

Analysis of Impacts

This table presents seven of the 13 resource areas that were analyzed in the Draft Environmental Assessment (EA). Refer to the Executive Summary tables in the Draft EA for a more detailed description of impacts.

Resource Area	Impact Summary
Health and Safety	No substantial health and safety impacts would occur. Existing safety procedures and regulations would be followed in the transport, handling, and management of propellants/industrial chemicals to prevent any harmful exposure.
Land Use	No substantial impacts are anticipated because major land use changes would not occur under the proposed action, and there are no plans to alter the existing land use for the Spaceport Territory. Land use would be considered compatible with the Day Night Level (DNL) 65 noise contour. No section 4(f) properties would be affected.
Noise	Concept X and Z vehicles' noise would be roughly equivalent to the C-141A aircraft, and would not result in a change in noise exposure. Concept Y vehicles would ignite rocket engines on the runway, but this would be similar to existing jet noise at the CSIA and would not exceed applicable thresholds of significance. Concept X and Concept Z vehicles would create sonic booms, but they would be less than the standard threshold of significance.
Socioeconomics and Environmental Justice	No substantial impacts are anticipated for socioeconomic factors. No disproportionately high and adverse impacts are expected on minority or low-income populations. Children's health would not experience disproportionate adverse impacts.
Transportation	Road and rail systems around the CSIA would not experience unacceptable increases in the ratio of volume-to-capacity. Additional traffic management controls would minimize impacts from tourist activity during peak periods.
Visual Resources	No substantial impacts are anticipated because the CSIA is a low visual sensitivity area and the activities under the proposed action would not be visually dominant in the area around the CSIA.
Water Resources	Wetlands and floodplains would not be impacted, and no new discharges would be released into the wetlands. Any spills or releases that could impact ground water or surface water would be cleaned up.

No significant impacts are expected for any of the resource areas.