# 2019 *Secretary of Defense* Environmental Awards

Mr. Brett Williams, Eglin Wildland Fire Section, takes wind measurements with a portable weather meter during a prescribed burn on Eglin AFB. Prescribed fire simultaneously reduces hazardous fuels, while providing rapid habitat improvement for fire-dependent endangered species.

**Eglin Air Force Base, Florida**

***Natural Resources Conservation, Large Installation***

Eglin AFB partnered with the State of Florida and the Longleaf Alliance to greatly accelerate habitat restoration and population expansion efforts for the reticulated flatwoods salamander. This partnership can allow 3,500 acres to support one to two orders of magnitude more reticulated flatwoods salamanders.

The MCAS Miramar hosts a 100% renewable microgrid that can support over 100 mission-critical facilities for three weeks if disconnected from the grid. The microgrid integrates battery storage, controllable photovoltaic, electric vehicles, and complete load management within the building.

**Marine Corps Air Station Miramar, California**

***Sustainability, Non-Industrial Installation***

Lance Corporals Wandley Alvarez and Zachary McGinnis, MCAS Miramar recycling personnel, sort items at the Recycling Center. The Qualified Recycling Program is an integral component of MCAS Miramar's pollution prevention program and generated more than $207,000 during the award period.

The Washington Army National Guard (WAARNG) focused on improving its management of eight historic armories, including the Centralia Armory on Camp Murray, by coordinating with the State Historic Preservation Officer, tribes, and the local community.

**Washington Army National Guard**

***Cultural Resources Management, Small Installation***

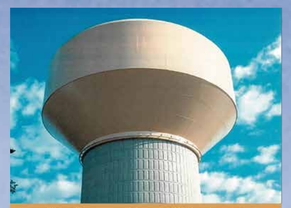
The WAARNG established an inadvertent discovery plan as part of their Integrated Cultural Resource Management Plan. When staff discovered ceramic fragments at the Centralia Armory, the plan enabled immediate site evaluation, recordation, and protection while maintaining the construction schedule.

Staff install a groundwater monitoring well in Waupun, WI, for in-house spill cleanup site investigations. The installation achieved complete closure of the site in May 2018, and personnel eliminated offsite impacts to avoid groundwater use restrictions on adjacent properties.

**Wisconsin Army National Guard**

***Environmental Quality, Industrial Installation***

Mr. Scott Rickard, Construction and Facilities Management Office-Environment, trains soldiers to operate a new fueling system tank monitoring panel. The panel is remotely connected to the Federal network for remote access and efficient management.



A one million gallon storage tank located on NSA's main campus stores reclaimed water for cooling facilities and infrastructure on NSA's East Campus.

**East Campus Reclaimed Water Team, National Security Agency, Fort Meade, Maryland**

***Sustainability, Individual/Team***

The NSA's chilled water distribution system keeps high performing computer systems cool and functional, allowing critical intelligence community missions across the globe to proceed without impediments.

Ms. Rita McCarty supports cultural resources management on the 132,000 acres of Camp Shelby by managing resources like this World War I-era dig site.

**Ms. Rita McCarty, Mississippi Army National Guard**

***Cultural Resources Management, Individual/Team***

Ms. McCarty initiated an internship program with the University of Southern Mississippi to provide graduate and undergraduate students with exposure and learning experience in this real-world archaeological setting.

MCB Camp Butler's coolant recycling program reduces the need for expensive contracts by using in-house personnel and resources.

**Marine Corps Base Camp Smedley D. Butler, Okinawa, Japan**

***Environmental Quality, Overseas Installation***

Staff at MCB Camp Butler expanded the Sannumata Watershed survey to include an additional 2,300 acres. The survey verified the location of this isolated pool, known as "Toshingumui" in historical records.

The Naval Base Ventura County (NBVC) Environmental Restoration Program (ERP) developed an innovative mobile chemical agent containment hood to remediate chemical agent identification sets containing phosgene, chloropicrin, mustard gas, and lewisite.

**Naval Base Ventura County, California**

***Environmental Restoration, Installation***

The NBVC ERP developed a groundbreaking method to restore degraded land into thriving wetlands. Unique to this process, staff crafted synthetic wetland sediment by mixing substandard soil with compost and biochar, a charcoal soil amendment.

The Tagnite anodizing immersion application developed by the Tagnite Technical Working Group (WG) reduces exposure to carcinogenic hexavalent chromium. The capability extends the life of magnesium components and alleviates regulatory challenges.

**Tagnite Technical Working Group, U.S. Army Research Laboratory, Aberdeen Proving Ground, Maryland**

***Environmental Excellence in Weapon System Acquisition, Small Program***

The Tagnite Technical WG team, plating shop personnel, and stakeholders. Pictured from left to right: Meghan McGinley, Braxton Lewis, Luke Kingsbury, Earl Woolsey, Kyu Cho, Bob Olson, Nestor Villarreal, Bill Gorman, Meghan Clardy, and Aaron Hoss. Not pictured are Scott Howison, Mark Feathers, and Anne Crago.