Air Force Civil Engineer Center update for May

UXO clearance blades in production

TYNDALL AIR FORCE BASE, Florida – Currently in production at CXAE are clearance blades designed to attach to standard, in service loaders whose purpose will be to assist the warfighter with clearing unexploded ordnance (UXO) from paved surfaces for the rapid repair facilitation.

Currently two clearance blades designs are in development a large (L-CBA) and a small (S-CBA) where the large is currently undergoing low rate production and are scheduled to have seven prototype samples delivered to installations around the world for testing.

"Currently EOD technicians use the "one man, one bomb" approach to mitigating UXO hazards on the runway, this is extremely time consuming and puts a number of our technicians in harm's way," said Capt. Megan Haley, Airbase Acquisition Program Manager.

Ultimately the goal is to remove the warfighter from the situation entirely by applying robot solutions to the prime movers where the UXO collection can be done by the operator at a safe distance, out of harm's way.

"The warfighter's safety is our greatest concern so these blades are being designed to be stout and able to take many detonations from multiple UXO", said Sean Cloud AFCEC Research engineer tasked with designing the S-CBA. With the constant evolution of threats it's good to have something able to safely handle situations beyond the design requirements, "We have conducted numerous testing against these blades and have pushed them by increasing [explosive] charge weights beyond the requirements and conducted specific blast scenarios. The results have been wonderful."

The seven prototypes are for the L-CBA are scheduled for delivery in late 2021 with preliminary testing to be conducted for the S-CBA happening later this summer.

"These blades are built to operate in hazardous situations, but they are ultimately disposable which is why we would much rather have these in the field than our troops. They can be replaced our troop's lives cannot." Cloud said.

Travis ISS Celebrates Earth Day

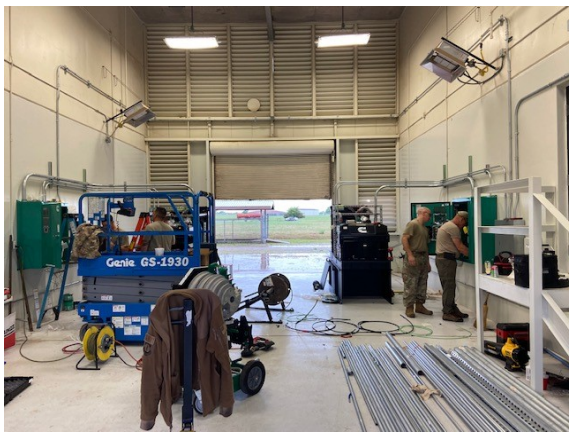
The Travis Installation Support Squadron's Solid Waste Program Manager, Christine Rodriguez, and five environmental installation staff participated in Earth Day activities at the Recycling Yard on Beale AFB, California, during the week of April 22. This Earth Week event was successful in jumpstarting compliance efforts and the scrap metal sorted at the event added an additional $8,000 to the Qualified Recycling Program. The diversion of these commodities and the funds help waste out of the landfill, reduce

installation costs, and can directly support the installation's environmental programs & MWR activities.

CEMIRT supports Power Production training

AFCEC's Civil Engineer Maintenance Inspection Repair Team completed a six-day project at the 366 Training Squadron, Sheppard Air Force Base, Texas, in support of the Electrical Power Production schoolhouse. The team installed two 60-kilowatt generators with supporting automatic transfer switches, electrical load banks and electrical panels for students to learn about multi-meters and phase rotation equipment.

The school is home to technical training for the 3E0X2 Apprentice Course, responsible for nitial training into the career field for Active Duty, Guard, and Reserve Airmen. Additionally, the schoolhouse provides two advanced training courses supporting all skill upgrade training across the career field. The newly installed equipment fills the much needed gap of having up to date technology and meets the future Career Field Education and Training Plan to be published later this year.



The CEMIRT Team members are Richard L. Pugh, Tech Sgt. Remington Rendon, Tech Sgt. Tyler Fitzpatrick, Staff Sgt. Logan Burnett, and Staff Sgt. Brandon Davidson.

AFCEC Plans Cost Estimating Visits to Pacific AOR

The Air Force Civil Engineer Center is going on the road this summer to to help installations in the Pacific region certify costs for infrastructure.

James Pittman, a Senior Cost Engineer, will meet with Pacific Air Forces and AFIMSC Detachment two representatives to explain the cost certification process, expectations for submittals, and the "how to" in being successful in getting a cost certification for projects. Pittman will also visit sites with upcoming projects that will be some of the first to go through the certification proces. Additionally, he is also assigned as the Reviewer/Approver for PACAF, which means he will have "authority having jurisdiction" to review all FSRM projects over $5 million and all military construction and

unspecificied minor military construction projects where Air Force is the executing agent starting in October when the program goes "live".

Visiting the projects will provide a better understanding of the mission and the challenges that the projects will have in the PACAF AOR. These challenges consist of sporadic supplies of labor/materials, scheduling, and the logistics of transportation, all of which impact project cost. Another aspect of the Reviewer/Approver tasking is to provide an annual Market Analysis. This document will detail the effects of all the aforementioned challenges and many more items such as Area Cost Factors.

It will also detail how to apply special considerations for project remoteness or access issues. Having these items in a single document will be of great benefit to the bases, the detachment, and the MAJCOM as they put together the project documentation and an expectation of cost for funding.

In addition to Pittman, there are four other Reviewer/Approvers that provide the same coverage and help to their respective assigned regions of the Air Force world. All 5 Air Force Reviewer/Approvers will be making similar AOR visitations as part of the launch of the Air Force Cost Center.

For additional information about Reviewer/Approvers and their mission, please contact Scott Ward, PE, CCE, Branch Chief, at 850-283-6809 or scott.ward.13@us.af.mil.