# 2016 Secretary of Defense Environmental Awards
# Sustainability, Industrial Installation Award

Each year since 1962, the Department of Defense (DoD) has honored individuals, teams, and installations for their outstanding achievements and innovative work protecting the environment while sustaining mission readiness. The 2016 Secretary of Defense Environmental Awards recognize accomplishments from October 1, 2013 to September 30, 2015. 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 Sustainability, Industrial Installation Award

The Sustainability, Industrial Installation award recognizes industrial installations that have made significant progress implementing sustainable practices. This award acknowledges 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 reduction efforts, procurement of sustainable goods and services, and efforts to plan for climate change resilience. Sustainable practices ensure that the DoD protects valuable resources that are critical to mission success. The 2016 winner of the Sustainability, Industrial Installation award is *Marine Corps Support Facility Blount Island, Florida.*

## About Marine Corps Support Facility Blount Island

Marine Corps Support Facility Blount Island (MCSF-BI) is a 1,237-acre maritime development located in Jacksonville, Florida. As the primary tenant, MCSF-BI plans, coordinates, and executes the facility's logistics efforts in support of the Maritime Prepositioning Ships Program and the Marine Corps Prepositioning Program, Norway. MCSF-BI implements and manages the installation's environmental programs through objectives derived from Executive Orders 13514, 13693, and the draft 2011 U.S. Marine Corps (USMC) Sustainability Plan. Through its Environmental Management System (EMS), MCSF-BI has made great progress towards DoD's and USMC's environmental quality goals and metrics.

*Loading equipment onto an MPS Program vessel at MCSF-BI.*

## Major Accomplishments in FY 2014-2015

- MCSF-BI reduced water use 46 percent overall from its FY 2012 baseline. Much of this savings came from installing a new wash rack for large equipment in FY 2014, reducing water use by 733,000 gallons annually. The new wash rack replaces the former chemical process wash rack with a closed-loop, recirculated water system. The new wash rack uses ozone, filtration, and an oil-water separator to treat the wash water resulting in an 85 percent reduction in water use through greater reuse and less waste disposal.

*The skylights installed in Building 450 offset 240,000 kWh worth of electrical lighting.*

- During FY 2014, MCSF-BI reduced hazardous materials (HAZMAT) from 36,380 products to 29,422 HAZMAT products stored onsite. The installation achieved a similar reduction in FY 2015, bringing the number of HAZMAT products stored onsite to 19,429.
- By the end of FY 2015, MCSF-BI's energy intensity was about 47 percent below the FY 2003 baseline. MCSF-BI was already exceeding energy goals and continued to identify opportunities to reduce energy consumption from FY 2014 -2015.

*Land use at MCSF-BI consists of 686 acres of developed industrial land, undeveloped land, open water, and a dredge spoil area.*

- MCSF-BI constructed a new 46,226 square-foot Corrosion Repair Facility. This facility is a closed-loop dehumidification system that dries with low temperatures, eliminates the need for large ovens, has zero emissions, and greatly reduces operational costs. The Corrosion Repair Facility also uses 41.6 percent less energy than the former paint booth.
- MCSF-BI completed an assessment, which found that 8 of the 15 buildings at MCSF-BI that are larger than 5,000 square feet conform to the High Performance and Sustainable Building guiding principles. The target is 15 percent, which means that MCSF-BI is greatly exceeding the target goal.
- MCSF-BI operates a third-party-certified EMS that addresses sustainability through its objectives, targets, and action plans. The staff implemented sustainable practices through an integrated pest management plan; focused training on stormwater and energy conservation measures; and waste/material recycling and management.