



2022 Secretary of Defense Environmental Awards Sustainability, Industrial Installation Award

Each year since 1962, the Secretary of Defense has honored installations, teams, and individuals for outstanding achievements in Department of Defense (DoD) environmental programs. These accomplishments include outstanding conservation activities, innovative environmental practices, and partnerships that improve quality of life and promote efficiencies without compromising DoD's mission success. The 2022 Secretary of Defense Environmental Awards cycle encompasses an achievement period from October 1, 2019, through September 30, 2021 (Fiscal Years [FY] 2020-2021). A diverse panel of 53 judges with relevant expertise representing Federal and state agencies, academia, and the private sector evaluated all nominees to select one winner for each of the nine categories. These nine categories cover six subject areas including natural resources conservation, environmental quality, sustainability, environmental restoration, cultural resources management, and environmental excellence in weapon systems acquisition.

About the Sustainability, Industrial Installation Award

The Sustainability, Industrial Installation award recognizes efforts to prevent or eliminate pollution at the source, including practices that increase efficiency and sustainability in the use of raw materials, energy, water, or other resources. The sustainability award also recognizes energy efficiency and renewable energy practices, greenhouse gas emission reduction efforts, procurement of sustainable goods and services, waste diversion, electronic stewardship, and efforts to plan for adaptation and resilience. Sustainable practices ensure that DoD protects valuable resources critical to mission success. Industrial installations have a primary mission of manufacturing, maintaining, rehabilitating, or storing military equipment, such as depots, fleet readiness centers, air logistics centers, regional logistics/supply support centers, armaments plants, shipyards, and other manufacturing plants. The 2022 winner of the Sustainability, Industrial Installation award is *Naval Weapons Station Seal Beach and Detachment Fallbrook and Norco, California*.

About Naval Weapons Station Seal Beach and Detachment Fallbrook and Norco, California

Naval Weapons Station Seal Beach, California, and its detachments in Fallbrook and Norco, California, are critical to the Navy's mission through ordnance storage and loading, missile maintenance, and weapons systems assessment, in support of the U.S. Pacific Fleet. The three southern California installations are consolidated under the command of Seal Beach. Natural resources stewardship for approximately 14,000 acres, including numerous endangered and sensitive habitats, has heightened leadership's focus on sustainability. With a culture of continuous improvement and ownership, all personnel help to reduce the installation's environmental footprint while simultaneously enhancing long-term readiness.



The Naval Weapons Station Seal Beach Hazardous Waste Team (from left to right): Mr. Richard Wilson, Mr. Justin Wilhelm, and Mr. Steve Crandall.

Major Accomplishments in FY 2020-2021

- The Naval Weapons Station Seal Beach and Detachment Fallbrook and Norco Hazardous Waste team performed an opportunity assessment in conjunction with the SMART Shop initiative to achieve the 10-percent reduction in Hazardous Waste annual goal. In calendar year (CY) 2020, the team reduced Resource Conservation and Recovery Act (RCRA)/non-RCRA waste by 21 percent from the CY19 baseline across all three installations. The team is tracking for greater than 30-percent reduction in CY21, surpassing installation objectives.
- The installation's Sustainable Solid Waste Program has consistently exceeded DoD waste diversion goals since FY19. During the achievement period, the team diverted over 2,720 tons of Construction and Demolition waste, providing the Navy with a total disposal cost avoidance of \$183,500. The effort resulted in a diversion rate of 91 percent, exceeding the DoD goal of 60 percent.
- The installation awarded the FY21 Utility Energy Services Contract to fund multiple projects identified by the three pillars of an energy security approach. Upon completion of the projects, the installation saved an estimated \$430,202 a year on electricity, natural gas, and water conservation and continues to work toward meeting installation sustainability and energy security objectives.
- Naval Weapons Station Seal Beach Environmental was awarded state grant funds to install multiple Private Owned Vehicle installation charging stations. From May 2020 through September 2021, the Navy Exchange electrified 5,504 kilowatt hours for charging electric vehicles. This action saved a total of 3,287 kilograms of greenhouse gases, which is equivalent to saving 690 gallons of gas that gasoline-powered vehicles would have used.
- The installation constructed Low Impact Developments (LIDs) to ensure all runoff from the parking area at the Seal Beach Reserve Center is contained on site and does not enter an adjacent drainage channel flowing to the Anaheim Bay. The newly installed LIDs provide over 40,000 cubic feet of water storage across the three installations and eliminate runoff from potential industrial operations.
- The installation's Environmental Management System SMART Shop Process inspects facilities annually as buildings compete to identify facility gaps, find building deficiencies, and assess energy and water conservation. During the achievement period, three Navy Munitions Command (NMC) Pacific operations received the perfect score of 4.0. The NMC Standard Missile Shop received a perfect score two years in a row and NMC Underwater Weapons and Fallbrook NMC Missile Maintenance also received a perfect score in 2021.



Picture of two Level 2 charging stations for Private Owned Vehicles at the installation's Navy Exchange.



Erosion control at the Seal Beach Reserve Center. The installation installed multiple retention basins and LIDs to ensure building and surface runoff is captured before draining into adjacent channels leading to the Anaheim Bay.