



2017 Secretary of Defense Environmental Awards Environmental Quality, Industrial Installation Award

Each year since 1962, the Department of Defense (DoD) has honored installations, teams, and individuals for outstanding conservation achievements, innovative environmental practices, and partnerships that improve quality of life and promote efficiencies without compromising mission success. The 2017 Secretary of Defense Environmental Awards cycle encompasses an achievement period from October 1, 2014, through September 30, 2016 (Fiscal Years (FY) 2015-2016). A diverse panel of 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 that cover six subject areas: natural resources conservation; environmental quality; sustainability; environmental restoration; cultural resources management; and environmental excellence in weapon system acquisition.

About the Environmental Quality, Industrial Installation Award

The Environmental Quality, Industrial Installation award recognizes an industrial installation that has made significant progress to accomplish the mission and protect human health in the areas of environmental planning, waste management, and compliance with environmental laws and regulations (e.g., Clean Air Act, Clean Water Act, Safe Drinking Water Act, or equivalent overseas governing standards). Meeting or exceeding all environmental requirements not only enhances the protection of our environmental assets, but also sustains DoD's ability to effectively train and maintain readiness. The 2017 winner of the Environmental Quality, Industrial Installation award is *Marine Corps Logistics Base Barstow, California*.

About Marine Corps Logistics Base Barstow, California

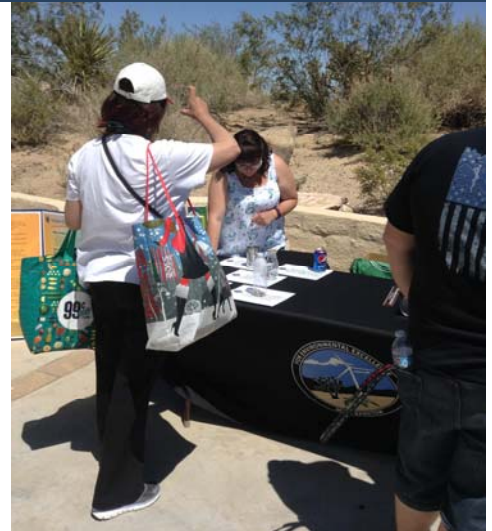
Marine Corps Logistics Base (MCLB) Barstow is located in the high desert of western San Bernardino County, California. The base includes a diverse collection of large training areas and range areas encompassing 5,567 acres within the DoD Southwest Range Complex, and supports approximately 95 military personnel and their families and 1,840 civilian employees. MCLB Barstow is separated into three functional areas. Nebo Main is a large training area, also known as a cantonment area, that houses the MCLB Barstow headquarters and tenant logistical capabilities. Yermo Annex is an industrial repair and storage complex that is home to DoD's largest rail facility. The Annex primarily hosts tenant activities and supports Marine Corps and Army rotations to the National Training Center at Ft. Irwin and the Marine Corps Air Ground Combat Center at Twentynine Palms. There is also a range on the southern edge of Nebo Main that includes a live-fire known distance range complex and open training area. Key functions of the base are to receive, store, and distribute supplies and equipment, and to repair and rebuild DoD equipment in direct support of the U.S. military mission worldwide. MCLB Barstow supports the Marine Corps mission with comprehensive compliance, pollution prevention, conservation, planning, training, and management activities.



Marine Corps Logistics Base Barstow boundaries in relation to surrounding communities.

Major Accomplishments in FY 2015-2016

- MCLB Barstow reduced potable water use from 171 million gallons in FY 2014 to 107.5 million gallons in FY 2016, a reduction of 37% over two years. Through innovative changes to in-house and contract work and partnerships, the base reduced the cost of water program compliance by 50%, from \$1.2 million to \$0.6 million.
- The base improved its Environmental Compliance Evaluation (ECE) program to achieve a 50% reduction in findings during the 2015 Headquarters Marine Corps Benchmark inspection compared to the previous audit in 2011.
- Barstow implemented a three-tiered structure to support compliance and conformance on MCLB Barstow. This allowed the installation to meet both mission and compliance requirements, reduce waste streams, and provide sound stewardship of the base's natural and cultural resources.
- The installation solid waste diversion rate was 73.69% in FY 2015 and 80.52% in FY 2016, well ahead of the Federal mandate of 50%, leading California's "75 Percent Initiative" 2020 goal set by the Governor and Legislature of California.
- MCLB Barstow developed and implemented an integrated Environmental/Energy Management System Manual and an Environmental Management System that fully conforms to Marine Corps Directives in FYs 2015 and 2016.
- The base passed annual inspections by the Mojave Desert Air Quality Management District (MDAQMD) in both 2015 and 2016 with zero findings, and the Deputy Director of the MDAQMD Compliance Group personally congratulated Barstow on its strong and fully compliant program following the most recent inspection in August 2016.
- MCLB Barstow effected a reduction in hazardous waste disposal of 68% from FY 2015 to FY 2016. A coordinated effort between MCLB Barstow and Marine Depot Maintenance Command to use recyclable blast media for industrial processes will allow for ongoing savings of more than 1 million pounds of waste and \$1 million per year.
- Partnerships with regulators have been essential to maintaining compliance and increasing mission effectiveness:
 - A Memorandum of Agreement with the Bureau of Land Management will allow both agencies to leverage cross-functional scientific support.
 - An agreement with the City of Barstow will realize a cost of savings of \$30,000 annually in laboratory fees.
 - A Memorandum of Understanding with the Mojave Desert Resource Conversation District will allow for invasive tamarisk plant removal and other restoration activities along the northern boundary of Nebo Main in support of the mitigation/compensation program and wildlife wetland sanctuary on the installation.
 - MCLB Barstow organized visits to open lines of communication with the air district, U.S. Fish and Wildlife Service, and Regional Water Board.



Ms. Arely Lessard demonstrates a recycling game during an Earth Day celebration.



Five tons of scrap metals collected for recycling pick-up.