STARSHIP LAUNCH READINESS

LAUNCH ESTIMATE -- Sept 13 - Oct 1

As of April 6 - Compiled by @GrandpaJoe42

Overall Progress >	
STACE ZEDO	
STAGE ZERO	COMPLETE
95 Fuel Farm	COMPLETE
Commodity Storage Tank Installation	10/18/2021
Cryogenic Pipe Installation and Insulation Coverings	1/25/2023
Kettle Boiler and Pump/Motor Installation	1/25/2023
Methane / Oxygen / Nitrogen / Helium Deliveries	1/25/2023
95 Orbital Launch Table	COMPLETE
00 Construct OLT	7/31/2021
Booster Quick Disconnect	6/11/2022
Nitrogen / Water - Fire Supression System	4/29/2022
Add awning covers and side protection	2/1/2023
Flame Protection	2/1/2023
Orbital Launch Integration Tower	COMPLETE
Construct Tower	7/28/2021
Install and Test Lifting and Catching Arms (Chopsticks)	10/5/2021
Cryogenic Pipe Coverings	2/6/2022
Ship Quick Disconnect	11/24/2021
Remove Scaffolding and Construction Equipment	1/25/2023
Shielding on Tower	COMPLETE
Water Deluge	
BOOSTER	9
800 Booster Construction	10/30/2022
Booster Cryogenic Proof Test with Thrust Simulation (Puck Shucker x13)	12/22/2022
00 Add Grid Fins (4 of 4)	10/11/2022
Install Raptor Engines	7/20/2023
Transport to Launch Site	7/20/2023
Transfer to Orbital Launch Table (OLT)	7/20/2023
00 Wet Dress Rehearsal	7/20/2023
Booster Aerocovers	7/20/2023
Engine Protection	1/20/2023
Static Fire (31 of 33)	8/25/2023
STARSHIP	25
Ship Construction	9/21/2022
Cryogenic Proof Test	11/2/2022
Transfer to Test Stand A	10/10/2022
Cryogenic Proof Test with Thrust Simulation (Puck Shucker)	11/8/2022
Return to Build Site	11/9/2022
00 Install Engines	1/17/2023
Ship Finish Work / Fine Tuning / Raceway Covers	8/22/2023
Rollout to Launch Site	1/17/2023
Install Thermal Protection System (Hex Tiles)	1/17/2023
Wet Dress Rehearsal	1/23/2023
Static Fire (All)	6/26/2023
Transport to Orbital Launch Table	8/31/2023
Remove Lifting Points, Replace Tiles on Nosecone	8/30/2023
FULL STACK	25/9
Stack Starship on top of Booster using Chopsticks	8/23/2023
Integration Testing	
10 Wet dress rehearsal	

	OFTO
APPROVALS	OFT2
FCC Radio Communications Approval	8/14/2023
County Approvals	
FAA Programmatic Environmental Assessment	9/8/2023
FAA Launch License	Pending Imminent Approval (63 items TBD)
Temporary Flight Restriction (TFR via NOTAM)	Posted and Cancelled
Coastal Restrictions (MSIB via Coast Guard) NOTMAR	Posted and Cancelled
LAUNCH DAY	
Flight Termination System (FTS)	Not Installed - Destack likely
Road Closures / Beach Closures	
Venting From the Fuel Farm	
Flight Termination System (FTS) Armed	
Venting from the tower	
Venting from the Booster and Ship	
Frost Lines forming	
LOX Pouring from Launch Table	
SpaceX Livestream	
FireX Fire Suppresion System	
Launch!	

Finding ID	Air Quality	Status Ongoing	Text Action 1. Periodic water spraying to control particulates and flugitive dust.	https://www.fea.gov/sites/fea.gov/files/2022-08/202208139/20SpaceXVL20Statchipt/s20Spacet/20Heavy/s20att/20Bocat/s20Chica_FONS_RODN/20Final.pdf
2	Air Quality	Ongoing	Best Management Practices (BMPs) such as minimal idling of engines, watering of soils to be disturbed, and use of low volatility coatings.	Status COUNTA of Status
3	Air Quality	Ongoing	 Compliance with Texas Commission on Environmental Quality's (TCEQ) authorization under the Oil and Gas Standard Permit, including adherence to any permit conditions. 	Complete 4 FONSI Status
4	Climate	NA		Contingent 32
			Nortic. The FAA would ensure that SpacoX uses its notification plan to educate the public and announce when a learnth or learning event would cocur. Amountements of upcoming Starthip/Singer Heavy illustrates and learnings would serve to warm popule about here notice events and would silvely here produce than 11% abovement entering to the control events. The plan would involve issuing statements to need outside which produce the efficiency on that when notice is have, the public would undertained with this obscious of this approach is consistent with the public reflication of efficiency and public would undertained with this obscious of this approach is consistent with the public reflication offsts conducted by SpacoX.	
			The plan would involve issuing statements to news outlets and law enforcement so that when noise is heard, the public would understand what has occurred. This approach is consistent with the public notification efforts conducted by SpaceX	Contingent
5	Noise and Noise-Compatible Land Use	Ongoing	at Cape Canaveral Space Force Station and Vandenberg Space Force Base. While the overall impact of sonic booms would not be significant, SpaceX's advance public notice would help reduce human adverse reactions. SpaceX would be	Incomplete
			rectar of statement with rate occurred. The appealant not consistent with an ignoral rectard relation of the control statement with a control of society of the control statement of the control of society of the control of the contr	ä NA
			Probable Loss," which is determined on a liaunch-by-launch basis by the FAA and is up to \$500,000,000 per launch. In the event that structural damage results from noise-induced vibrations or soric booms, any such claims of damage would be subject to the insurance polycy terms and process specified by the Commercial Space Launch Act and FAA	Orgoing
				Incomplete 5 Unknown
			Applications and of baseds that justifies a few particular purposes are femiled to the minimum number and configuration requests to achieve their functions are sent to the property of safety or security purposes are femiled to the minimum number and configuration requests to achieve their functions are sent to the property of the property of the sent to the sent minimum terms of the sent property of the sent to the sent to the sent of	
	Visual Effects		required to achieve their functional roles. b. Minimization measures include directing, shielding, or positioning lighting to avoid visibility from the beach, minimize	COUNTA of Status 100 120 140
6	Visual Effects	Ongoing	lateral light spread, and decrease upogithing, turning off lights when not needed, using low-pressure sodium to the extent practicable; installing lighting with multiple levels of control (i.e., some, all, or none of the lights can be turned only; and installing lighting lighting without processing and	
			installing spring mines where appropriate. C. SpaceX will issue annual notices to all complex personnel prior to sea turble nesting season reminding personnel of light use requirements and responsibilities.	NA 1
7	Visual Effects	Ongoing	a. to minimize granting impacts to seal curries, specially will include a lighting. This increasing will be conducted to verify SpaceX's compliance with the SpaceX Bosa Chica Launch Site Lighting Management Plan. h A nualified historist will conduct lighting inspections to eliminate unner-research lighting heaten page.	
			2. Monitoring Launch Site Lighting in parts to sea furties. SpaceX will monitor its lighting. This monitoring will be conducted to verify SpaceX: compliance with the SpaceX Social Chical Launch Site Lighting Management Plan. In A qualified biologist will conduct lighting mapped too destinating summerceasing lighting before residing season and weekly control of the impaction to diministude microcarries grinted patter residing shadon shadon in the pattern of the inspections to the PAA.	Ongoing 60
8	Historical, Architectural, Archeological, and Cultural Resources	Complete	Installing all stilling hiss between the LLCC and VLA underground to avoid visual effects to the NE. Preparing a installing class the proof, is abstraction ranked by the historic versalling and activities or the Mexican War (1846—1846) and the Civit War (1861—1865) that bode place in the geographic area associated with and including the Association of Controlled Entert, (APE).	Unknown 13
9	Historical, Architectural, Archeological, and Cultural Resources	Unknown	 Preparing a historical context report (i.e., historical narrative) of the historic events and activities of the Mexican War (1846–1849) and the Civil War (1881–1885) that took place in the geographic area associated with and including the 	Grand Total 115
10	Historical, Architectural, Archeological, and Cultural Resources	Unknown	Asia of Potential Effects (APE). 3. Funding the development and production of five interpretive signs (in English and Spanish) that describe the history and significance of the historic properties in the APE.	Grand 106a 115
- 11	Historical, Architectural, Archeological, and Cultural Resources	Unknown	4. Funding educational outreach (i.e., webpage content for agency websites, informative videos) to the public about the	
			regions cultural heritage. 5. Documenting the landscape of the Palmilo Ranch Battlefield following the Level I Historic American Landscapes Survey standards and guidelines for nationally significant properties. acts, delivery) staffic.	
12	Historical, Architectural, Archeological, and Cultural Resources	Unknown	Survey standards and guidelines for nationally significant properties. ater, delivery) traffic.	
13	Historical, Architectural, Archeological, and Cultural Resources Historical, Architectural, Archeological, and Cultural Resources	Ongoing	Implementing measures to reduce noise levels generated by construction equipment. Implementing measures to minimize noise from truck (construction, tanker, concrete, water, delivery) traffic	
		Crigary	Conducting a vibration monitoring program to gather data on the effects of launches on the Palmeto Plings Historical	
15	Historical, Architectural, Archeological, and Cultural Resources	Ongoing	8. Conducting a vibration monitoring program to gather data on the effects of launches on the Palmeth Pilings Historical Marker, Palmeth Pilings, Post Isabell, Lighthouse, and at the 2, 2, 3, and 8-mile distances from the VLA. The program will also include a shruchural assessment from vibration data to assess any impacts and address any structural damage given any impact from launch operations.	
16	Historical, Architectural, Archeological, and Cultural Resources	Incomplete	any impact from launch operations 9. Replicating and installing the missing stars and wreaths on the Palmetto Pilings Historical Marker.	
17	Historical, Architectural, Archeological, and Cultural Resources	Unknown	 Replicating and installing the missing stars and weaths on the Paliment Pilipps Historical Marker. Maintaining access restriction to the rare west of the residing U.S. Coutons and Blosser Protection checkpoint at a location assist of where SH 119 crosses SH 4 and west of where an unnamed morth-south canal crosses SH 4, as generally deplaced in PEA. Appeared, to in brudde 	
				Casegory COUNTA of Casegor
18	Historical, Architectural, Archeological, and Cultural Resources	Contingent	11. Placing temporary construction barriers around the Palmetto Pilinos Historical Marker during construction.	Air Quality 3
19	Historical, Architectural, Archeological, and Cultural Resources	Contingent	12. If an anomaly affects a function property, Season X will him a qualified professional for make recommendations for restraction of the function property A function the source and professional for the interior's Standards for the restraction of the function of Standards for the Treatment of Historic Properties. The proposed restruction will be subject to the review process described in PA Siguistion V. Upon review and approving Speach will him a qualified prefessional restricts the restrict property.	
			Stipulation V. Upon review and approval, SpaceX will hire qualified professional to restore the historic property. 13 In addition, an I learning the Companies Plan will be expected to outline the expected to the control of the expected to th	Biological Resou 52
20	Historical, Architectural, Archeological, and Cultural Resources	Contingent	13. In addition, an Unanticipated Discoveries Plan will be prepared to outline the processes to be followed when previously unknown cultural resources or human remains are discovered during construction or operation of the Proposed Action.	Climate 1
21	Department of Transportation	Ongoing	SpaceX would restore the SH 4 ROW to pre-disturbance conditions after installation of utilities.	Candate 1 Department of Tri 15
22	Department of Transportation	Contingent	In the event of an anomaly, SpaceX would notify TPWD, TGLO, and/or USFWS, as applicable, per the procedure outlined in SpaceX's Anomaly Response Plan.	Hazandous Mater 12
23	Department of Transportation	Contingent	3. Following an anomaly, SpaceX would release the access restriction area west of the "All Hard Checkpoint" to allow visitors to continue to access the NHL and NNR white anomaly-response actions are taken. SpaceX would keep the "All Hard Checkpoint" in place to protect public safety and implement the measures unlined in the Anomaly Response Plan.	
24	Department of Transportation	Contingent	Hard Chackpoint* in place to protect public safety and implement the measures outlined in its Anomaly Response Plan. 4. SpaceX or a qualified contractor would conduct debris removal in accontance with a method as determined by TPWD and agreed to by SpaceX.	Historical, Archite 13
24		yen	and agreed to by SpaceX. 5. Restoration measures regarding any adverse impacts to landforms include monitoring disturbed areas for spread of	Land Use 2
25	Department of Transportation	Contingent	5. Restoration measures regarding any adverse impacts to branfform include monitoring disturbed areas for spread of non-radiev explation and removal open discorvey, sympaching seath found boostly from preferring gastes species, and registering disturbed land to its pre-existing condition. Alternative restoration approaches may be considered as determined by TPMO and agreed by 50 pacesX.	
			Restoration actions with respect to algal flats include grooming of tracks with the use of hand tools and ambient soils to	Noise and Noise 1
26	Department of Transportation	Ongoing	prevent further impacts, removing fill, establishing the proper slope 21 within the tidal range, and inoculating the soils with a mixture of the dominant algal species, or any other approach as determined by TPWD and agreed to by SpaceX.	Visual Effects 2
			state, dated May 11, 2002, which include the blowing. S pirt complishes with all terms and conditions of the MOA executed Suppermer 2, 2021, between IPPOD and Spaced. 2021, between IPPOD and Spaced. And State of the State o	
			 Completion and maintenance of bollard-and-cable traffic control fencing along SH 4 demarcating the boundaries of TPWD lands. SpaceX at its sole cost will survey the SH 4 	
			considering the Boundaries of Info. United Supports at a loss codi will survey the 9xt 4 boundary at well less these to on three pages in the western period on the time cody as the boundary and well less than the property tenders of the second section of the second section of the recorded in the real property tenders of Cameron Courty, Signings will be placed at each gap with contact information for leightimal benefits and property tenders to gain a cessor to be their property, c. Speack, Will take all necessary measures to make TMVD -sende stands at Bloos. Checa accessable to researches and all TMVD and cessor USMVB -authorized personnel at all times and the senders and the senders are senders and the senders and the senders are senders and the senders are senders and the senders are senders and the senders and the senders are senders and senders are senders as the senders are	
			gap with contact information for legitimate landowners to gain access to their property. Shoot Will take all property records to make TRIND council lands at Boso Chica	
			c. Specific will also an inclusionary management of make 17-WO-cowned lands as bota Critical accessible to researchers and all TPWD and/or USFWS-authorized personnel at all times accessible to researchers and all TPWD and/or USFWS-authorized personnel at all times	
27	Department of Transportation	Unknown	except during ignition events. d. SpaceX will cover the cost of a contract with TPWD and/or Texas A&M Corpus Christif Texas A&M system in develop space(in notinonis for text restreation of immarts.	
			Christif Resian A&M system to develop specific protocols for text restoration of impacts to installing false a Booc Chica resulting from the SM11 among within 30 days of presentation of such a contract. This accept of the contract will include the cost of a presentation of such as contract. This accept of the contract will include the cost of a state of a state of the contract will include the cost of a state of a state of the contract will include the cost of a state of the state	
			principal investigator, one or two graduate students and all related equipment, materials, overhead, administrative, and publication costs.	
			In the event Recease ARM University is unable to provide the services outlined above, TFWO staff will work in good talk to deterily another academic institution or similarly qualified third party to undertake the proposed project and will keep SpaceC staff	
			qualified third party to undertake the proposed project and will keep SpaceX staff apprised of its progress.	
			apprised of the progress. (f. During the first processors) as secommended by and following the study. (f. During the first processors) assessor as secommended by and following the study (f. During the first processors) and following the second first processors are second for the second first processor of the second first processor of the second first processor of study second first processor of the second first processor of study second first processor of second first processors of second fi	
			study, covering a minimum of five net access of tidalitidal flats affected by the impacts of the control for the control flat flat flat flat flat flat flat fla	
			debris and debris retrieval following the SN11 anomaly. SpaceX will work cooperatively with TPWD to designate the specific footprint of the test restoration. 8. SpaceX would issue notifications note to a relational anneas restriction and in anomalous with its Anneas Restriction.	Water Resources 14
			The control of the co	
20	Department of Transportation	Ongoing	proposed access restriction would be posted on Cameron County's website. b. Sending access restriction notifications to the regulatory and public land-managing agencies as plans finalize (typically 48 hours prior to the access restriction). The	
	Department of Hamponason	Crigary	agencies would continue to receive updates immediately when the access restrictions go into place and when the access restrictions end, as well as cancellations of requested access restrictions. SpaceX personnel at the LLCC would send	
			these notincators to ensure the most up-to-date information is distributed, 23 c. Sending real time status and updates on access restrictions through a text message alert service. Subscribers can text "BEACH" TO 1-886-513-3475 to receive	
			upsains. 9. SpaceX would implement the following measures to limit access restrictions: a. No SH 4 access restrictions on the following holidays: Memorial Day, Labor Day, July 4th, Martin Luther King Jr. Day, Presidents' Day, Taxas Independence	Uratio 10sa 110
			following holidays: Memorial Day, Labor Day, July 4th, Martin Luther King Jr. Day, Presidents' Day, Texas Independence Day, Cesar Chavez Day, Emancipation Day in Texas (also referred to as Juneteenth), Veteran's Day, Good Friday,	
			Essent, Fainte's Lay, Mother's Day, Interfedighting Day, Criterinas Day, New Year's Day (Holladys), 1. Where any of the Holladys falls annually on a Monday or Friday, no Weekend Access Restrictions, as defined in 9.4 below, shall be something. If Where you of the Molifichus does not fell neverther on Monday or Friday, but falls on a Monday or Friday in a	
			particular year, no Weekend Access Restrictions, as defined in 9.d, shall be permitted for that year. Iii. For Thanksgiving, no access restrictions shall be permitted from Thanksgiving Day through the Sunday immediately following Thanksgiving.	
			 Except as provided in 9.d, from Memorial Day to Labor Day (the times of greatest visitor beach uses and enjoyment), no Weekend Access Restrictions from Friday at 6:00 a.m. through Sunday. Road access restrictions for any SpaceX 	
29	Department of Transportation	Ongoing	following beliating Memoral Day, Judy Mill Maller Lutter (Folly J. Day Procedent Day The Dass Integrations Conf., Class Charles Visit Remission Day 19 Am 20 and 19 Am 20 Am 2	
			Labor Day: c. Except as provided in 9.d, from the day after Labor Day to the day before Memorial Day (throughout the winter months), no Weekend Access Restrictions on Saturday or Sunday; d. When a SpaceX activity requires at least one	
			from the day after Labor Day to the day before Memorial Day, it is considered a "Weekend Access Restriction" i. SpaceX	
			from the day after Labor Day to the day before Memorial Day, it is considered a "Western Access Relation". I. SpeciX may recepted in Western Access Restriction up to the tems per contained year. 24. E. et am glid 41 coal actions searches, SpeciX will request at itself 44 hours prior to the start of the access relations period, that the Cameron mirrorm 44. Denote to receive improvious to the received mirror and access relations period, that the Cameron mirrorm 44. Denote to receive improvious to the received mirror and, yet registed the Western Access Relations shall	
			minimum 48-hour notice to reduce impacts to the recreational users. Any requested Weekend Access Restriction shall count toward the total five annual Weekend Access Restrictions unless cancellation of the Weekend Access Restriction is	
			count toward the total five annual Weekend Access Restrictions unless cancellation of the Weekend Access Restriction is publicated more than 24 hours prior to the start of the requisited access restriction period. f. Exception to the above is for activities deemed to be anomalies per FAA regulations	
30	Department of Transportation	Ongoing	 SpaceX would implement measures identified in the Section 108 PA (see the list of measures below under Historical. 	
31	Department of Transportation	Contingent	Actinicative, Archeological, and Cuttural resources) 11. SpaceX vocid implement in lighting miligation measures from PEA Section 3.6.5 (see the list of measures below under Visual Effects (including Light Emissions).	
32	Department of Transportation	Ongoing	 SpaceX would implement the insurance requirements noted in PEA Section 3.5.5, which require that SpaceX pay for any structural damage that may occur, thereby ensuring restoration and reducing the impact to a Section 4(f) resource 	
			(see below under Noise and Noise-Compatible Land Use). 13. SpaceX would collaborate with TPWD and USEWS to meet USEWS fishing chiertises for the region. To accomplish	
33	Department of Transportation	Ongoing	this goals spikker would. It is broken improved, entrained, or nine access for fathing apportunities in the cust of Mexico. For Cashad, Biomander Biologica Charmal, in ord South Biologica Charle provide S.D.O. annually to enhance his for the Cashad, Biomander Biologica Charmal, in ord South Biologica Charle provide S.D.O. annually to enhance his books with model, sinters, and coloders (for rise at estation), benefit with earlier allow the program the separat to horse with model, sinters, and coloders (for rise at estation), benefit sides rise for allowing the program to expend to the recommendation of the program to expend to the program of the program to expend to the recommendation of the program to the program of the program of the program to expend to the program of the pr	
			new locations. b. Participate in fishing introduction and instruction opportunities on-site. SpaceX will provide the opportunity for Fishing's Future representatives to participate in the monthly beach cleanups and teach environmental	
			stewardship and increase awareness for the protection, conservation, and restoration of aquatic natural resources. 14. SpaceX would collaborate with USFWS to meet wildlife observation, interpretation, and photography objectives for the	
			1.4. Spack vesids collaborate with USFWS to meet wistlife observation, interpretation, and principality objectives for the areas as well as the Pulpriorities. To accompisally the goal Spack would a Conceitance with the USFACE, TADICT and USFAVE to explore the feasibility of constructing one safe pull off along 91.4, asset of the first public hard chickepoint, or other roads adjunction to the NWR. At this location, which will be determined by USFWS in coordination with SpaceX,	
			SpacoX will construct a wildlife viewing platform and associated signage; the signage will address the resident wildlife, NHL, and the SpacoX taunch size, b. Provide enhanced satellite monitoring via solar present stravinis for remote wildlife.	
34	Department of Transportation	Incomplete	Space Visit construct a widelit viewing stations and associated sprage, the sprage will address the resident widelite, NHL, and the Space Manuface III, and the Space Visit of the Spac	
			will provide the opportunity for widtling photographers to instruct the public duling the monthly beach inclaiming and/or provide widtling hotography information and instructions at the widtline viewing platform. A provide improvements to the site interpretate message system along the SH 4 contrider east of the first public hand checkpoint. Locations and sign	
			site interpretive message system along the SH 4 constor east of the first public hard checkpoint. Localisms and sign content will be determined by USPNS, in coordination with Spacox. Improvements will also entent NHL interpretation. a Participate in public event(s), such as the Coastal Expo, that focus on joint Spacox. TPVMD, USPNS, and NPS mission currench. Spacox will participate in one event annually.	
			15. SpaceX would collaborate with USFWS to meet environmental education objectives. To accomplish this goal, SpaceX will provide onsite Science, Technology, Engineering, and Math based learning opportunities. SpaceX will host regular site tours and one annual educational	
96	Department of Transportation	Unknown	based learning opportunities. SpaceX will host regular site tours and one annual educational event for students in the Brownshile Independent School Clastrict. On the site buss, SpaceX will educate the students on the sensitive resources and habitat surrounding the SpaceX facilities. SpaceX would coordinate with the USFWS on the information to be shared relevant to the	
30		J. C.	SpaceX would coordinate with the USFWS on the information to be shared relevant to the sensitive resources and habitat surrounding the SpaceX facilities. At the annual educational	
			sensitive resources and habitat surrounding the SpaceX facilities. At the annual educational event, SpaceX will invite USPNS, TPMD, and NPS to speak to the importance of studying the Life and Physical Sciences.	
36	Water Resources (including Wetlands, Floodplains, Surface Waters, and Groundwater)	Ongoing	1. SpaceX would implement its SPCC Plan to minimize the potential for accidental releases of pollutino substances	
37	Water Resources (including Wetlands, Floodplains, Surface Waters, and Groundwater)	Contingent	2. In conjunction with final design and CNM permitting. Spaces would submit a better of these to TCEO for application of the general permit authorization for point source disclarations of stommetric associated with installar already or surface water in the state. Spaces, would develop a SWPPP that would achieve to the permit effluent similations and requirements applicable to the installar already.	
38	Water Resources (including Wetlands, Floodplains, Surface Waters, and Groundwater)		If water treatment or retention is required, SpaceX would contain water in retention ponds. Retention ponds would be lined to prevent percolation of contaminants into the groundwater and would be maintained and monitored by SpaceX.	
39	Water Resources (including Wetlands, Floodplains, Surface Waters, and Groundwater)		 SpaceX would develop appropriate sampling protocols and water quality criteria in coordination with the TCEQ in accordance with Texas Surface Water Quality. 	
40	Water Resources (including Wetlands, Floodplains, Surface Waters, and Groundwater)		 SpaceX would manage any deluge water according to state and local water quality requirements (e.g., pretreatment permits, NPDES permits, etc.). 	
41	Water Resources (including Wetlands, Floodplains, Surface Waters, and Groundwater)	Ongoing	 SpaceX would adhere to proper marine vessel operating procedures and use of appropriate BMPs in the event of a recovery operation discharge or spill. 	
42	Water Resources (including Wetlands, Floodplains, Surface Waters, and Groundwater)	Ongoing	 SpaceX would employ proper design redundancies of commodity storage facilities, containment around all hydrautic systems, safety measures in launch vehicle processes, and soil response and clean-up measures. 	
43	Water Resources (including Wetlands, Floodplains, Surface Waters, and Groundwater)	Contingent	Pursuant CVM Section 404, SpaceX would coordinate with the USACE to develop an appropriate compensatory mitigation plan for unavoidable impacts to wetlands.	
44	Water Resources (including Wetlands, Floodplains, Surface Waters, and Groundwater)		mitigation plan for unia-released intipacts to weatands. 9. SpaceX would coordinate with Cameron County floodplain administrators to obtain a development permit in accordance with the National Flood insurance Plogram as well as county regulations.	
			accordance with the National Flood Insurance Program as well as county regulations. 10. Eclowing an anomaly, SpaceX would release the access restriction area west of the "All Hard Checkpoint" to allow visitors to confinue to access the NHL and NMR white anomaly-response actions are taken. SpaceX would keep the "All	
45	Water Resources (including Wetlands, Floodplains, Surface Waters, and Groundwater)		Hard Checkpoint" in place to protect public safety and implement the measures outlined in its Anomaly Response Plan	
46	Water Resources (including Wetlands, Floodplains, Surface Waters, and Groundwater) Water Resources (including Wetlands, Floodplains, Surface Waters, and Groundwater)		Debris removal would occur by a method as determined by TPWD and agreed to by SpaceX. In the event of an anomaly, SpaceX must obtain a Special Use Permit on an emergency basis from USFWS as	
47	vessur-vessurros (mousing wetlands, Hoodplains, Surface Waters, and Groundwater)	Contingent	12. In the event of an anormaly, SpaceX must obtain a Special Use Permit on an emergency basis from USFWS as applicable, prior to clean-up activities on NWR fee-owned or managed lands. 13. Restoration measures regarding any adverse impacts to landforms include monitoring disturbed areas for spread of	
48	Water Resources (including Wetlands, Floodplains, Surface Waters, and Groundwater)	Contingent	non-native vegetation and removal upon discovery, spreading seeds found locally from preferred grass species, and regrading disturbed land to its pre-existing condition. Alternative restoration approaches may be considered as	
49	Water Resources (including Wetlands, Floodplains, Surface Waters, and Groundwater)	Contingent	14. Restoration actions with respect to algal flats include grooming of tracks with the use of hand tools and ambient soils to prevent further impacts, semoving fill, establishing the proper slope within the Ideal range, and incutating the soils with a michair of the dominant lagal selection, or any other approach as determined by TPMD and agreed to by SpaceX	
			In conjunction with final design and CWA permitting, SpaceX will update its SWPPP to address the additional facilities processed for the site and ensure compliance with its TCFO stormwater name? The undersort will be compliance with the CVFO.	
			1. In conjunction with final design and CNM permitting, StancaX will epotate its SWPPP to advise the additional facilities proposed for the abundance with its ICEO advisorable primer. The updates will be completed before constitution begins under the Proposed Action. The SWPPP identifies MBMPs for revision and sedimentation controls, including bethings to official and other who while office and investigate the other and sold on the velocity of stormagnets in fortices and sold to load and	
50	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	sedimentation) to water quality during construction. All permitted construction activities with the potential to impact water quality from potential runoff from the site will be conducted in accordance with the stormwater permit, including measures	
			seafferentiation) is water quality during contraction. All permitted construction activities with the potential to impact water quality from potential and office the last will be conducted in consciount on with the solumeter permit, including measures identified in the SWPPP. Separative will provide a copy of the SWPPP for parmitted construction activities under the Proposed of Congress to the SWPPP on a pitch with the SWPP on a pitch will be active control and will provide the SWPPP on a pitch will written inclose of congress to the SWPPP on a pitch will be active control and provide the SWPPP on a pitch will be active control and the provide the SWPPP on a pitch will be active control and pitch will be a	
			an appearance of the settle of the sequenting seems.	

E: 1: 10	Category	Status		Action								
Finding ID	Category	Status	2 Drive to entry into an exit from unproved more of the M A Special will ensure that he have equipment (i.e. unbidge and	Action	https://ww	vw faa.gov/sites/faa.gov/files/2022-06/202200	13%20SpaceX%20Stars	ip%20Super%20Heavy	620at%20Boca%20	Chica_FONSI_RO	2%20Final.pdf	
51	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	machinely that are larger than a hypical passenger tool) and vehicles to the maximum extent possible traverse over a conclusion shake or make plains or not belong colorable at the VLA or remove any sediment and off to proposed preventing the influence and separated from native plant species. Speack would ringed the explanate to ensure that hydraulic fitting are light, hydraulic houses are in good condition (and replaced if damaged), and these are no particioum least. Speack will document the locations) of the 25 construction shakes or runther plasts installed at the VLA in its									
52	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	3. SpaceX will implement a SPCC Plan. SpaceX will provide a copy of the SPCC Plan for permitted construction activity under the Proposed Action to the FAA and USFWS before such construction begins and will provide the USFWS and FAA with written notice of updates to the SPCC Plan on a quarterly beginning.									
			FAA with written notice of updates to the SPCC Plan on a quarterly basis 4. SpaceX will not place excavated or fill material in delineated CWA Section 404 waters of the United States except as									
53	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	4. SpaceX, will not place excavated or fill material in delineated CWA Section 404 waters of the United States except as authorized by a permit from the USACE. SpaceX will ensure that discharged water associated with concrete mixing an experiment activities does not reach an exempting water bottle or pods unless specifically authorized in a Department of Army permit. SpaceX will provide to the USACE witten notice documenting complication of the activity authorized or activity authorized section 404 of the CVAC compliance with all associated terms and conditions, and implementation or days required.									
			The parties of the pa									
			5. SpaceX will continue contracting a qualified biologist to conduct pre-, during, and post- construction biological									
54	Biological Resources (including Fish, Wildlife, and Plants)	Unknown	monitoring (vegetation and birds). This monitoring is ongoing and will continue to be conducted within 3 miles of construction areas. Monitoring reports will continue to be sent to the USFWS annually									
55	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	 SpaceX will limit vehicle operation to existing paved and unpaved roads, parking areas, and authorized construction sites. Vehicle operators within the VLA will not exceed 25 miles per hour. Special Vehicle operators within the VLA will not exceed 25 miles per hour. 									
56	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	7. SpacaX would incorporate raptor protection measures into project design and any above- ground utility upgrades. For example, SpaceX would equip structures with devices to discourage nest building and perching (e.g., monopole technology and visual lifeting devices).									
57	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	SpaceX will initiate coordination with the USFNS within 60 days of the start of construction under the Proposed Action to identify practication opportunities to protect, restore, earlier or enhance habitor for the occiet, Spacex, and or not less thank to confishe coordination with the USFNS to complete one or more habitat protection, earlier and knot. SpaceX intends to confishe coordination with the USFNS to complete one or more habitat protection, restoration, or enhancement projects to benefit the case and the britis and confished to the conservation of these species.									
58	Biological Resources (including Fish, Wildlife, and Plants)	Incomplete	the feasibility of constructing widtlife crossings along SH 4 west of the first public hard checkpoint to burself the coaled and juguarusti. If a widtlife crossing is deemed feasible by each of the coordinating parties, perhaps regulatory or other approvals from applicable agencies, SpacoX will fund the construction on one wildlife crossing west of the first public hard checkpoint within 1 year of the multipul determination of feasibility.									
			approvals norm approach agencies, operative in runs are consistent on one wrome crossing was on the instruction checkpoint within 1 year of the mutual determination of feasibility. 10. Sharest will make an annual contribution of 55 ft00 to the Friends of Lanuna Masterinsa Matinial Wildlife Refune									
59	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	10. Speack will make an amusal contribution of \$5,000 to the Friends of Leguna Nascona National Widdle Refuge Adopt-an-Occled Program within Smorthed of the issuance of the BD and by Maris 1 of each year hereisafter for the curation of the BD. Funds dismitted to the program are intended to pay for a. Wridtle guzzles to Camera teapings sets on the program of the BD. Funds dismitted to the colored in Programs tangelies make dishe belongs to mortero cooled dispersal, behavior and hallotte needs									
			Special events to rise awareness about the ocesor of important supplies that allow biologist to monitor ocesor dispersal, behavior and habitat needs. 11. Share's will make an annual contribution of \$5.000 to the Perentine Fund within 3 months of the issuance of the BO.									
60	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	Opening in the fact of the selection of the selection of \$5.000 to the program of the selection of the selection of \$5.000 to the program of the selection of \$5.000 to the selection of the selectio									
			secons are observed in a time location attribles because if the Proposed Action occur during the avian breeding season (Fethulary 15 through August 31) is ablogical with search the proposed leaded on controlled residents, including laydown steas, for through August 31, and biological with search the proposed leader and controlled residents, including laydown steas, for through August 31, and and activity, including the operation of vehicles, exceptionally or tools, within 50 meters (164 feet) of the next will be avised until the biological determines the next in to longer in sue. Special will make the achieve controlled proposed makes the side of the seat will be avised until the biological determines the next in to longer in sue. Special will make the achieve can be offered to the next will be avised until the biological determines the next in to longer in sue.									
			nests (in strutus and on the ground) one time no more than two days before the start of construction within the surveyed area. If the biologist finds an active nest, construction workers and activity, including the operation of vehicles, equipment,									
61	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	or soos, within 50 meters (164 test) of the nest will be avioled until the boogst determines the nest is no longer in use. SpaceX will mark the avoidance zone with flagging, fencing, or similar signage within 24 hours of detecting the nest and will inspect the marking daily, requiring or replacing as needed, to ensure that it remains intact and wisble through the									
			will inspect the marking daily, repairing or replacing as needed, to ensure that it remains intact and visible through the duration of the needing survively. Sepace will document inspections and provide a summary of inspections and avoidance actions to the FAA and USPVD with the annual replacement of the FAA and USPVD with the annual replacement.									
62	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	13. SpaceX will operate an employee shuttle between Brownsville and the project site and between parking areas at LLCC and the VLA to reduce the number of project-related vehicles traveling to and from the project site. SpaceX will encourance remisuses to use the shuttle by remisition information on shuttle operation in one him other parkings.									
	, , , , , , , , , , , , , , , , , , , ,		LLCC and the VLA for reduce the number of project-related vehicles traveling to and from the project side. SpaceX will encourage employees to use the sharitle by provising information on sharitle operation in new thrie conbassing materials, routine staff communications (such as staff meetings), and in contractor environmental trainings. SpaceX will mendate use of the shufflet as practicable.									
			14. SpaceX will update its Lighting Management Plan to account for Starship/Super Heavy launches and related infrastructure that is the subject of the Proposed Action. These updates will be completed at least 30 days before the beginning from this period appropriate proper that starts on March 15 edges have Cognitived with position of country and or the period of the first period of the Proposed Action.									
			use of the whole as practicable. 14. Reported with gas of the September of Park to account for Standardshoper Heavy saunches and related to the September of Park to account for Standardshoper Heavy saunches and related to the September of Park to September of									
40	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	year urner muonse and minimize the insensood of table crawls and disoriented hatchlings. Upon agreement with the USFWS and TPWD, SpaceX will implement the updated Lighting Management Plan. At a minimum, the plan will include: a. Directing, shielding, or positioning facility lighting to avoid or minimize viability from the baach, minimize lateral light.									
63		ungung	spread, and minimize uplighting without compromising safety and security of personnel. b. Turning off lights when not needed to maintain a safe and secure facility. c. Using low pressure sedum lights, to the extent practicable, during sea human persons are secured to the second lights with the second lights and the second lights are second lights and the second lights and the second lights are second lights.									
			protection and safety of SpaceX personnel for ground support operations performed 24/7 throughout the year and the use of bright spotlighting during nightlime launch activities. d. Installing new lighting with multiple levels of control (i.e., some,									
			is not essential to safety or security of personnel, installing timers to switch lights off in the evening. Where applicable and not a threat to security, installing motion-detector switches.									
64	Biological Resources (including Fish, Wildlife, and Plants)	Unknown	15. SpaceX will continue contracting a qualified biologist to conduct pre- and post-launch biological monitoring (vegetation and birds). Monitoring will be conducted within 1 mile of the VLA up to a week before a Starship or Super Heavy Jaunch and the day after the islanch. Monitoring reports will be sent to the LSPVS within two weeks Soliveing									
65	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	16. SpaceX will continue to collaborate with Sea Turtle, Inc. by supplying and storing field equipment and to provide sea turtle survey data within the action area to the USFWS annually. This measure supports activities that reduce the liskelhood of death or illegy to individual sea turtler.									
			nationates of Other in relays of internations are surrow. 17. Upon USFV site Speaked, agreement of locations adopted SH 4 or other internities roads when the bopter is a "17. Upon USFV site Speaked agreement of locations internit analysis of the present tools or 70°F the method per buffer. The amount needed in any given part will be determined by WMS staff and is not to occupe SH 0.000 smaller, Speaked will install the behames and USFVS staff and professing meaning analysis. See the state of the staff and is not to occupe SH 0.000 smaller, Speaked will install the behames and USFVS staff and professing earlier participations and repairs of the starter. Funds will be issued within 3 months from the issuence of the 80°, and by March 1 of each year althoughts for the duration of the 80°. As a staff of each part althoughts for the outside of the SH 0.000 staff of each part althoughts for the outside of the SH 0.000 staff of each part althoughts for the outside of each participation of the SH 0.000 staff of each part althoughts for the outside of each participation									
66	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	will install the barriers and USPMS staff will perform general maintenance on repairs of the socied \$10,000 admissly. SpaceX will install the barriers and USPMS staff will perform general maintenance are repairs of the barriers. Funds will be issued within 3 months from the issuance of the BO, and by March 1 of each year afterwards for the duration of the BO.									
67	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	SpaceX will be responsible for replacing or restoring damaged barriers caused by SpaceX personnel or an anomaly. 18. In coordination with NVR staff, SpaceX will develop a protocol (e.g., Access Restriction Notification Plan) providing as much advance notice as practicable to minimize disruption to refuge and land management activities.									
68	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	as much advance notice as practicable to minimize disruption to reruge and tand management activities. 20. SpaceX would implement any applicable avoidance or minimization measures included in the NMFS Letter of Concurrence when operating in the marine environment.									
			21. Spaced will develop educational training manistrate and submit to the USFNIG for approval. Once approved, Spaced, well develop educational training smallerate and submit to the USFNIG for approval. Ever approved, Spaced will develop during the procession and submit to the start of construction activises that will include the following topics: spaceiss identification, instruction on implementing the conservation measure, information regardering missimum for the conservation measure. Information regardering									
69	Biological Resources (including Fish, Wildlife, and Plants)	Unknown	to the start of construction activities that will include the following topics: species identification, instruction on implementing the conservation measures described in the BO, wildfire prevention measures, information regarding produces in provide a work or previousment to early handling and interest of hospital works provide interest interest of the order handling and interest of hospital provide works.									
	broogs resource (resource) and remain	Unicidani	impaintening this conservation instaurus obscillation in the ICV, without prevention missaurus, information regarding miniorisos of missaurus enests, requirements in see the handing and obspicated inhazactions wises, propor disposal cell filter and garbage, and the employee sharles. Spaced, will also provide 3.2 this environmental worker education briefing on an original bask but if we hister of on-its and and contractors before sharling on-the work and will offer reflective briefings to all on-alle shaff and contractors on an annual basis. SpaceX will document completion of these educational briefings in its annual report the USPMS.									
			to all on-site staff and contractors on an annual basis. SpaceX will document completion of these educational briefings in its annual report to the USFVIX. 22. If an anomaly occurs, prior to taking action to recover debris on land outside the VLA, SpaceX will notify the									
70	Biological Resources (including Fish, Wildlife, and Plants)	Contingent	appropriate emergency personnel, land-managing agencies, and water regulatory authorities, as required. In addition, SpacoX, will comply with the terms of the MOA between TPWD and SpacoX, including coordinating with TPWD and the									
			appropriate emergency personnel, land-managing agencies, and water regulatory authorities, as required. In addition, Speace, will comply with the terms of the MIA between IPVID and Speace, it licensing coordinating with TPVID and the USFNVS prior to detrie removal and clean-up and consulting with TPVID and/or the USFNVS prior to any anomaly- response activity but may impact sendeline widdlin habitation.									
71	Biological Resources (including Fish, Wildlife, and Plants)	Contingent	23. In the event of an anomaly that creates debris on NWR fee-owned or managed lands, SpaceX would be required to obtain a Special Use Permit on an emergency basis from the USFWS, as applicable, for clean-up activities.									
72	Biological Resources (including Fish, Wildlife, and Plants)	Contingent	24. If an anomaly occurs, SpaceX will compty with its Anomaly Response Plan, Security Plan, and Fire Mitigation and Response Plan, as applicable. 25. Prior to an in-water work (i.e., debris recovery or sinking). SpaceX will ensure all ballast and vessel hulls do not cose									
73	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	35. Prior to any in-water work £e. detries recovery or elektry). Speach will ensure all holister and vescel helid do not pose a risk of irrinducting new invasive species and that projects irreplementation will not increase abundance of invasive species present at the project site. Speach x will saidtize any equipment that has been previously used in an area known to contain invasive species prior to be sure for project activities.									
74	Biological Resources (including Fish, Wildlife, and Plants)	Contingent	contain invasive species prior to a case our project activities. 28. The FAM will coordinate with NMFS in the case of a launch failure and any vessel grounding to determine if consultation re-initiation is appropriate									
75	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	 The FAA will ensure that any license or permit to SpaceX related to the Proposed Action will include a condition that SpaceX implement all of the terms and conditions of the BO 									
			28. SpaceX will implement the conservation measures, many of which include related monitoring and reporting measures,									
76	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	briefings, and other conservation measures and 33 vibunitary others. These measures minimize nabital modification, which can cause take via harm, for the coelot, jaguarundi, northern aplicimado falcon, piping plover, red knot, and/or sea turiles. These conservation measures require implementation, with updates as described, of certain facility and									
			described in the Proposed Action that address aspects of construction, operation, anomaly response, described in heritoging, and office necessary anomalogues and 50 selecting offices. These measures meritoring health model and heritoging control of the properties properties of t									
77	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	39. Speach will constant quantitiely SH 4 clean-up efforts east of the first public head checkpoint to reduce parhage and liter along the root. The clean-up efforts will take place with the SH 4 right of-vary Speach will keep all withcles used to support cleanups on designated roadways. Speach will report the cleanups in the annual monitoring report submitted to the USPMS. This measure minimizes the severity of habitant modications (i.e., the presence of little or or									
			garbage) that may attract animate that proy on or compete with northern epionado fations, piping plovers, not knoor, or see autrest. This measure sale beneficial scotless and injustancials by minimizing the littlefitod or severity of increased prey concentrations along SH4 that could lead to increased vehicle collision mortality. 8.0 Special Well ensure that staff and contractions piace non-hazardiscus waste materials, little, and other discarded									
			30. SpaceX will ensure that staff and contractors place non-hazardous waste materials, litter, and other discarded materials, such as construction waste, on the VI A in containers until command from the site. All trash containers will have									
78	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	materials, such as construction weaks, on the VLA in containers unit removed from the site. All trash containers will have predator-proof secured lists and be kept closed as all times and trash with the removed regularly. This measure minimizes the sevently of balant modifications (e.g. the presence of little regularly as what can arrise that region or compete with northern aptimated listons, pering plovers, and strots, or see a turtler. This measure 34 also benefits coclets and apparatually or minimizing the listendance of sevently of increased prey concentrations along Set 14 and cost lead to									
79	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	 SpaceX will perform quarterly beach cleanups of Boca Chica Beach to reduce the likelihood of attracting predators (i.e., minimizing habitat modification) of the piping plover, red knot, and sea turties to the beach. SpaceX will perform these 									
79	biological resources (including Fair, Wildlife, and Pains)	Origony	In Speack will profit quantity based ideanups of Boca Chica Beach to reduce the likelihood of attracting predators (i. a. minimizing habitam disclidation) of the piping plaver, red sixet, and sea furthers to the beach. Speack will perform these beach cleanups by 1.5 miles north and south of the V.A. Speack will provide the opportunity for resource agreeices (a. R. TCLO, USPNS) to participate and seach the community about the award selficial, serestive areas, based desire, and beach cleanup. Speack will export the desire of the cleanups in the annual minimizing regord submitted to the USPNS.									
	Biological Decourses Society Fig. 185-57.	Ontries	32. SpaceX will coordinate with TxDOT to help ensure that the shoulders of SH 4 east of the first public hard checkpoint are maintained by regular mowing and trimming to keep vegetation shorter than 12 inches. SpaceX will notify TxDOT that maintainance may be warmarted when vegetation along SH 4 exceeds approximately 9 inches. TxDOT will be responsible maintainance may be warmarted with the vegetation story.									
80	consignar redistricts (richard pain, writing, and Maris)	Unguing	for performing roadway vegetation maintenance. This measure minimizes vegetation cover along SH 4 and minimizes the likelihood of vehicle collisions with ocelots or jaguarunds.									
81	Parket Parket Cale and Cale an	0	33. SpaceX will construct a barrier along the northern boundary of the VLA to assist in keeping									
81	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	operations. This measure will minimize the extent and severity of habital modification for piping plovers and red knots that use areas adjacent to the VLA.									
82	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	34. Cryogenic testing and other pressure tanks used under the Proposed Action will be tethered by cables when practicable to the VLA site to help prevent debris from leaving the VLA. This measure will minimize the extent and severity of habitat modification for piping plowers and red knots that use areas adjacent to the VLA.									
			35. SpaceX will minimize noise from generators that may be used during construction and/or operations at the VLA under the Proposed Action. SpaceX will propose that percentage are placed within hattle house to sound, resistant boy that is									
83	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	placed over or around a generator), have an attached muffler, or use another noise-abatement method consistent with industry standards. This measure minimizes the severity of habitat modification for piping plovers and red knots that use									
			areas adjacent to the VLA. 36. Speach will perform inspections of the lighting installed as part of the Proposed Action on a biweekly basis during the sea turts nesting and hatching season (Marrol 15 to October 1) to 35 ensure that the minimization measures specified in the Lighting Management Plan are installed and in good working order. Speach will document compliance with the									
84	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	the Lighting Management Plan are installed and in good working order. SpacoX will document compliance with the Lighting Management Plan and note any deviations. SpacoX will address deviations with the USPWS on a timely manner to preference operation of the SpacoX will address deviations with the USPWS on a timely manner to preference operation of the SpacoX will address deviations with the USPWS on a timely manner to preference operation of the SpacoX will address deviations with the USPWS on a timely manner to preference operation of the SpacoX will address deviations with the USPWS on a timely manner to preference operation of the SpacoX will be spaced to the space of the SpacoX will address deviations with the USPWS on a timely manner to preference of the SpacoX will be spaced to the space of the SpacoX will be spaced to the space of the SpacoX will be spaced to the space of the space of the SpacoX will be spaced to the space of t									
			Lighting Management Plan and note any deviations. SpacoX will address deviations with the USFWS on a timely manner bit implement controlly actions. SpaceX will export any deviations and responsive actions to the USFWS in its annual report. This measure minimizes the severity of habitat modification for sea burdles. 37. SpacoX will principle myster to the start of the									
			25 objects, we infortion registrate agree vases on the basel when it is missed of the V.K. at fault once locate the against one baseline of the v.K. at fault once locate the against one baseline of the v.K. at fault once locate the against one baseline of the v.K. at fault once locate the against one baseline of the v.K. at fault once locate the v.K. at fault once									
85	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	company when more lighting at the site is needed for safety and security), even if this monitoring event occurs outside of the sea turtle neating and hatching season. SpaceX will perform this monitoring between 9.00pm and 5.00am. SpaceX will use the information to identify any practicable constrainties for modifying lehrling at the VII.2 (with unstake to the									
			will take the minimization to learning with particulative operations for microsyng agrining as the VV-(vini updates to the Lighting Management Plan, as appropriate) that reduce light through sixth at the basic hint while maintaining operational needs for safety and security. Special will document and summarize its monitoring and any responsive actions in the annual report to the USFW. This measure minimizes the severity of healths monification for sea turtles.									
86	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	to the USFWS. This measure minimizes the severity of habitat modification for sea butles. 8. SpaceX will implement the water resources miligation measures described in PEA Section 3.9.5. These measures address compliance with TCEC TPDES parmits, updates and/or implementation of its SPCC Plan and SWPPPs, and development and implementation of associated water quality monitoring in occordination with TCEC.									
			development and implementation of associated water quality monitoring in coordination with TCEQ. 39. SpaceX will seek input from the USFWS on updates to its SWPPP prior to the start of construction activities under the									
87	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	consequents all implementation of indicates were design infertibility of contractation for recurring an experiment of the second									
			red knots that use areas adjacent to the VLA (e.g., habitat modification resulting from discharges of sediment and freshwater runoff into the wind tidal flats adjacent to the VLA).									
88	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	40. SpaceX will clearly demandate the perimeter of all areas to be disturbed during construction activities under the Proposed Action using flagging or temporary construction fence and no SS disturbance outside that perimeter will be authorized. This measure minimizes the extent of habitat modification for the pring plover and not knot that use area									
			adjacent to the VLA 41. SpaceX shall use areas within the project boundary or other area subject to prior disturbance for stacing, parking, and									
89	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	equipment storage in connection with the Proposed Action. This measure minimizes the extent of habitat modification for									
90	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	one print power with near artist must use all adjustments of many of the print									
91	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	43. Consistent with TCEO stormwater permit conditions, during construction activities associated with the Proposed Action, Spacel, will ensure that beet practices are applied as the VLA thair minimizes the deposed recorded materials outside the boundary of the VLA. This measure minimizes the severity of habitat modification for the piping prover and rest four full deposed for materials that could after the microsporaphy of adaption this light trust user area adaptiver to the VLA.									
92	Biological Resources (including Fish, Wildlife, and Plants)	Incomplete	At In coordination with TsD0T and the USFWS, SpaceX will install five signs along SH 4 to inform the public on areas (such as sensitive areas of the NWR and the dunes) where they may not watch ongoing activities and launches. Signs would be installed within 8 months of issuance of the BD.									
-			would be installed within 6 months of issuance of the BO. 45. SpaceX will initiate coordination with TxDOT within 30 days of issuance of the BO regarding the installation of up to the profit of the BO regarding the installation of up to									
93	Biological Resources (including Fish, Wildlife, and Plants)	Unknown	48. Speach will initiate conditiation with TADOT within 30 days of dissuance of the BC regarding the installation of up to fine additional widelin consigning size long 914 for a statle of the additional widelin consigning size long 914 for a statle of the sizes will be used the reduce the risk of collains mortality for costion and jaquaments. SpeacX has always installed five wideline consigning sizes, Pending TADOT approved, SpeacX will purchase and install the additional five signs, Installation of the signs will be completed within 6									
94	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	46. Spacol security partir vehicles or other recessary Spacol Vehicles on Boox Chica Beach will be driven above the "vet line" (in. 4 in en on the beach where waves reside and epostacity will be and at the time the driver passes by) and at a speed not to exceed 15 miles per hour. This measure minimizes the severity of habitat modification for piping plowers and red knots.									
			47°, SpacoX will confinue to implement the SpacoX Boca Chica Launch Site Biological Monitoring Plan to survey for sea furtise, bets, and vegetation changes. Monitoring sports will be encluded as part of the SpacoX's annual monitoring report submitted to the USHNS. After leaves of monitoring, and when SpacoX spaties for a insensitior extension of its increase or permit, the USHNS. After leaves of monitoring, and when SpacoX spaties for a insension cereation of its increase or permit, the USHNS. As and SpacoX will be ovaluated the need to monify, adopt, or discontinual the monitoring. Sea turner monitoring on Boca Chica Beaca will be constantly for the operation of the properties of the spaties of the properties of the									
95	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	report submitted to the USFWS. After five years of monitoring, and when SpaceX applies for a renewal or extension of its license or permit, the USFWS, FAA, and SpaceX will evaluate the need to modify, adapt, or discontinue the monitoring. Sea turtle monitoring on Boac Chical Beach will be conducted minor to involvementation of announces restrictions and examine.									
			Sea turtle monitoring on social chical sealant will be conducted prior to implementation of access restrictions and security sweeps for, and as soon as practicable latter, subtrotted and orbital abunches. Pod:-launch monitoring can be conducted by Sea Turtle Inc.; however, the use of directs is acceptable if Sea Turtle Inc. is unable to conduct monitoring in -person. Findings will be included in the annual report to the USFWE.									
96	Biological Resources (including Fish, Wildlife, and Plants)	Unknown	48. SpaceX will continue to offer enhanced satellite monitoring via solar powered Starlink to the Peregrine Fund for									
97	Biological Resources (including Fish, Wildlife, and Plants)	Contingent	49. If sea turtle nests are discovered prior to closure and security sweeps, SpaceX will coordinate with Sea Turtle Inc. to remove eoss prior to launch. Findings will be included in the annual report to the USFWS.									
	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	Territors eggs prior to suitch. Prisongs with the included in the annual report to the COPPUS. 50. SpaceX will provide a dedicated space for Sea Tuttle, Inc. volunteers or logaceX property to monitor Boca Chica Beach use and to conduct pre- and post- launch surveys at Boca Chica Beach Beach use and to conduct pre- and post- launch surveys at Boca Chica Beach									
98			beach use and to conduct pre-and post- launch surveys at Boca Chica beach									

Finding ID	Category	Status	Text	Action	httns	riiwww.faa.nn	wishesifaa myifilesi?it	22,06/20220613	9520SnaneX%2	Starshin's 20Sun	or5.20Hopuv5.20	ar%20Rnna%200	nica FONSI RO	D%20Final net	
99	Biological Resources (including Fish, Wildlife, and Plants)	Contingent	5.1 If SpaceX plans to conduct more than two of the ten annual launches under the Proposed Action at night during the case burtien resting and instahting season (March 15th — Cobbert 1st), SpaceX and the FAA will contact the USFNS within 30 days of the third nighttene launch (and any subsequent righttime launches planned during that year) to discuss if there is a need for additional take authorization.												
100	Biological Resources (including Fish, Wildlife, and Plants)	Contingent	52. SpaceX will submit an annual monitoring report to the USFWs by March 1st for the preceding calendar year. The annual report will include monitoring results, measures an explemented during project activities, societies of such measures, annual report will include monitoring results, measures and report of the project activities, societies of such measures, under the project activities, societies of the measures, under the project activities, societies of the measures of the project activities, societies of the measures of the project activities of the measures of the project activities of the measures of the												
101	Biological Resources (including Fish, Wildlife, and Plants)	Contingent	S3. If the FAA issues SpaceX a whick operator isomes for StarshjoSuper Heavy launch operations at the Book Chica Launch Star, the BO would expire concurrent with the expiration of the FAA's iscense. SpaceX will notify the USFWS Y SpaceX plans to continue FAA-Increased admissis (i.e., 35 applying for iscense reviewal or a new iscense) to later than 6 months before FAA's iscense expires. The FAA would conduct its consultation obligations as required under ESA Section 7-as part of its evaluation of SpaceX is iscense application.												
102	Land Use	Contingent	SpaceX would notify and coordinate with the oil and gas operators prior to any launch (including landing).												
103	Land Use	Complete	2. The measures listed above under Department of Transportation Act Section 4(f) would also mitigate land use impacts.												
104	Hazardous Materials, Solid Waste, and Pollution Prevention	Contingent	 SpaceX would handle any release of a hazardous material according to the management procedures described in its Anomaly Response Plan. 												
105	Hazardous Materials, Solid Waste, and Pollution Prevention	Ongoing	SpaceX would comply with all applicable federal, state, and local rules and regulations pertaining to the proper storage, handling, and use of hazardous materials.												
106	Hazardous Materials, Solid Waste, and Pollution Prevention	Unknown	 SpaceX would implement its SPCC Plan to prevent and address accidental spills or releases of hazardous materials. 												
107	Hazardous Materials, Solid Waste, and Pollution Prevention	Contingent	 SpaceX would report any release of a hazardous material in the Gulf of Mexico through the U.S. Coast Guard National Response Center; releases in tidal waters would also be reported to TGLO. 												
108	Hazardous Materials, Solid Waste, and Pollution Prevention	Contingent	SpaceX would comply with the International Convention for the Prevention of Pollution from Ships Annex IV and the CWA NPDES Program regarding vessel discharge of large commercial vessels for offshore landings on platforms.												
109	Hazardous Materials, Solid Waste, and Pollution Prevention	Ongoing	 SpaceX would implement the appropriate handling and management procedures for hazardous materials when venting residual LOX and LCH4. 												
110	Hazardous Materials, Solid Waste, and Pollution Prevention	Ongoing	Hazardous materials such as fuels, ordnance, chemicals, and payload components would be transported over public transportation routes to the appropriate facilities in accordance with DOT regulations												
111	Hazardous Materials, Solid Waste, and Pollution Prevention	Contingent	SpaceX would treat or remove any soils adversely affected by spills in accordance with applicable federal and state regulations.												
112	Hazardous Materials, Solid Waste, and Pollution Prevention	Contingent	In the event of an anomaly, SpaceX would respond to all accidental releases of polluting substances quickly and implement appropriate clean-up measures in accordance with applicable laws to minimize impacts to the environment.												
113	Hazardous Materials, Solid Waste, and Pollution Prevention	Complete	10. SpaceX would store solid wastes in covered receptacles until disposal to avoid offsite deposition, recycle solid wastes to the extent practicable, and dispose of the remaining solid waste in appropriately permitted landfills.												
114	Hazardous Materials, Solid Waste, and Pollution Prevention	Contingent	11. SpacoX would collect, store, and dispose of hazardous materials, substances, and wastes used and generated as part of recovery operations using practices that minimize the potential for accidental releases or contact with atom or markine water and in accordance with the Hazardous Materials and Emergency Response Plan, SWPPQ, and SPCC Plan, as well as Resource Conservation and Recovery Act and Occupational Safety and Health Administration regulations.												
115	Hazardous Materials, Solid Waste, and Pollution Prevention	Complete	 SpaceX would assemble an emergency response team that would be responsible for responding to hazards and spills for all Starship/Super Heavy propellants. 												

		lane.											
Finding ID	Air Quality	Ongoing	Periodic water spraying to control particulates and fugitive dust.	Action	https://www.faa.g	povisites/faa gryffiles/2022-06/20	220613%20SpaceX%20Starship	%20Super%20Heavy%	0at%20Boca%20	Chica_FONSI_RO	D%20Final.pdf		
2	Air Quality	Ongoing	Best Management Practices (BMPs) such as minimal idling of engines, watering of soils to be disturbed, and use of low volatility coatings.		Status	COUNTA of Status							
3	Air Quality	Ongoing	volunity culaings. 3. Compliance with Texas Commission on Environmental Quality's (TCEQ) authorization under the Oil and Gas Standard Permit, including adherence to any permit conditions.		Complete	4		EAA NAI+	igated FC	NSI Prog	*****		
4	Climate	N/A	None. The FAA would ensure that SpaceX uses its notification plan to educate the public and announce when a launch or		Contingent	32		FAA WIII	igateu rc	JIVSI PTOE	1622		
			The FAA would ensure that SpaceX uses its notification plan to educate the public and announce when a launch or landing event would occur. Announcements of upcoming StanfajiSuper Heavy launches and landings would serve to warn people about these noise events and would laby help reduce human 15 devene reactions to three noise events.										
			The plan would involve issuing statements to news outlets and law enforcement so that when noise is heard, the public would understand what has occurred. This approach is consistent with the public notification efforts conducted by SpaceX at Cane Canapared Rose Force Station and Vandenberry Rose Force Rose White the reversal invanet of sonis homes.				■ N/A						
5	Noise and Noise-Compatible Land Use	Ongoing	such or behavior since in a focusion. The supposed to collection of the such as the such a				■ Complete						
			Space Launch Act, SpaceX is required to carry insurance to cover claims by third parties that result from licensed activities, including any structural damage. The FAA requires that SpaceX carry insurance in the amount of the "Maximum Breinholds I not "which is determined on a launch but, but with 54A or for it with 54A or for it with 54A or for the surface Activities."				■ Incomplete g						
			the event that structural damage results from noise-induced vibrations or sonic booms, any such claims of damage would be subject to the insurance policy terms and process specified by the Commercial Space Launch Act and FAA				Unknown						
					Incomplete	5	■ Contingent						
			Exterior lights used expressly for safety or security purposes are limited to the minimum number and configuration required to achieve their functional roles.				Ongoing						
6	Visual Effects	Ongoing	 Minimization measures include directing, shielding, or positioning lighting to avoid visibility from the beach, minimize lateral light spread, and decrease uplighting; turning off lights when not needed; using low-pressure sodium to the extent 					0 20	40	50 80	100	120 1	140
			Included the control field believed to the control field believed										
			ight use requirements and responsibilities.		N/A	1							
	L		2. Normating Custom one cigining a. To minimize lighting impacts to sea turtles, SpaceX will monitor its lighting. This monitoring will be conducted to verify SpaceX's controllance with the SpaceX Rosa Chica Laurch Site Lighting Management Plan										
,	Visual Effects	Ongoing	July as the registeration for the production of										
8	Historical, Architectural, Archeological, and Cultural Resources	Complete	FAA. 1. Installing all utility lines between the LLCC and VLA underground to avoid visual effects to the NHL.		Ongoing	59 14							
9	Historical, Architectural, Archeological, and Cultural Resources	Unknown	 Installing all utility lines between the LLCC and VLA underground to avoid visual effects to the NHL. 2. Preparing a Instruction content engorie, i.e., elstoical narratively of the histoic events and activities of the Messican War (1846–1865) that took place in the geographic area associated with and including the Alexa of Polymatia (Effects (APE)). 										
			Area of Potential Effects (APE). 2. Europing the development and production of the intercepting cines (in English and Specials) that devotes the history		Grand Total	115							
10	Historical, Architectural, Archeological, and Cultural Resources	Unknown	 Furshing the development and production of five interpretive signs (in English and Spanish) that describe the history and significance of the historic properties in the APE. Furnising educational outreach (i.e., webpage content for agency websites, informative videos) to the public about the 										
11	Historical, Architectural, Archeological, and Cultural Resources	Unknown	region's cultural heritage. 5 Documention the Investorace of the British Branch Participate following the Lovel I Michael American I perfectorace										
12	Historical, Architectural, Archeological, and Cultural Resources	Unknown	region's clitural heritage. 5. Documenting the landscape of the Palmito Ranch Battlefield following the Level I Historic American Landscapes Survey standards and guidelines for nationally significant properties. 8. Description of the Committee of the Palmito Ranch Battlefield following the Level I Historic American Landscapes alter, delivery standards and guidelines for nationally significant properties.										
13	Historical, Architectural, Archeological, and Cultural Resources Historical, Architectural, Archeological, and Cultural Resources	Ongoing Ongoing	Implementing measures to reduce noise levels generated by construction equipment. Implementing measures to minimize noise from truck (construction, tanker, concrete, water, delivery) traffic										
			Impersoning measures to minimize rocks from trock (constitution, sarvar, conclusin, water, derivery) saint Conducting a vibration monitoring program to gather data on the effects of launches on the Palmeto Plings Historical										
15	Historical, Architectural, Archeological, and Cultural Resources	Ongoing	8. Conducting a vibration monitoring program to gather data on the effects of launches on the Palmeth Pilings Hotorical Marker, Palmetho Pilings, Port baside Lighthouse, and at the 2-3-, and 8- finel distances from the VLA. The program will also include a structural assessment from vibration data to assess any impacts and address any structural damage given any impact from launch operations.										
16	Historical, Architectural, Archeological, and Cultural Resources	Incomplete	Replication and installing the missing stars and wearths on the Palmetto Pilings Historical Marker. Maintaining across restriction to the area west of the evision U.S. Customs and Royder Protection reserving at a										
17	Historical, Architectural, Archeological, and Cultural Resources	Unknown	 Replicating and irrelating the missing stars and wearbs on the Palmeth Pilings Historical Marker. Maintaining access restriction to the pare was of the existing L.S. Couldman and Bosber Protection checkpoint at a location east of where SH 1410 crosses SH 4 and west of where an unnamed north-south canal crosses SH 4, as generally deplication in PEA-Appeador, Co. Inicidude 										
18	Historical, Architectural, Archeological, and Cultural Resources	Contingent	generally depicted in P-CA Appendix C, to include the entire extend of the NH. 11. Placing temporary construction barriers around the Palmetto Pilings Historical Marker during construction.		Category Air Quality	COUNTA of Categor							
			11. Placing temporary construction barriers around the Palimetro Pilings Historical Marker during construction. 12. If an anomally affects a historic property, SpaceX will hire a qualified professional to make recommendations for restoration of the historic property. All work will be done following the Secretary of the Interior's Standards for the		Air Quality	3							
19	Historical, Architectural, Archeological, and Cultural Resources	Contingent	reatoration of the historic property. All work will be done following the Secretary of the Interior's Standards for the Treatment of Historic Properties. The proposed restoration will be subject to the review process described in PA Siguilation V. Upon review and approval, SpaceX will hire a qualified professional to restore the historic property.		Biological Resou	a 52							
20	Historical, Architectural, Archeological, and Cultural Resources	Contingent	13. In addition, an Unanticipated Discoveries Plan will be prepared to outline the processes to be followed when previously unknown cultural resources or human remains are discovered during construction or operation of the Proposed			_							
21	Department of Transportation	Ongoing	SpaceX would restore the SH 4 ROW to pre-disturbance conditions after installation of utilities.		Climate Department of Tr	1 15							
22	Department of Transportation	Contingent	 of the event of an anomaly, SpaceX would notify TPWD, TGLO, and/or USFWS, as applicable, per the procedure outlined in SpaceX's Anomaly Response Plan. 		Hazardous Mate								
23	Department of Transportation	Contingent	3. Following an anomaly. SpaceX would release the arress restriction area west of the "All Hard Checkmoint" to allow										
	***************************************		visitors to continue to access the NHL and NWR white anomaly-response actions are taken. SpaceX would keep the "All Hard Chackpoint" in place to protect public safety and implement the measures outlined in its Anomaly Response Plan. 4. SpaceX or a qualified contractor would control debt's removal in accordance with a method as determined by TPMD		Historical, Archite	a 13							
24	Department of Transportation	Contingent	4. SpaceX or a qualified contractor would conduct debris removal in accordance with a method as determined by TPWD and agreed to by SpaceX. 5. Restoration measures reparding any adverse impacts to landforms include monitoring disturbed areas for spread of		Land Use	2							
25	Department of Transportation	Contingent	until agrees to by operatur. S. Restization measures regarding any adverse impacts to landforms include monitoring disturbed areas for spread of non-native vegetation and removal upon discovery, screading seeds found locally from preferred grass species, and regarding disturbed land to its per-existing condition. Atternative restoration approaches may be considered as determined by TPWO and agrees to by SpaceX.										
			Restoration actions with respect to algal flats include grooming of tracks with the use of hand tools and ambient soils to		Noise and Noise	- 1							
26	Department of Transportation	Ongoing	prevent further impacts, removing fill, establishing the proper slope 21 within the tidal range, and inoculating the soils with a mixture of the dominant algal species, or any other approach as determined by TPWD and agreed to by SpaceX.		Visual Effects	2							
			Intern, dated with 11, 2022, which include the following: a. Sirtic compliance with at learn and conditions of the MOA executed September 2, 2021, between PVOA and Spacox. b. Compliance with at learn and conditions of the MOA executed September 2, 2021, between PVOA and Spacox. b. Compliance and maintenance of boilard-and-cable traffic control fencing along SH 4 demarcating the boundaries of PVOM lands. Spacox at 18 scale cost will survey the SH 4										
			 Completion and maintenance of bollard-and-cable traffic control fencing along SH 4 demandating the boundaries of TPWD lands. SpaceX at its sole cost will survey the SH 4 										
			domarcating the boundaries of TPVID lands, SpeciA at its sole cost will survey by 691.4 boundary and will be the two or three paper in the western profine of the fearce only as nacessary to provide readorable access to privately winned inhalding all access points and the profit of the profit										
			gap with contact information for legitimate landowners to gain access to their property. c. SpaceX will take all necessary measures to make TPWD-owned lands at Boca Chica										
			accessible to researchers and all TPWD and/or USFWS-authorized personnel at all times except during ignition events. d. SpaceX will cover the cost of a contract with TPWD and/or Texas A&M Corpus										
27	Department of Transportation	Unknown	d. SpaceX will cover the cost of a contract with 149/D and/or lexias A&M Corpus Christi/Texas A&M system to develop specific protocols for test restoration of impacts to fidebilities if first of Book Chica specifics from the SNH1 spaces, within 30 days of										
			Christif Rexas A&M system to develop specific protocols for test restoration of impacts to isolating falls at 80 cost fices residently of the SNY1 amonaly within 30 days of presentation of such a contract. The scope of the contract will include the cost of a principal investigation, one or two graduate students and all related equipment, materials, overhead, administrative, and publication costs.										
			materials, overhead, administrative, and publication costs. e. In the event Texas A&M University is unable to provide the services outlined above.										
			In the event Rocas ABM University is unable to provide the services outlined above, TPVID staff will work in good faith to identify another academic institution or similarly qualified third party to understake the proposed project and will keep Space's staff qualified third party to understake the proposed project and will keep Space's staff										
			apprised of its progress. f. During the first "restoration season" as recommended by and following the study										
			agarised of its progress. 1. During the first instructions on easien' as recommended by and following the study referenced in the preceding paragraphs, SpacoX, at its sole expense, will hire a qualified environmental firm to undertake a text restoration per the recommendations of the solid, covering a minimum of the net access of floatingful first affected by the impacts of										
			debris and others retrieval following the SN11 anomaly, SpaceX will work cooperatively		Water Resource	14							
			Il South will give and failure point a claim de consequent production and its accordance will be a consequent production of the cons		THE INSURE								
			access restriction on the County's website and/or send via email to the agency distribution list. Information about the proposes restriction would be costed on Cameron County's website. b. Sending access restriction mould be costed on Cameron County's website. b. Sending access restriction mould be costed on Cameron County's website. b. Sending access restriction mould be costed on Cameron County's website.										
28	Department of Transportation	Ongoing	the regulatory and public land-managing agencies as plans finalize (typically 48 hours prior to the access restriction). The agencies would continue to receive updates immediately when the access restrictions go into place and when the access										
			restrictions end, as well as cancellations of requested access restrictions. SpaceX personnel at the LLCC would send these notifications to ensure the most up-to-date information is distributed. 23 c. Sending real time status and updates on										
			updates		Grand Total	115							
			 SpaceX would implement the following measures to limit access restrictions: a. No SH 4 access restrictions on the following holidays: Memorial Day, Labor Day, July 4th, Martin Luther King Jr. Day, Presidents' Day, Texas Independence 										
			Day, Cesar Chiavez Day, Emancipation Day in Tosas (also reterned to as Juneteenth), Veteran's Day, Good Friday, Estate, Father's Day, Mohre's Day, Therebogining Day, Christmas Day, New Year's Day Hossipy's I. Whiten any of the Hickipy falls amousty on a Monday or Hirdsy, to Welsenke Access Restrictions, as defined in 0 of below, shall be permitted. I. Where any of the Hockipsy does not fall anneaty on a Monday or Friday but falls on a Monday or practicular year, on Welsenke Access Restrictions, as defined in 0 d., shall be permitted for that year. If or Thankspring, or for Thankspring or the Program of the Pr										
			permitted, ii. Where any of the Holidays does not fall annually on a Monday or Friday but falls on a Monday or Friday in a particular year, no Weekend Access Restrictions, as defined in 9.d, shall be permitted for that year. iii. For Thanksgiving,										
			no access restrictions shall be permitted from Thanksgiving Day through the Sunday immediately following Thanksgiving. b. Except as provided in 9.d. from Memorial Day to Labor Day (the times of greatest visitor beach uses and enjoyment).										
29	Department of Transportation	Ongoing	perfocis pera, on Western Access Resistance and Confess In S. A shall be permissed for that year. E. For Thresburging, perfocis pera, on Western Access Resistance and Confess In S. A shall be permissed for the year. E. For Thresburging, per a beginning of the Confess In Section 1 o										
-			Labor Day, c. Except as provided in 9.d, from the day after Labor Day to the day before Memorial Day (throughout the winter months), no Weekend Access Restrictions on Saturday or Sunday, d. When a SpaceX activity requires at least one										
			road access restriction between Fridays at 6:00 a.m. and Sundays from Memorial Day to Labor Day, or on weekends from the day after Labor Day to the day before Memorial Day, it is considered a "Weekend Access Restriction." i. SpaceX										
			from the day after Labor Day to the day before Memorial Day, it is considered a "Weekend Access Restriction." I. SpacoX may request a Weekend Access Restriction to b the films per calendar year. 24 e. For min 594 4 road access restriction, 5paco, will request a lesser 46 theory prior to the start of the access restriction period, that the Cameron County Commissioners Court implement the access restriction. This notice requirement is intended to give the public a minimum 43-hour office be requirementated to the recessional courts. Any requested Weekend Access Restriction shall										
			minimum 45-tion robote to recount measurement on access an exercision. The induce requirement is maintain a maintain or may be use public all minimum 45-tion robote to reduce impacts to the recreational users. Any requested Westward Access Restriction shall count foward the total five annual Westward Access Restriction surfaces cancellation of the Westward Access Restriction publicated more than 24 hours prior to the start of the requested access restriction perior. It recorption to the above is for										
			activities deemed to be anomalies per FAA regulations										
30	Department of Transportation	Ongoing	10. SpaceX would implement measures identified in the Section 108 PA (see the list of measures below under Historical,										
31	Department of Transportation	Contingent	Architectural, Archeological, and Cultural Resources) 11. SpaceX would implement the lighting milispation measures from PEA Section 3.6.5 (see the list of measures below under Visual Effects (including Light Emissions)).										
32	Department of Transportation	Ongoing	12. SpaceX would implement the insurance requirements noted in PEA Section 3.5.5, which require that SpaceX pay for any structural damage that may occur, thereby ensuring restoration and reducing the impact to a Section 4(f) resource (see below under Noise and Noise-Compatible Land Use).										
			13. SpaceX would collaborate with TPWD and USFWS to meet USFWS fishing objectives for the region. To accomplish										
			this goal, spaceX would: a. Provide improved, enhanced, or new access for fishing opportunities in the Gulf of Mexico, Rio Grande, Brownsville Shipping Channel, and/or South Bay: SpaceX will provide \$5,000 annually to enhance the auditor. TRINIT Trivial Longer Reporture. This										
33	Department of Transportation	Ongoing	boxes with hooks, sinkers, and bobbers) for use at existing, heavily visited the purchase fishing equipment (roos, reels, and tackle boxes with hooks, sinkers, and bobbers) for use at existing, heavily visited sites and/or allow the program to expand to new locations. b. Participate in fishing introduction and instruction monortunities onsite. Shaze's will never the										
			new ocusions. On anticipate in insimp introduction and instruction opportunity for Fishing's Future representatives to participate in the monthly beach cleanups and teach environmental stewardship and increase awareness for the protection, conservation, and restoration of equatic natural resources										
			14. SpaceX would collaborate with USFWS to meet widdle observation, interpretation, and photography objectives for the area, as well as NHL priorities. To accomplish this goad, SpaceX would: a. Coordinate with the USACE, TXDDT, and USFWS to exprise the floatiship of prospection pre-page 304 mile along 914, acast of the Setz mile bent refusioned or										
			other made adjacent to the NWR. At this location, which will be determined by LISEWS in mornination with SourceX										
9.	Department of Transportation	Incorrector -	SpaceX will construct a wildfile viewing platform and associated signage; the signage will address the resident wildfile, NHL, and the SpaceX launch site. It Provide enhanced satellite monitoring via soils powered Saferin for remote wildfile viewing opportunities. Enhanced satellite monitoring will be provided at locationity to be determined by USEPXS, in coordination with SpaceX. C. Participate in wildfile photography for involvation and instruction opportunities on-site. SpaceX will provide the opportunity for wildfile photographers for instruct the public fouring he monthly based claimage and/or										
34		mprede	coordination with SpaceX. c. Participate in wildlife photography introduction and instruction opportunities on -site. SpaceX will provide the opportunity for wildlife photographers to instruct the public during the monthly beach cleanups and/or										
			provide wildlife photography information and instructions at the wildlife viewing platform. d. Provide improvements to the site interpretive message system along the SH 4 corridor east of the first public hard checkpoint. Locations and sign										
			content will be determined by USFWS, in coordination with SpaceX, Improvements will also benefit NHL interpretation. e. Participate in public event(s), such as the Coastal Expp., that focus on joint SpaceX, TPWD, USFWS, and NPS mission curreach. SpaceX will participate in one event annually										
			15. SpaceX would collaborate with USFWS to meet environmental education objectives. To										
	L		accomplish this goal, SpaceX will provide onsits Science, Technology, Engineering, and Math based learning opportunities. SpaceX will host regular site tours and one annual educational event for students in the Brownsville Independent School District. On the site bours, SpaceX will										
35	Department of Transportation	Unknown	event for students in the Brownsville Independent School District. On the site tours, Spacox will educate the students on the censiviev resources and habital surrounding the Spacok Scalibles. SpacoX would coordinate with the USFWS on the information to be shared relevant to the										
			sénsitive resources and habitat surrounding the SpaceX facilities. At the annual educational event, SpaceX will invite USPWB, TPWD, and NPS to speak to the importance of studying the Life and Physical Sciences.										
36	Water Resources (including Wetlands, Floodplains, Surface Waters, and Groundwater)	Ongoing	1. SpaceX would implement its SPCC Plan to minimize the potential for accidental releases of polluting substances										
37	Water Resources (including Wetlands, Floodplains, Surface Waters, and Groundwater)	Contingent	2. In conjunction with final design and CWIA permitting. SpaceX would submit a Notice of Intent to TCEO for application of the general permit authorization for joint source discharges of shormwater associated with industrial activity to surface water in the state. SpaceX would develop a SWPPP that would adhere to the permit effluent limitations and requirements applicable to the industrial activity or applicable of the permit effluent limitations.										
			applicable to the industrial activities. 2 If under treatment or retoring is required.										
38	Water Resources (including Wetlands, Floodplains, Surface Waters, and Groundwater)		If water treatment or retention is required, SpaceX would contain water in retention ponds. Retention ponds would be fined to prevent percolation of contaminants into the groundwater and would be maintained and monitored by SpaceX.										
39	Water Resources (including Wetlands, Floodplains, Surface Waters, and Groundwater)		 SpaceX would develop appropriate sampling protocols and water quality criteria in coordination with the TCEQ in accordance with Texas Surface Water Quality. 										
40	Water Resources (including Wetlands, Floodplains, Surface Waters, and Groundwater)		accordance with reass surface Water Quality. 5. SpaceX would manage any deluge water according to state and local water quality requirements (e.g., pretreatment permits, NPDES permits, etc.).										
41	Water Resources (including Wetlands, Floodplains, Surface Waters, and Groundwater)		 SpaceX would adhere to proper marine vessel operating procedures and use of appropriate BMPs in the event of a recovery operation discharge or spill. 										
42	Water Resources (including Wetlands, Floodplains, Surface Waters, and Groundwater)		 SpaceX would employ proper design redundancies of commodity storage facilities, containment around all hydrautic systems, safety measures in launch vehicle processes, and spill response and clean-up measures. 										
43	Water Resources (including Wetlands, Floodplains, Surface Waters, and Groundwater)	Contingent	 Pursuant to CWA Section 404, SpaceX would coordinate with the USACE to develop an appropriate compensatory mitigation plan for unavoidable impacts to wetlands. 										
44	Water Resources (including Wetlands, Floodplains, Surface Waters, and Groundwater)	Contingent	SpaceX would coordinate with Cameron County floodplain administrators to obtain a development permit in accordance with the National Flood Insurance Program as well as county regulations.										
45	Water Resources (including Wetlands, Floodplains, Surface Waters, and Groundwater)	Contingent	 Following an anomaly, SpaceX would release the access restriction area west of the "All Hard Checkpoint" to allow visitors to continue to access the NHL and NWR while anomaly-response actions are taken. SpaceX would keep the "All 										
46	Water Resources (including Wetlands, Floodplains, Surface Waters, and Groundwater)		Hard Checkpoint [®] in place to protect public safety and implement the measures outlined in its Anomaly Response Plan 11. Debris removal would occur by a method as determined by TPWD and agreed to by SpaceX.										
47	Water Resources (including Wetlands, Floodplains, Surface Waters, and Groundwater)		 In the event of an anomaly, SpaceX must obtain a Special Use Permit on an emergency basis from USFWS as applicable, prior to clean-up activities on NWR fee-owned or managed lands. 										
			3. Restoration measures regarding any adverse impacts to landforms include monitoring disturbed areas for spread of non-native vegetation and removal upon discovery, spreading seeds found locally from preferred grass species, and regrading disturbed land to its pre-actisting condition. Alternative restoration approaches may be considered as										
48	Water Resources (including Wetlands, Floodplains, Surface Waters, and Groundwater)	Contingent											
49	Water Resources (including Wetlands, Floodplains, Surface Waters, and Groundwater)	Contingent	14. Restoration actions with respect to significant include grooming of tracks with the use of hand tools and ambient soils to prevent further impacts, removing fill, establishing the proper slope within the tidal range, and inoculating the soils with a mixture of the dominant algal species, or any other approach as determined by TMPU and agreed to by Spaces.										
			a monure of the dominant algal species, or any other approach as determined by TPWD and agreed to by SpaceX 1. In conjunction with final design and CWA permitting, SpaceX will update its SWPPP to address the additional facilities										
			1. In conjunction with final design and CNNA parmitting. Spaces will update its SWPPP to address the additional facilities reposited for this alle and resure oregistation with the TCDS determatery permit. The updates will be compreted before construction begins under the Proposed Action. The SWIPPP identifies BMPs for ension and sedimentation contests, including betrifiques to diffuse and disor the velocity of stormwater to reduce potential impacts (e.g., sell loss and										
50	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	including techniques to diffuse and slow the velocity of stormwater to reduce potential impacts (e.g., soil loss and sedimentation) to water quality during construction. All permitted construction activities with the potential to impact water quality from potential runoff from the site will be conducted in accordance with the stormwater cermit, including measures										
			sedimentation) to water quality during construction. All permitted construction activities with the potential to impact water quality from potential noral from the site will be conducted in accordance or solvential permit, including many interesting a copy of the solvential many formation and including many interesting a copy of the solvential permit including many under the Proposed Action to the FAA and USEVIS before such construction begins and will provide the USEVIS and FAA with written notice of updates to the SWPPO on a quantify basis.										
			of updates to the SWPPP on a quarterly basis.										

Section and control and contro		Category			Action								
Service of the control of the contro	Finding ID	Category	Status	2 Drive to entry into or soil from unpround more of the M.A. Sonney will ensure that house environment if a unbidge and	action	https://www.fa	a govistes flaa govifiles/2022-06/20220	13%20SpaceX%20Stars	ip%20Super%20Heavy0	.20a1%20Boca%200	zhica_FONSI_ROD	75/20Final.pdf	
Service of the control of the contro	51	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	construction shaker or numble plates or rock bed located at the VLA to remove any sediment and drift for purposes of preventing the introduction and spread of non-native plant species. SpaceX would inspect the equipment to ensure that hydraulic fittings are tight, hydraulic hoses are in good condition (and replaced if damaged), and there are no petroleum									
Service of the control of the contro													
Service of the control of the contro	52	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	 Superact with implement a PPC-Parth Space with provide up to the SPC-Parth of particular activity under the Proposed Action to the FAA and USPNS before such construction begins and will provide the USPNS and FAA with written notice of updates to the SPCC Plan on a quarterly basis 									
Part				4. SpacoX will not place excavated or fill material in delineated CVM Section 404 waters of the United States except as authorized by a permit from the USACE. SpaceX will ensure that discharged water associated with concrete mixing and placement activities does not reach surrounding water bodies or pools unless specifically authorized in a Department of									
Manual Content of the Content of t	53	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	Army permit. SpaceX will provide to the USACE withten notice documenting completion of the activity authorized under Section 404 of the CWA; compliance with all associated terms and conditions; and implementation of any required compensatory mitigation for impacts to waters of the United States. SearcX will provide the notice to USACE within 30									
				days of completion of the activities authorized by the USACE and will include a copy of this notification in its annual report to the USFWS.									
Service And Communication of the Communication of Communi	54	Biological Resources (including Fish, Wildlife, and Plants)	Unknown	monitoring (vegetation and birds). This monitoring is ongoing and will continue to be conducted within 3 miles of construction areas. Monitoring reports will continue to be sent to the USFWS annually									
Second Continue of the Conti	55	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	 SpaceX will limit vehicle operation to existing paved and unpaved roads, parking areas, and authorized construction sites. Vehicle operators within the VLA will not exceed 25 miles per hour. 									
1	56	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	 SpackX would equip structures with devices to discourage nest building and perching (e.g., monopole technology and visual fright devices) 									
1	57	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	 SpaceX will initiate coordination with the USFWS within 60 days of the start of construction under the Proposed Action to identify practicable opportunities to protect, restore, and/or enhance habitat for the oceiot, jaguarundi, piping plover, and/or not known SpaceX intends to continuous continuation with the USFWS to complete one or more habitat entertion. 									
Second Company of the Company of t													
Second Company of the Company of t	58	Biological Resources (including Fish, Wildlife, and Plants)	Incomplete	the teasterity of constituting windle crossings along SH4 west of the first public hard discipling to benefit the constitution jaquarund. If a wildfile crossing is deemed feasible by each of the coordinating parties, pending regulatory or other approvals from applicable agencies, SpaceX will fund the construction on one wildlife crossing west of the first public hard									
A				chackpoint within 1 year of the mutual determination of feasibility. 10. SpaceX will make an annual contribution of \$5,000 to the Friends of Laguna Atascosa National Wildlife Refuge Adoct-an-Ocalet Program within 3 months of the issuance of the BO and by March 1 of each year thereafter for the									
A	59	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	duration of the BO. Funds donated to the program are intended to pay for: a. Wildlife guzzters b. Camera trapping sets c. Special events to raise awareness about the ocelot d. Important supplies that allow biologist to monitor ocelot dispersal, helicular and helibitor needs:									
Part	60	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	 SpaceX will make an annual contribution of \$5,000 to the Peregrine Fund within 3 months of the issuance of the BO and by March 1 of each year thereafter for the duration of the BO. These funds will provide assistance with increased 									
Part	-			releases, repairing or replacing existing hack sites and/or nest boxes, or constructing new hack sites and/or nest boxes if failcons are observed in a new location. 12. If nonneged construction artistics under the Promosed Artino occur during the axian breading season (February 15.									
Part				through August 31), a biologist will search the proposed areas of construction activities, including laydown areas, for nests (in structs and on the ground) one time no more than two days before the start of construction within the surveyed area. If the highest fields and active part of proposed area of a structure of the proposed and active part of the part of th									
Part	61	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	or tools, within 50 maters (164 feat) of the nest will be avoided until the biologist determines the nest is no longer in use. Spacox will mark the avoidance zone with flagging, fencing, or similar signage within 24 hours of detecting the nest and will inscend the market days, recorded an expension on appetit to accurate the original stated and width the market.									
Manual				duration of the nesting activity. SpaceX will document inspections and provide a summary of inspections and avoidance actions to the FAA and USFV/S with the annual report.									
Le Marie Remaindered de Carlon de Ca	62	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	13. SpaceX will operate an employee shuftle between Brownsville and the project site and between parking areas at LLCC and the VLA to reduce the number of project-related vehicles traveling to and from the project site. SpaceX will encourage employees to use the shuftle by providing information on shuftle operation in new hire onboarding materials.									
Company Comp				routine staff communications (such as staff meetings), and in contractor environmental trainings. SpaceX will mandate use of the shuttle as practicable. 14. SpaceX will under the It before Management Disp to processor for Struckles/Super Management and related.									
Company Comp				infrastructure that is the subject of the Proposed Action. These updates will be completed all least 30 days before the beginning of sea turtle nesting season that starts on March 15 of each year. Consistent with safety and security needs, Season 3 will be desired an experience of the Proposed and Season Seas									
Company Comp				recommendations for minimizing lighting effects on ESA-listed species. This measure will minimize the medification of see turtle habitat and minimize the likelihood of false crawls and discriment habitat and minimize the likelihood of false crawls and discriment habitat, upon agreement with the USFWS and TEMD. Second will immore the vectors.									
Company Comp	63	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	Directing, sharing, or positioning facility lighting to avoid or minimize viability from the beach, minimize lateral light spread, and minimize uplighting without compromising safety and security of personnel. b. Turning off lights when not seeked to maintain a volume of the personnel or turning off lights when not									
Company Comp				training to meeting a save wro secure money. C. Using low pressure scotum rights, to the extert practicable, during sea turtle nearing season. Limitations to the use of low-pressure scotum include the use of white lighting required for protection and safety of SpaceX personnel for ground support operations performed 24/7 throughout the year and the use									
Column				on mayor recomprising curring regressions easiers activities. B. Installing new agrancy with multiple levels of control (i.e., some, all, or none of the lights can be turned on) so that lighting levels can be matched with specific activities. e. Where lighting is not essential to safety or security of personnel, installing limers to switch lights off in the evening. Where applicable and									
An in the content of the content o		Relation Decourses Societies 714 MARY 774	Heirr	not a triveat to security, installing motion-detector switches. 15. SpaceX will confirm contracting a qualified biologist to conduct pre- and post-launch biological monitoring (vegetation and birds). Monitoring will be conducted within 1 mile of the VLA un to a week holive a Standhin or Owner.									
Part	64	uningset Hesturias (Housing Half, Wildell, and Halfs)	Unkflown										
Part	65	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	re. operous we confinite to consocrate with sea runte, inc. by supplying and atoring field equipment and to provide sea turite survey data within the action area to the USFWS annually. This measure supports activities that reduce the likelihood of death or injury to individual sea turties.									
Column C		The state of the s		17. Upon USFWS and SpaceX agreement of locations alongside SH 4 or other identified roads where the footprint is disturbed, SpaceX will fund the purchase of vehicle barrier materials to prevent trucks or ATVs from entering the NWR. The amount needed in any given year will be determined by NWR staff and is not to exceed \$1.000 aprivate Vehicles.									
Column C	86	uningoet Hesturias (Housing Half, Wildell, and Halfs)	Unigoing	will install the barriers and USFWS staff will perform general maintenance and repairs of the barriers. Funds will be issued within 3 morths from the issued manner of the BO, and by March 1 of each year alterwards for the duration of the BO. SpaceX will be responsible for replacing or restoring damaged braining sounded by SocietX corronal or an animals.									
Part Continue of the Conti				as much advance notice as practicable to minimize disruption to refuge and land management activities.									
10 10 10 10 10 10 10 10	68	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	 SpaceX would implement any applicable avoidance or minimization measures included in the NMFS Letter of Concurrence when operating in the marine environment. 									
10 10 10 10 10 10 10 10				 Special will overlap decidation intering imments and source to the open on approve, or to approve, specially will provide all on-site personnel, including staff and contractors, with an environmental universe reducation briefing(s) prior to the start of construction activities that will include the following topics: species identification, instruction on 									
The content of the	69	Biological Resources (including Fish, Wildlife, and Plants)	Unknown	implementing the conservation measures described in the BC, widthe prevention measures, information regarding noticises or invasive weeds, requirements for safe handling and disposal of hazardics waste, proper disposal of littler and garbage, and the employee shuttle. SpaceX will also provide 32 this environmental worker education briefing on an									
The content of the				ongoing bases to an new finites of on-site staff and confractors before starting on-site work and will other remarker briefings to all on-site staff and confractors on an annual basis. SpaceX will document completion of these educational briefings in its annual report to the USFWS.									
Company of the comp	70	Biological Decourses Sectoring Cirk Wildlife, and Blaste)	Continuent										
To Compart Command Activity				USFWS prior to debris removal and clean-up and consulting with TPWD and/or the USFWS prior to any anomaly- response activity that may impact sensitive wildlife habitat.									
Part				23. In the event of an anomaly that creates debris on NWR fee-owned or managed lands, SpaceX would be required to obtain a Special Use Permit on an emergency basis from the USFWS, as applicable, for clean-up activities.									
A Company Review Controlled For Michael and Principles Controlled For Mich				Response Plan, as applicable. 25. Prior to any in-water work (i.e., debris recovery or sinking), SpaceX will ensure all ballast and vessel hulls do not pose									
A Company Review Controlled For Michael and Principles Controlled For Mich	73	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	a risk of infroducing new invasive species and that project implementation will not increase abundance of invasive species present at the project site. SpaceX will sanitize any equipment that has been previously used in an area known to contain invasive species prior to its use for project activities.									
And the control of th				26. The FAA will coordinate with NMFS in the case of a launch failure and any vessel grounding to determine if consultation re-initiation is appropriate									
Weight and continued from the continued of the continued	75	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	28. SpaceX will implement the conservation measures, many of which include related monitoring and reporting measures,									
Part Company Process Standing (Fig. 1988), as of Process Company Process Standing (Fig. 1988), as of Process				described in the Proposed Action that address aspects of construction, operation, anomaly elegionise, educational briefings, and other conservation measures and 33 voluntary offsets. These measures minimize habitat modification, which can cause take via harm, for the coalot, jaguarundi, northern aplomado falcon, pring plover, red knot, and/or sea									
Part Company Process Standing (Fig. 1988), as of Process Company Process Standing (Fig. 1988), as of Process	76	siological Hesources (including Fsit, Wildlife, and Plants)	Ungoing	turiles. These conservation measures require implementation, with updates as described, of certain facility and operational plans: a. Lighting Management Plan b. Fire Mitigation and Response Plan c. SPCC Plan d. SWPPP e. Anomaly, Response Plan f. Access Restriction Notification Plan g. Site Security Plan h. Traffic Centrel Plan i. Biological									
Service of the control of the contro													
Service of the control of the contro	77	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	litter along the road. The clean-up efforts will take place within the SH 4 right-of-way. SpaceX will keep all vehicles used to support cleanups on designated readways. SpaceX will report the dates of the cleanups in the annual monitoring report submitted to the USPWS. This measure minimizes the servicity of habitat modifications (i.e., the presence of litter or									
Selection of the control of the cont				garbage) that may attract animals that prey on or compete with northern aplomado falcons, piping plovers, red knots, or sea turfles. This measure also benefits ocelots and jaguarunds by minimizing the likelihood or severity of increased prey concentrations along SH 4 that could lead to increased vehicle collision mortality.									
Header of the control				30. SpaceX will ensure that staff and confractors place non-hazardous waste materials, litter, and other discarded materials, such as construction waste, on the VLA in containers until removed from the site. All trash containers will have									
Header of the control	78	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	precarbi-proce secured has and one expired execution and interest and maken which the territories regularly. This measure minimizes the severity of habitat modifications (i.e., the presence of little or garbage) that may attract animals that prey on or compete with northern apriomado falcons, piping plovers, red knots, or sea turtles. This measure 34 also benefits ocelots									
Belgar Researce (including Fan, Hallah, and Parall) Open Service of Comment of Comment of the Comment of the Service of the S													
Belgar Researce (including Fan, Hallah, and Parall) Open Service of Comment of Comment of the Comment of the Service of the S	79	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	e., minimizing habitar modification) of the piping plaver, red knot, and sea turties to the beach. SpaceX will perform these beach cleanups for 1.5 miles north and south of the VLA. SpaceX will provide the opportunity for resource agencies (i.e., TGLO, USPVIS) to participate and teach the community about the area's wildlife, sensitive areas, beach debris, and									
In particular plants of partic				beach cleanup. SpaceX will report the dates of the cleanups in the annual monitoring report submitted to the USFWS. 32. SpaceX will coordinate with TxDOT to help ensure that the shoulders of SH 4 east of the first public hard checkpoint									
1 Billiogra Resources (Schooling Fall, Visible, and Paris) 2 Resignate Resources (Schooling Fall, Visible, and Paris) 3 Resignate Resources (Schooling Fall, Visible, and Paris) 4 Resignate Resources (Schooling Fall, Visible, and Paris) 4 Resignate Resources (Schooling Fall, Visible, and Paris) 5 Resignate Resources (Schooling Fall, Visible, and Paris) 5 Resignate Resources (Schooling Fall, Visible, and Paris) 6 Resignate Resources (Schooling Fall, Visible, and Paris) 6 Resignate Resources (Schooling Fall, Visible, and Paris) 7 Resignate Resources (Schooling Fall, V	80	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	for performing roadway vegetation maintenance. This measure minimizes vegetation cover along SH 4 and minimizes the									
## Indigrated Processes (Section of Processes) ## Indigrated Processes (Secti				33. SpaceX will construct a barrier along the northern boundary of the VLA to assist in keeping									
A Coppose Notice for the content of the content o	81	isorogical Resources (including Fish, Wildlife, and Plants)	Ongoing	transmission. Construction of the barrier wall will be completed prior to the start of launch operations. This measure will minimize the extent and severify of habitat modification for piping plovers and not knots that use areas adjacent to the VLA.									
15. Biological Resources (outding Fax, Worlds, and Puris) 16. Dispose of somewhat the fact of the source of promotion and the control of the source of the	82	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	34. Changenic testing and other prossure tanks used under the Proposed Action will be tethered by cables when									
Biological Resources (producing Fan, Wolde, and Purcis) Organic State of the Company of the Com				35. SpaceX will minimize noise from generators that may be used during construction and/or operations at the VLA under the Proposed Action. SpaceX will pround that represents are placed within haffle homes (a grund, resistant boy that is									
All Escape of Resources (including Fair, Wolfe, and Person) Opposite Services (including Fair, Wolfe, and Person) Oppos	83	prorognal Mesources (including Fish, Wildlife, and Plants)	Ungoing										
Lighting Management Plan and this are for indirection Security of malant middles and the Surface of the Surface				36. SpaceX will perform inspections of the lighting installed as part of the Proposed Action on a biweekly basis during the sea turtle nesting and hatching season (March 15 to October 1) to 35 ensure that the minimization measures specified in the Linkholm Management I plea are installed and in nord working notine. SpaceX will drovered controllance with the									
27. Space of an emborrough legit makes of the State of th	84	sicrogical resources (including Fish, Wildlife, and Plants)	Ongoing	Lighting Management Plan and note any deviations. SpacoX will address deviations with the USPWS on a timely manner to implement corrective actions. SpacoX will report any deviations and responsive actions to the USPWS in its annual month. This management minimizes the executive of the property of the control of the cont									
Bill Biological Resources (including Fain, Wildish, and Parisis) Oppored Resources (including Fain, Wildish, and Parisis) Oppored Biological Resources (including Fain, Wildish, and Parisis) Oppored And Concellent Wildish, and Parisis) Oppored Biological Resources (including Fain, Wildish, and Parisis) Oppored Biological Resources (including Fain, Wildish, and Parisis) Oppored And Concellent Wildish, and Parisis) Oppored Biological Resources (including Fain, Wildish, and Parisis) Oppored And Concellent Wildish, and Parisis) Oppored Biological Resources (including Fain, Wildish, and Parisis) Oppored And Concellent Wildish, and Parisis) Oppored And Concellent Wildish, and Parisis) Oppore													
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Bill Biological Resources (including Fain, Wildish, and Parisis) Oppored Resources (including Fain, Wildish, and Parisis) Oppored Biological Resources (including Fain, Wildish, and Parisis) Oppored And Concellent Wildish, and Parisis) Oppored Biological Resources (including Fain, Wildish, and Parisis) Oppored Biological Resources (including Fain, Wildish, and Parisis) Oppored And Concellent Wildish, and Parisis) Oppored Biological Resources (including Fain, Wildish, and Parisis) Oppored And Concellent Wildish, and Parisis) Oppored Biological Resources (including Fain, Wildish, and Parisis) Oppored And Concellent Wildish, and Parisis) Oppored And Concellent Wildish, and Parisis) Oppore			'	with use the information to identify any practicable opportunities for modifying lighting at the VLA (with updates to the Lighting Management Plan, as appropriate) that reduce light levels at the basch white maintaining operational needs for safety and security. SpaceX will document and summarize its monitoring and any responsive actions in the annual record									
Sill-Special Resources (including Flair, Wilside, and Pariss) Oligonial Resources (including Flair, Wilside, and Pariss) Oli	ap.	Biological Resources (including Fish Wilnillia and Planter)	Oppoint										
Belogical Resources (notating Fair, Wildile, and Paris) Organic Biological Resources (notating Fair, Wildile, and Paris) Organic Biological Resources (notating Fair, Wildile, and Paris) Organic Biological Resources (notating Fair, Wildile, and Paris) Organic Biological Resources (notating Fair, Wildile, and Paris) Organic Biological Resources (notating Fair, Wildile, and Paris) Organic Biological Resources (notating Fair, Wildile, and Paris) Organic Biological Resources (notating Fair, Wildile, and Paris) Organic Biological Resources (notating Fair, Wildile, and Paris) Organic Biological Resources (notating Fair, Wildile, and Paris) Organic Biological Resources (notating Fair, Wildile, and Paris) Organic Biological Resources (notating Fair, Wildile, a	ud.	g t date, encourage, date or self-like)	grand	development and implementation of associated water quality motining in contribution with a superior of the property of the start of construction activities under the									
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Biological Resources (including Flax, Wildels, and Pariss) Copen Biological Resources (including Flax													
80 Biological Resources (rocksing Fain, Wildelle, and Paris) 91 Biological Resources (rocksing Fain, Wildelle, and Paris) 92 Biological Resources (rocksing Fain, Wildelle, and Paris) 93 Biological Resources (rocksing Fain, Wildelle, and Paris) 94 Biological Resources (rocksing Fain, Wildelle, and Paris) 95 Biological Resources (rocksing Fain, Wildelle, and Paris) 96 Biological Resources (rocksing Fain, Wildelle, and Paris) 97 Biological Resources (rocksing Fain, Wildelle, and Paris) 98 Biological Resources (rocksing Fain, Wildelle, and Paris) 99 Biological Resources (rocksing Fain, Wildelle, and Paris) 90 Biological Resources (rocksing Fain, Wildelle, and Paris) 90 Biological Resources (rocksing Fain, Wildelle, and Paris) 91 Biological Resources (rocksing Fain, Wildelle, and Paris) 92 Biological Resources (rocksing Fain, Wildelle, and Paris) 93 Biological Resources (rocksing Fain, Wildelle, and Paris) 94 Biological Resources (rocksing Fain, Wildelle, and Paris) 95 Biological Resources (rocksing Fain, Wildelle, and Paris) 96 Biological Resources (rocksing Fain, Wildelle, and Paris) 97 Biological Resources (rocksing Fain, Wildelle, and Paris) 98 Biological Resources (rocksing Fain, Wildelle, and Paris) 99 Biological Resources (rocksing Fain, Wildelle, and Paris) 90 Biological Resources (rocksing Fain, Wildelle, and Paris) 91 Biological Resources (rocksing Fain, Wildelle, and Paris) 92 Biological Resources (rocksing Fain, Wildelle, and Paris) 93 Biological Resources (rocksing Fain, Wildelle, and Paris) 94 Biological Resources (rocksing Fain, Wildelle, and Paris) 95 Biological Resources (rocksing Fain, Wildelle, and Paris) 96 Biological Resources (rocksing Fain, Wildelle, and Paris) 97 Biological Resources (rocksing Fain, Wildelle, and Paris) 98 Biological Resources (rocksing Fain, Wildelle, and Paris)	88	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	Proposed Action using flagging or temporary construction fence and no 36 disturbance outside that perimeter will be authorized. This measure minimizes the extent of habitat modification for the piping plover and red knot that use area adapted to the VLA.									
4. Spook will date any great of spool freedoms (relating Flat, Wildfa, and Paris) 6. Disport Resources (rel	89	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	41. SpaceX shall use areas within the project boundary or other area subject to prior disturbance for staging, parking, and equipment storage in connection with the Proposed Action. This measure minimizes the extent of habitat modification for									
Biological Resources (including Fair, Wildfair, and Paries) Ulmonom Biological Resources (including Fair, Wildfair, and Paries) Copyring Copyring Copyring Biological Resources (including Fair, Wildfair, and Paries) Copyring Copyrin		Sicholard Decourage Socketing Table 1887	Oscalar	42. SpaceX will obtain any gravel or topsoil needed during construction activities under the Proposed Action from existing developed on reprinciply used sources, and not from unfirst inhed areas that provide babilist for the opeint innumeral.									
Biological Resources (including Fall, Wildfall, and Pariss) 4. In condicidation with TACH and the GUFFMI. Special was all set upon a rough of the Submitted of	90	universal Palacources procusing Hist, Wildlife, and Plants)	Unigoing										
Biological Resources (including Fall, Wildfall, and Pariss) 4. In condicidation with TACH and the GUFFMI. Special was all set upon a rough of the Submitted of	91	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	Action, SpaceX will ensure the best practices are applied at the VLA that minimize the deposit of erroded materials cutside the boundary of the VLA. This measure minimizes the severity of habitat modification for the piping prover and red loss of the deposition of practical feet or on a filter that will exceed the deposition of the VLA.									
AS Sport with belief condition of the Diff regarding the students of	92	Biological Resources (including Fish, Wildlife, and Plants)	Incomplete	At In coordination with TxDOT and the USFWS, SpaceX will install five signs along SH4 to inform the public on areas (such as sensitive areas of the NMR and the dunes) where they may not watch encoing activities and isunches News									
Some of distances (reclaring Flair, Wilddle, and Parios) 64 Biological Resources (including Flair, Wilddle, and Parios) 65 Biological Resources (including Flair, Wilddle, and Parios) 66 Biological Resources (including Flair, Wilddle, and Parios) 67 Biological Resources (including Flair, Wilddle, and Parios) 68 Biological Resources (including Flair, Wilddle, and Parios) 69 Biological Resources (including Flair, Wilddle, and Parios) 60 Biological Resources (including Flair, Wilddle, and Parios) 60 Biological Resources (including Flair, Wilddle, and Parios) 61 Biological Resources (including Flair, Wilddle, and Parios) 62 Biological Resources (including Flair, Wilddle, and Parios) 63 Biological Resources (including Flair, Wilddle, and Parios) 64 Biological Resources (including Flair, Wilddle, and Parios) 65 Biological Resources (including Flair, Wilddle, and Parios) 66 Biological Resources (including Flair, Wilddle, and Parios) 67 Biological Resources (including Flair, Wilddle, and Parios) 68 Line Resources (including Flair, Wilddle, and Parios) 69 Biological Resources (including Flair, Wilddle, and Parios) 60 Biological Resources (including Flair, Wilddle, and Parios) 60 Biological Resources (including Flair, Wilddle, and Parios) 61 Biological Resources (including Flair, Wilddle, and Parios) 62 Biological Resources (including Flair, Wilddle, and Parios) 63 Biological Resources (including Flair, Wilddle, and Parios) 64 All Association and an analysis of the State of th				wount be installed within 6 months of issuance of the BO. 45. SpaceX will initiate continuation with TXIOT within 30 days of issuance of the BO regarding the installation of up to five additional widdle containing signs along SI 4 for a total of ten sions (five in each intention) to nature the risk of									
46 Special Resources (including Fair, Wildelle, and Parties) Copyring 46 Special Resources (including Fair, Wildelle, and Parties) Copyring 47 Special Resources (including Fair, Wildelle, and Parties) Copyring 48 Special Resources (including Fair, Wildelle, and Parties) Copyring 48 Special Resources (including Fair, Wildelle, and Parties) Copyring 48 Special Resources (including Fair, Wildelle, and Parties) Copyring 48 Special Resources (including Fair, Wildelle, and Parties) Copyring 59 Special Resources (including Fair, Wildelle, and Parties) Copyring 50 Special Resources (including Fair, Wildelle, and Parties) Copyring 50 Special Resources (including Fair, Wildelle, and Parties) Copyring 50 Special Resources (including Fair, Wildelle, and Parties) Copyring 50 Special Resources (including Fair, Wildelle, and Parties) Copyring 51 Special Resources (including Fair, Wildelle, and Parties) Copyring 52 Special Resources (including Fair, Wildelle, and Parties) Copyring 53 Special Resources (including Fair, Wildelle, and Parties) Copyring 54 Special Resources (including Fair, Wildelle, and Parties) Copyring 55 Special Resources (including Fair, Wildelle, and Parties) Copyring 56 Special Resources (including Fair, Wildelle, and Parties) Copyring 57 Special Resources (including Fair, Wildelle, and Parties) Copyring 58 Special Resources (including Fair, Wildelle, and Parties) Copyring 59 Special Resources (including Fair, Wildelle, and Parties) Copyring 50 Special Resources (including Fair, Wildelle, and Parties) Copyring 50 Special Resources (including Fair, Wildelle, and Parties) Copyring 50 Special Resources (including Fair, Wildelle, and Parties) Copyring 50 Special Resources (including Fair, Wildelle, and Parties) 50 Special Resources (including Fair, Wildelle, and Parties) Copyring 50 Special Resources (including Fair, Wildelle, and Parties) Copyring 50 Special Resources (including Fair, Wildelle, and Parties) Copyring 51 Special Resources (including Fair, Wi	93	Biological Resources (including Fish, Wildlife, and Plants)	Unknown										
plones and rise brown. See Biological Resources (including Fair, Wildilla, and Parits) Biological Resources (including Fair, Wildilla, and Parits) Ulmonut Biological Resources (including Fair, Wildilla, and Parits) Ulmonut Discourage Resources (including Fair, Wildilla, and Parits) Ulmonut Discourage Resources (including Fair, Wildilla, and Parits) Ulmonut All Biological Resources (including Fair, Wildilla, and Parits) Ulmonut Discourage Resources (including Fair, Wildilla, and Parits) Ulmonut All Biological Resources (including Fair, Wildilla, and Parits) Ulmonut All Resources (including Fair, Wildilla, and Parits)	94	Biological Resources (including Fish, Wildlife, and Plants)	Ongoing	46. SpaceX security patrol whicles or other necessary SpaceX vehicles on Boca Chica Beach will be driven above the well lim!" (i.e., the line on the beach where waves reach and repeatedly wet the sand at the time the driver passes by) and at a secret roll to expect its property. This improves procedure the control of the property of of the pr									
for the Section of Section (Section Section Se			1.										
for the Section of Section (Section Section Se		Relation Decourses (schuling Eich WARF*	Onon'	turties, birds, and vegetation changes. Monitoring reports will be included as part of the SpaceX's annual monitoring reports submitted to the USEXVIS. After five years of monitoring, and when SpaceX applies for a renewal or extension of its license or permitting the USEXVIS. PAR, and SpaceX will evaluate the need to modify, adapt. or discontinue the emonitoring									
Set Biological Resources (including Fait), Wildfalls, and Plants) Uniform Uniform Discovery will continue to differ enhanced satellite monitoring via solar powerset Sourfalls in the Plant part of the continuous via decompany of northern guidente formed for the continuous via decompany of morthern guidente part of the continuous via decompany of morthern guidente part of the continuous via decompany of morthern guidente part of the continuous via decompany exempt. Speack will continue to the continuous via decompany for the discovered exempting from the continuous via decompany exempt. Speack will continue to the continuous via decompany for the discovered exempting from the continuous via decompany exempt. Speack will continue to the continuous via decompany for the discovered exempting from the continuous via decompany exempting exempting fro	95	somegnum middeletate producing nam, westell, 200 Plants)	ungaing	Sea turtle monitoring on Boca Chica Beach will be conducted prior to implementation of access restrictions and security sweeps for, and as soon as practicable after, suborbital and orbital launches. Post-launch monitoring can be conducted by Sea Tuttle Inc. ** markle to reconstructed monitoring can be conducted by Sea Tuttle Inc. ** markle to reconstructed monitoring can be conducted by Sea Tuttle Inc. ** markle to reconstructed monitoring can be conducted by Sea Tuttle Inc. ** markle to reconstructed monitoring can be conducted by Sea Tuttle Inc. ** markle to reconstructed monitoring can be conducted by Sea Tuttle Inc. ** markle to reconstructed monitoring can be conducted by Sea Tuttle Inc. ** markle to reconstructed monitoring can be conducted by Sea Tuttle Inc. ** markle to reconstructed monitoring can be conducted by Sea Tuttle Inc. ** markle to reconstructed monitoring can be conducted by Sea Tuttle Inc. ** markle to reconstructed monitoring can be conducted by Sea Tuttle Inc. ** markle to reconstructed monitoring can be conducted by Sea Tuttle Inc. ** markle to reconstructed monitoring can be conducted by Sea Tuttle Inc. ** markle to reconstructed monitoring can be conducted by Sea Tuttle Inc. ** markle to reconstructed monitoring can be conducted by Sea Tuttle Inc. ** markle to reconstructed monitoring can be conducted by Sea Tuttle Inc. ** markle to reconstructed monitoring can be conducted by Sea Tuttle Inc. ** markle to reconstructed monitoring can be conducted by Sea Tuttle Inc. ** markle to reconstructed monitoring can be conducted by Sea Tuttle Inc. ** markle to reconstructed monitoring can be conducted by Sea Tuttle Inc. ** markle to reconstructed monitoring can be conducted by Sea Tuttle Inc. ** markle to reconstructed monitoring can be conducted by Sea Tuttle Inc. ** markle to reconstructed monitoring can be conducted by Sea Tuttle Inc. ** markle to reconstructed monitoring can be conducted by Sea Tuttle Inc. ** markle to reconstructed monitoring can be conducted by Sea Tuttle Inc. ** markle to									
97 Biological Resources (including Flat, Wilds), and Parists) Contingent Contraction Contr	96	Biological Resources (including Fish, Wildlife, and Plants)	Unknown	48. SpaceX will continue to offer enhanced satellite monitoring via solar powered Starlink to the Peregrine Fund for									
Set Biological Resources (notating Fain, Widdle, and Pierre) (Unicone) (50 Speach will provide a decidational group last fair Turble, I.v., uniquely to monitor Social Chica designation and provide a decidational private plant Europealy to monitor Social Chica designation and provide social private plant Europeal (Sec.) Collections (50 Speach will provide a decidational private plant Europealy to monitor Social Chica designation and private social Ch				49. If sea turtle nests are discovered prior to closure and security sweeps, SpaceX will coordinate with Sea Turtle Inc. to remove eoss prior to launch. Findings will be included in the annual report to the USFWS.									
	98	Biological Resources (including Fish, Wildlife, and Plants)	Unknown	 SpaceX will provide a dedicated space for Sea Turtle, Inc. volunteers on SpaceX property to monitor Boca Chica Beach use and to conduct pre- and post- faunch surveys at Boca Chica Beach 									

Finding ID	Category	Status	Text	Action	httns	riiwww.faa.nn	wishesifaa myifilesi?it	22,06/20220613	9520SnaneX%2	Starshin's 20Sun	or5.20Hopuv5.20	ar%20Rnna%200	nica FONSI RO	D%20Final net	
99	Biological Resources (including Fish, Wildlife, and Plants)	Contingent	5.1 If SpaceX plans to conduct more than two of the ten annual launches under the Proposed Action at night during the case burtien resting and instahting season (March 15th — Cobbert 1st), SpaceX and the FAA will contact the USFNS within 30 days of the third nighttene launch (and any subsequent righttime launches planned during that year) to discuss if there is a need for additional take authorization.												
100	Biological Resources (including Fish, Wildlife, and Plants)	Contingent	52. SpaceX will submit an annual monitoring report to the USFWs by March 1st for the preceding calendar year. The annual report will include monitoring results, measures an explemented during project activities, societies of such measures, annual report will include monitoring results, measures and report of the project activities, societies of such measures, under the project activities, societies of the measures, under the project activities, societies of the measures of the project activities, societies of the measures of the project activities of the measures of the project activities of the measures of the												
101	Biological Resources (including Fish, Wildlife, and Plants)	Contingent	S3. If the FAA issues SpaceX a whick operator isomes for StarshjoSuper Heavy launch operations at the Book Chica Launch Star, the BO would expire concurrent with the expiration of the FAA's iscense. SpaceX will notify the USFWS Y SpaceX plans to continue FAA-Increased admissis (i.e., 35 applying for iscense reviewal or a new iscense) to later than 6 months before FAA's iscense expires. The FAA would conduct its consultation obligations as required under ESA Section 7-as part of its evaluation of SpaceX is iscense application.												
102	Land Use	Contingent	SpaceX would notify and coordinate with the oil and gas operators prior to any launch (including landing).												
103	Land Use	Complete	2. The measures listed above under Department of Transportation Act Section 4(f) would also mitigate land use impacts.												
104	Hazardous Materials, Solid Waste, and Pollution Prevention	Contingent	 SpaceX would handle any release of a hazardous material according to the management procedures described in its Anomaly Response Plan. 												
105	Hazardous Materials, Solid Waste, and Pollution Prevention	Ongoing	SpaceX would comply with all applicable federal, state, and local rules and regulations pertaining to the proper storage, handling, and use of hazardous materials.												
106	Hazardous Materials, Solid Waste, and Pollution Prevention	Unknown	 SpaceX would implement its SPCC Plan to prevent and address accidental spills or releases of hazardous materials. 												
107	Hazardous Materials, Solid Waste, and Pollution Prevention	Contingent	 SpaceX would report any release of a hazardous material in the Gulf of Mexico through the U.S. Coast Guard National Response Center; releases in tidal waters would also be reported to TGLO. 												
108	Hazardous Materials, Solid Waste, and Pollution Prevention	Contingent	SpaceX would comply with the International Convention for the Prevention of Pollution from Ships Annex IV and the CWA NPDES Program regarding vessel discharge of large commercial vessels for offshore landings on platforms.												
109	Hazardous Materials, Solid Waste, and Pollution Prevention	Ongoing	 SpaceX would implement the appropriate handling and management procedures for hazardous materials when venting residual LOX and LCH4. 												
110	Hazardous Materials, Solid Waste, and Pollution Prevention	Ongoing	Hazardous materials such as fuels, ordnance, chemicals, and payload components would be transported over public transportation routes to the appropriate facilities in accordance with DOT regulations												
111	Hazardous Materials, Solid Waste, and Pollution Prevention	Contingent	SpaceX would treat or remove any soils adversely affected by spills in accordance with applicable federal and state regulations.												
112	Hazardous Materials, Solid Waste, and Pollution Prevention	Contingent	In the event of an anomaly, SpaceX would respond to all accidental releases of polluting substances quickly and implement appropriate clean-up measures in accordance with applicable laws to minimize impacts to the environment.												
113	Hazardous Materials, Solid Waste, and Pollution Prevention	Complete	10. SpaceX would store solid wastes in covered receptacles until disposal to avoid offsite deposition, recycle solid wastes to the extent practicable, and dispose of the remaining solid waste in appropriately permitted landfills.												
114	Hazardous Materials, Solid Waste, and Pollution Prevention	Contingent	11. SpacoX would collect, store, and dispose of hazardous materials, substances, and wastes used and generated as part of recovery operations using practices that minimize the potential for accidental releases or contact with atom or markine water and in accordance with the Hazardous Materials and Emergency Response Plan, SWPPQ, and SPCC Plan, as well as Resource Conservation and Recovery Act and Occupational Safety and Health Administration regulations.												
115	Hazardous Materials, Solid Waste, and Pollution Prevention	Complete	 SpaceX would assemble an emergency response team that would be responsible for responding to hazards and spills for all Starship/Super Heavy propellants. 												