



## Florida

### Cape Canaveral AFS

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#### ***Facility and Location***

Cape Canaveral Air Force Station (CCAFS) is located at Cape Canaveral in Brevard County on Florida's Atlantic coastline near the city of Cocoa Beach. CCAFS is located on the northern portion of a barrier island on 15,804 acres. The island is bounded by the Atlantic Ocean to the east and the Banana River to the west. CCAFS, the site of many historic launches, is the east coast space launch facility for the DoD.

#### ***Media Sampled and Findings***

**Drinking Water** — Prior to 2007, two samples reported no detection.

**Groundwater** — In 2011, 2 of 11 samples detected perchlorate at 14.4 and 37.2 ppb. In 2010, 6 of 25 samples detected perchlorate from 4.4 to 3,310 ppb. Prior to 2007, 11 samples reported no detection. The Air Force also sampled groundwater at one active launch complex (SLC-17) where solid rocket motors had been employed as well as at the hangar where empty solid rocket boosters from the space shuttle are managed/processed (post-launch after they are retrieved from the ocean). The results were non-detect.

**Wastewater** — In 2007, one sample detected perchlorate at 2.8 ppb. Prior to 2007, three of three samples detected perchlorate from 0.15 to 0.91 ppb.

#### ***Appropriate Actions***

Groundwater samples were above EPA and DoD Preliminary Remediation Goal of 15 ppb. These samples were taken at an active open burn/open detonation range which operates under a state permit. Monitoring is performed regularly under this permit.

Cape Canaveral AFS plans to collect additional perchlorate data in the vicinity of Hangar AF, a NASA facility where shuttle solid rocket boosters are processed post launch. Wells already exist due to prior Installation Restoration Program assessments. Continued sampling will be performed in conjunction with the explosive ordnance disposal range's operating permit, along with additional delineation of the area where previous exceedances occurred. Monitoring is performed in accordance with the permit on a regular basis. The installation is working with the Florida Department of Environmental Protection to determine an appropriate delineation/remediation strategy.