of their past missions. This is a ground breaking technology for humanity not only for america. Regulatory requirements will always be necessary but they are not an excusable reason to hold back the progression of new technologies and should move at par with the speed at which the technology progresses.

From: [REDACTED]
Sent: Saturday, October 30, 2021 11:05 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Boca Chica represents an extremely important site for the future of humanity in space. Perhaps no other technology or industry represents better the capabilities of our culture in front of other nations. We understand the need to be safe and to protect the environment. As far as the public knows Boca Chica was chosen for these characteristics. It is hard to imagine other places where there is less risks. In business 0 % risk is impossible, otherwise we all be millionaires. The re-entry of this first test has minimize any potential hazard from the unlikely event of disintegration. Without that data, it is hard to know why Boca Chica is not the ideal place for this important project. Let it be.

From: [REDACTED]
Sent: Saturday, October 30, 2021 11:10 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Hi There, I realise there is potential environmental impact to testing in Boca Chica. But Starship testing could be one of the most important programs undertaken in space travel to date. Please consider the greater good, the millions or even billions that could benefit from starships success, rather than the short term and limited impact of the testing in Texas.

From: [REDACTED]
Sent: Saturday, October 30, 2021 11:29 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Dear FAA I do believe everyone working on board are smart enough to make right decisions. So could you please use your common sense and stop slowing down the best could happen to humanity. Let SpaceX do their thing and just don't interfere. This way everyone would be happy and with a bit of luck my baby boy would be able to see or maybe even set his feet on the Red planet and call himself multiplanetary. Best Regards, K D :)

From: [REDACTED]
Sent: Saturday, October 30, 2021 11:31 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

South padre island is one of the only places that SpaceX can more safely launch Starship to make humanity multi-planetary. Please consider that Elon and his team are attempting to build the cheapest and most reusable rockets in the world.

From: [REDACTED]
Sent: Friday, October 29, 2021 10:19 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Elon is awesome

From: [REDACTED]
Sent: Saturday, October 30, 2021 11:38 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Dear FAA I am sending this letter to the FAA in support of the SpaceX effort at Boca Chica, Texas. It should be noted that there are only a few locations within the continental USA where such an operation can take place due to the size of the rockets being built. In other words in the early development phase of rocket development needs to be close to the test site. The planet Earth has become a tiny place where a single asteroid could end human civilization or worse. Furthermore, there are other serious problems for humanity on the horizon. I fear Elon Musk is correct in that there is only a short window of opportunity to create system that can propel humanity into being a multi-planet species. At the very least we have to move some of our operations off world to protect planet Earth's biosphere. Elon Musk single handily started the electric car revolution. Tesla, an Elon Musk company, even gave away its electric car patents away to competitors in hopes of weaning part of our transportation system off of fossil fuels. It is these kinds of efforts that make meaningful change for humanity's battle against the serious threat of Global Warming. It should be noted that, Elon Musk has also started a revolution in space travel by greatly reducing its cost. In doing this Elon Musk has upset and angered a number of powerful groups who have become somewhat complacent with the status quo. We are seeing that now at work with the number expensive of lawsuits to slow down or to terminate SpaceX's efforts. The Rio Grande river valley is a huge geological feature that is important to both humans and animals. From what we are learning from White Sands, New Mexico, it suggests humans have been living along the Rio Grande River for over 20,000 years. My family uses the river's water for agriculture just North of Albuquerque. Humans are going to be using the Rio Grande River valley's resources as long there are humans around. At this moment, natural gas is heating homes throughout Rio Grande valley and the USA. Compared to the use of natural gas within the USA, SpaceX's contribution to Co2 in the atmosphere is tiny. Additionally Elon Musk's other works, in other areas, with electric cars and solar cells should be considered in the grand scheme of things offsetting some of the Co2 in the atmosphere. Perhaps some of the Co2 gas can be repurposed for some other uses. I have studied the reports from "Save RGV from LNG" and "ESG Hound". Some of what is presented is impractical and a bit hyperbolic, but as you pick through their writings there are some good ideas that can be incorporated to make for a better SpaceX operation at Boca Chica, Texas. In the long run it seems SpaceX would need to have some additional factories in Florida and perhaps around the world. I hope the various corporate and environmental groups don't kill off the SpaceX effort at Boca Chica, Texas. We really need to get moving on these kinds of projects. Sincerely with Kind Regards, Edward S. Zuris [REDACTED] --

From: [REDACTED]
Sent: Saturday, October 30, 2021 11:48 AM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Dear Sir or Madam, As a space enthusiast and interested member of the public, I would like to register my support for the Boca Chica Launch site and development of the Starship/Super Heavy rocket. I ask that you grant SpaceX permission to perform unlimited launches and testing at Boca Chica. Having reviewed the PEA, I acknowledge that there will be some negative environmental consequences due to launch activities, including noise, loss of habitat, and road closures. However, these effects will be entirely local. By increasing access to space and reducing launch costs, Starship/Super Heavy will provide major scientific and economic benefits to the United states and the world for decades to come. Respectfully yours Hunter Gervelis

From: [REDACTED]
Sent: Saturday, October 30, 2021 12:02 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Dear Ms. Stacey Zee, I'm writing as I am concerned about the environmental impact of the Space X launch site proposal. I ask that the FAA require SpaceX to mitigate the impact on migrating birds and other wildlife in the area wherever possible. Where mitigation is not possible I asked that the FAA require SpaceX to purchase new wildlife reserve areas to offset the environmental impact of their activities. Sincerely, Ian Snape

From: [REDACTED]
Sent: Saturday, October 30, 2021 12:03 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

I am very much looking forward to seeing Starship's first orbital launch. I fully support this mission!

From: [REDACTED]
Sent: Saturday, October 30, 2021 12:07 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

I can't wait for the SpaceX Starship orbital launch. Please approve this mission!!!

From: [REDACTED]
Sent: Saturday, October 30, 2021 12:26 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Dear FAA, I strongly support the SpaceX plan to launch numerous space ships from a new site in Boca Chica, TX. The reasons for my support are both on national security grounds and on economic grounds. As the retiring vice chair of the joint chiefs of staff has disclosed, the United State is far behind China in supersonic flight technology. The SpaceX launches will develop entirely new technologies in which the United States can excel to restore a balance of power vis-a-vis China. It is precisely the ability to launch frequently and rapidly that is the novel strategic advantage. I believe SpaceX should be allowed to launch as many rockets as frequently as it needs to establish both orbital and short hop capabilities. Further, Boca Chica is an economically marginalized area of the United States precisely because of its location far from population centers. The SpaceX launch site will bring to the area many new jobs in construction and in services not to mention high tech industries. For these reason I urge the FAA to immediately grant SpaceX whatever launch permissions it requests. Sincerely
Joseph Grcar [REDACTED] [REDACTED] [REDACTED]

From: [REDACTED]
Sent: Saturday, October 30, 2021 12:39 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

As per climate change,we should follow the path of multi planetary species... Spacex doing a outstanding effort in space journey...we should permit them to pursue dreams become reality...Thanku...

From: [REDACTED]
Sent: Saturday, October 30, 2021 12:49 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Dear FAA, Please expedite the approval of Starship test launches. These are not commercial airliners!! The payoff is nothing less than the survival of humanity. What could be worth more than that? Take the risk! Don't forget about national security. Take the risk! We won't ever get a better chance. Take the risk. Be smart, be strong and take the risk. Send the world a message that we will take calculated risks when necessary. Don't be swept into the dustbin of history. Be a part of a great legacy. Take the risk. The risk may be high but the payoff is really huge. Take charge, waive the red tape, and take the risk. Clear SpaceX to proceed with our blessing and do it now! Respectfully, Drew G. Smith Lt. Col. USAF (Ret)

From: [REDACTED]
Sent: Saturday, October 30, 2021 12:58 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

please let SPACEX use there starbase located in Boca Chica, Texas. what space x is doing is so important for the human race!

From: [REDACTED]
Sent: Friday, October 29, 2021 10:20 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

October 29, 2021 To whom it may concern: Please approve the SpaceX Starship/Super Heavy Launch Vehicle Program at the SpaceX Boca Chica Launch Site in Cameron County, Texas so that SapceX can progress toward our future in space. There are many reasons to proceed with urgency such as: 1. Mr. Musk has proved that he can accomplish what others have only dreamed they could accomplish. 2. Mr. Musk is in his prime now and hopefully will not be stopped from accomplishing what would take other people years if not decades to accomplish or maybe never. 3. Mr. Musk is a gift to our country, please do not let his talents and spirit be squandered because of an overly cautious bureaucracy. 4. Our country is now in a space race against Russia and China who seem to not care about the environment or people as individuals. It they were to dominate space they would not take the care for the environment and the safety of people as does the United States. Please approve the plans SpaceX has proposed as soon as possible. 5. The area in Texas where SpaceX is located has historically been an area of poverty and now has the opportunity to become an inspiration to the whole world as it becomes a center of progress and scientific exploration. 6. SpaceX has developed the reusability of both stages of the rockets when others thought it was impossible, who knows what other spectacular inventions they will come up with if allowed to proceed with their plans as fast as possible. Please allow SpaceX to proceed with the SpaceX Starship/Super Heavy Launch Vehicle Program at the SpaceX Boca Chica Launch Site in Cameron County, Texas. Joe Costello cell: (417) [REDACTED] email: [REDACTED]

From: [REDACTED]
Sent: Saturday, October 30, 2021 12:59 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Please make this happen. The country needs a "win" about now.... please.

From: [REDACTED]
Sent: Saturday, October 30, 2021 1:02 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Hello, I am hereby writing to communicate my support of the SpaceX Starship orbital vehicle program operating out of Boca Chica TX. This mission will not only be run with the utmost safety and professionalism but will help humanity reach further into space than we ever have before. These are the moments that will define our future as a species, and as such, I trust that the FAA will come to a positive conclusion. Thank you for your time, Patrick Wilson

From: [REDACTED]
Sent: Saturday, October 30, 2021 1:41 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Launch, this project must move forwards for mankind's sake

From: [REDACTED]
Sent: Saturday, October 30, 2021 1:53 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

This email is in support of quick approval for SpaceX to proceed with its efforts in Boca Chica, Texas. Having followed the SpaceX developments in Boca Chica since their inception, and listened to both public sessions and considered the pros and cons, I would like to add this email as an additional signal of support for SpaceX. The benefits that SpaceX is working on will benefit Boca Chica, Texas, the USA and the rest of the world, and should outweigh any objections discussed. Please do what you can to provide expedited approvals for further SpaceX operations. David Ditzel Palo Alto, California

From: [REDACTED]
Sent: Saturday, October 30, 2021 1:58 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

I am very excited to see the Starship orbital launch. Please approve this mission!

From: [REDACTED]
Sent: Saturday, October 30, 2021 2:00 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

I am in favour of the FAA granting the necessary permits/licences to allow SpaceX to conduct Starship/Super Heavy launch operations from the Boca Chica Launch Site. Regards, Trevor Rix

From: [REDACTED]
Sent: Saturday, October 30, 2021 2:05 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

Dear FAA, I fully support spacex starship programe in Boca Chica. Spacex already broad huge revolution to space industry and whole starship program has great mission for humanity. This will not only change the industry if successfull, but equally redefine the way humanity perceives life, space and earth boundaries. I think the program should be approved to enable the evolution of humanity. Consulting professional in IT. Slavik

From: [REDACTED]
Sent: Saturday, October 30, 2021 2:12 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

I would highly recommend the faa to allow spacex and Elon musk to conduct an orbital flight test of starship #20 and booster #4. It would be great it could be done by Nov-Dec Months so they can begin with the next step of making humanity's next gain leap of sending people to mars.

From: [REDACTED]
Sent: Saturday, October 30, 2021 2:19 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

I would like SpaceX to be permitted to continue their efforts to explore space in Boca Chica, Texas. I think it's important that mankind continue the mission of space exploration and trying to understand the universe around us.

From: [REDACTED]
Sent: Saturday, October 30, 2021 2:21 PM
To: SpaceXBocaChica
Subject: From www.faa.gov: [REDACTED]

This email was sent through the Federal Aviation Administration's public website. You have been contacted via an email link on the following page: https://www.faa.gov/space/stakeholder_engagement/spacex_starship/

Message

I believe that all attempts at space travel both public and private should be encouraged and allowed. I support the efforts of SpaceX in Boca Chica

From: Charles Griffin <[REDACTED]>
Sent: Saturday, October 30, 2021 4:18 PM
To: SpaceXBocaChica
Subject: Fwd: SpaceX PEA

From: Charles Griffin <[REDACTED]>
Subject: Fwd: SpaceX PEA
Date: October 30, 2021 at 7:11:46 PM EDT

I traveled from Boston to Brownsville on the 14th of this month so that over four days I could see firsthand the situation at Starbase as I did not want to have my opinions formed solely by what the media presents.

When viewed from the air one sees that the land surrounding Starbase is a great area of wetlands and marshland. Starbase consumes a tiny area which is placed ideally; hard against the Gulf of Mexico and the Rio Grande.

I spoke to over forty people during my four days from Brownsville to South Padre and only found two people who had any complaint with SpaceX or their operations at Boca Chica.

Both were "beach people" who asked that access to the beach be easier.

Neither suggested that SpaceX's activities be stopped or delayed. SpaceX's solution to widen Route Four in three locations would solve the problem as the delays would be a matter of a minutes.

I read environmentalists stating they were concerned about turtles and birds and other wildlife being affected. The guides at the Sea Turtle inc. sanctuary in South Padre spoke enthusiastically of SpaceX. The way in which the eggs are harvested and moved seems to meet the test of case for the Green Sea Turtle.

Elon Musk is the "greenest" human being that has ever lived. Musk has not only revolutionized the transportation sector, including self driving to drastically reduce accidents. He's made renewable energy practical and cheaper than carbon based fuels. The Web is close to be available to everyone.

He is solving the global warming crisis. This with his own money and remarkable commitment of time.

It is the FAA task is to review the various effects of the rocket launches at Boca Chica. Hopefully this current review will lead to a prompt issuance of the final PEA and that the company will not be subjected to a EIS when there appear to be no reason to do so.

Sincerely,
Charles Griffin
Chairman
EGA Architects
Newburyport
Massachusetts

Sent from my iPhone

From: Karen Cummins <[REDACTED]>
Sent: Saturday, October 30, 2021 2:43 AM
To: SpaceXBocaChica; Zee, Stacey (FAA)
Cc: [REDACTED]
Subject: Letter on SpaceX PEA
Attachments: SpaceX_BocaChica.docx

Greetings,

Please see my attached letter on the SpaceX PEA.

Regards,
Karen Cummins

Ms. Stacey Zee, RE: SpaceX PEA

c/o ICF, 9300 Lee Highway, Fairfax, VA 22031

To: E-mail: [REDACTED]
[REDACTED]

CC: <[REDACTED]>

Dear Ms Zee,

I am writing to provide comment on the FAA's Draft Programmatic Environmental Assessment for the SpaceX Starship Super Heavy Project at the Boca Chica Launch Site. I am very concerned about the current state of development and activities which have already had major negative impacts and which were never evaluated in the original EIS, making this new plan to EXPAND that activity and infrastructure even more alarming. The Boca Chica area, including the Lower Rio Grande Valley National Wildlife Refuge, several Texas State Parks and the South Bay Coastal Preserve – is an ecological gem, yet it is being treated by SpaceX as if it were a wasteland. This expansion plan essentially seeks to sacrifice a publicly-owned natural resource area of hemispheric importance for a private company. I just read an informative article by the American Bird Conservancy, and the following quote is quite alarming:

“The American Bird Conservancy (ABC) is deeply concerned about the facility's impacts on wildlife habitat and species listed under the Endangered Species Act (ESA), including the federally Threatened Piping Plover and Red Knot, and the Endangered Northern Aplomado Falcon...The SpaceX facility in Boca Chica is surrounded by federal and state public lands used by hundreds of thousands of individual birds of many different species throughout the year...”

Boca Chica is an especially vital place for migratory birds that pass through there to rest and refuel so they can successfully continue and complete their migratory journeys. Also, the area contains all five seagrass species that occur in Texas, mostly fringed by dense and probably the most well-established stands of black mangrove in the state. These stands of mangrove also have considerable importance to nesting waterbirds, such as the Roseate Spoonbill. The Piping Plover, listed as Threatened under the Endangered Species Act, is one of the many species being negatively impacted by the ongoing construction of the SpaceX Starship Super Heavy Project and launch site. According to a recent analysis, the population of Piping Plovers has declined by over 50% at the site in only three years since the onset of testing and launch activities. This is an alarmingly rapid decline for a species that is already under increasing risk of extinction.

An objective Environmental Impact Assessment should be made:

- To address cumulative impacts that have yet to be recognized by the Federal Aviation Administration and SpaceX, such as fuel transport and storage at the facility, as well as massive

proposed infrastructure projects including a 250 MW power plant, a natural gas plant and liquefier, and a desalination plant.

- A launch failure analysis should be part of the Environmental Impact Statement (EIS) to assess the risks to public safety and risks to the proposed infrastructure and operations at the Port of Brownsville and off-shore.
- The Federal Aviation Administration should examine more alternatives, rather than just the “all or nothing” alternatives. One of the other alternatives that should be included is moving the testing of Super Heavy to a designated large rocket testing site, such as Provo, Utah or Stennis AFB in Mississippi. The latter is where the Saturn V rocket was tested, and where the Space Launch Systems (SLS) rocket is currently being tested. Another alternative should include launching Super Heavy offshore or from Cape Canaveral.
- The Clean Water Act, Section 404 specifies the consideration of alternatives to the proposed action of filling or dredging of wetlands. SpaceX has provided no alternatives or other measures necessary to protect public health and safety.
- Construction is anticipated to permanently fill 17.16 acres of wetlands, and the filling of 25.8 acres of floodplain. No alternatives or mitigation has been provided by SpaceX.
- The Draft Programmatic Environmental Assessment mentions that noise and shock waves (far-field overpressure) may break windows on SPI and Port Isabel. If that can happen 5 miles away from the launch site, what will be the effects on birds, reptiles & small mammals that are a half mile or less from the launch site? The launch site is surrounded by national wildlife refuge and state park land.

With these and many other serious concerns in mind, I therefore must ask why is the SpaceX Starship Super Heavy Project and launch site being expanded, even though some of the infrastructure has yet to be approved by the Federal Aviation Administration (FAA). This is not a suitable site for such a volatile and damaging industry to operate. Now that this site is no longer out of sight and out of mind, I ask that the FAA NOT approve this proposed SpaceX expansion scheme. Instead, I ask that the FAA move to better regulate and greatly reduce operations there so that they abide by the original approval stipulations which SpaceX has sadly repeatedly violated without sufficient repercussions.

Awaiting Your Prompt Response,

Karen Cummins



From: Jo Wright <[REDACTED]>
Sent: Saturday, October 30, 2021 3:41 AM
To: SpaceXBocaChica
Subject: My support for the FAA PEA for SpaceX program at Boca Chica
Attachments: Response to the FAA PEA for SpaceX development at Boca Chica (5).docx

Sent from my iPad

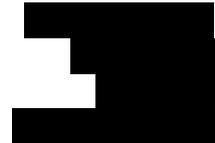
Dear Sirs,

Elon Musk said "Please add your voice to the public comments. Humanities future on the moon, Mars and beyond depends on it. Thanks, Elon Musk".

Attached are my considered support for the above SpaceX program at Boca Chica

Best Regards,

David Filmer MA (Cantab)



18th October 2021

To the FAA.

I am a British citizen from Somerset and an innovative research scientist. I have read the draft PEA issued by the FAA in September 2021.

In general, I support the activities of SpaceX in developing new and innovative vehicles to enable mankind to become a space-faring species and to establish human settlements in space, on other solar planets and moons and eventually elsewhere within the Milky Way and other galaxies.

There have already been several extinction events on planet earth over geological time, and we are experiencing yet another. We hope that the human race survives this one, but inevitably, another will happen where when our species will not survive. Before that happens, we must be able to live elsewhere in the universe, which is the goal of SpaceX.

The company has a successful track record of doing things thought impossible before, such as enabling rockets to land vertically on land and on drone ships, so enabling them to be re-usable and cutting the costs of placing objects in space by orders of magnitude. Space's approach of testing new ideas, accepting initial failure and learning from mistakes until it eventually succeeds, is to be admired and encouraged.

SpaceX's object at Boca Chica is to build a space vehicle larger than its successful Falcon 9 vehicle, which has a NASA contract to transport materials and astronauts to the International Space Station and back. It also aims to catch vehicles and boosters returning from space, in mid-air, something that has never been done before. As before, early attempt may fail, but lessons learned will make improvements until the goal is reached.

So, SpaceX has asked for the minimum number of suborbital and orbital flights to be approved by the FAA in order for that to be achieved and the PEA suggests that the proposal is not unreasonable. When SpaceX has shown it can be done, and is safe, one would hope that the FAA will approve a future application for more launches to enable flights to the moon and Mars to be accomplished.

The FAA will consider potential environmental impact. It must be remembered that all innovators from the past, and to date, have faced objections from those who always want to retain the *status quo*, are happy with things as they are and don't want change. Many are very vehement in their views and can organise their protests competently. However, reading through the PEA, aspects of air quality, climate, noise, visual effects, and water, biological, and coastal resources, seem to be quite low and acceptable. Environmental consequences also seem to be not unreasonable.

It is to be hoped therefore that the FAA will balance the highly desirable benefits of the SpaceX objectives, against the expected and anticipated objections of the environmental lobby.

There is also the political aspect to consider as SpaceX is currently leading American endeavours in space in competition with the rapid progress being made by China, which not only has rovers on Mars, on the "dark" as well as the visual side of the moon, but has recently established its own Space Station.

David Filmer MA (Cantab)

From: ESG Hound <[REDACTED]>
Sent: Saturday, October 30, 2021 12:54 PM
To: SpaceXBocaChica
Subject: PEA Letter
Attachments: SpaceX Final Letter ESGH 10-30-21.pdf

Hi Ms. Zee-

Here is my letter.

Eric

October 30, 2021

Ms. Stacey Zee
SpaceX PEA, c/o ICF
9300 Lee Highway
Fairfax, VA 22031

Transmitted to [REDACTED]

***Comments on SpaceX Draft Programmatic Environmental Assessment
for Starship/Super Heavy Program***

Dear Ms. Zee,

Introduction

In the six weeks since the Draft Programmatic Environmental Assessment (PEA) was released to the public, not a single major media outlet has reported on a cryogenic gas fractionation plant as part of SpaceX's plans. Nor have they written the phrase "Liquefied natural gas" (or LNG). And yet, both processes are part of the PEA. SpaceX is one of the most publicly known and widely covered enterprises in the world. The fact that these highly controversial and widely protested facilities, used to refine and transform fossil fuels, went almost entirely un-noticed by the public, is disturbing and damning evidence that the very foundational basis for the National Environmental Policy Act (NEPA) has been violated to an almost unimaginable degree.

And that's only the tip of the iceberg. I will outline in my letter major points of contention I, alone, have discovered. I have also attached a table with all the missing, misleading and scientifically inaccurate flaws with this document. I keenly await your response to these concerns.

1. The Missing Gas Problem

The facility calls for not only a gas fractionation system and an LNG unit (the "Pretreatment System" and "Liquefier"), but a 250-Megawatt Combined Cycle Natural Gas Turbine power plant. The power plant *alone* would consume at a minimum 1,500 MMBtu¹ (million British Thermal Units) per hour. The quantity of pipeline quality natural gas required to fire such a facility would be roughly 35 million Standard Cubic Feet (scf) every single day. The DOT limit for transportation of Flammable Gasses is ~640,000 scf on a single trailer.² Which means that even using the largest CNG trailers available, this power plant would consume 54 trucks per day, or approximately one every 26 minutes. This, of course, is an impractical solution from a logistics standpoint alone, as SpaceX's facility is only accessible via an already over congested 2 lane highway. A parade of trucks in and out of the facility 24/7/365 would, by itself, be a "significant environmental impact." However, the average CNG trailer on the road holds less than half of the maximum, so realistically 100 trucks per day should be considered if this is how SpaceX intends to operate the facility. In addition, the impact of such a ridiculous Just-in-time operation would run the significant risk of failing. This would mean that the Combined Cycle Power Plant would run the ongoing risk of suffering an "unplanned shutdown event." The NOx and CO emissions from such a power plant would likely spike 10-100x during such an event. Such unplanned events are explicitly prohibited in

Federal Law as well as definitionally excluded from TCEQ's Maintenance Startup and Shutdown regulations.

This brings us to the next point: SpaceX has shown interest in developing a pipeline to deliver fuel to the facility, as reported by TechCrunch³, citing a Federal Official with firsthand knowledge of the situation. The word "pipeline" is not mentioned a single time in the PEA. SpaceX clearly intends to make a pipeline, as no similarly sized power plant in the entire United States is fueled via truck. The omission of this intent, which is documented in writing and verbal communications with the US Fish and Wildlife Service, is a shocking and unprecedented failure of the FAA and SpaceX to do even the most cursory of Environmental Assessments.

In *Sierra Club v. Federal Energy Regulatory Commission*, (Docket. 16-1329), the DC Circuit court ruled in favor of the petitioners that the EIS for the Valley Crossing Pipeline (SpaceX's neighbor) was inadequate because FERC failed to disclose the Carbon impact from the combustion of the natural gas delivered to end customers in Mexico. This illustrates the scope of Impact Assessment required under NEPA and repeatedly upheld in the US Court systems. SpaceX and FAA failed to even disclose the source of SpaceX's gas, how it would be delivered, and what the upstream impacts would be. This is all *clearly* in scope of the covered action, as the surrounding county and region is not currently a producer of natural gas in any sort of significant quantity.

The FAA must disclose the quantity, location, and delivery method of Natural Gas to be used at the facility, and the impacts of delivery must be analyzed quantitatively.

2. The Major Source Problem

The facility, as described, is clearly subject to the Prevention of Significant Deterioration (PSD) rule under the 1977 Amendments under the Clean Air Act, and as such would be subject to Off-Site impact analysis. A 250-Megawatt combined cycle power plant that consumes 1,500 MMBtu per hour or more would clearly be a "Fossil fuel-fired steam electric plants of more than 250 million British thermal units per hour heat input,"⁴ as defined in the PSD rule. The General Conformity (GC) Rule, as applied in the PEA, is grossly applied by the authors and reviewers, seeing as:

- a. The GC rule is explicitly exempted for sources subject to PSD or Non-Attainment New Source Review, and;
- b. Per FAA's own guidance in the 1050.1F Desk Reference, a GC determination is only valid once all Direct and Indirect emissions from the proposed action are summed up. This did not happen by the authors' own admission.

Some examples of missing emissions include:

1. Emissions from existing SpaceX operations permitted by TCEQ, including
 - a. Permit no. **166086** – Painting Operations
 - b. **155544** – Diesel Emergency Generator
 - c. **156011** – Rocket Development Control Device (e.g., Flare)
 - d. **161598** – Natural Gas Generator
 - e. **165259** – LOX power plant (annual Potential to Emit of 88 tons CO, 32 Tons NOx, 9 Tons VOC and 6 Tons HAPs)
2. Emissions from the non-road engines used on the facility's numerous cranes. As an example, a LR11000 Crane, made by Liebherr, has a diesel power plant rated at 500 kW. One of these units was delivered to the site on 10/29/21. Using the EPA Tier 4 emissions factors, the emissions from

this unit alone would be 3.9 pounds of CO per hour and 1.1 pounds of NO_x per hour. These emissions, from a single crane, could sum up to 17 tons of CO and 4.8 tons of NO_x annually.

3. Emissions from other non-road equipment, such as earth movers, forklifts, flat bed rocket shuttles.
4. Emissions from Trucks that are loading and unloading LNG, Liquid Wastes and Co-products and other materials used and generated at the site

The fact that even with the glaring omission of all direct and indirect emissions, the calculated incremental Carbon Monoxide emissions were calculated at greater than 100 tons is a clear indication that the facility is a “Major Source” under the PSD rule. Addition of all other on-site and off-site, indirect and direct emissions would easily clear the GC 100-ton threshold by a wide margin, potentially for VOC, HAPs and NO_x as well.

The PEA’s attempt to “net out” CO emissions to get under the 100-ton threshold is confusing, and grossly incorrect application of PSD major change language. Netting incremental project emissions is only allowed for sources that are already *existing* “Major Sources” under the PSD rule. For initial Major Source applicability, the total site-wide emissions, including existing emissions and emissions from non-road and fugitive sources count towards the site wide cap. This is explicitly noted in both TCEQ⁵ and EPA guidance, going back decades. And since the proposed project includes one of the 28 named sources under the 1977 CAA amendments (a Fossil fuel-fired steam electric plants >250 MMBtu/hr), the criteria pollutant threshold is **100 tons** of any criteria pollutant, not 250 tons as implied elsewhere in the PEA.

I have done a records review of all FERC and DOE projects authorized under NEPA in the past 30 years. Not a single PSD subject source has ever passed through a PEA or EA process and is always part of a full EIS. As an example, the Deer Creek Station Energy Facility Project in South Dakota was a stand-alone 300-megawatt combined cycle power plant authorized by DOE in 2010 (EIS-0415). This single source, with no accompanying rockets, gas treatment or LNG, was considered a “major action” under NEPA and was required to go through the EIS process. The idea that a similarly sized power plant plus numerous other large operations would constitute a *de minimus* or insignificant action is plainly absurd.

Additionally, in 100% of cases in which a NEPA action includes a PSD subject source, the initial air permitting and PSD modeling was complete and approved *prior* to the issuance of the EIS. The PSD modeling is what determines if there would be an off-site impact. The PEA includes a passage:

There are also few members of the public that live in the project area. Boca Chica Village has 10 remaining residences; two homes are occupied full time and the remaining eight homes are seasonal or have been vacant in recent years. Pollutant concentrations would have ample distance to disperse and concentrations at the nearest populated areas (e.g., Brownsville, South Padre Island) would be low. Thus, members of the public would not be exposed to CO concentrations that would exceed the NAAQS.

This statement belies a complete lack of understanding of what the Clean Air Act requires. NAAQS levels and offsite impacts aren’t just something you can just categorically dismiss. The relatively low population of Boca Chica village is not only irrelevant to off-site impacts for NAAQS increments under PSD; the dismissive language itself demonstrates a clear and insidious disregard of the needs or concerns of the local population. SpaceX and FAA’s complete lack of regard for Environmental Justice issues is visible elsewhere in this document and in their actions since 2014. This statement only further shows that the FAA and SpaceX views NEPA as nothing more than a mere annoyance.

Finally, the LNG/LCH4 process might be a "Fuel Conversion Plant," another of the 28 named sources under the PSD rules. EPA needs to be given an opportunity to make this determination. Natural gas fractionation plants, per EPA guidance and precedence are not a "Fuel Conversion Plants." Likewise, most LNG conversion facilities have been excluded as "Fuel Conversion Plants." However the Justification used by EPA to make this determination (Jordan Cove Liquefied Natural Gas Facility, 2017 EPA letter) is narrow and might not apply to the SpaceX facility as described. In particular, the Jordan Cove EPA determination stated:

"After a closer examination of the EPA's historical approach, our view is that a change in state is a possible characteristic of a fuel conversion plant but not the sole characteristic - i.e., not everything that accomplishes a change in state is a fuel conversion plant. Where a change of state occurs only for transportation needs, the fuel remains natural gas throughout the process, and the process is necessarily reversible. Notably, in the case of an LNG export facility the change of state must be subsequently reversed at another facility before the natural gas is used as a fuel."

EPA used the exemption for export facilities because the LNG conversion process was being used for transport purposes and the receiving facility would expand the LNG back into natural gas prior to use as a fuel. In the case of the SpaceX facility, the PEA explicitly states that this proposed processing facility will convert the natural gas to a liquid (LNG/LCH4) for the express purpose of being used as rocket fuel. Therefore, a (1) change of state is occurring, e.g., gas to liquid and (2) the resulting liquid, not the gas, will be combusted as fuel.

To Summarize, there must be no approval of any stationary sources of pollution under NEPA by FAA, until after off-site modeling has been completed and EPA/TCEQ has approved the PSD permitting action. EPA must be given an opportunity to make a PSD applicability determination under the "Fuel Conversion Plant" provision of the PSD rules.

3. The Cooling Tower Problem

Twice in the PEA, a cooling tower is mentioned to as required to cool down process water. This unit would be expected to consume up to **400 million gallons** of water per year, based on a DOE estimated value of 200 gallons per Megawatt hour for combined cycle turbines. The PEA claims that a total of 5.8 million gallons would be consumed per year. There is no excess water available from the Lower Rio Grande, nor is there any water pipeline to the facility. Management of hundreds of millions of gallons of water is, alone, a "significant environmental impact," per FAA's own guidance documents under Order 1050.1F.

There are only two mentions of "cooling tower" in the PEA. Particulate (PM) emissions for a unit sized for such a plant would be 10-15 tons per year, yet the Power Plant emissions indicate no PM emissions. The treatment of the water in the cooling tower would require the usage, storage, and handling of thousands of pounds of chemicals such as oxidizers, acids, bases and pesticides per year. These items are not included in the PEA.

A comprehensive re-evaluation of the Cooling Tower, as well as the water resources section is required. This must happen through an EIS.

4. The Gas Plant Problem

The PEA describes a "natural gas pretreatment" facility that will

“Process natural gas brought to the site for use as propellant and for power generation. The natural gas pretreatment system would remove impurities such as water, carbon dioxide (CO₂), and hydrocarbons heavier than methane from the extracted natural gas to create a stream of pure gaseous methane (sic) The natural gas pretreatment system would include a main de-ethanizer that would be approximately 200 feet tall and 16 feet in diameter and include smaller cylinders approximately 6 feet tall.

What is being described is a rather large cryogenic gas plant, used for treating field gas directly from wells. A 200 ft tall, 16-foot diameter processing column indicates that the facility is likely rated at 200 million scf per day. Despite the description in the Assessment stating that "pure methane" would come out of the processing plant, there is no technical literature to support this claim. Deethanizer columns, such as the ones described in the PEA, process natural gas of methane purities of 50-80% into a final residue stream of 99+% pure (mol basis) methane. Indeed, the adjacent Valley Crossing Pipeline system has a FERC customer specification of 98% or higher Methane with 1-1.6% Ethane (by mass) as a residue. Large deethanizer columns such as the ones described are not suited to the task of creating pure methane from an already nearly pure input gas. An example of such a process, the Eagle LNG Facility in Jacksonville, FL (FERC docket CP17-41), processes pipeline quality natural gas into 99% or greater methane, completely devoid of CO₂ and water and then liquifies it. This facility can produce 500,000 gallons of LNG daily with no large processing column but a simple LNG train plus a small hydrocarbon knockout vessel, a glycol dehydrator, and an amine treatment unit. The Eagle LNG facility can do this all while generating 90% less VOC emissions than SpaceX is proposing.

Further evidence for this can be found in the Power Plant emissions, which indicates VOC emissions of 9 tons per year. Since Methane is NOT a VOC, these emissions must come from the combustion of propane or heavier carbon (C₃+) gasses in the turbine. If SpaceX claims to be making Pure Methane (e.g., a plain language term commonly understood to mean 100%), the power plant emissions, which is fed fuel from the "natural gas pretreatment" facility should have VOC emissions of zero (0) tons per year. And indeed, this is not the case, as the power plant VOC emissions are roughly in line with the AP-42 emission factors for combustion of regular pipeline quality natural gas (which is defined in AP-42 as being +/- 5% of Btu of Pure Methane).

In addition, the Gas plant emissions (VOC, NO_x, and CO) are estimated at 47, 10 and 14 tons per year respectively. Combustion devices have minimum destruction rate efficiencies (DRE) of 98% for process heaters, 99% for process flares, and 99.5% for thermal oxidizers. The CO (14 tpy) and NO_x (10 tpy) emissions described only line up with a total of up to 350 MMBtu combusted per year (based on AP-42 emission factors for flares and process heaters).

A simple mass balance shows that if the facility were processing pipeline quality natural gas to be 100% methane, it would have to process 20 billion scf per day (or roughly the entire daily output of the entire state of Texas) to emit 47 tons of VOC.

All of this demonstrates that SpaceX intends to begin collecting and processing natural gas from nearby gas wells. But there are no pipelines to deliver this gas and there are no producing gas fields within 50 miles of the Boca Chica site. SpaceX clearly consulted with a manufacturer of a cryogenic gas plants (such as Exterran or Honeywell UOP) and asked for engineering specifications for a plant to treat wet natural gas from fracked wells. The emissions numbers they provided prove it. This is a disturbing development. Not only does SpaceX and FAA withhold where the gas comes from (as mentioned in part 1), but their apparent intention to begin drilling for gas themselves is a stunning, and possibly criminally negligent piece of information to withhold from a NEPA document.

SpaceX must disclose the processing capacity of the “pretreatment facility” and the “liquefier.” They must characterize where the input fuels come from and must evaluate all environmental impacts that would be associated with a SpaceX natural gas E&P operation. The chemical composition of the input stream into the “pretreatment” process must be provided to the public as well. None of this can be adequately covered in a PEA and must occur via an EIS.

5. The Plain Language Problem

As alluded to in the introduction, the most troubling part of this PEA is the fact that it deviates from any sort of reasonable “plain language” requirements of NEPA. The FAA, SpaceX and the FAA reviewers are all certainly aware that this is a large project, completely unsuitable for approval via the PEA process. That the media has not picked up on this is an indication of how much required information is missing from the PEA. But it is also a function of the misuse of “plain language” rules. A “natural gas pretreatment process” is a “cryogenic gas plant” or an “NGL fractionator.” A Rocket Fuel “liquefier” is an “LNG plant.” No one is discussing what it is SpaceX intends to do with their “related infrastructure.” Elon Musk is perhaps the most widely covered individual in the world aside from Donald Trump and has made his name on being “green.” The idea that a large gas processing and utility power operation would get overlooked by the media is absurd. Unless, of course, the document containing these facts was written in such a way to cause confusion among people unaware of how the Oil and Gas business works.

The full EIS that is required must be handed off to a responsible third party. FAA, SpaceX and ICF International have proven themselves to be woefully inadequate at completing a legal and accurate document.

Conclusion

I was struck watching protests unfold this past Friday, October 29th. Hundreds of thousands of Americans poured out into the streets to protest banks and government agencies and oil companies for their inaction on slowing down fossil fuel development. Meanwhile, six weeks had passed since FAA and SpaceX disclosed to the world a greenwashed oil and gas operation proposed to be built on a Federal Wildlife Refuge, in service to the demands of the richest man in the world. No, this operation isn’t ANWAR or Keystone Pipeline. But it is significantly more impactful than the Astoria Peaking Station in New York, a 436 megawatt power plant, that was cancelled this past week to the cheers of many.

The desired effect, to let Elon Musk and SpaceX get what they want, with no pesky questions from the press appears to have been achieved. But only for the time being. Disclosure of all details is required under NEPA. The Fraud is already complete though, as you let the lie sit there, certified for weeks on the Federal Register, containing information you know to be inadequate and false.

You, Ms. Zee, are complicit. The FAA Administration is complicit, from Administrator Steve Dickson to Responsible Official James Repcheck and every feckless government official in between. A crime has been committed. Withholding relevant information with the intention to mislead, from a document that is certified in the Federal Register, is a crime. We still live in a nation of laws. You must step down. Mr. Dickson must step down. Mr. Repcheck must step down. The private contractor, ICF International, must have every single federal contract they are currently assigned to reevaluated in light of their reckless and unprofessional behavior.

A full EIS is warranted by even a cursory understanding of what NEPA is intended to do. There can be no tiered approval, as this document is de facto worthless for any sort of compliance under NEPA. Nothing produced by the people who created this PEA should be considered truthful, complete or adequate. All SpaceX activity at Boca Chica must cease, at once. This includes static fire tests and construction and rocket building. Let this testament to greed and corporate misbehavior sit unused until you follow the law and complete a full EIS.

Shame on all of you.

Regards,

Eric “H” – M.S. Environmental Engineering, Texas and Concerned citizen.

Attached: List of issues

¹ Industry Average of 7000 btu/kwh

² 49 CFR § 173.115

³ <https://techcrunch.com/2021/10/08/the-mystery-of-elon-musks-missing-gas/>

⁴ 40 CFR 52.21(b)(1)(iii)(z)

⁵ TCEQ doc APDG 5881 "Major New Source Review - Applicability Determination"

Discipline	Sub Discipline	Finding	Citation
General	Plain Language	<p>The Language used to describe the Natural Gas Processing plant is intentionally deceptive, misleading and dangerous. What SpaceX describes in the PEA as a "Natural Gas Pretreatment Facility" is actually a standard cryo Natural Gas plant, functionally identical to the dozens plants located all throughout Texas. Likewise, the "Liquefier" is an LNG (Liquid Natural Gas) conversion unit. These terms are both a departure from engineering standards for processing, separating and treating natural gas and appear to be intentionally designed to fool a gullible press and public into believing that somehow this facility is somehow different than other oil and gas operations, plants that the public commonly associates with negative environmental externalities.</p> <p>The evidence for this is that as of 10/1, two weeks after the release of the PEA, not one single media outlet is reporting on the very simple fact that SpaceX intends to build an integrated oil and gas processing operation in Boca Chica. Had Exxon or Chevron tried to permit a Refinery by calling it a "specialty hydrocarbon reformulator," activist groups would be rightfully up in arms. The Plain Language standards, both generally and specifically as referenced in the March 2012 CEQA Memorandum, have been abused by SpaceX. This has been enabled by the FAA and is a transparently cynical attempt to trick the public into haplessly accepting brand new oil and gas development on federal wetlands with a smile. This sort of trickery is outrageous, fraudulent, and should not be rewarded.</p>	<p>CEQ Memo Dated 3/6/2012 "Improving NEPA Efficiencies"</p> <p>FAA Order 1090.1F 1-9</p>
General	Scope	<p>The facility emissions profile indicates that SpaceX intends to source natural gas from local wells, which would require a large supporting upstream and midstream processing operation, this activity is not disclosed in the PEA</p> <p>There are two conceivable options by which the natural gas treatment plant could receive input fuel</p> <ol style="list-style-type: none"> 1. From adjacent pipeline spec natural gas or via LNG tankers (~1% molar mass ethane) 2. From a gathering pipeline (wet natural gas) <p>Despite the description in the Assessment stating that "pure methane" would come out of the processing plant, there is no technical literature to support this claim. Deethanizer columns, such as the ones described in the PEA, process natural gas of methane purities of 50-80% into a final residue stream of 99% pure (mol basis) methane. Indeed, the adjacent Valley Crossing Pipeline system has a FERC specification of 98% or higher Methane with 1-1.6% Ethane (by mass) as a residue. Additional processing of such a stream or any available LNG source would be not only not economical, but essentially a wasteful and unproductive exercise. Large deethanizer columns such as the ones described are not suited to the task of creating pure methane from an already nearly pure input gas. Companies who specialize in creating pure, lab spec Methane (such as Air Liquide), use a series of progressive distillation steps to create gasses of guaranteed purity of up to 99.99%. These processes are not like the processing plant as described, as they are low volume, high pressure and high energy intensity processes.</p> <p>Further evidence for this can be found in the Power Plant emissions, which indicates VOC emissions of 9 tons per year. Since Methane is NOT a VOC, these emissions must come from the combustion of propane or heavier carbon (C3+) gasses in the turbine. If SpaceX claims to be making Pure Methane (e.g. a plain language term commonly understood to mean 100%), the power plant emissions, which is fed fuel from the "natural gas pretreatment" facility should have VOC emissions of zero (0) tons per year. And indeed, this is not the case, as the power plant VOC emissions are roughly in line with the AP-42 emission factors for combustion of regular pipeline quality natural gas (which is defined in AP-42 as being +/- 5% of Btu of Pure Methane).</p> <p>In addition, the Gas plant emissions (VOC, NOx and CO) are estimated at 47, 10 and 14 tons per year respectively. Combustion devices have minimum destruction rate</p>	<p>AP 42 - Chapters 13.5, 1.4</p> <p>30 TAC 116.120</p> <p>30 TAC 115.120,126</p> <p>TCEQ APDG 6422</p> <p>40 CFR 60 (KKK)</p> <p>FAA Order 1090.1F 1-9</p>
General	Scope	<p>One or more pipelines would need to be constructed in order for the facility as described to operate. The PEA makes exactly zero references to where input fuel for either the gas plant or the power plant would come from. There are zero mentions of the word "pipeline" in the entire PEA. Likewise no discussion on the increased truck traffic that would exist in order to provide the additional fuel exists.</p> <p>A 250 megawatt power plant would consume at a minimum 1500 mmBtu/hr, conservatively assuming a combined cycle heat input of 6000 btu/kwh. As a point of reference, a LNG tanker truck containing 70,000 pounds of liquified gas (80,000 pounds is the DOT wheel weight limit) would contain a grand total of 1486 mmBtu of fuel (DOE data for LNG: 21,240 btu/lb lower heating value). This means a new LNG truck would have to be hooked up to the plant every hour, on the hour throughout the year. 8000+ trucks per year is a logistical impossibility, but even if this was the plan, the environmental impact from constant truck traffic to and from the facility throughout the day and night would likely be very significant and at the minimum are required to be disclosed and analyzed per NEPA.</p> <p>Realistically a pipeline is required, and again this activity is not mentioned. There are no pipelines going to or from SpaceX property currently. A single, low pressure gathering system pipeline (TX RRC Permit T08469), that runs along The Boca Chica Highway was permanently abandoned in 2015 by the operator, as seen in RRC filings. PHMSHA rules define "abandoned pipelines" as those that have undergone a "permanent and irreversible" removal from service.</p> <p>The facility would require installation of a 10 inch or wider high pressure natural gas pipeline that would go through Fish and Wildlife (FWS) property, in addition to well head and gathering system pipelines required to support wellhead E&P activities. The omission of this basic, and easily confirmed, fact is again a egregious violation of FAA's own criteria for related activities scope under NEPA.</p>	<p>49 CFR 192.727</p> <p>FAA Order 1090.1F 1-9</p>

Air	PSD Permitting	<p>The facility was not identified as one of 28 Named Sources under PSD. The power plant is a combination of 2 combined cycle (Co-gen) natural gas fired turbines rated at a total of 250 megawatts, per the PEA. At a conservative 6,000 Btu/kWh (from GE turbine literature), this would mean the power plant is rated at a minimum of 1500 mmbtu/hr, which is well above the 250 mmbtu/hr requirement to be defined as a "Fossil fuel-fired steam electric plants of more than 250 million British thermal units per hour heat input"</p> <p>This puts special requirements on the facility regarding PTE thresholds. The reviewers did not identify this and as a result made a series of incorrect assumptions</p>	40 CFR 52.21(b)(1)(iii)(z)
Air	PSD Permitting	<p>The Facility is all but certainly a Major source for CO under PSD requirements. CO emissions as represented in the PEA are at 102 tons, which alone covers the 100 tpy threshold for "named" sources.</p> <p>The document describes "netting" emissions below 100 tons (i.e., the proposed action emission levels minus the no action emission levels) But the language cited by the drafters is specifically for Major Source Modification already subject to PSD. TCEQ and EPA have been clear that netting out existing emissions at minor sources is not allowed.</p> <p>Further, the 100 ton PSD threshold for the 28 named sources requires that all fugitive and non point source emissions, including those from the diesel fired cranes operated on site as well as any moored support vessels be included</p> <p>CO emissions from commonly seen supporting Power plant combustion sources (back up boiler for startup, draft burner etc) are not included as well.</p>	<p>40 CFR 52.21(b)(1)(i)(a)</p> <p>40 CFR 52.21(b)(1)(iii)(z)</p>
Air	Off Site Impact	<p>The PEA incorrectly and without supporting data claims that NAAQS standards would not be exceeded. Because the source is a Major Source under PSD, it is required, by statute to go through off-site impact modeling. This is what determines a NAAQS exceedance, not the off handed presumptions of SpaceX employees. Furthermore, several sources of emissions (condensate and NGL storage and transfer, power plant cooling tower, fugitive dust, mobile equipment) aren't even calculated by the authors' own admission.</p> <p>The PEA drafters state "There are also few members of the public that live in the project area. Boca Chica Village has 10 remaining residences; two homes are occupied full time and the remaining eight homes are seasonal or have been vacant in recent years. Pollutant concentrations would have ample distance to disperse and concentrations at the nearest populated areas (e.g., Brownsville, South Padre Island) would be low. Thus, members of the public would not be exposed to CO concentrations that would exceed the NAAQS."</p> <p>This is plainly false and, further: NAAQS standards aren't based on how many neighbors you might impact based on a random guess. This is a wildly unprofessional and unscientific claim that has no basis in fact or regulation and completely ignores how a NAAQS standard is determined,</p>	40 CFR 52.21(c)
Air	GHG Emissions	<p>The Power plant estimated CO₂e emissions are incorrect by a factor of 100 or more. The PEA authors and reviewers present that annual CO₂ emissions from a 250 MW power plant would be 9,858 tpy. This is plainly absurd and should have been caught during the review process. The expected CO₂ emissions from natural gas combustion at 1500 mmbtu/hr would be ~700,000 tons, meaning this calculation was off by not one, but 2 orders of magnitude</p>	<p>AP-42, Vol. I, 3.1</p> <p>Subpart C of 40 CFR 98</p>
Air	Emission Calc	<p>The Power Plant SO₂ and PM emissions are projected at zero, which is not possible by any industry, regulatory or engineering standard. The default emissions factor for SO₂ emissions from a stationary natural gas fired turbine is 3.4 E-03 lb/mmbtu. The default PM emission factor is 6.6 E-03 lb/mmbtu. Calculated out, assuming 1500 mmbtu/hr, these emissions should be:</p> <p>22 tpy SO₂ 44 tpy PM</p>	<p>40 CFR 52.21(b)(1)(i)(a)</p> <p>TCEQ doc APDG 5881 "Major New Source Review - Applicability Determination"</p> <p>AP-42, Vol. I, 3.1</p>
Air	Emission Calc	<p>The Power Plant Would Require a cooling tower and these emissions are not included in the site wide emissions estimate. Conservatively sizing a water tower for 3000 gpm water flow and using the AP-42 PM emission factor for Induced Draft cooling towers (0.019 lb/10³ gal), there are roughly 15 tpy of PM emissions from this unit, which is not mentioned in the PEA</p>	<p>40 CFR 52.21(b)(1)(i)(a)</p> <p>AP-42, CH 13.4</p>

Air	Emission Calc	<p>The power plant Maintenance, Startup and Shutdown (MSS) emissions, as required by TCEQ for PTE calculations, appear to have been ignored. I do not know the exact operating scenarios that would be assumed here for PTE purposes. but examining other recent TCEQ issued PSD permits (such as PSDTX1582), the NOx emissions during MSS events as represented and required under 30 TAC would likely add between 10-30 tpy of both NOx and CO.</p> <p>By the authors' own admission, neither TCEQ nor EPA were contacted during this process. It is clear that given the other emissions oversights (such as forgetting to calculate PM or SO2 emissions), these emissions need to be re-calculated by an independent and actually competent Air Permitting engineer</p>	<p>TCEQ permit PSDTX1582</p> <p>TCEQ doc APDG 5881 "Major New Source Review - Applicability Determination"</p>
Air	Emission Calc	<p>The power plant ammonia emissions, as would occur using SCR mandated under 30 TAC 117 and BACT are not accounted for - While not a criteria pollutant, it is required to be accounted for under TCEQ and TAC standards. Estimated NH3 emissions from ammonia slip would be easily >100 tons per year. Facility citing would determine if this toxic chemical would be hazardous to wildlife or humans</p>	
Air	Emission Calc	<p>The Gas Plant Emissions do not appear to include flaring MSS emissions as required by TCEQ - Based on industry knowledge as well as representative field "wet" gas mass spec analysis from Texas shale Natural Gas, and a review of recently permitted TCEQ Cryogenic gas plants, H2S emissions (not reported) and SO2 emissions (1 ton) are inadequate. The facility would be expected to have at a minimum of 0.5 tpy H2S and 5 tpy SO2 from flaring events.</p> <p>These events would also likely increase annual CO and NOx emissions by an estimated 10 tons (CO) and 5 tons (NOx) per year</p> <p>Estimates are based on a presumed 50 mmscf/day throughput</p>	<p>30 TAC §106 359</p>
Air	Emission Calc	<p>The Gas Plant SO2 emissions are estimated at 1 ton per year, which is incorrect by a factor of 10 or more-</p> <p>While exact SO2 emissions are impossible to calculate without representative inlet gas mass spectrometry data, assuming a very conservative 0.003% Mol fraction H2S, Annual SO2 emissions would be at a minimum 15 Tons per year. Because the sulfur concentration of gas varies widely by formation, this number could easily be 50 tpy or more.</p>	<p>40 CFR 52.21(b)(1)(i)(a)</p>
Air	Emission Calc	<p>There are no emissions described for LNG (liquid Methane storage and unloading) - While Methane is not a VOC and therefore, not a criteria pollutant, the facility (being PSD major for CO) would be subject to sitewide inventory requirements under the GHG PSD "Tailoring Rule" Requirements. Fugitive losses, loading losses and transfer losses of methane need to be inventoried, per federal GHG MACT rules as well as required under FAA Order 1050.1f.</p> <p>Additionally any combustion control devices required for transfer would generate additional CO and NOx emissions. These emissions do not appear to be represented in the PEA</p>	<p>40 CFR 52.21(b)(1)(i)(a)</p>
Air	Emission Calc	<p>There are no emissions described for Natural Gas Condensate Storage and truck loading, which would be generated as part of Natural Gas Cryo Fractionation- A 50 mmscf gas plant would generate roughly 5 million gallons per year of Natural Gas Heavies/Condensates, presuming a C4+ mass fraction of 4% in the inlet stream (conservative estimate based on Gulf Coast shale formation data) which would require two (2) 500 bbl liquid storage tanks. EPA-TANKS emissions from storage would be ~12 tons VOC per year, assuming industry standard 500 bbl tank size and atmospheric storage.</p> <p>Tank Truck Unloading emissions would be between 1 and 20 tons VOC using AP-42 loading emission factors, which would depend on control scheme used. A combustion source used as control would significantly decrease the VOC emissions, however the NOx and CO emissions would increase</p>	<p>40 CFR 52.21(b)(1)(i)(a)</p>
Air	Emission Calc	<p>There are no emissions described for Y-grade and/or NGL storage and truck loading, which would be generated as part of Natural Gas Cryo Fractionation - Calculation of these emissions is extremely difficult, but very conservatively assuming 80% methane inlet, a 50 mmscf/day gas plant would be expected to generate 105 million pounds of NGL/Y-grade (C2-C5) co products per year. This is usually an incidental, fugitive emission calculation at most Texas Gas plants, as a majority of them send these fractions directly out via a hazardous liquids pipeline.</p> <p>In the case of this facility, either a hazardous liquids pipeline would need to be constructed, or the 100+ million pounds of co-products per year would have to be stored on site and sent out via truck. This would likely require installation of a Horton sphere along with pressurized truck loading. Emissions from this activity would be several tons of VOC per year, and if a combustion device is used for control on storage and or loading, these CO, SO2, PM and NOx emissions would need to be quantified.</p> <p>No such description of any such equipment exists in the PEA and emissions from the "Fuel Pretreatment" facility are clearly not included in the Preparers' assumptions</p>	<p>40 CFR 52.21(b)(1)(i)(a)</p>

Air	Emission Calc	<p>There are no emissions described for Produced Water Storage and truck loading, which would be generated as part of Natural Gas Cryo Fractionation- A 50 mmscfd gas plant would generate roughly 1.5 million gallons per year of produced (oil contaminated) water, based on a conservative estimate based on Gulf Coast shale formation data which would require one (1) 300 bbl liquid storage tank. EPA-TANKS emissions from storage would be between 0.5-1.0 ton VOC per year, assuming industry standard 500 bbl tank size and atmospheric storage.</p> <p>Tank Truck Unloading emissions for this activity would be minimal but still required per FAA Order 1050.f</p>	40 CFR 52.21(b)(1)(i)(a)
Air	Emission Calc	<p>GHG Emissions from Refrigerants are not included in the sitewide inventory as required. The facility describes the cryogenic gas plant as using Liquid Nitrogen from cooling. I cannot speak for every single gas plant but many, if not most, use CFSs for refrigeration which are often mixed with Liquid nitrogen to reduce the Carbon impact in event of a spill. It is unclear if SpaceX intends to use just nitrogen, and if so, if there's an independent engineering basis for this presumption.</p> <p>The GHG impact from this is unclear as many refrigerants have extremely high CO2e factors. It is not clear if this was an oversight, if SpaceX thinks they're going to reinvent the natural gas treatment industry on the fly, or if they actually consulted outside process engineers to develop this proposed process.</p> <p>This needs clarification an/or emissions calculations included</p>	CEQ. 2010b. Guidance on Federal Greenhouse Gas Accounting and Reporting
Air	PSD Permitting	<p>The LNG/LCH4 conversion process might be a "Fuel Conversion Plant," another of the 28 named sources under the PSD rules. EPA needs to be given an opportunity to make this determination. Natural gas fractionation plants, per EPA guidance and precedence are not a "Fuel Conversion Plants." Likewise most LNG conversion facilities have been excluded as "Fuel Conversion Plants." However the Justification used by EPA to make this determination (Jordan Cove Liquefied Natural Gas Facility, 2017 EPA letter) is narrow and might not apply to the SpaceX facility as described.</p> <p>In particular, the Jordan Cove EPA determination stated: "After a closer examination of the EPA's historical approach, our view is that a change in state is a possible characteristic of a fuel conversion plant but not the sole characteristic - i.e., not everything that accomplishes a change in state is a fuel conversion plant. Where a change of state occurs only for transportation needs, the fuel remains natural gas throughout the process, and the process is necessarily reversible. Notably, in the case of an LNG export facility the change of state must be subsequently reversed at another facility before the natural gas is used as a fuel."</p> <p>It is clear that EPA used the exemption for export facilities because the LNG conversion process was being used for transport purposes and the receiving facility would expand the LNG back into natural gas prior to use as a fuel. In the case of the SpaceX facility, the company, in the PEA, explicitly states that this proposed processing facility will convert the natural gas to a liquid (LNG/LCH4) for the express purpose of being used as rocket fuel. Therefore, a (1) change of state is occurring, e.g. gas to liquid and (2) the resulting liquid, not the gas, will be combusted as fuel.</p> <p>I do not presume to predict how EPA would make this determination, but since this appears to be the first facility in the history of the Clean Air Act to have this exact process (on site generation of liquid fuel for use on site), EPA should be given an opportunity to make this determination. As previously noted, neither EPA nor TCEQ were consulted by SpaceX and FAA's own admission. This is clearly unacceptable.</p>	<p>Jordan Cove PSD Determination, EPA Region 10, 9/26/2017</p> <p>40 CFR 52.21(b)(1)(iii)(a)</p>

Air	Emission Calc	<p>Construction Emissions are not quantified, as required per FAA guidance.</p> <p>In the Draft PEA, the preparers state: "While the 2014 EIS does not directly address or include the elements of the current Proposed Action, the scale of the construction activities (in both square footage and duration) is comparable to the construction activities proposed in 2014. SpaceX determined that the construction elements of the Proposed Action would not cause or create a reasonably foreseeable emission increase over the construction elements of the Proposed Action as analyzed in the 2014 EIS."</p> <p>The expected PM (particulate matter) emissions from construction activities in the 2014 EIS were 18 tons in 2016 and 12 tons in 2017. The scope of this project is clearly larger than the initial 2014 proposed construction, as suggested elsewhere. As a frame of reference, the 2020 EIA released by FERC for the Annova LNG facility in Brownville, TX, less than 10 miles from the SpaceX site was similar in size and scope to this proposed construction action. Annova total property was estimated at 550 acres (SpaceX - 700 acres). The facility footprints are similar (300 acres) as well and the operations similar in size and scope. Annova and FERC projected 293 tons of PM in the first year of construction, which is over 15x higher than the number implied in the PEA. (https://www.ferc.gov/sites/default/files/2020-05/FEIS-volume-1.pdf).</p> <p>The implication that these activities would be in any way similar to the minimal construction is absurd on its face and by SpaceX's own admission, they are still scoping specifics. It is unclear if this assumption is based on an engineering evaluation of dust generation or if these numbers were selected as a matter of convenience for SpaceX to claim minimal environmental impact from construction. SpaceX and the FAA must clarify and quantify these emissions as well as assumptions regarding CO and NOx emissions from construction equipment and vehicles.</p>	1050.1F Desk Reference Air Manual 1.1.3, 1.3.2
Air	Emission Calc	<p>Operating emissions from Non-road vehicles, ships, barges, tugboats and equipment is not calculated as required. The FAA Desk Reference Guide for order 1050.1F clearly requires all indirect emissions to be calculated, as they are required in order to accurately determine de minimus impacts. As an example, SpaceX operates several diesel fired cranes with power plants as large as 750 kW. Hourly emissions from such a unit are 3 lb/hr CO and 5 lb/hr NOx (EPA Tier 4 standards). Year round operation of just this large crane would lead to 25 tons of NOx and 13 tons CO. There are 5 or more cranes of sizes 750-300 kW, in addition to other non-highway support vehicles and equipment. An accurate accounting of PTE for these combined sources is critical for not only FAA order 1050.1F, but are explicitly required for significance screening and modeling for sources of emissions that are one of the "28 named" sources under PSD.</p> <p>As covered elsewhere, 250 mmbtu/hr fossil fuel fired steam power plants are a "Named" source, so not only are these sitewide emissions required for NEPA impact purposes, they are required by statute in 40 CFR 52.</p> <p>Additionally, SpaceX uses Tugboats, barges and has recently purchased two oil rigs to handle sea operations. TCEQ guidance clearly indicates that emissions from any such vessel or boat emission while at shore supporting plant operations must be accounted for in sitewide emissions inventories for permitting and PSD purposes.</p> <p>A full and complete accounting of these emissions needs to be completed.</p>	<p>1050.1F Desk Reference Air Manual 1.1.3</p> <p>40 CFR 52.21(b)(1)(iii)(z)</p> <p>TCEQ doc APDG 5881 "Major New Source Review - Applicability Determination" https://www.tceq.texas.gov/assets/public/permitting/air/Guidance/NewSourceReview/fnsr_app_determ.pdf</p>
Air	Off Site Impact	<p>Emissions from associated Oil Field operations are not included in the impact assessment. FAA 1050.1F requires all supporting and indirect emissions to be quantified as part of the NEPA process (PEA and EIA).</p> <p>SpaceX has not identified where they intend to source natural gas for the "pretreatment system" or 250 MW power plant. Such an operation would require roughly 50 mmscf/day of inlet gas. Per Texas railroad commission (TRRC) data, only 8.1 million MSCF (million standard cubic ft) of gas was produced from 2000-2020 in all of Cameron county. The proposed gas plant, if sized at 50 mmscf, would consume that much inlet gas (20 years worth) in 5 months.</p> <p>Not only would this activity require significant drilling and well production in an area of Texas that is not currently a significant producer of fossil fuels, but the activity would generate roughly 35,000 barrels of condensate (light oil) liquids at the various wellheads, assuming a historical Gas to Oil (GOR) ratio of 530 MSCF/bbl. Flashing emissions from this activity alone would be 250 tons of VOC per year, using formation and county API emission factors. This is in addition to the PM, CO and NOx emissions expected from wellhead flares.</p> <p>SpaceX needs to disclose the projected source of inlet gas and estimate the environmental impact such incremental oil and gas production would make, including Air emissions</p>	<p>1050.1F Desk Reference Air Manual 1.1.3</p> <p>TRRC Production Database</p> <p>API emission factors: Texas (2016)</p>

Water	Water Usage	<p>The water usage from the cooling tower for the power plant was not discussed or analyzed.</p> <p>Using DOE estimates of 200 gallons of water/MWhr using a cooling tower, the plant would consume up to 438 million gallons per year (MGY). The PEA represented only 5.8 million gallons total annual water use, and stated that ground water consumption would increase by 660,000 GPY. This is false</p> <p>438 MGY represents 5.8% of Brownsville's stated 20.8 MGD consumption</p>	1050.1F Desk Reference Chapter 14.4.3, 14.1.3.1
Water	Water Usage	<p>Sourcing of the water for the cooling tower was not discussed.</p> <p>The SpaceX facility does not have a utility water connection to any municipal water providers. A cooling tower of ~3000 gpm flow rate would consume, via evaporation, of up to 900 gallons (7200 pounds) of water per hour. Because the PEA does not discuss this, sourcing this water would require either:</p> <ul style="list-style-type: none"> -A water pipeline to a utility -A large aquifer permit, or -Trucks to bring in water <p>Any of these activities would create clear and accurate assessment of the environmental impact. A pipeline or well water permit for obvious reasons. Water trucks typically hold less than 6000 gallons of water. The traffic considerations of 4 water trucks per hour throughout the year is a clear environmental impact that needs to be determined.</p>	1050.1F Desk Reference Chapter 14.4.3, 14.1.3.1
Water	SPCC	<p>The facility would be required to develop a comprehensive Spill Pollution Prevention and Countermeasures (SPCC) plan:</p> <p>The natural gas treatment plant alone would annually generate a minimum of 5.9 million gallons of slop oil or condensate heavies to go along with 1.2 million gallons of oil contaminated produced water. SPCC requirements kick in at 1,320 gallons of oil storage capacity. At a minimum, SpaceX would need at a minimum of one 300 bbl (12,600 gallon) produced water tanks and three (3) 400 bbl (16,800 gallon) slop oil tanks. This would require, under SPCC rules developing plans, signed off on by a PE, for adequate secondary containment, an analysis of worst case spill impacts, engineering, maintenance and inspection requirements.</p> <p>This is quite clearly a significant potential environmental impact, as the facility is located directly adjacent to several "Waters of the United States."</p>	1050.1F Desk Reference Chapter 14.4.3, 14.1.3.1 14 3.4
Water	SPCC	<p>SPCC containment location and specifications are not discussed- Because of the very sensitive nature of the ecosystem surrounding SpaceX's facility, a storage and loading operation of this size must be scoped in depth. The siting of the containment area itself is a critical task, and materials of construction (such as concrete vs earthen berms) for the containment and engineering considerations must be evaluated. There is no discussion of the hydrological considerations from this sort of activity, eg fate and transport throughout surface or groundwater of any spills or leaks is entirely absent from the PEA.</p>	1050.1F Desk Reference Chapter 14.4.3, 14.1.3.1 14 3.4
Water	SPCC	<p>Hurricane and Flooding considerations are not discussed- Coastal Texas is prone to seasonal flooding from rivers and connected watersheds. Additionally, hurricane impacts, while rare, can create storm surges and rain flooding events. SPCC plans require special considerations for such natural events and a 110% of capacity for oil storage rules of thumb would clearly be inadequate given the surrounding ecosystem.</p> <p>In addition to the oil storage, impacts from hurricanes and flooding for power generation and oil and gas processing operations require special consideration. Impacts from such weather events are not discussed in regarding operational activities in the PEA. This is clearly an oversight, and environmental impacts from these expected events must be discussed in detail.</p>	1050.1F Desk Reference Chapter 14.4.3, 14.1.3.1 14 3.4
Water	SPCC	<p>Truck Unloading operations for wastewater and hydrocarbon storage is not discussed - The generation of 7 million gallons annually of oil slop and produced water (as discussed in item W.3) would require a busy tanker truck operation. In addition to these other co-product streams, over 100 million pounds of year would be expected to be generated of NGLs and Y-grade hydrocarbons. Because the process description in the PEA is essentially undocumented, it is unclear how many of these NGLs and Y-grades would be in liquid or gaseous phases.</p> <p>As discussed in items A.12, A.13 and A.14, the facility has no access to a pipeline to remove these co-product and waste streams. So they would be required to be removed from the facility via tanker truck. The loading operations would entail an estimated 2000 (at minimum) truck loads out of the facility annually, assuming each tanker is at DOT weight limit of 80,000 pounds. This operation is not discussed and neither is the piping, equipment and associated unloading operations required to complete this task. These activities would be subject to SPCC requirements as well. A thorough analysis of this activity is clearly required per FAA's own NEPA criteria.</p>	1050.1F Desk Reference Chapter 14.4.3, 14.1.3.1 14 3.4

Water	Pollutants	Cooling Tower Water Treatment additives are not discussed. Water towers require the use of sanitizers, oxidizers, softening agents and pH adjusters (acids/bases) to maintain water within operational specifications. These agents, which include salts, hazardous oxidizers, strong acids and antimicrobial agents must be stored on site and continually added to the cooling tower outlet. These agents clearly provide a risk to surrounding water quality and ecosystems. No discussion of the storage or handling of such water treatment chemicals, nor the equipment to be used to add them to process water streams is discussed. This is clearly in scope of NEPA required review.	1050.1F Desk Reference Chapter 14.2.4 TPDES General Permit No. TXR050000
Water	Discharges	Management of process heat from superheated water for power generation is not discussed.- Process heat via the steam exiting the power plant is a potential pollutant under the Clean Water Act. Presumably this would be managed primarily using the cooling tower, however the PEA indicates a small amount of process steam would be used to evaporate saltwater brine extracted from water wells. Management of this heat stream is not discussed in detail and the PEA must discuss how this process won't be used to treat groundwater injection wells as a de facto heat sink, which would be a clear violation of the Safe Drinking Water and/or Clean Water acts.	1050.1F Desk Reference Chapter 14.2.4 TPDES General Permit No. TXR050000
Water	Permitting	The facility would be subject to NPDES permitting, which is not adequately disclosed in the PEA- At a minimum, the facility would be subject to a Multi Sector General Stormwater Permit (MSGP) under TCEQ and Clean Water Act rules (permit TXR050000). There is minimal to no discussion of which standards under this permit the facility would be subject to, including which pollutants would require monitoring and which additional discharge criteria would apply to such an operation.	1050.1F Desk Reference Chapter 14.2.4 TPDES General Permit No. TXR050000
Water	Permitting	Stormwater and other outfall locations are not Disclosed- Because of the size and scope of the facility as well as the proximity to sensitive ecosystems, an in-depth review of the projected outfall locations, expected annual flow rates and an analysis of the hydrology by specialists must be discussed. These facts would be required to file for a TCEQ Multi Sector General Stormwater Permit (MSGP), and are clearly within the scope of a NEPA compliant environmental review.	1050.1F Desk Reference Chapter 14.2.4 TPDES General Permit No. TXR050000
Hazardous Materials	Storage	There is no disclosure of required ammonia storage and handling operations. The power plant would require the addition of ammonia via a slip into the emissions stack. 30 TAC 117 and BACT for natural gas turbines of this size requires the usage of SCR as an emissions control, which involves the use of liquid or aqueous ammonia. The storage, unloading and handling of this material is not discussed once in the PEA. 19% ammonia (which is the typical concentration used for this activity) is classified as a Category 4 GHS hazard for inhalation and skin exposure. In addition, the ecological impacts indicate the LD-50 of 19% aqua ammonia for a model fish species (Lepomis macrochirus) to be as low as 0.26 mg/L. Thousands of pounds of this material must be stored on site for NOx control and there is zero discussion on the potential impacts of such operation.	30 TAC 117 TCEQ BACT - NOx for large stationary turbines
Hazardous Materials	Dispersion	Ammonia waste out of the power plant stack is not discussed. While Ammonia (NH3) is not a criteria pollutant under the Clean Air Act, TCEQ and emission factors from the RACT/BACT/LAER clearinghouse indicate that a 250 MW gas power plant would emit well over 100 tons per year of ammonia into the air. Because this is not a volatile hydrocarbon and instead is a water soluble compound, ammonia in precipitated droplets should be expected to be dispersed to ground in close proximity to the facility. Design criteria for the turbine emissions stack must consider the ecological impacts of such an activity. Ammonia does get metabolized by microbial activity and as such is not a bioaccumulation concern, but acute exposures to low concentrations of ammonia can cause harm to fish and avian species.	FAA Order 1050.1F 5-2(b)
Hazardous Materials	Radioactivity	There is no discussion of Naturally Occurring Radioactive Materials (NORM) that are generated by E&P and midstream processing operations. The quantity and concentration of NORM present in oil and gas operations is very formation specific, however it has been highlighted by TCEQ as an item of concern. Because of the low oil and gas production activity in Cameron county, it is unclear how much NORM would be expected to be generated by the E&P or gas processing operations associated with this project. At a minimum, SpaceX and FAA must evaluate this activity and provide information regarding the expected impacts as NORM is radioactive and clearly of environmental concern.	30 TAC 336.1
Hazardous Materials	Radioactivity	Regulatory Standards for NORM handling and disposal are not discussed- As mentioned in item H 3, Naturally Occurring Radioactive Materials (NORM) generation should be anticipated as a consequence of extracting and processing natural gas and associated liquids. No discussions of which co-product and waste stream may contain radioactive material is discussed. Items that are likely to contain NORM include NGL fractions, Oil Slop, Produced water, Oil condensate as well as Deethanizer column scaling and tank bottoms waste for materials potentially containing NORM. Handling of this material is subject to State and Federal standards and no indication is given for how such materials are to be categorized, managed and disposed of.	30 TAC 336.1
Hazardous Materials	RCRA	Tank Bottom and process vessel sludge would be a Hazardous waste under RCRA; these items are not discussed - Gas Plants and associated equipment, especially those that handle and store liquid fractions periodically generate sludge, scaling and other solids wastes that are subject to RCRA management and disposal requirements. A discussion of the quantities of, management of, and equipment required for handling these wastes is clearly in scope per NEPA generally, as well as FAA requirements specifically. No such discussion on midstream related waste streams is discussed on the PEA and is a clear deficiency.	40 CFR 261.3

Hazardous Materials	Storage	<p>There is no disclosure of required methanol storage and handling operations. Cryogenic gas plants, such as the one described in the PEA require the process usage and consumption of methanol. Methanol is a GHS/HMIS Class 3 Hazard for flammability, and a Class 3 Hazard for acute toxicity. The 96 hr LC50 for fish species <i>Oncorhynchus mykiss</i> is 18-20 ml/L and is highly motile in soil in its liquid form.</p> <p>Methanol is additionally a U-listed hazardous waste under RCRA (U154). Discussion of the usage, storage, handling and risk mitigation of methanol and methanol wastes is not discussed in the PEA. These impacts are clearly relevant to environmental impact analysis under NEPA</p>	40 CFR 261.3
Hazardous Materials	RCRA	<p>Hazardous waste generation, storage, disposal and handling are not discussed. The facility as described would be at minimum a periodic Large Quantity Generator (LQG) of Hazardous wastes, especially following gas plant turnarounds. LQGs are subject to increased inspection, storage and recordkeeping requirements under RCRA. The location of Hazardous waste storage is not discussed. Nor is a description of the methods of containment discussed. Additionally, the expected RCRA waste streams from the facility as described need to be characterized and expected volumes must be estimated. This is clearly a relevant environmental impact that needs to be included per NEPA and FAA's own guidance</p>	40 CFR 261.3
Industrial Hygiene	Sound	<p>Environmental sound Impacts related to power plant operations are not discussed- A review of other sound surveys for similarly sized combined cycle turbine power plants indicates that sound levels of 100+ dB can be expected for normal steady state operations. Blowdowns and steam releases from the power plant would be expected periodically as well, and a literature review indicates that this activity can generate 150+ dB events that last 30-60 minutes. This is a clear deficiency, as the PEA goes into exhaustive detail about periodic rocket launches but fails to discuss noise impacts from power generation activities. FAA's own guidance on sound impacts is clear that such operational sounds must be analyzed.</p>	1050.1F Desk Reference Chapter 11.2
Industrial Hygiene	Sound	<p>Environmental sound Impacts related to gas plant and LNG operations are not discussed- Similarly to item S.1, natural gas processing plants generate steady state and periodic environmental noise. This is from compressor operation as well as periodic blowdown events to the process flare. It is hard to know exactly what noise levels can be expected without knowing more details about flare sizing, detailed process streams or an inventory of compression equipment horsepower and class (e.g. number of compression stages, electric or natural gas compressors, etc)</p> <p>This is a clear deficiency as outlined in item S.1. These impacts must be characterized, modeled and revealed to the public.</p>	1050.1F Desk Reference Chapter 11.2
Process Safety	RMP	<p>The Facility would be subject to the PSM/RMP process safety requirements. A 200 ft tall Deethanizer column doing cryogenic fractionation of gas would contain well in excess of 10,000 pounds of flammable gasses in the covered process and would likely go above the RQ for several RMP subject chemicals. As such, the process safety, siting requirements, to go along with things like risk assessment, local emergency response and worst case scenario modeling for flaring events and potential explosions and catastrophic release, must be analyzed.</p>	40 CFR 68.10(a)

From: Glenn Johnson <[REDACTED]>
Sent: Saturday, October 30, 2021 6:21 AM
To: SpaceXBocaChica
Subject: Programmatic Environmental Assessment (PEA) for the SpaceX Starship/Super Heavy Launch Vehicle Program

To whom it may concern,

I am writing to express my support for the Programmatic Environmental Assessment (PEA) for the SpaceX Starship/Super Heavy Launch Vehicle Program at SpaceX Boca Chica launch site. These are my opinions alone.

Having worked at Cape Canaveral Air Force Station \ Kennedy Space Center years ago I have seen how rocket launches and the environment can work coexist. There are endangered and threatened species that are living and being protected in the area. There are manatees, Florida panthers, bald eagles, sea turtles, deer, etc. Including numerous birds like the Florida scrub jay, great blue heron, wood stork, etc. This is all accomplished by the companies, government agencies, and environmental organization working together to protect the environment.

Another example of this are the launch facilities in Alaska and Virginia.

The FAA, SpaceX and other organizations can do the same at Boca Chica launch site. In addition, last year SpaceX assisted in the effort to rescue sea turtles during the extreme cold weather in Texas. This proves that SpaceX does care about the environment. There are also YouTube streamers like LabPadre the are streaming 24 x 7 to capture what is being developed at the launch complex.

SpaceX is also active in the community by donating money to the schools and the county overall. They have tours for the schools to see the build site, launch complex and rockets closeup. Thus, inspiring the next generation to look forward to space travel.

Finally, since I can remember I have looked to the stars and wondered about space travel. Over the years I have watched Mercury, Gemini, Apollo, moon landing, shuttle program, ISS and now NASA launching astronauts from US soil again. SpaceX and NASA are preparing for the next big step. Returning to the moon to establish permanent colonies. To accomplish this the Boca Chica complex needs to be completed. By approving the PEA this will happen.

This is the future for space being developed here. If it is delayed or stopped then the entire US space efforts could be impacted.

I want to thank you for the opportunity to send in my input.

Glenn Johnson

From: Cascades Grown <[REDACTED]>
Sent: Saturday, October 30, 2021 2:23 PM
To: SpaceXBocaChica
Subject: Public Comment - Please Read!

I reside in SW Washington State and am a frequent visitor to the Pacific beaches of Washington and northern Oregon. As in Texas, we are allowed to drive vehicles on many miles of our ocean beaches. However, we are not allowed to drive on the beaches of a wildlife refuge, in order to protect resting wildlife and nesting seabirds. On Washington beaches where the public is allowed to drive, we have many birds killed by speeding cars. Public education teaches us the importance of protecting the dunes, not only for wildlife habitat, but from damaging inland erosion. So except for the expansive southern Oregon Dunes, no driving is allowed on the dunes themselves, which brings me to the beaches of Boca Chica, TX.

Satellite images and aerial video of the Boca Chica beach shows heavy scarring of the dunes from a history of frequent wheeled traffic and activities from the public. If the concern is for wildlife, then the Boca Chica beach should be closed to public vehicular access. History shows that a similar situation existed on the Florida coast prior to the establishment of the space facilities. Removing public access to that section of coastline restored their local wildlife habitat and population. Therefore, I believe the presence of SpaceX activities would actually be more beneficial to wildlife and their habitat and that we would see a similar improvement to that seen on the Florida space coast area.

Thank you for considering this comment.

From: Jana Schmidt <[REDACTED]>
Sent: Saturday, October 30, 2021 3:15 PM
To: SpaceXBocaChica
Subject: public comment

Ladies and Gentlemen of the FAA Environmental Assessment Team,

Thank you for your time and attention to the SpaceX Starship Super Heavy permit/ licensure process. My name is Jana Schmidt and I would like to use this letter to speak with you about **opportunities** for young people. I am a life-long Texan, and a certified public school educator. For over ten years, my charge was to teach high school STEM courses in engineering design, with the goal to prepare our next generation of young people to thrive in this technologically evolving world.

In fact, many of my fellow teaching colleagues are from the nationally recognized Science Academy of South Texas, just up the road from Boca Chica, in Mercedes. I recall stories from a few of those teachers about students who would take hour-long school bus commutes, traveling daily to and from surrounding counties in order to attend the magnet school. Why would these students make such sacrifices? Simply put, both the students and parents understood the **opportunities** that would emerge from participating in this exemplary STEM program.

As part of helping young people understand the engineering design process, we often spent considerable time discussing the concept of something called a **trade-off**. While I'm sure many of you see the parallels here, I'll explain that a **trade-off** is a strategic choice that is made with full comprehension of the advantages and disadvantages of the solution. Aptly, as you look at the feasibility of this Draft PEA, including the **trade-offs** involved in this complex issue, I urge you to please give weight to the many advantages for the young boys and girls of Texas and the Rio Grande Valley...for the expansion of their **opportunities**, brought forth by the presence of a Starship manufacturing and testing facility...NOT an hour long bus ride away...but local, tangible and accessible.

Oftentimes, my classroom instructional style was to introduce a design problem, help students understand the problem, and then...quite frankly,to get out of their way. It was incredibly rewarding to watch these young minds work collaboratively, balance **trade-offs**, and ultimately, find a winning solution.

I support the presence of the SpaceX Starship Super Heavy Project in Boca Chica, Texas and I respectfully request that, by way of FAA permit/license, we grant our youth **full** access to this **opportunity** to participate in the future. Having first-hand experience with preparing this young generation, I can say without doubt, they understand the problems of the future with great clarity. So now it's time to get out of their way...and to let them go to work designing and building rapid reusable rockets and ultimately, to take an active role in the global effort

to make humans a multi-planetary species. This, after all, is what our young STEM workforce has trained to do.

Sincerely,
Jana Schmidt

From: Mark Lehmann <[REDACTED]>
Sent: Saturday, October 30, 2021 1:08 PM
To: SpaceXBocaChica
Subject: Public hearing comments for SpaceX environmental assessment

Please include this email as part of the public hearing documentation of record.

To FAA Personnel

To Whom it May Concern:

SpaceX Operations located at Boca Chica Beach, Texas needs a full Environmental Impact Statement of ALL it's operations and facilities.

It is too large for the current site and its future operations without it negatively impacting national, state, and local safety. I am not only referring to human safety but the safety of the wildlife in the area and the possible destruction of Boca Chica State Park and Boca Chica Lower Rio Grande Valley National Wildlife Refuge.

Just a few miles away, the future new South Padre Island Causeway is under further Environmental Reviews that have been continuing for years. This project is considered one of the most environmentally sensitive construction projects in the United States. How could the expansion of SpaceX be any different?

This is a large construction site in a very sensitive and unstable area. SpaceX has constructed and will be constructing more manufacturing and fabrication facilities. The facilities will be producing many types of hazardous wastes. They are operating large cranes, trucks, and other vehicles that require lubricating oils, greases, diesel fuel and gasoline, and anti-freeze, All this hazardous waste must be stored, handled, and disposed of.

The manufacturing and fabrication facilities will produce large quantities of lubricating oils, chemical cleaning agents, welding gases, and contaminated water. One large tropical storm or hurricane could pollute the Brownsville Ship Channel, South Bay in the Lower Laguna Madre, the Gulf of Mexico at Boca Chica, and the Lower Rio Grande River. This would and will be devastating to the surrounding ecosystem.

Future plans are reported to include a natural gas power plant, a liquified natural gas plant, a desalination plant, natural gas wells, a natural gas pipeline, and concrete parking lots that will cover sensitive wetlands. Any one of these in another location, would require a full Environmental Impact Statement. The LNG project in the Brownsville area was required to complete a full EIS. If these projects were required to complete a full study, why should SpaceX be allowed to proceed without any other reviews, studies, or permits?

I am thrilled with the concept of SpaceX and space exploration. But the site that SpaceX chose simply is not big enough and is too environmentally sensitive for this project to be allowed to expand and/or continue.

Mark Lehmann, Retired Licensed General Contractor and
Villas HOA president at the South Padre Island Golf Course

[REDACTED]

[REDACTED]

[REDACTED]

From: Devon [REDACTED]
Sent: Saturday, October 30, 2021 9:37 AM
To: SpaceXBocaChica
Subject: public response: incomplete assessment of visitor impact on wildlife refuge
Attachments: Public response regarding visitor impact.pdf

Hello,

Please find my public response regarding the draft environmental assessment attached. I'll also mail a physical copy, but am emailing it as well to make sure to meet the deadline.

I've signed the letter "A concerned fan" to hopefully avoid my name becoming part of the public record.

thank you,
[REDACTED]

Subject: Incomplete assessment of visitor impact on wildlife refuge
Date: October 30, 2021

To whom it may concern:

The impact on the wildlife refuge of increased numbers of visitors does not seem to be fully assessed in the Draft Programmatic Environmental Assessment for the SpaceX launch program in Boca Chica from September 2021.

There is an enormous community of people – myself included – who are watching SpaceX perform incredible feats of engineering with awe and excitement. The real-time stream of information ranges from impressively professional video broadcasts, still photography, infographics, and 3D renders to the casual banter of hundreds of thousands of fans on Reddit, spaceflight forums, Twitter, Discord, and YouTube comments.

A thriving microeconomy has built up around the thirst for information and news related to the Starship program. Bloggers, YouTubers, and other creators are often able to fund their work through the financial support of other community members. These creators are for the most part highly aware and respectful of the delicate balance between dangerous, heavy machinery on one side of a narrow road and fragile natural ecosystem on the other. Some of the creators are in fact hold-out residents of Boca Chica village and had lived there long before SpaceX arrived.

What is concerning and not fully addressed in the environmental assessment is that publicity from SpaceX and the fan community will draw large additional numbers of visitors, many of whom might not be aware of or particularly care about the fact that the facility is surrounded by a delicate and rare environmental ecosystem. Many of these visitors might not be familiar with environmental refuge concepts like “leave no trace”, and might not understand the importance of things like staying on marked paths, not harassing the wildlife, and picking up litter. Worse, visitors may be actively incentivized to ignore these practices in order to gain attention and money on social media and related platforms.

Furthermore, it appears that SpaceX is even planning to encourage tourists. Fan support is hugely important for the company because this translates into public support, and turning Boca Chica into a Starbase with restaurants, bars, and hotels would be a great way to

engage the space-loving public. These plans are well-documented, but don't have a single mention in the environmental assessment.

These adverse effects are acknowledged to in section 3.7.4 as they pertain to cultural resources:

Starship/Super Heavy launch operations could attract visitors to the area between launch campaigns, which could adversely affect the NHL, Sheridan's Railroad Bridge, and the Palmetto Pilings Historic Marker. The increase in visitors to the area could potentially lead to increased foot traffic and off-road use of these resources. The increase in traffic and use could potentially affect the integrity of these sites through physical damage and the removal of associated artifacts and features. Thus, the FAA determined that the potential increased numbers of visitors and traffic in the area would result in *adverse effects* to these historic properties.

However this assessment is speculatively contradicted in section 3.8.3.4:

All visitors would be subject to the same rules and regulations concerning entry and use of the park, recreation area, or refuge. Moreover, increased visitation before, during, or after a launch event could result in beneficial impacts from additional revenues from entry fees (if applicable) and furthering the mission of the parks, recreational areas, and wildlife refuges to enrich the lives of citizens through outdoor recreational opportunities and natural and cultural heritage education programs.

The impact of additional visitors does not appear to be acknowledged at all in assessing impact on biological resources (3.10) and coastal resources (3.11).

SpaceX is doing incredibly exciting work, fully out in the open, and this is inspirational and captivating for many people like myself. However, they have chosen a highly unfortunate place to do that work. Some people believe it's important that humans must become interplanetary to ensure our long-term survival as a species. Meanwhile, human activities over the last few hundred years have directly or indirectly caused the extinction of enumerable other species. There can be no justification for further endangering other species so that ours can get to Mars. This is not a zero-sum choice: we should save our own planet, and also get to the next one.

best regards,
A concerned fan

From: Almaquer Juan ([REDACTED]) Sent You a Personal Message
<[REDACTED]>
Sent: Saturday, October 30, 2021 10:43 AM
To: SpaceXBocaChica
Subject: Re: Draft Programmatic Environmental Assessment for the SpaceX Starship/Super Heavy Launch Vehicle Program

Dear Federal Aviation Administration,

I am fully against SpaceX expansion. Brownsville has always had rich coastal life. We should not allow anything to endanger our natural wild life and resources.

I am writing in opposition to SpaceX's proposed Starship/Super Heavy Launch Vehicle expansion project on Boca Chica Beach.

The SpaceX expansion project would be incredibly detrimental not only to the wildlife habitat and wetland ecosystems around it, but to the nearby communities of Brownsville, South Padre Island, and Port Isabel as well.

This project will require a massive scale of new industrialization that includes a rocket launch pad, gas power plants, desalination plant, gas drilling, and more near residential communities, between wildlife refuges, and at a public beach. Not to mention, the explosive rocket launch operations are less than six miles away from two highly flammable proposed liquefied natural gas (LNG) and a pre-existing gas pipeline.

An accident on the scale of a Starship/SuperHeavy launch vehicle would be a devastating catastrophe for the Laguna Atascosa Wildlife refuge, the Lower Rio Grande Valley Wildlife refuge as well as for nearby communities of color and endangered species like the ocelot and aplomado falcon.

At the very least, the FAA should conduct a comprehensive Environmental Impact Statement because of the size and scale of SpaceX's new launching operations. This Environmental Assessment is extremely inadequate, because it only evaluates an "initial mission profile," and does not address:

1. The FAA's claims that SpaceX's mission is to launch larger rockets in pursuit of National Space Policy goals, which were updated by Trump in 2020. These policy goals should be evaluated by the new Biden Administration, and actually reflect whether space exploration is in the interest of the public rather than private corporations seeking to profit.
2. The already damaged land and wildlife that SpaceX has already caused, in addition to the new plans that will permanently destroy acres wetlands and floodplains,
3. SpaceX's rocket launching schedule results in beach closures that would further strip away people of color's rights to fish and recreate at Boca Chica Beach by up to 800 hours per year, about an entire month.
4. Elon Musk, using his social media platforms to attract outsiders to displace a historically marginalized community. Already, longtime residents are being forced away from their beach and homes, and it doesn't help when outsiders, attracted by Elon Musk and his social media presence, displace residents by moving here or soliciting comments and opinions from people who've never even been to the region.
5. SpaceX has never consulted with the Carrizo/Comecrudo Tribe of Texas, who have ancestral ties to the region, about operations. Under the United Nation's Free, Prior, and Informed Consent, SpaceX should not be authorized without consultation and consent of the Tribe.

Additionally, the FAA should have to redo its regulatory process to accommodate the Spanish-speaking population because the public hearings and materials are not translated.

About 80% of the Rio Grande Valley community, which is directly impacted by SpaceX, speaks primarily Spanish at home. The FAA should not allow SpaceX to continue to expand to launch the Starship/Super Heavy project at Boca Chica Beach because the potential for further wildlife and land damage along with the potential explosions it could cause is just not safe for the residents of the area and is not safe for the environment.

Sincerely,

Almaguer Juan

[REDACTED]

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Lillian Miller at Sierra Club at [REDACTED] or [REDACTED]

From: Teresa Saldivar ([REDACTED]) Sent You a Personal Message
< [REDACTED] >
Sent: Saturday, October 30, 2021 12:05 PM
To: SpaceXBocaChica
Subject: Re: Draft Programmatic Environmental Assessment for the SpaceX Starship/Super Heavy Launch Vehicle Program

Dear Federal Aviation Administration,

Elon Musk's illegal colonization of our public beach and county land is beyond disturbing it's completely offensive. Elon lied to our community. Elon Musk demanded all residents vacate from Boca Chica Village due to safety concerns. It was all a lie. He wanted that neighborhood for his own selfishness. He now wants to establish his own city in that same unsafe location. That is the epitome of Colonization. His actions stink of a racist arrogant colonist mentality. Such a person must not be rewarded for scheming to steal land belonging to a minority community on pretense he is helping the community, when it's totally self serving. Boca Chica Beach belongs to the citizens. Don't help Elon Musk aka SpaceX destroy our public beach. Please do not allow Elon Musk to avoid standard regulatory protocols. Require Elon to perform and pay for the EIS.

I am writing in opposition to SpaceX's proposed Starship/Super Heavy Launch Vehicle expansion project on Boca Chica Beach.

The SpaceX expansion project would be incredibly detrimental not only to the wildlife habitat and wetland ecosystems around it, but to the nearby communities of Brownsville, South Padre Island, and Port Isabel as well.

This project will require a massive scale of new industrialization that includes a rocket launch pad, gas power plants, desalination plant, gas drilling, and more near residential communities, between wildlife refuges, and at a public beach. Not to mention, the explosive rocket launch operations are less than six miles away from two highly flammable proposed liquefied natural gas (LNG) and a pre-existing gas pipeline.

An accident on the scale of a Starship/SuperHeavy launch vehicle would be a devastating catastrophe for the Laguna Atascosa Wildlife refuge, the Lower Rio Grande Valley Wildlife refuge as well as for nearby communities of color and endangered species like the ocelot and aplomado falcon.

At the very least, the FAA should conduct a comprehensive Environmental Impact Statement because of the size and scale of SpaceX's new launching operations. This Environmental Assessment is extremely inadequate, because it only evaluates an "initial mission profile," and does not address:

1. The FAA's claims that SpaceX's mission is to launch larger rockets in pursuit of National Space Policy goals, which were updated by Trump in 2020. These policy goals should be evaluated by the new Biden Administration, and actually reflect whether space exploration is in the interest of the public rather than private corporations seeking to profit.
2. The already damaged land and wildlife that SpaceX has already caused, in addition to the new plans that will permanently destroy acres wetlands and floodplains,
3. SpaceX's rocket launching schedule results in beach closures that would further strip away people of color's rights to fish and recreate at Boca Chica Beach by up to 800 hours per year, about an entire month.
4. Elon Musk, using his social media platforms to attract outsiders to displace a historically marginalized community. Already, longtime residents are being forced away from their beach and homes, and it doesn't help when outsiders, attracted by Elon Musk and his social media presence, displace residents by moving here or soliciting comments and opinions from people who've never even been to the region.

5. SpaceX has never consulted with the Carrizo/Comecrudo Tribe of Texas, who have ancestral ties to the region, about operations. Under the United Nation's Free, Prior, and Informed Consent, SpaceX should not be authorized without consultation and consent of the Tribe.

Additionally, the FAA should have to redo its regulatory process to accommodate the Spanish-speaking population because the public hearings and materials are not translated.

About 80% of the Rio Grande Valley community, which is directly impacted by SpaceX, speaks primarily Spanish at home. The FAA should not allow SpaceX to continue to expand to launch the Starship/Super Heavy project at Boca Chica Beach because the potential for further wildlife and land damage along with the potential explosions it could cause is just not safe for the residents of the area and is not safe for the environment.

Sincerely,

Teresa Saldivar

[REDACTED]

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Lillian Miller at Sierra Club at [REDACTED] or [REDACTED]

From: Alexa Fay [REDACTED] Sent You a Personal Message <[REDACTED]>
Sent: Saturday, October 30, 2021 6:23 PM
To: SpaceXBocaChica
Subject: Re: Draft Programmatic Environmental Assessment for the SpaceX Starship/Super Heavy Launch Vehicle Program

Dear Federal Aviation Administration,

I am writing in opposition to SpaceX's proposed Starship/Super Heavy Launch Vehicle expansion project on Boca Chica Beach.

The SpaceX expansion project would be incredibly detrimental not only to the wildlife habitat and wetland ecosystems around it, but to the nearby communities of Brownsville, South Padre Island, and Port Isabel as well.

This project will require a massive scale of new industrialization that includes a rocket launch pad, gas power plants, desalination plant, gas drilling, and more near residential communities, between wildlife refuges, and at a public beach. Not to mention, the explosive rocket launch operations are less than six miles away from two highly flammable proposed liquefied natural gas (LNG) and a pre-existing gas pipeline.

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Additionally, the FAA should have to redo its regulatory process to accommodate the Spanish-speaking population because the public hearings and materials are not translated.

About 80% of the Rio Grande Valley community, which is directly impacted by SpaceX, speaks primarily Spanish at home. The FAA should not allow SpaceX to continue to expand to launch the Starship/Super Heavy project at Boca Chica Beach because the potential for further wildlife and land damage along with the potential explosions it could cause is just not safe for the residents of the area and is not safe for the environment.

Sincerely,

Alexa Fay



This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Lillian Miller at Sierra Club at [REDACTED] or [REDACTED]

From: Garcia Erica [REDACTED] Sent You a Personal Message
<[REDACTED]>
Sent: Saturday, October 30, 2021 8:28 PM
To: SpaceXBocaChica
Subject: Re: Draft Programmatic Environmental Assessment for the SpaceX Starship/Super Heavy Launch Vehicle Program

Dear Federal Aviation Administration,

I am writing in opposition to SpaceX's proposed Starship/Super Heavy Launch Vehicle expansion project on Boca Chica Beach.

The SpaceX expansion project would be incredibly detrimental not only to the wildlife habitat and wetland ecosystems around it, but to the nearby communities of Brownsville, South Padre Island, and Port Isabel as well.

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Additionally, the FAA should have to redo its regulatory process to accommodate the Spanish-speaking population because the public hearings and materials are not translated.

About 80% of the Rio Grande Valley community, which is directly impacted by SpaceX, speaks primarily Spanish at home. The FAA should not allow SpaceX to continue to expand to launch the Starship/Super Heavy project at Boca Chica Beach

because the potential for further wildlife and land damage along with the potential explosions it could cause is just not safe for the residents of the area and is not safe for the environment.

Sincerely,

Garcia Erica

[Redacted signature block]

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Lillian Miller at Sierra Club at [Redacted] or [Redacted]

From: Mary Volz [REDACTED] Sent You a Personal Message <[REDACTED]>
Sent: Saturday, October 30, 2021 10:35 AM
To: SpaceXBocaChica
Subject: Re: Draft Programmatic Environmental Assessment for the SpaceX Starship/Super Heavy Launch Vehicle Program

Dear Federal Aviation Administration,

It's not safe for man or beast..please stop this before there is a disaster not to mention the structure of all the buildings that will be effected from the blasts..windows and foundations!!

I am writing in opposition to SpaceX's proposed Starship/Super Heavy Launch Vehicle expansion project on Boca Chica Beach.

The SpaceX expansion project would be incredibly detrimental not only to the wildlife habitat and wetland ecosystems around it, but to the nearby communities of Brownsville, South Padre Island, and Port Isabel as well.

This project will require a massive scale of new industrialization that includes a rocket launch pad, gas power plants, desalination plant, gas drilling, and more near residential communities, between wildlife refuges, and at a public beach. Not to mention, the explosive rocket launch operations are less than six miles away from two highly flammable proposed liquefied natural gas (LNG) and a pre-existing gas pipeline.

An accident on the scale of a Starship/SuperHeavy launch vehicle would be a devastating catastrophe for the Laguna Atascosa Wildlife refuge, the Lower Rio Grande Valley Wildlife refuge as well as for nearby communities of color and endangered species like the ocelot and aplomado falcon.

At the very least, the FAA should conduct a comprehensive Environmental Impact Statement because of the size and scale of SpaceX's new launching operations. This Environmental Assessment is extremely inadequate, because it only evaluates an "initial mission profile," and does not address:

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2. The already damaged land and wildlife that SpaceX has already caused, in addition to the new plans that will permanently destroy acres wetlands and floodplains, 3. SpaceX's rocket launching schedule results in beach closures that would further strip away people of color's rights to fish and recreate at Boca Chica Beach by up to 800 hours per year, about an entire month.
4. Elon Musk, using his social media platforms to attract outsiders to displace a historically marginalized community. Already, longtime residents are being forced away from their beach and homes, and it doesn't help when outsiders, attracted by Elon Musk and his social media presence, displace residents by moving here or soliciting comments and opinions from people who've never even been to the region.
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About 80% of the Rio Grande Valley community, which is directly impacted by SpaceX, speaks primarily Spanish at home. The FAA should not allow SpaceX to continue to expand to launch the Starship/Super Heavy project at Boca Chica Beach because the potential for further wildlife and land damage along with the potential explosions it could cause is just not safe for the residents of the area and is not safe for the environment.

Sincerely,

Mary Volz

[Redacted signature block]

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Lillian Miller at Sierra Club at [Redacted] or [Redacted]

From: Paul Thompson <[REDACTED]>
Sent: Saturday, October 30, 2021 4:58 AM
To: SpaceXBocaChica
Subject: Space X launch facility.

Just a brief hi and message of support for the efforts of all at Space-X and their on going development of a reusable Starship solution. It's only with the dedication of such people with forward thinking ideas that will push the boundaries and get us on our way, ultimately to Mars.

I hope that the current review finds in favour of Elon and his team of visionaries, and neither block nor delay any future endeavours they have in getting things done.

Go Space-X Go!!

Best regards
Paul Thompson
United Kingdom
GB GB GB GB

Sent from my iPhone

From: mudstone@nts-online. net <[REDACTED]>
Sent: Saturday, October 30, 2021 3:14 PM
To: SpaceXBocaChica
Cc: R. D.
Subject: Space X launch sight.

I think we are missing a wonderful opportunity if we should not make the location at Boca Chica Texas available to SpaceX for any launches they need for development and use of their Rockets.

I am 76 years of age and have been an avid follower of our venture in space as long as I can remember. Watching launches on TV and always marveling the wild life flying around before and after a launch not seeming to be much disturbed. I am also familiar with not in my backyard living in Amarillo TX and working at Pantex Plant.

On the news we always here that we are falling behind in our technology and this area of rich technological development not at the expense of our government is wonderful and we should not try to run it off.

R. D. Hooks

From: Leo Sinic <[REDACTED]>
Sent: Friday, October 29, 2021 10:31 PM
To: SpaceXBocaChica
Subject: spaceX environmental issue?

I am 65 years old. I almost lived my life.
we do not know how to protect our planet from meteor impact or able to fix environmental disaster.
Should be every ones interest and duty to promote and give sacrifice for like the spaceX program.
Elan Musk is doing what no body did or willing to do like Tesla electric cars and trucks to save planet!
I am fully support spaceX program in Boca Chica ! if residents oppose, let them move out! it is that important.
Thank you

From: JOE STEPHENS <[REDACTED]>
Sent: Saturday, October 30, 2021 6:48 PM
To: SpaceXBocaChica
Subject: SpaceX , Texas

Concerning the Draft Programmatic Environmental Assessment for the SpaceX Starship/Super Heavy Launch Vehicle Program (Draft PEA).

I've been living in Florida just south of Kennedy Space Center. As a Floridian I'm proud of our flight center. Going on an occasional visit when I get the chance. It's a prime example of a wild life refuge existing with a launch industry.

I'm in full support of SpaceX and their Launch Vehicle Program. I know they'll be soon coming here.
Supporter: Joe Stephens

From: Thomas Pederson <[REDACTED]>
Sent: Saturday, October 30, 2021 10:05 AM
To: SpaceXBocaChica
Subject: SpaceX Boca Chica Comment

During the Texas Big freeze of 2021

-SpaceX organized, volunteered and paid for the rescue of Turtles in thermal shock, provided generators and support to keep water warm while power was out keeping thousands of endangered and at risk Sea Turtles alive. This unrequested and unrequited gesture showed a first class attitude stewardship for the environment.

-Plovers and other nesting birds across the area abandoned their nests due to the low temperatures, this is Not SpaceX's fault and should be noted as such.

The SpaceX Boca Chica launch site is one of the densest and smallest launch site footprints in the world.

Launches from SpaceX in Boca Chica will allow research into meteor monitoring and potential mitigation, potentially protecting the environment and potentially Humanity as a whole.

The green efficient use of Starship and the entire launch apparatus at Boca Chica is by far better than any other in the rocket industry using Solar and Wind as a part of their strategy to reduce the use of CO2 fuels, Reducing the waste of spent rocket stages through a route of full Reusability and Recycling methane propellant.

The orbital cargo to CO2 ratio Greenhouse production versus any other vehicle for the payload capacity is by far less.

The socioeconomic impact of SpaceX in the region has helped the unemployment situation in Brownsville as a local community and additionally Nationwide due to its vast supply chain network across the country.

Economic impacts of SpaceX brings the cheapest alternative to the space Industry which will grow the entire industry.

A fuel spill of methane is not polluting and will not contaminate the ground or ground water compared to other rocket propellants such as rp1 which the Falcon 9 and Falcon Heavy utilize and would have been used at this site location, so this is by far superior alternative.

The advantage of any proposed pipelines will keep trucks off the highway protecting bird species that others have mentioned being killed on the roads and I believe will be done through SpaceX's sister company Lone Star LLC to the former Sanchez Oil and Gas site that Lone Star is leasing.

Any proposed pipelines will most likely have a Water Pipeline installed with it too further reducing the reliance of bulky heavy water trucks.

SpaceX shines as the most promising Beacon of Human Achievement and Advancement bringing us to further frontiers like the Apollo program landing on the Moon 52 years before.

The FAA has already done an EIS for SpaceX in the Boca Chica Area. Another EIS will be a needless costly exercise in time, money and a wasteful use of man hours at the FAA and SpaceX.

These among many other innumerable reasons are why I believe **the FAA should give SpaceX in Boca Chica a Finding of No Significant Impact (FONSI)**, or at most a Mitigated FONSI.

Britton Thomas Pederson

From: Rose Herrmann <[REDACTED]>
Sent: Saturday, October 30, 2021 12:44 PM
To: SpaceXBocaChica
Subject: SpaceX comments

Please do NOT let SpaceX further destroy the wildlife area and it's birds and communities near by. Piping plovers have already been reduced by half and sea turtles are endangered. They have already affected 14,000 acres of our state and federal lands and have been violating there agreement by building a MUCH larger rocket with 43 engines and uses 5,200 metric tons of propellent and want to build a natural gas facility to extract and deliver gas to the site. Space exploration should NOT come at such a great cost to our environment and our wildlife. SpaceX must think they can destroy what they want because of their wealth. It is despicable. Thank you. Rose and John Herrmann

Sent from my iPhone

From: Rose Herrmann <[REDACTED]>
Sent: Saturday, October 30, 2021 12:04 PM
To: SpaceXBocaChica
Subject: SpaceX comments

Space exploration should NOT destroy our environment and wildlife here on earth which is what SpaceX is doing. Rose Herrmann

Sent from my iPhone

From: Richard DeDomenici <[REDACTED]>
Sent: Saturday, October 30, 2021 4:45 PM
To: SpaceXBocaChica
Subject: SpaceX Starship Super Heavy Project at the Boca Chica Launch Site

Dear Stacy,

I fully support SpaceX's important work at Boca Chica, but nevertheless propose that they construct a second road linking the launch site to the factory, to reduce the need for public road closures, and maintain access to the beach.

Yours faithfully,

Richard DeDomenici
London, UK
[REDACTED]



From: Joseph Grcar <[REDACTED]>
Sent: Saturday, October 30, 2021 12:29 PM
To: SpaceXBocaChica
Subject: SpaceX Starship Super Heavy Project at the Boca Chica Launch Site

Posted on Saturday October 29 to the appropriate FAA website

Dear FAA,

I strongly support the SpaceX plan to launch numerous space ships from a new site in Boca Chica, TX. The reasons for my support are both on national security grounds and on economic grounds.

As the retiring vice chair of the joint chiefs of staff has disclosed, the United State is far behind China in supersonic flight technology. The SpaceX launches will develop entirely new technologies in which the United States can excel to restore a balance of power vis-a-vis China. It is precisely the ability to launch frequently and rapidly that is the novel strategic advantage. I believe SpaceX should be allowed to launch as many rockets as frequently as it needs to establish both orbital and short hop capabilities.

Further, Boca Chica is an economically marginalized area of the United States precisely because of its location far from population centers. The SpaceX launch site will bring to the area many new jobs in construction and in services not to mention high tech industries.

For these reason I urge the FAA to immediately grant SpaceX whatever launch permissions it requests.

Sincerely
Joseph Grcar

[REDACTED]

From: Alan Guggenheim <[REDACTED]>
Sent: Saturday, October 30, 2021 10:09 AM
To: SpaceXBocaChica
Subject: SpaceX Starship/Super Heavy at Boca Chica comment

SpaceX Starship/Super Heavy program seems to be a great opportunity for the World, the Earth, Texas, South Texas and Padre Island.

I strongly support the launch of the program and of all the Starship rockets from our region. We service EMS calls throughout the region, and the benefits of the SpaceX program largely outweigh the risk presented.

We need to go to the Moon, Mars and beyond.

Please allow this to happen.

Thanks

Alan A. Guggenheim
Chairman and CEO
Sensible Care Holdings, LLC



Tel: + [REDACTED] xt101

Cell: + [REDACTED]

From: J Coombe <[REDACTED]>
Sent: Saturday, October 30, 2021 10:40 AM
To: SpaceXBocaChica
Subject: Starship Draft Eaa public comment

After nearly half a decade since mankind last left low Earth orbit, I couldn't be more excited to see SpaceX take the initiative to not only bring humans beyond low Earth orbit once again, but to set their sights on the Moon, Mars, and beyond through the Starship program. With the development of Starship being one of the first fundamental building blocks of achieving its ultimate goal of empowering the human race to become a spacefaring, interplanetary species. SpaceX could not have chosen a more significant cause for the long term survival of humanity and the human consciousness in it's current biological form.

Since the retirement of the shuttle program the world has yet to see another re-usable, heavy payload space transportation system. The Starship system as a whole aims to not only replace that capability but to exceed it with a fully and rapidly reusable superheavy lift space transportation system. Through full and rapid reuse capabilities, Starship aims to offer affordable superheavy lift capabilities to both commercial and government customers.

With their astounding technical achievements in recent years, I place my utmost confidence in SpaceX to carry out the Starship program development and implementation not only safely but with minimal environmental impact. I urge the FAA and any other regulatory authorities with the power to do so to not only streamline the approval process and eliminate any and all administrative delays but to prevent future legal and administrative limitations on the program. This may be our only chance to begin the long process of expanding mankind's permanent presence to other planetary bodies. There would be no greater achievement for the human race than to achieve this goal.

I passionately support the development of the SpaceX Starship program and I ask the FAA to work together, in cooperation with SpaceX, to help ensure the success of this program. We may never again be so fortunate to have an organization with the available resources and passion that SpaceX possesses towards achieving such a significant goal for mankind as a species.

In closing, I implore the FAA and all applicable regulatory bodies to empower SpaceX with the freedom to reach for the stars and strive to achieve it's monumental goals by supporting the Starship program.

Jim Coombe

From: Joe Clearman <[REDACTED]>
Sent: Saturday, October 30, 2021 9:56 AM
To: SpaceXBocaChica
Subject: Starship

Please, let our angel fly.

Thank you,
Joe Clearman

[REDACTED]

From: D <[REDACTED]>
Sent: Saturday, October 30, 2021 5:41 AM
To: SpaceXBocaChica
Subject: Starship/Superheavy Project

Good morning Space X team,

I hope this message finds you well. My name is Daniel Monclova, I am a resident of Texas, I call Texas home, a place where my community and family and friends live. I am Concerned with Space X and the Starship/Superheavy project. The development of such site will bring disrespect and harm to the Boca Chica site which are ancestral lands of the of the Carrizo Comecrudo Tribe of Texas. As these are their lands they should be consulted about development and their leadership should be followed. Indigenous peoples are the original stewards of the land, working in unison with the land, for the land. The FAA isn't doing their due diligence in this matter and we are relying on you to make the right decision.

We only have one earth. No amount of development or financial gain will matter when we have damaged the earth beyond its capacity. Climate change is real, land development and desecration of ancestral sites harms the land. Please listen to the indigenous tribes all over the world, follow the leadership of the Carrizo Comecrudo Tribe whose land you are thinking of harming.

Respectfully,
Daniel Monclova

Sent from my iPhone

From: J Coombe <[REDACTED]>
Sent: Saturday, October 30, 2021 10:40 AM
To: SpaceXBocaChica
Subject: Starship Draft Eaa public comment

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In closing, I implore the FAA and all applicable regulatory bodies to empower SpaceX with the freedom to reach for the stars and strive to achieve it's monumental goals by supporting the Starship program.

Jim Coombe

From: Ryan Mcleod <[REDACTED]>
Sent: Friday, October 29, 2021 9:07 PM
To: SpaceXBocaChica
Subject: Starship/superheavy

Hello

Please allow Elon Musk and SpaceX to continue their work on starship and superheavy and allow them to do more orbital launches. Space is our future and creating a spacefaring civilization is essential to the continuation of not only our species but also potentially all life on earth.

Space resources will also be necessary to offset and perhaps reverse the damage from global warming.

Right now we have all our eggs in one basket...

should an asteroid or comet be on a collision course to hit us there is not much hope.

I thank you for your consideration

Yours truly

Dr Ryan McLeod

From: Ryan <[REDACTED]>
Sent: Sunday, October 31, 2021 12:13 PM
To: SpaceXBocaChica
Subject: ***Possible Spoofing Attempt*** My Comment Re: Draft Programmatic Environmental Assessment Public Review and Comment Period

Hello,

I am a full time permanent resident of Brownsville Texas and I am writing to express my complete and total support for all SpaceX activities at Starbase and Boca Chica areas including all needed construction, testing, road closures and Starship Super Heavy launches and landings as discussed in the Draft Programmatic Environmental Assessment. SpaceX is working towards making Earth life multiplanetary and all Starbase activities are absolutely critical for this mission. The significance of Earth life becoming multiplanetary cannot be overstated. The ultimate fate of all life on Earth including humans and consciousness depends on this. All it takes is one. If just one sizeable asteroid, comet, rogue planet or rogue moon impacts Earth, then we all get deleted from the universe, not to mention the dozens of other possible global extinction events. Billions of years of evolution and development wiped out forever unless we have a self sustaining settlement on at least one other planet. SpaceX is the world leader making this happen at Starbase Texas and they should be fully supported in every imaginable way possible. Go SpaceX!!

-Ryan Wayne Orvis Tucker

From: Mathieu NICOLAS <[REDACTED]>
Sent: Sunday, October 31, 2021 3:30 PM
To: SpaceXBocaChica
Subject: About SpaceX and their Starship

Just to say, from France, that SpaceX is making greaaaaat things since years.
As a physics teacher, I often use their official documents and videos to teach my students about many things.
They're interested in this journey, it makes them dream, and America should be proud and encourage as much as possible these too rare projects !!!

Let them fly !

M.

From: Johnny Runyan <[REDACTED]>
Sent: Sunday, October 31, 2021 8:46 PM
To: SpaceXBocaChica
Subject: Approve SpaceX site assessment for the future of space flight!

I live in Central Texas(relocated from the Texas coast) and I'm in full support of the SpaceX plan to use Boca Chica for testing until they can develop their offshore platform for lift off of the Starship. Failure to advance our push to space will hinder the development of human kind and push into deep space. The SpaceX venture has also been a boom to the depressed economy of south Texas. The jobs are a God send to these inhabitants. Space has been a big part of Texas for many years and I would like to see that continue. Please issue a favorable report to SpaceX and Texas!!

Best Regards,

Johnny Runyan

From: Cody Kingham <[REDACTED]>
Sent: Sunday, October 31, 2021 7:47 PM
To: SpaceXBocaChica
Cc: [REDACTED]
Subject: Approve the SpaceX Starship Proposal

Dear FAA,

Thank you for the opportunity to make comments on SpaceX's draft PEA. As residents of Texas, this is a matter of great importance to us. Our family regularly makes trips to Boca Chica to enjoy the beautiful natural scenery, wildlife, and pristine beaches. These habitats are invaluable treasures that we ought to care for and steward well.

However, we believe the expansion of the SpaceX facilities will pose a minimal impact on the surrounding wildlife and natural areas. The proposed SpaceX expansion of the Vertical Launch Area to 40 acres (PEA pg. 26) comprises a mere 0.4% of the total 10,000 acre area of the Boca Chica beach area. The proportion of proposed expansion in relation to the entire Lower Rio Grande National Wildlife Refuge is even smaller, representing just 0.1% of the land area. While there is no doubt that SpaceX's impact area will be greater than 40 acres for the VLA (+ other acreage due to other expansions) due to noise, light, etc., the Agency should keep in mind that these impacts are likely to be small given the total size of the refuge. The FAA should ensure that SpaceX takes the proper measures to compensate for lost wetlands or habitat disturbance without hindering further progress.

Aside from the immediate environmental concerns, the FAA should take into consideration the potential long-term consequences of delaying SpaceX's launch permits. The Starship program is now a matter of strategic national importance. Whether it is providing launch services to NASA's Artemis program, providing revolutionary transport to the United States military, or protecting American interests in Low Earth Orbit and beyond, the United States cannot afford to fall behind due to overzealous regulatory decisions. The Agency can accomplish its goal of ensuring minimal environmental impact on the Boca Chica wildlife refuge without hindering vital, national interests.

We urge the FAA to accept SpaceX's proposal to expand the existing launch site and conduct regular Starship launches from Boca Chica beach.

Most Sincerely,

Cody and Kathryn Kingham
[REDACTED]

From: Ciprian Boboc <[REDACTED]>
Sent: Sunday, October 31, 2021 9:16 AM
To: SpaceXBocaChica
Subject: arguments to approve

The mitigations presented in the draft seem reasonable and satisfactory to get it approved.

While there are going to be local environmental and economic consequences, the more important are the national and global consequences of making space accessible to all of us.

We're a nation of pioneers, innovators and explorers. Our country can't afford to not push the boundaries and deny our ability to expand into space. While we want to stay in a legal framework, we have to also take a look at what our competition does (China, Russia, etc) and if they would slow down a massive infrastructure project like this (spaceports and gateways to space).

We also should have this approved under the current submission to avoid the militarization of space. The US military gets environmental waivers for developing similar or less advanced technology.

After this draft is approved, we should also consider how SpaceX can help the environment from a global perspective. Once their technology is proven, then they should help launch payloads in space (e.g. satellites) to gather environmental data, help science and much more.

Thanks,
Ciprian Boboc
phone [REDACTED]

From: doug <[REDACTED]>
Sent: Sunday, October 31, 2021 2:59 AM
To: SpaceXBocaChica
Subject: barking up the wrong tree

The State legislature changed the law, and the new un-elected manager of the city of Detroit switched the source of piped utility water, pulling the lead out of the utility pipes: Piss on the Clean Water Act.

Since 2003, DOD has obtained exemptions from three environmental laws and has sought exemptions from three others. Just have the US Space Force park a grapefruit-size "tactical" nuke (We neither confirm nor deny) in Boca Chica and paint USN on the side of the booster: No Problem.

The DOD is the world's largest user of petroleum and correspondingly, the single largest producer of greenhouse gases (GHG) in the world. See <https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator>

The Enbridge #3 pipeline **being built TODAY** required NO NEW Environmental Impact Statement: 1,097 miles of 700,000 barrels a day, soon making it the largest tar sands pipeline in the world for producing Bitumen, gasoline, Navy bunker fuel & Jet fuel.

The US Army converted all their field laundry to perchloroethylene the month before the Montreal Protocol kicked in, but since i had a few pounds of dry-cleaning filters out of a steel chamber i was converting for Disney, I was required to get a \$600 "one time EPA permit".

But i digress

2018: Enbridge's Valley Crossing Pipeline—a 168-mile line running from Agua Dulce, Texas, to the Gulf of Mexico east of Brownsville [**exiting into the Gulf three miles north of SpaceX across Boca Chica Beach**] entered service with the capacity to move up to 2.6 billion cubic feet a day of natural gas south of the border.

It's transport capacity is half the average daily production output of the entire Eagle Ford shale basin—in fact, it's more than 10 percent of the average daily production for the entire state of Texas.

Sadly, all the Mom-and-Pop propane distributors in Mexico are being being wiped out.
<https://www.youtube.com/watch?v=ZAnhW6Re-ZE>

The FAA is barking up the wrong tree.

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Sadly, all the Mom-and-Pop propane distributors in Mexico are being being wiped out.
<https://www.youtube.com/watch?v=ZAnhW6Re-ZE>

The FAA is barking up the wrong tree.

From: doug <[REDACTED]>
Sent: Sunday, October 31, 2021 3:36 AM
To: SpaceXBocaChica
Subject: Care is a four letter word

US Airlines are burning half a trillion pounds of mined-Earth kerosene in the stratosphere **each year** and the refining production waste gets smeared on our streets every five years.
The Irish political prisoners did the same in their cells.....

And Boeing isn't even trying.

See
http://www.rsof.org/images/1967_aircraft_turbine_NH3_liquid_fuel.pdf
or
<https://nh3fuel.files.wordpress.com/2016/09/doug-barnett-nh3-fuel-for-tomorrow-nh3fa2016.pdf>

The UK has put up \$100m
<https://www.reactionengines.co.uk/news/news/reaction-engines-stfc-engaged-ground-breaking-study-ammonia-fuel-sustainable-aviation-propulsion-system>

The President of DELTA Airlines said tonight [30 October 2021] on NPR that the total yearly production of "sustainable jet fuel" would power his airline for ONE DAY.

Thanks for the time

Doug Barnett
Clerk
Los Angeles Monthly Meeting of The Religious Society Of Friends (Quaker)

From: Travis McDaniel [REDACTED] Sent You a Personal Message
<[REDACTED]>
Sent: Sunday, October 31, 2021 1:36 PM
To: SpaceXBocaChica
Subject: Comment for Programmatic EA on Starship/Super Heavy launch operations

Dear Federal Aviation Administration,

There is at least one logical location that would require minimal investment for this project (ie: Cape Canaveral). Allowing SpaceX to blatantly ignore governmental regulations under the shelter of wealth, while gradually destroying a sensitive, biologically unique part of our planet is disgraceful and unamerican. How long will it be before we can no longer enjoy South Padre Island due to their expanding operations if left unchecked? Your decision to require SpaceX to obtain a new EIS will not stop the forward motion and growth of the Rio Grande Valley. It is a logical next step that will help to garner the trust and support of the local community.

I urge the FAA to conduct a new EIS for the SpaceX Starship/Super Heavy operations currently underway at SpaceX's Boca Chica site. From the 2014 FEIS, the objective, launch vehicle, and the size and scope is entirely different, which potentially may include off-shore launches via Super Heavy-class spaceports, Super Heavy re-landing on the launch stand, simultaneous launches, and a resort.

FAA should consider not just the "proposed project" and "no action" alternatives, but also other alternatives that include launches of Starship from an offshore platform or moving Starship launches to Cape Canaveral, for which the necessary infrastructure already exists and is situated further away from National Wildlife Refuges and/or state park land.

A new cumulative analysis needs to be conducted. A 3rd-party launch failure analysis is needed due to the proximity of Port Isabel, Long Island Village and potentially three LNG export terminals within five miles of the launch site. Additionally, an analysis of the potential impacts to the proposed Jupiter LLC project, a crude upgrading, processing and export facility which includes an offshore VLCC loading facility six miles offshore.

A new biological opinion is needed. The Starship is much larger, there will be more testing, more beach closures, and more traffic where endangered wildlife is present. More closures of Boca Chica beach will result in increased inaccessibility to monitoring of endangered sea turtle nesting sites.

Additionally, I request the FAA enforce and/or hold SpaceX accountable to their required mitigation.

Sincerely,

Travis McDaniel
[REDACTED]

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Lillian Miller at Sierra Club at [REDACTED] or [REDACTED]

From: Jim Summers ([REDACTED]) Sent You a Personal Message
< [REDACTED] >
Sent: Sunday, October 31, 2021 7:41 PM
To: SpaceXBocaChica
Subject: Comment for Programmatic EA on Starship/Super Heavy launch operations

Dear Federal Aviation Administration,

I urge the FAA to conduct a new EIS for the SpaceX Starship/Super Heavy operations currently underway at SpaceX's Boca Chica site. From the 2014 FEIS, the objective, launch vehicle, and the size and scope is entirely different, which potentially may include off-shore launches via Super Heavy-class spaceports, Super Heavy re-landing on the launch stand, simultaneous launches, and a resort.

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Additionally, I request the FAA enforce and/or hold SpaceX accountable to their required mitigation.

Sincerely,

Jim Summers
[REDACTED]

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Lillian Miller at Sierra Club at [REDACTED] or [REDACTED]

From: Viviana Trevino [REDACTED] Sent You a Personal Message
<[REDACTED]>
Sent: Sunday, October 31, 2021 12:10 PM
To: SpaceXBocaChica
Subject: Comment for Programmatic EA on Starship/Super Heavy launch operations

Dear Federal Aviation Administration,

A new Environmental Impact Analysis for the SpaceX Boca Chica is desperately needed as the first was intended for the launch of the Falcon 9 and Falcon Heavy rockets at Boca Chica, not to develop conceptual launch vehicles which has brought upon unforeseen environmental consequences (brush fires, increased traffic due to road closures, etc) all of which negatively impact wildlife and their access to safe crossings and pristine (debris-free) lands. Having public roads closed off the majority of the week, every week, practically, is unacceptable as it monopolizes access to what is publicly maintained lands. Given that the area's primary financial interest is tourism and at large, the ecology of the area is critical to the animals inhabiting it and the people who live here, a new EIS is absolutely imperative to accurately gauge the impacts of this enterprise on the people, animals, and environment of the surrounding regions.

I urge the FAA to conduct a new EIS for the SpaceX Starship/Super Heavy operations currently underway at SpaceX's Boca Chica site. From the 2014 FEIS, the objective, launch vehicle, and the size and scope is entirely different, which potentially may include off-shore launches via Super Heavy-class spaceports, Super Heavy re-landing on the launch stand, simultaneous launches, and a resort.

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A new biological opinion is needed. The Starship is much larger, there will be more testing, more beach closures, and more traffic where endangered wildlife is present. More closures of Boca Chica beach will result in increased inaccessibility to monitoring of endangered sea turtle nesting sites.

Additionally, I request the FAA enforce and/or hold SpaceX accountable to their required mitigation.

Sincerely,

Viviana Trevino
[REDACTED]

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Lillian Miller at Sierra Club at [REDACTED] or [REDACTED]

From: CoastalBend Vice Chair <[REDACTED]>
Sent: Sunday, October 31, 2021 2:41 PM
To: SpaceXBocaChica
Subject: Comment on Draft SpaceX PEA

Dear Ms. Zee,

As an avid surfer, I have been going to Boca Chica Beach since the early 1990s. It is well known that the waves on this beach south of the Brazos Santiago Pass can be some of the best in the state. When my wife and I drove on Highway 4 toward the beach this summer, we surprised by the vehicle congestion and presence of a county sheriff's SUV as we passed by SpaceX's launchpad area. We also saw several large pieces of debris, no doubt from previous rocket explosions, sitting out on the mud flats in the adjacent National Wildlife Refuge. Since it was a weekend, a steady stream of cars from Brownsville were also headed to the beach and many families were setting up shade tents and chairs on the sand to enjoy the refreshing Gulf breeze and water.

To date, SpaceX has not operated in good-faith to meet the agreed-upon hours per year for closure of public access on Highway 4. Since they have shown little or no desire to keep public access open now, why will they want to do so if the allowable closures are extended to 800 hours per year? And even if they were held to an 800 hour per year limit, that's equal to stopping public beach access for 5 hours a day, 5 days a week for 32 weeks a year! This conflicts with the intent and purpose of the Texas Open Beaches Act which was amended to the Texas Constitution in 2009.

Anyone with access to YouTube can see the enormity of past Starship explosions at the site. With three times the number of engines as the Starship, any explosions while the Super Heavy rocket is being tested will be catastrophic for birds and other wildlife, including endangered species, in the area. What's more, these explosions will threaten the city of South Padre Island with serious property damage and public safety impacts.

Moreover, SpaceX's draft PEA is deficient in describing how they will prevent harm to the surrounding habitat and wildlife, how or when they plan to disclose and mitigate the impacts of the proposed power plant to comply with NEPA, how they plan to transport natural gas to the site, how the withdrawal of groundwater for desalination will impact nearby water resources or water rights holders and users who are reliant on the aquifer, or how SpaceX will reimburse property owners for damages from explosions and overpressure events.

To that end, the FAA needs to require SpaceX to go back and rewrite the PEA so that it contains a sufficient detail on the project and all its potential impacts. As it now stands, the proposed project does not comply with NEPA. In order to ensure that Texan's lives, property and natural spaces are not harmed, a complete and comprehensive Environmental Impact Statement must be conducted to fully understand the potential impacts of all components of this project.

Sincerely,

Neil McQueen
Vice Chair - Texas Coastal Bend Chapter, Surfrider Foundation
he/him/his

From: Cathie Bird <[REDACTED]>
Sent: Sunday, October 31, 2021 12:16 PM
To: SpaceXBocaChica
Subject: Comments on draft environmental review of the proposed SpaceX Starship/Super Heavy program

Thank you for inviting public comments on the draft environmental review of the proposed SpaceX Starship/Super Heavy program in Boca Chica, Texas.

Threatened birds and other wildlife in Boca Chica face a growing threat as aerospace company SpaceX builds and expands its Starship/Super Heavy Project and launch site.

Ongoing construction, fires, and rocket debris are impacting important habitats, and putting the federally threatened Red Knot and Piping Plover, as well as the endangered Northern Aplomado Falcon at risk. According to an analysis by Coastal Bend Bays & Estuaries Program in Corpus Christi, the Piping Plover population in the Boca Chica region has decreased by 54% since SpaceX started testing and launching rockets.

These lands also support several species of sea turtles and mammals listed under the Endangered Species Act.

Despite the clear impacts, the company has received little oversight from the Federal Aviation Administration (FAA) as it has conducted and expanded operations.

The draft assessment fails to provide a full picture of the facility's effect on Boca Chica, ignoring the impact on birds, other wildlife, the habitats they need, and on nearby communities.

SpaceX has increased its scope well beyond what was specified in the FAA's 2014 Environmental Impact Assessment.

Given substantial changes to SpaceX's initial scope of work, the FAA should

- require SpaceX to conduct a full-scale environmental impact study, as required by the National Environmental Policy Act.
- improve oversight of SpaceX activities and to conduct a comprehensive study of how the company's operations will impact wildlife and the environment.
- require a full scale, in-depth analysis of SpaceX's environmental impacts.

Space exploration should not come at great cost to the environment and wildlife here on Earth.

Thank you for considering my comments.

Sincerely,

Cathie Bird
[REDACTED]

From: Marianne Simmons <[REDACTED]>
Sent: Sunday, October 31, 2021 7:54 PM
To: SpaceXBocaChica
Subject: Comments on Draft PEA SpaceX
Attachments: SpaceX Merriwood letter 10.31.21.docx

This letter is sent on behalf of Merriwood Ferguson, attached below.
Thank you.



Merriwood Ferguson

[REDACTED]

October 31, 2021

Federal Aviation Administration, Space Comments
[REDACTED]

I would like to register my request for a NEW Environmental Impact Statement including a launch failure analysis for the SpaceX project.

I have gone to Boca Chica beach all of my life. I have spent years organizing and advocating to protect Boca Chica beach and the surrounding area from commercial development in order to preserve this delicate and important ecosystem. I worked on issues to support and implement the Coastal Barrier Resource System established by President Reagan in the late 1980's, a program that recognized the importance of protecting undeveloped coastal regions and barriers all around the US and Puerto Rico. The accomplishments of that program helped save and preserve these vital ecosystems and the wildlife that inhabit them. This region is one of the largest shorebird networks in the world with thousands of migratory species. I worked to help secure over 20,000 acres into the National Wildlife Refuge System. I understand the irreplaceable value this area provides to environmental health, public recreation & community, fishing & tourism.

A new EIS is needed to address the cumulative impacts that have yet to be recognized by the FAA and SpaceX, including but not limited to proposed Liquefied Natural Gas (LNG) export terminals and a proposed crude upgrading, processing and export facility that includes marine loading berths 6 miles offshore for loading VLCC ships (65,000 dwt Panamex sized) at the Port of Brownsville.

A launch failure analysis should be part of the EIS to assess the risks to public safety and risks to the proposed infrastructure and operations at the Port of Brownsville and off-shore.

I do not support the expanded vision of the SpaceX project ... plans that were never a part of its initial plans or approvals. The detriment to the ecosystem will be vast, irreversible and unacceptable. Please act responsibly.

Sincerely yours,

Merriwood Ferguson

From: Daniel Boston <[REDACTED]>
Sent: Sunday, October 31, 2021 6:39 PM
To: SpaceXBocaChica
Subject: Comments on Draft PEA

To whom it may concern at the FAA,

I am writing in my capacity as a United States of America citizen, and represent no other group or interested party.

I am not a resident of Boca Chica or the surrounding area, and cannot speak to the noise, lifestyle, or cultural impact to Boca Chica itself.

I can, however, comment on the impact of moving forward on the PEA for the USA, and for all citizens of the same.

It is critical that the United States remain at the forefront of spaceflight, and demonstrate to the world a willingness to embrace innovation, reward ambition, and pursue new frontiers. SpaceX's intended operational profile, outlined in the PEA, represents sensible, stepwise progress towards new innovation in spaceflight, embraces wholesale ambition, and if successful, will open the world, with the USA at the lead, to amazing new frontiers.

From general to specific; compared to SpaceX's declared intentions long-term, this PEA represents a constrained, appropriate expansion of activities to allow for measured innovation. By tiering future expansion under this PEA as needed, SpaceX can aggressively test under this PEA without immediately moving into a more dramatic operational phase until additional EA is done.

In this way, the local community has the luxury of a kind of "wait and see" impact; they have some notion currently of what might come, embrace the positives and seek relief from the negatives through increased scrutiny before feature tiered EAs are approved.

As a nation, we also benefit from encouraging proven innovators like SpaceX, while enforcing a thoughtful approach to test and implementation of new ideas. Starship represents a meaningful next step for SpaceX, going from partial re-use to full re-use, with significant increase in ability to send mass to space, and ultimately, people to the Moon (although such missions would be outside scope of this PEA).

I strongly encourage adoption of the proposed action, to issue experimental permits as needed and authorize the scope of construction as outlined in the PEA.

Thank you for considering my comments.

Respectfully,

Daniel Boston
Seymour, TN

From: Laura Chamberlin <[REDACTED]>
Sent: Sunday, October 31, 2021 7:07 PM
To: SpaceXBocaChica
Cc: Rob Clay
Subject: Comments on SpaceX Boca Chica Launch Site
Attachments: WHSRN Space X boca chica PEA comments Oct2021.pdf

Dear Ms. Zee,

Thank you for the opportunity to comment on the Draft Programmatic Environmental Assessment for the SpaceX Starship Super Heavy Project at the Boca Chica Launch Site. Please find comments from the Executive Office of Western Hemisphere Shorebird Reserve Network.

Sincerely,
Laura Chamberlin

Laura Chamberlin
ASSISTANT DIRECTOR
WHSRN Executive Office
Manomet, Inc

[REDACTED]



1 November 2021

Ms. Stacey Zee
SpaceX PEA, c/o ICF
9300 Lee Highway
Fairfax, VA 22031

Re: Draft Programmatic Environmental Assessment for the SpaceX Starship/Super Heavy Launch Vehicle Program at the SpaceX Boca Chica Launch Site

Dear Ms. Zee,

On behalf of the Executive Office of the Western Hemisphere Shorebird Reserve Network (WHSRN), I would like express our concern that the *Draft Programmatic Environmental Assessment for the SpaceX Starship/Super Heavy Launch Vehicle Program at the SpaceX Boca Chica Launch Site in Cameron County, Texas* (PEA) does not adequately consider all of the potential environmental impacts. To address this concern, we request the completion of a full, detailed Environmental Impact Statement to evaluate the immediate and cumulative effects of SpaceX activities at Boca Chica.

WHSRN is a site-based shorebird conservation initiative launched in 1985 whose mission is to conserve shorebirds and their habitats through a network of key sites across the Americas. The network is comprised of hundreds of partners working at 112 sites in 18 countries to conserve and manage over 38.2 million acres of critical habitats for shorebirds.

With five WHSRN sites, the coast of Texas is well recognized as providing important habitat for hundreds of thousands of shorebirds. One of the most ecologically rich sites is the Laguna Madre WHSRN site, on the Texas-Mexico border, stretching nearly 400 miles from Ports Mansfield, Texas to San Fernando, Mexico. Immediately adjacent to the WHSRN site is Lower Rio Grande Valley National Wildlife Refuge, which includes the remote and pristine coastal areas of Boca Chica. Flocks of up to 100 of the federally endangered Piping Plover (*Charadrius melodus*) occur in this area. Several species of beach-nesting bird of conservation concern breed in overwash areas. In addition, Red Knots (*Calidris canutus*), listed as threatened under the Endangered Species Act, and other Arctic-nesting migratory shorebirds use the area as both a stopover site during migration and as wintering habitat.

Boca Chica is also the location of SpaceX's South Texas launch site for commercial space transportation. The original Environmental Impact Statement (EIS) for the launch site was prepared in 2014. As SpaceX's technology has rapidly advanced, there have been at least eight changes to their operations and site design, including increased testing and hours of area closures. These changes were not included considered in the original EIS and have not gone under a full public review. SpaceX's latest proposal for expanded activities at its Boca Chica facility include suborbital and orbital launches; tank tests; static fire engine tests; expansion of the vertical launch area and solar farm; and construction of additional infrastructure including parking lots, a liquid natural gas pretreatment system, a natural gas liquefier, a payload processing facility, a power plant, a desalination plant, and trenching



The WHSRN Executive Office is housed within Manomet's Flyways Program.

and pull-offs along State Highway 4. The expansion of the vertical launch area is already under construction, even though it has not been approved.

Each test conducted at the launch site impacts shorebird habitat. The tests include an explosion which generates extreme noise that could potentially deafen birds or cause brain damage; a 'vapor' cloud that contains combusted chemicals of unknown potential impact on the birds and their food resources; and the risk of direct impacts from falling debris. Birds may also be excluded from prime habitat as a result of frequent disturbance. According to an analysis by Coastal Bend Bays & Estuaries Program, the Piping Plover population in the Boca Chica region has decreased by 54% over the past 3 years (2018-2021) since SpaceX began testing and launching rockets. The proposed expansion will mean more launches and thus greater impacts, as well as greater potential disturbance as a result of increased traffic and construction.

With a lack of detail and vague phrases such as "to the extent possible", the PEA is insufficient for the substantial expansion activities that are proposed. A comprehensive EIS is needed to understand the full extent of impacts that this project may cause. This EIS needs to assess the cumulative impacts of all planned components, and not piecemeal as has been the case since 2014. Additionally, the original EIS included monitoring, but there appears to have been poor compliance with the conditions established therein, an issue that needs to be addressed through a new EIS.

Shorebirds are showing the most dramatic declines of any group of birds. Many countries, including the United States, have made significant investments in habitat restoration, management, and protection to ensure that they are providing the best habitat for these shared international species. The extent of the impacts of SpaceX's activities on shorebirds is not fully understood and could cause irreversible damage to important habitat at Boca Chica. The cultural and economic impacts will be felt both in southern Texas and across the Americas where many sites receive cultural and economic benefits from the diverse ecosystems that include the same shorebirds that use the Laguna Madre area.

As habitat loss continues to be a significant threat for shorebirds throughout the Americas, protecting the remaining areas of habitat is critical. If the SpaceX facility is to remain in this location, the WHSRN Executive Office recommends that a complete EIS process be initiated to allow for a public process to review changes, monitor impacts, and identify appropriate mitigation measures. This EIS should also consider the development of an accountability plan.

Please feel free to contact Laura Chamberlin, if you have further questions, at [REDACTED] or [REDACTED]

Sincerely,



Rob P. Clay, Ph.D
Director, WHSRN Executive Office