

DON'T MISS: HUGE STRIDES FOR VR AT NNSY

SERVICE TO THE FLEET

Norfolk Naval Shipyard

We Are America's Shipyard

July 2019

HEAVY LIFTING WITH EASE

New Heavy Lifting Device Brings
Efficiency to the Waterfront



NNSY PARTICIPATES IN ANNUAL CLEAN THE BAY DAY



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Federal Managers Association Participates in 31st Annual Clean the Bay Day

STORY AND PHOTO BY KRISTI BRITT • PUBLIC AFFAIRS SPECIALIST

Members, families, and friends of Chapter 3 of the Federal Managers Association (FMA) braved the stormy weather June 1 at Paradise Creek Nature Park to participate in the 31st Annual Clean the Bay Day. The team joined more than 6,000 volunteers across Virginia to clean the rivers, streams, and beaches of the Chesapeake Bay watershed and remove harmful litter and debris.

"The FMA is invested in not only our federal employees at Norfolk Naval Shipyard (NNSY) but our community as a whole," said NNSY Clean the Bay Day Team Captain Eric "Chops" Clarke. "We are invested and ready to do our part to clean our waterways. We hope our efforts today and every day will inspire others at the shipyard to volunteer as well."

"Chapter 3 of the FMA is honored to provide service to our community and environment by helping to keep our waterways and tributaries clean," said FMA President Craig Carter. "Thank you to all who braved the bad weather and participated in the cleanup."

This was the twentieth year the FMA has participated in Clean the Bay Day and it's first time at Paradise Creek Nature Park. The group filled 18 bags and cleaned up approximately 55 pounds of trash.

"We were worried about the weather and if we were going to be able to come out and show our support today but we came out as a team and hit the ground running," said Clarke. "We worked safely and managed to do some great work. I'm proud of what we did today."

Already, Clarke is looking toward the next Clean the Bay Day and what they can accomplish. "I have a coworker who said that even if we only picked up a single piece of trash we saw lying on the ground, we would be doing our part to help our environment and I have taken that to heart. We hope that next year's event we can invite our shipyard workforce to come out strong so we can all make a difference!"

FROM LEFT TO RIGHT: Elizabeth River Project - ODU Intern James McCann; Elizabeth River Project's Yolima Carr; Elizabeth River Project's Larry LaPell; Cradock Civic League's Krystal Hicks and daughter Daisy; Code 361 Chops Clarke and daughter Erin; Code 926 Colleen Clarke; Code 926 Joanna Wynne-Pate; Destiny Simpson, Clarice Pate, and Maryjo Wynne-Pate; Code 361 Craig Carter; Mia Clarke, Code 220A Jessica Roberts; John-Michael Gardner; Code 136.1 Jay Winslow; Code 930 Ricky Tolentino; NNSY-Retired Forest Lilly; MARMC Eugenie Jones. **NOT PICTURED:** NNSY-Retired Stacy Lilly; Code 1160 Kristi Britt.

From the Commander, Capt. Kai O. Torkelson: Excellence in America's Shipyard



July is upon us, and I hope everyone is having a great summer so far. It's been one year since my taking command, and time is flying by as I enjoy this awesome opportunity to lead America's Shipyard during this period of great growth and transition. As we head into the hottest months of the year, please look out for yourself and your co-workers, staying hydrated and taking the appropriate rest breaks. I hope to see everyone at the annual America's Shipyard celebration July 18 from 11 a.m. to 2 p.m. on the Building 1500 lawn as we celebrate our shipyard and spend time with one another enjoying some fun activities.

On June 18, we held an All Hands in Bldg. 163. We celebrated recent shipyard successes including Code 900F's achievement in achieving cleanliness outside the industrial area; several important milestones being met in recent weeks by the USS Wyoming (SSBN 742) and USS George H.W. Bush (CVN 77) project teams; and commending our Norfolk Naval Shipyard (NNSY) Navy Security Force (NSF), Anti-Terrorism Training Team (ATTT) and Installation Training Team (ITT) for completing their certification process in late May.

I'd like to commend the USS San Francisco (SSN 711) project for completing piping installation last month, with 59 of 60 associated weld joints passing radiography the first time. That's thanks to the combined and quality efforts of Codes 135 and 2320, and Shops 26N and 56N, who also shortened the duration of this work by 122 days. Additionally, Shop 26 completed weld build up to support realignment of the submarine's stern tube to support shaft installation

significantly ahead of schedule.

Continuing our modernization of America's Shipyard to better position us to serve the Navy our nation needs, we cut the ribbon on our Submarine Maintenance Facility June 14. This facility, housing shops from 15 locations under one roof where they can work more efficiently with each other to ensure submarine readiness, stands to improve our innovation, collaboration and knowledge sharing. Continuing this modernization push, on July 1 we're having the groundbreaking for our new production training facility near the Pass & I.D. Office that will become a hub for bringing together the innovative ideas and talent needed to solve complex challenges and maintain the Fleet. Later this summer, we will also reopen the renovated Bldg. M-32, one of our most historic buildings which dates back to 1905 and formerly housed Marines stationed at NNSY. As we continue the improvements as part of the Shipyard Infrastructure Optimization Plan, now is an exciting time to be a participant in rebuilding America's Shipyard for its next 250 years of service.

Last month, I had the special opportunity to speak onboard USS Texas (BB-35) at San Jacinto State Park in Texas, as part of the 75th anniversary of the Invasion of Normandy June 6 that started the Allied march across Europe in the summer of 1944. I was proud to explain how America's Shipyard built several of the ships involved in D-Day, as well as modernizing Texas along with the battleships USS Arkansas (BB-33) and USS Nevada (BB-36). Today we carry on that proud legacy as being the "Force Behind the Fleet" maintaining and modernizing the world's mightiest Navy.

Concluding our examination of the C.O.R.E. organizational values that we began in April, this month we're focusing on Excellence. Excellence is where Care, Ownership and Respect converge, but to ensure that all our values are effectively put into action we have to maintain the courage to stand firm on them. Our commitment to these values is ultimately a commitment to each of you, as you are at the heart of what we do every day in accomplishing our mission. Now that we've reaffirmed that commitment as leaders, I think one of the most important

questions we should each be asking each of ourselves as members of America's Shipyard is, are you taking an active role in C.O.R.E. practicing and promulgating? Looking through the lens of our C.O.R.E. values, what is your individual contribution to forming a high-performing team and ensuring Excellence in our Fleet readiness?

Achieving Excellence hinges on turning challenges into opportunities by examining our processes, taking a stance on facility or process issues when needed and reflecting on the importance of what we do and how we develop each other in performing our work safely. We have a vital role right at the heart of national security—as an organization of people, we must appreciate the importance of the work we do, we must be urgent in improving our behaviors and performance, and we must actively own the responsibility that comes with such an important mission.

Our C.O.R.E. Values are not just about how we care and respect one another, but how we protect and serve our nation. Continue to uphold and honor our C.O.R.E. Values, which are essential toward elevating America's shipyard to a new performance level that builds our trust, our confidence, and our credibility with the Navy, with the nation and with each other. These team-centered values are the cornerstone of our high performing teams. They are how we achieve excellence in repair and modernization of our ships and submarines—with superior quality and reliable delivery.

Norfolk Naval Shipyard, committed to our C.O.R.E.!

A handwritten signature in black ink, reading "Kai O. Torkelson".

Capt. Kai Torkelson
Norfolk Naval Shipyard's 108th Commander



MARK YOUR CALENDARS!
THE ANNUAL CELEBRATION RETURNS!

AMERICA'S SHIPYARD *Celebration!*

July 18, 2019
11 a.m. to 2 p.m.

The annual celebration of America's Shipyard will be held in the Bldg. 1500 Parade Field and include many activities to honor our amazing workforce and everything you do everyday in service to the Fleet!

- **Knowledge Share Fair**
 - **Live Music**
 - **Games**
 - **Walk of History**
- **Fitness Demonstrations**
 - **Concessions**
 - **And more!**

From the Deckplate: Command Master Chief Gene Garland



Celebrating America's Birthday

Hello everyone! First I want to say fare winds and following seas to CMDCM Reese! His retirement ceremony was one of the best I have ever attended. He will be sorely missed. Now as my first month comes to an end, it has been a whirlwind of information, meeting exciting new people and seeing C.O.R.E. (Care, Ownership, Respect, Excellence) in action. As I walked around from shop to shop you could see the motivation in each person I met! It was contagious!

A special Bravo Zulu to our Security Department! They pushed, they pulled, and then dominated their security inspection! Every watch pulled together and their unity resulted in great success! Congrats on security getting their certification!

Now that we are into summer, we must make sure that we are being safe in all aspects! If we are going to the beach, we must observe water safety; if we are cooking on the grill, we must observe grill safety.

As we head to America's birthday, we are reminded of the brave men and women who pushed past adversity, planned and executed a strategy that lined up with a new vision

for a new nation. Summer safety should be the same way; one must plan and execute a strategy that lines up with a vision for safety. Ultimately I want to see all of Norfolk Naval Shipyard (civilians and military) not only to enjoy their summer, but be safe doing it!!

For my military folks, this is another reminder the September E4-E6 exams are headed your way. The dates are E6-Sept 5, E5-Sept 12, and E4-Sept 19. One BIG change is the additional requirement of the Professional Military Knowledge, Electronic Eligibility (PMKEE) which is required for all enlisted exam takers starting September 1, 2019. Even if you are taking the January 2020 CPO exam, you must have this completed! If you have completed this, good on you; if you have not, keep pushing!

-CMC Out

A handwritten signature in black ink, appearing to read 'Gene Garland'.

Gene Garland
Command Master Chief

A color portrait of country music artist Hunter Hayes. He is a young man with short brown hair, wearing a dark denim jacket over a white t-shirt. He is looking directly at the camera with a slight smile.

AIR FORCE RESERVE TOUR FOR THE TROOPS

HUNTER HAYES

JEB LITTLE CREEK

SATURDAY, JULY 27 • 7 pm

Gates Open at 5 pm

**Free for ALL DoD Cardholders,
their Families and Guests**



**AIR FORCE
RESERVE**

CMDCM (SW/AS/IW) Gene Garland is NNSY's Newest CMC

STORY BY TROY MILLER • PUBLIC AFFAIRS SPECIALIST

It was a sunny morning with a slight breeze causing the tree tops to dance against the blue skies. A combination of brass, woodwind and percussion instruments played patriotic music. Participants of the City of Portsmouth 135th Annual Memorial Day Parade drove, marched and danced their way through a gauntlet of people on High Street in Portsmouth. People sported their red, white and blue clothing, waved American flags, and shouted praises to honor those who gave the ultimate sacrifice for their country.

"Of the 28 years I been serving in the U.S. Navy, this was the first time I marched in a parade," said Norfolk Naval Shipyard's (NNSY) Command Master Chief, CMDCM (SW/AW/IW) Gene Garland. "And for it to be a parade to honor those who put on the uniform and never took it off made it all the more special."

There was one Sailor in particular Garland thought about that day. A Sailor whose picture he carries around on his cellphone.

Draftsman Second Class Michael A. Noeth was assigned to the Pentagon and perished when a hijacked passenger airliner crashed into the government building.

"When I heard Noeth was killed, I felt guilty because as his Navy career counselor, I helped him get those orders to the Pentagon," said Garland. "I quickly knocked that guilt away because I remember how happy he was to receive those orders. We had no idea what the future would bring, but at that point in time, he was happy."

Throughout Garland's career, he has strived to ensure his Sailors achieve the happiness they deserve. The knowledge he gained over the years he has passed it on to others, whether it be how to do a particular tasking that was more efficient, how to write an evaluation with a "wow factor," how to study for an advancement exam, and any other information he had that would help improve the lives of his Sailors and how they too can achieve happiness.

"Essentially I am preparing those who one day might be performing my job as Command Master Chief of America's Shipyard," he said.

The Fayetteville, North Carolina native considers himself fortunate with his upbringing in a loving household. However, he knows that not all people had the opportunity for that. Working with all walks of life, his passion for people helps him to get to know the person wearing the uniform.

"The better I know my Sailors, the better I can help them with providing the resources that they might require at any given time," said Garland. "My passion for people drives me to ensure everyone is taken care of."

Garland became NNSY's Command Master Chief on May 21, following Command Master Chief CMDCM (SW/AW) Michael Reese who retired after 30 years of service. On his first day at the shipyard, Garland learned about NNSY's C.O.R.E. Values (Care, Ownership, Respect, Excellence) and he knew right away that his beliefs and work ethic would fit in nicely with C.O.R.E.

"It's all about the way we do business. It is my job to go out on the deckplates and provide feedback to the shipyard commander and executive officer so that the shipyard becomes efficient at meeting goals of fixing ships and submarines."

Garland, who is happy to be stationed at NNSY, will do his part in helping the shipyard achieve its mission. In addition, he will do what it takes to see Sailors get promoted and achieve education that will make them a higher caliber Sailor. With Jesus Christ as his mentor and his belief that God puts him where he can help others, he is ready to be the stick and rudder to carry out his role as Command Master Chief.

STAY HYDRATED.

**During extreme heat, drink
plenty of water even if you
don't feel thirsty.**



Ready.



FEMA

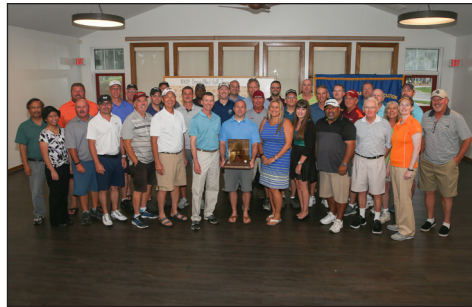
READY.GOV/HEAT

» **POSITIVE YARDAGE**



NCMA Holds 36th Annual Brass-Wheel Tournament, Awards Annual Scholarships

Norfolk Naval Shipyard's Naval Civilian Managers Association (NCMA) held its 36th Annual Brass-Wheel Tournament at Portsmouth's Bide-A-Wee Golf Course June 12. This tournament is a friendly competition between the shipyard's civilian and military golfers while raising money for local charity. After the Brass (military) stole the title in 2018 for the first time in 22 years, the Wheels now are back on top! Per the annual custom, NCMA concluded the outing with its dinner and awards banquet. NCMA annual scholarships were presented at the event, with the four-year, \$2,000 scholarship presented to Isabella Casalino, daughter of Robert Casalino from NNSY's Plant Equipment Support Organization (PESO). A graduate of Western Branch High School, Isabella will attend Florida Atlantic University. A \$500 scholarship was presented to Patricia Rosario, daughter of Eric Rosario from the Code 950N Quality Assurance Office. A graduate of Ocean Lakes High School, Patricia will be attending George Mason University. Other \$500 scholarship recipients not present included Corinna Ensley, daughter of Code 300's Pat Ensley; Emma Harris, daughter of Code 105.3's Clifton Harris; and Jordan Young, daughter of Code 1222's Tracey Young. As proceeds raised from the event, \$500 was donated to EDMARC Hospice for Children. EDMARC works to ease family trauma from a child's illness or death, and to assist bereaved families throughout Hampton Roads. Photos by Danny DeAngelis, NNSY Photographer.



DIVERSITY MEMBER OF THE MONTH



MARIELLEN CHAMPION

SPOTLIGHT BY TROY MILLER • PUBLIC AFFAIRS SPECIALIST

Community outreach and volunteerism was one of the many things that newly elected Veterans – Employee Resource Group (VET - ERG) President Mariellen Champion enjoyed during her six years of active service in the U.S. Navy. When she first arrived at Norfolk Naval Shipyard a little over two years ago as a civilian, she was introduced to the VET – ERG by co-worker and fellow Navy veteran, Teresa Coon.

Champion, an information security specialist for NNSY's security department, quickly learned that "service" was one of the key elements to the VET – ERG. She was excited to be involved once again with community outreach and volunteerism with her fellow veterans.

Aside from community outreach, Champion's goals as VET – ERG president is to reach out to all shipyard veterans and show them ways they can get involved, and expand resources available to them. Champion plans to continue the group's collaboration with Federal Women's Program; she also wants to reach out to other ERGs to form a solid working relationship to help serve not only shipyard veterans, but to the shipyard as a whole.

NOBODY GETS HURT TODAY!

Safety starts with YOU. YOU are NNSY's most vital asset.



SERVICES ONLY WEEKENDS

In accordance with the NNSY Overtime Management Policy, several weekends in 2019 will be designated as services only weekends in order to give our combined workforce (including our Ship's Force teammates) a chance to rest and revitalize. These weekends are "charge-your-battery" weekends: take time to be with your family and friends, and reflect on what we can do to take care of each other, improve communications within our teams and think about the work we are doing with a focus on safety. Thank you for everything you are doing every day.

UPCOMING SERVICES ONLY WEEKENDS:

July 4-7, Aug. 10-11, Aug. 31-Sep. 2, Sep. 21-22

FAMILY DAY IS COMING TO AMERICA'S SHIPYARD IN 2019

Family Day will return to America's Shipyard in fall 2019! Planning is currently underway and more information will soon be available for family sign-ups and building sign-ups for the event.

We are currently looking for volunteers to assist the planning committee with the Family Day event. For more information or to sign up to volunteer, please email John Satcher at howard.satcher@navy.mil, Danny Magnum at danny.mangum@navy.mil, and Kristi Britt at kristi.britt@navy.mil.



2019 TRAINING OPPORTUNITIES

In an effort to provide NNSY employees information and education on beneficial Human Resources topics, FLTHRO will host informal Lunch and Learn training sessions throughout the year. Bring your lunch, FLTHRO will provide the education! All NNSY employees are welcome and encouraged to attend these informal sessions. FLTHRO has seating for 33 employees, and attendance is on a first-come, first-served basis.

9 - 11 A.M. (TRAINING FOR MANAGERS)

Aug. 15 • Writing a Position Description

11:20 A.M. - NOON LUNCH & LEARNS:

July 25 • Resume Writing

Sept. 12 • Navigating USAJobs



Computer Engineer Daniel Stith shows how to use the hands-free headset for the virtual reality simulation.

MAKING HUGE STRIDES IN VIRTUAL REALITY AT NORFOLK NAVAL SHIPYARD

STORY AND PHOTOS BY
KRISTI BRITT • PUBLIC AFFAIRS SPECIALIST

Imagine conducting ship checks and training aboard a ship without ever leaving your office. At Norfolk Naval Shipyard (NNSY), this has become a reality thanks to virtual reality.

NNSY's Radiological Control Special Projects and Refueling Division (Code 105.26) has collaborated with the Nuclear Fluid Systems and Mechanical Engineering Division (Code 2320), the Nuclear Refueling Engineering Division (Code 2370), and Huntington Ingalls Industries (HII) to create laser scans of vessels and develop virtual training simulations for the Norfolk Naval Shipyard (NNSY) workforce.

"We have worked with HII to build the point cloud for USS John C. Stennis (CVN 74), taking 90 to 100 individual scans of the ship to build a virtual replica of the ship," said Aerospace Engineer Christopher Snider. "These scans are sewn together to develop an accurate (to an eighth of an inch depending on the post production of the scans) replica and we can perform ship checks onboard the Stennis in a timely manner. Ship checks can take hours onboard the vessel, maneuvering the inner works of the ship to get where we need to go. This option doesn't completely remove onboard ship checks from the equation but it does provide an 80 to 90 percent effective way to complete the work."

Both NNSY and Puget Sound Naval Shipyard (PSNS) have the technology for laser scanning and there are currently efforts being done to scan all vessels at America's Shipyard.



Aerospace Engineer Christopher Snider and Computer Engineer Daniel Stith have built the virtual reality training simulations from the ground up at Norfolk Naval Shipyard.

“Unlike hand drawings which don’t provide us the whole picture, these scans are a snapshot in time that shows us every component, every measurement,” said Snider. “We can show those with a need-to-know the different areas and show them what work is being done onboard. It’s a valuable innovation.”

In addition to the point cloud scans, Snider and Computer Engineer Daniel Stith have been hard at work developing a virtual reality training simulation for worker qualifications for Code 105 from the ground-up.

“Our training for our workers can be pretty expensive and time-consuming, requiring individual instructors for the trainees and consumables purchased for each mockup. Plus once one run-through is completed, we have to reset the mockup which can take hours or even days depending on the size,” said Snider. “With virtual reality, we’ve developed our own training modules for our folks so they can have that training experience in real time. They are able to make mistakes without any real world consequences and learn from them. It provides the repetition for the students and the ability to see their results in real time so they can address

them at that moment. And when we need to reset, all we have to do is press a button.”

“We began getting our equipment in late 2018 and have been showing our efforts to as many people as possible so we can all take a hard look at how virtual reality can benefit the shipyard and the fleet,” said Stith. “In addition to the controllers, we also have a hands-free model as well as a walking rig to simulate walking during the training to make everything feel more real for the trainee.”

“Virtual reality isn’t going to be a replacement for all our training platforms but we want to see how it works for our trainees and what we can do to improve the simulations we develop,” said Snider. “We’re also looking into more technology and controllers to help make the simulation feel as real as possible for them. We want this to be intuitive and something we can improve with their input.”

The simulation is currently in small-scale implementation at the shipyard as the team continues to build its simulations to fit the needs to the trainers.



Team Goes Above and Beyond in USS Ohio (SSGN 726) Emergency Diesel Generator Repairs

BY KRISTI BRITT • PUBLIC AFFAIRS SPECIALIST

PHOTOS BY SHELBY WEST • NNSY PHOTOGRAPHER

Thanks to teamwork and dedication in a time of need, a naval asset is on its way to returning to the mission at hand.

A ceremony was held May 29 in the Diesel Shop (Shop 38) to celebrate the teamwork in emergency diesel generator repair efforts for Norfolk Naval Shipyard (NNSY) and Puget Sound Naval Shipyard and Immediate Maintenance Facility (PSNS & IMF).

In early 2019, NNSY received word from PSNS & IMF that the USS Ohio (SSGN 726) was in need of emergent repairs and the need to test, calibrate, and overhaul 26 fuel injection pumps. NNSY accepted the task and upon receiving the pumps went straight to work cleaning, testing, and calibrating them. Seven pumps required overhaul altogether and all completed pumps have been sent back to PSNS & IMF so the USS Ohio could complete the availability on

schedule.

“The entire project has shown outstanding coordination between NNSY, PSNS & IMF, Submarine Squadron (SUBRON) 19, the Business Office, Engineering Waterfront and Planning Yard Support (Code 268), Shop 38, and Shipping and Receiving,” said Mechanical Engineering Tech Bob Damico. “There has been constant communication outlining the progress of the project and I’m very proud of our amazing team.”

Commander, SUBRON 19, Capt. Michael Lewis wrote concerning the repairs, “I would like to extend a very hearty thank you to the amazing team in Code 268 NNSY for the outstanding support you all provided during the recent repairs to the USS Ohio Emergency Diesel Generator. Your team selflessly took on the assignment to test, calibrate and repair 24 fuel injection pumps

completing this task well ahead of schedule, allowing the team on Ohio to reinstall the pumps and certify the Diesel Engine to support completion of their extended refit period at PSNS & IMF and subsequent return to operational service. We would not have been able to get the ship back on track to completing their availability on time if had not been for the selfless work by your team of professionals. SUBRON 19 and the USS Ohio Project greatly appreciate the support, excellent workmanship, and quick turnaround to allow the ship to meet major availability milestones.”

NNSY Chief Engineer Mark Everett attended the ceremony to share his congratulations with the team for its efforts on the diesel generator repair. “This team took critical work and ran with it. You worked safely, achieving first time quality and completed the job successfully with superior



LEFT: Chief Engineer Mark Everett, Matthew Newton, Cameron Hormachea, Joshua Bratton, Cordero Cooper, Russell Murphy, and Mechanical Engineering Technician Bob Damico celebrate efforts on emergent repairs. **RIGHT:** Chief Test Engineer Mark Everett speaks with the Diesel Shop about their efforts in the USS Ohio (SSGN 726) Emergency Diesel Generator Repair Efforts.

performance,” said Everett. “When our sister shipyard came to us seeking assistance with these national assets not in our backyard, we jumped at the chance to help and quickly turned everything around so that Ohio could continue their mission to the fleet. You are a team of high-performing individuals who worked together, learned from each other, provided feedback, and got the job done. This job is a testament to your efforts for the Ohio and for the U.S. Navy.”

Five key figures for the project were recognized during the ceremony, including Matthew Newton, Cameron Hormachea, Joshua Bratton, Cordero Cooper, and Russell Murphy. “These folks went above and beyond in the Ohio repairs, and truly exemplified C.O.R.E. – Care, Ownership, Respect, and Excellence. You worked together under the common mission, and you took ownership of the work and provided valuable training and conversation to those alongside you so you could all provide a quality product ahead of schedule,” said Damico. “Your dedication and service is celebrated and we thank you all for what you do each and every day.”



NEWLY ACQUIRED HEAVY LIFTING DEVICE

BRINGS EFFICIENCY TO THE WATERFRONT



BY KRISTI BRITT • PUBLIC AFFAIRS SPECIALIST
PHOTOS BY SHELBY WEST • NNSY PHOTOGRAPHER

Seeking a way to move industrial plant equipment (IPE) without a forklift or crane, the Industrial Engineering Department (Code 983) began researching a heavy lifting device that could be operated with a small team to increase efficiency for the workforce.

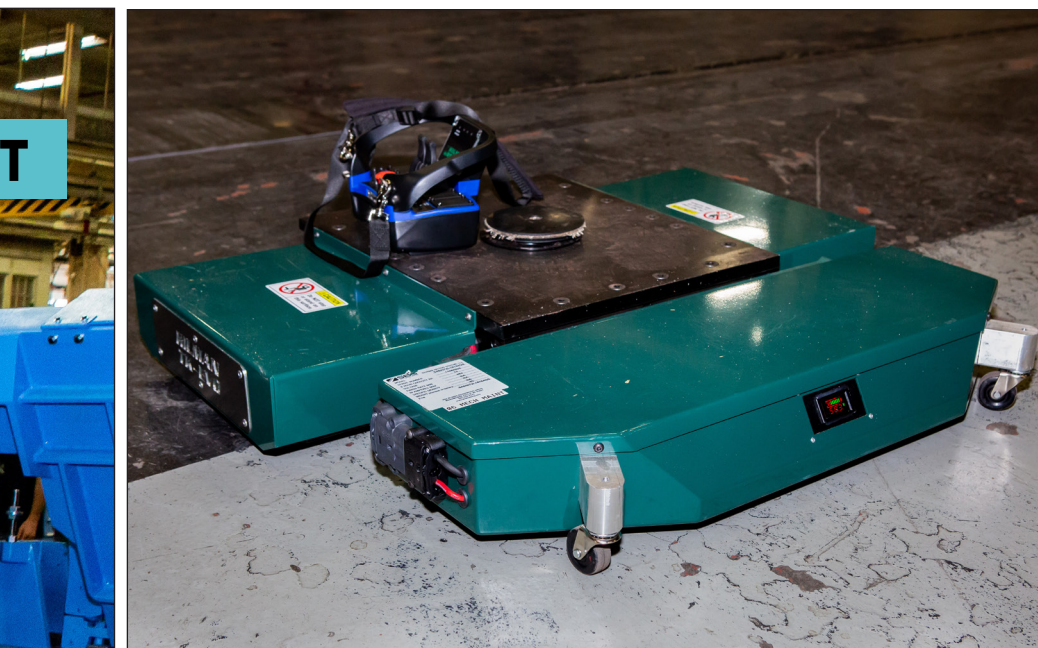
"When we're moving IPEs on the waterfront, we have to follow standard operating procedures when utilizing crane services," said Code 983 Mon Kwong. For each lift, a team would be assembled featuring seven Lifting and Handling (Code 700) personnel, two Code 900F.12 maintenance mechanics, and a Code 983 engineer. A lengthy process would then begin including

drafting lifting sketches, approvals being routed, and coordinating the team to build a lift plan and oversee the project. In addition, lifting IPEs are considered overhead functions and take a backseat to production work, so that extends the length of time to get the job done. "We would see constant delays which cause labor-hour increases, excessive downtime, missed transportation deadlines, and disruption of the entire planning process. We accomplish less work this way in the longest amount of time which is a lose-lose for everyone involved."

Another method to move heavy equipment throughout the shipyard is large

capacity forklifts, but with their size, they are unable to navigate the corridors of the facilities to gain access to the equipment. In addition, the weight of the forklift can often exceed the floor load limits. For Code 983, this was not the answer they needed to get the job done.

"We researched a device that would fit our specifications for our waterfront and we found the Hilman TK-EVO," said Kwong. The TK-EVO is a battery-operated, remote-controlled powered crawler used for heavy load transportation. With a more compact size and only weighing less than 500 pounds, the machine is able to traverse



LEFT: Production Machinery Mechanic Ethan Holland operates the TK-EVO Heavy Lifting Device using a remote-controlled device. **TOP:** The TK-EVO Heavy Lifting Device and the remote-controlled device. **BOTTOM:** Mechanics set up the load onto the main crawler using the toe jacks.



Production Machinery Mechanic Ethan Holland operates the TK-EVO Heavy Lifting Device using a remote-controlled device.



the corridors and narrow pathways with ease with an operator using a wireless hand-held controller. It can lift up to 20-ton loads by itself and up to 40-ton loads with the rear roller units that were included. In addition, the unit comes with four powered hydraulic toe jacks used to lift the IPEs and place them on the main crawler and roller units. "We wanted to see this unit in action and see if it fit our needs," added Kwong.

Hilman came into the shipyard to provide a demonstration of the equipment, the team fitting a HAAS VF-2 CNC Milling Machine onto the TK-EVO and using it to transfer the machine from the first floor to the

third floor of the toolmakers building. The machine in question weighed approximately 9,500 pounds. The device handled the load and was able to maneuver onto the freight elevator and through the narrow passageways. The entire operation was completed within four hours and only required two mechanics for fitting the machine and one operator at the controls. The team was thrilled with the results and purchased the device.

"It's very simple to control and it's instantaneous to do what I want it to," said Production Machinery Mechanic Ethan Holland who operated the device. "This makes it a lot more efficient and safer to

perform these heavy lifts and I think this device is a great addition to our arsenal."

"My guys are able to do the lifts themselves safely and we don't have to rely on the processes and procedures for crane lifts like we had in the past," said Equipment and Tooling Manager Laura Herrin. "We are already planning out our lifts within the facilities with this new equipment and how it will greatly save us time, cost, and keep the workflow going. We love it!"



Shipyard personnel line up to honor the fallen during the Memorial Day Fall-In for Colors hosted by the Veteran Employee Readiness Group.

Norfolk Naval Shipyard Honors the Fallen with Memorial Day Activities

BY KRISTI BRITT • PUBLIC AFFAIRS SPECIALIST

PHOTOS BY SHELBY WEST • NNSY PHOTOGRAPHER

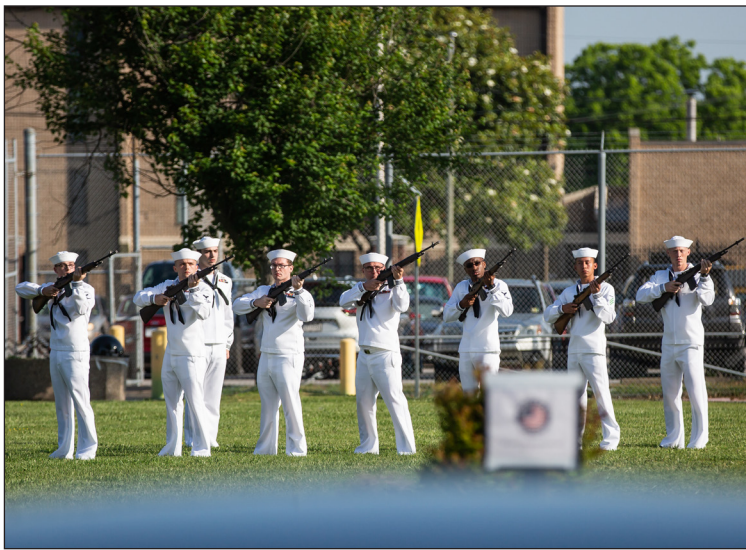
Each year in May, members of Norfolk Naval Shipyard (NNSY) come together to observe Memorial Day in honor of the service members who sacrificed their lives in service to the United States Armed Forces. It is a day of "Gone, But Never Forgotten," and America's Shipyard participated in various events to salute our fallen troops.

The Veteran Employee Readiness Group (VET-ERG) led the charge at Naval Medical Center Portsmouth cemetery, teaming with the Navy Wives Club who oversees the fallen there in placing flags upon the graves of perished servicemembers. Twelve members and their families came out to show their support.

"This event is not only providing us the ability to serve, but we may have been passed the torch in remembering those who have gone before us, many of whom were highly decorated," said VET-ERG member Doug DeLong. "The honor and privilege to ceremoniously honor and respect those buried at the naval hospital may soon rest in our hands, or be left undone!"

The NNSY VET-ERG continued observance activities with the Memorial Day Fall-In for Colors May 24, inviting the workforce, Sailors, and tenants to come together to pay respects to those who have passed.

"Today is a day of remembrance and reflection honoring the many lives lost, many perishing in the prime of their lives and leaving so many loved ones behind to treasure their memories and honor their legacies," said Shipyard Commander Capt. Kai Torkelson, "We stand here today in solidarity both as dedicated members of Norfolk Naval Shipyard and as proud Americans. Solidarity demands a need to honor those who have died before us, and who continue to die to keep the world safe for freedom and democracy. This is why our military places so much emphasis on morale and unit cohesion. It is well known to anyone who has served, or knows someone who has served, that in those clutch moments its devotion and loyalty to fellow soldiers, the ones right there in the fog of war, that gives others the courage to risk death, or even commit to certain death



TOP: The Mid-Atlantic Region Honor Guard performs a 21-gun salute for the Memorial Day Fall-In for Colors; The Veteran Employee Readiness Group set up a Battlefield Cross in honor of the fallen; **BOTTOM:** VET-ERG teams up with the Navy Wives Club to place flags on the graves of the fallen at the Naval Medical Center Portsmouth cemetery.



for the collective benefit of their teammates and nation. No single death saves a country, just as no single person operates and maintains our shipyard. We work as a unit together, comprised of our high performing teams, to service the fleet and this nation in ensuring superior quality and reliable delivery. These insurmountable feats are accomplished through Care, Ownership, Respect, and Excellence to our fellow employees, our community and our nation."

The VET-ERG team, along with the NNSY Chapter of the Federal Managers Association, provided wreaths dedicated to the fallen. In addition, the NNSY VET-ERG crafted a symbolic Battlefield Cross out of the personal affairs of veterans of the shipyard and the US Army Training and Doctrine Command Band provided their services with a bugler who played "Taps." For this year's event, members wanted to go bigger than ever before.

"This was our most ambitious and impactful Fall-In since we began doing this ceremony years prior," said VET-ERG founding member Rick Nelson. "It has been a goal of ours to have a bagpiper play Amazing Grace as well as a 21-gun salute for this event and we were able to make both happen. There were a lot of weepy eyes as the ceremony played out, becoming one of the most memorable and remarkable ceremonies I believe our team has ever done. I'm very proud of everyone who helped make it a success."

VET-ERG founding member Jonathan Echols connected with

the Mid-Atlantic Region Honor Guard to perform the 21-gun salute, a customary gun salute and military honor.

Code 2340 Engineer William Silke has been playing the bagpipes for 13 years in honor and celebration of his uncle, New York Police Department Police Officer Stephen P. Driscoll who passed away Sept. 11, 2001. When Nelson reached out to Silke to join in this year's Memorial Day festivities, he leapt at the chance to perform.

"This was a beautiful ceremony that reflected what Memorial Day represents," said Silke. "It honored those who we have lost and it reminded us why what we do at the shipyard is so important. I was very honored and proud to be part of this."

Nelson added, "Seeing such talent from our shipyard coming out to volunteer his services and commitment was very special to us. His performance moved the workforce who came out to celebrate with us and we look forward to working with Mr. Silke in years coming for more performances just like this one. Thank you to Silke and everyone who helped make the event our most impactful one to date."

This year's Memorial Day activities concluded with the participation in the 135th Annual Portsmouth Memorial Day Parade May 27. Shipyard Sailors, members of the VET-ERG, families and friends joined in marching along the USS Alabama Float to represent America's Shipyard.

SHIPYARD



SHIPYARD SPOTLIGHT: KIM ZANER

STORY BY MICHAEL BRAYSHAW • LEAD PUBLIC AFFAIRS SPECIALIST

PHOTOS BY SHELBY WEST • NNSY PHOTOGRAPHER

It only makes sense Kim Zaner would believe in karma.

After all, this Nuclear Quality Division (Code 2350) Administrative Assistant's personal motto is "if you be kind and show people appreciation, they will go above and beyond for you." Proving her motto out, Zaner was recently honored as Norfolk Naval Shipyard's (NNSY) Administrative Professional of the Year flanked by smiling and supportive co-workers.

Thriving on the unpredictability of any given day and being able to work with others both inside her code and around the shipyard, Zaner assists new employees joining her division, mentors other NNSY administrative assistants, ensures proper records management, serves as divisional security coordinator, handles IT issues, and coordinates her work group's social gatherings.

"I work with the best people in the shipyard, I attribute my award to them," Zaner said. "They're like family to me. When you feel appreciated every day, you want to be a better employee."

Zaner even has NNSY to thank for her actual family. A lifelong native of Hampton

Roads, she started at the shipyard in 1984, shortly thereafter meeting Gerry Zaner, now a Nuclear Material Division Branch Head. The two married in 1986. Zaner worked in Code 2300 before leaving in 1993 to be a full-time mom for her two daughters. After working at a catholic school as receptionist for nine years, she returned to NNSY and Code 2300 in September 2016. Since then, NNSY's Nuclear Quality Division has since been all the better for it.

Exhibiting a natural tendency to resolve issues others might overlook, Zaner has assisted her supervisors with everything from obtaining legible shipyard maps for a work project, ordering a bulletin board to organize papers that were tacked to a wall, and even getting a more comfortable chair for a Code 2350 manager. Describing herself as "kind, happy, and friendly," she instills those feelings in the 30 or so employees that comprise her division.

She's been called the "master morale booster" coordinating group events for monthly meals, birthday parties and observances like Boss Day. Asked why that's important to her, Zaner said, "first of all, we're auditors, so telling people what they need to

improve is not an easy job. It's important for them to relax, talk about things other than work, and not always be in auditor mode. That's why I like to make them smile."

If Zaner seems like the Florence Henderson of Norfolk Naval Shipyard, it's no coincidence that her co-workers affectionately dub her "Mom." The closest Zaner comes to being bad is her occasional indulgence in french fries and ice cream. She also sheepishly admits to liking the TV show *The Bachelor*. But more likely than not during this time of year, you'll find her outside where she finds peace in planting and contentment in caring for her flower gardens.

In nominating Zaner for the award, then Code 2350 Division Head, Tatiana Sierra Diaz said "her presence alone makes work feel like home. To some of us, she is our 'Mom' and to others, she is our close friend. No matter what is on her plate, she always greets us with a kind heart and a warm smile creating a jubilant start to the day. She is full of cheer and bends over backwards to provide help. She exemplifies C.O.R.E. values."

Code 2350's Acting Division Head Chris Brown agreed. "We love Kim!" he said. "Getting her was the best thing we



TOP: NNSY's NCMA President Bill Welch presents Kim Zaner her Administrative Assistant of the Year Award. **LEFT:** Zaner enjoys spending time in her home backyard. **BOTTOM:** Zaner with her husband, Nuclear Material Division Branch Head Gerry Zaner.



ever did for improving the morale of our entire division. In addition to going above and beyond her duties, she strives every day to make us feel at home, exhibiting Care-Ownership-Respect-Excellence exceedingly well."

Zaner shows Care by sharing opportunities for others to develop their potential, exhibits Ownership by seeing every problem as an opportunity to learn, improve, innovate and teach, and embodies Respect by constantly uplifting and valuing others. "We talk about the C.O.R.E. values a lot," she said. "If you show C.O.R.E. in your job, you're going to be happier and have a better day. I've been told I radiate happiness, and you want to keep that up when people look to you to brighten their day."



13 THINGS YOU DIDN'T KNOW ABOUT Kim Zaner

1. I'm told I'm a great landscaper and gardener.
2. I LOVE HGTV! If I could be a character on any TV show, it would be an assistant to Joanna Gaines on Fixer Upper.
3. My go-to song is "Cowboy, Take Me Away" by the Dixie Chicks.
4. My favorite movie is The Notebook.
5. I love fall smells—vanilla, cinnamon, pumpkin.
6. Dusting is my least favorite chore—it makes me sneeze.
7. I had the nickname "Kimmie" as a child.
8. I could never give up ice cream.
9. The first thing I notice about people is their smile.
10. "Shake It Off" by Taylor Swift is my favorite karaoke song.
11. If I had a superpower, it would be time travel so I could go back and see my Mom.
12. My dream vacation would be visiting Bora Bora.
13. My lucky number is 13.

VETERAN EMPLOYEE READINESS GROUP COLLECTS 175 FLAGS FOR FALLEN VETERANS

BY KRISTI BRITT • PUBLIC AFFAIRS SPECIALIST

PHOTOS BY DAN DEANGELIS • NNSY PHOTOGRAPHER

The Norfolk Naval Shipyard (NNSY) Veteran Employee Readiness Group (VET-ERG) celebrated Flag Day June 14 with a donation of worn United States Flags to Sturtevant Funeral Home.

The VET-ERG first began its U.S. Flag donation service in 2016 as part of the Retire Your Flag Program with Sturtevant Funeral Home. The flags collected are draped over fallen veterans at the time of cremation, a tribute to their service and a patriotic way to honor them.

“When we started doing this two years ago, we collected 30 flags altogether across the shipyard,” said VET-ERG Founding Member Rick Nelson. “We’ve reached out to our shipyard team, family, and friends to share this unique opportunity to honor our fallen veterans and the support since we began has been amazing. This year I’m proud to say we’ve collected 175 flags from our shipyard brethren and even from our friends of the shipyard from as far as New Hampshire.”

“We’re honored to be able to present Sturtevant Funeral Home these flags that were donated,” said Shipyard Commander Capt. Kai Torkelson in a small ceremony to turn over the flags to Robie Gardner from Sturtevant. “We’re blessed to have so many flags offered by our shipyard and have so many people responding to the call. There’s a lot of meaning behind when someone sends a flag off knowing that it’s going to serve an honorable purpose at its end. It’s a fitting role for Old Glory – wrapping the remains of a veteran.”

“This program is very special to us at Sturtevant and I appreciate everything Norfolk Naval Shipyard has done for us,” said Gardner. “It means a lot to me and I look forward to that continued relationship between us.”

The NNSY VET-ERG supports all members of the NNSY workforce that are military veterans of all five branches of service and other supporters of our nation’s veterans through a system of comprehensive activities and outreach programs.

For more information regarding the NNSY VET-ERG, contact richard.m.nelson1@navy.mil, tasha.beverly@navy.mil, or mariellen.l.champion@navy.mil. The VET-ERG meets the second Thursday of each month at 8 a.m. in the Bldg. M-1 Conference Room. All shipyard employees, Sailors, and tenants are welcome to attend.

Learn more about the Retire your Flag program at <https://www.sturtevantfuneralhome.com/retire-your-flag/retire-your-flag-program>.



The Case of the Delinquent Tool

BY TROY MILLER • PUBLIC AFFAIRS SPECIALIST



Detective Frank Party took a bite out of his apple. The juice trickled down his dark brown beard that was beginning to sprout gray. His taste glands tightened as the sweet, yet tart sensation of the apple made itself known to them. Unlike the recently retired Detective Jonas Quinn, he didn't wear a suit and tie. He preferred jeans, a 1980s hair band t-shirt and a baseball cap.

"What you're telling me then is that people aren't turning in their tools?" he said between bites of apple.

"That is correct," replied James Panikowski, Project Temporary Facilities and Equipment Department's Tool Control Manager. "There are over 2,300 delinquent tools which adds up to \$2 million worth of tools which is 40 percent of all the tools checked out."

Party took another bite of his apple. "Maybe you don't give the workers enough time to get the job done before they have to return them."

"We do have due dates for the tools to be returned by," said Laura Herrin, Project Temporary Facilities and Equipment Department's Equipment and Tooling Manager. "It's because tools require inspection and/or recalibration."

Party nodded his head. He knew that made sense. From his experience of working in his garage on his 1969 Ford Mustang, some tools needed replacing due to normal wear and tear. He had an electrical hand light that he used to see up underneath that the wire was frayed. He was fortunate he caught that before his eight year old and their St. Bernard came into the garage after taking a swim. He remembered the time too when his son decided to use his torque wrench as an ant killing device. Until he had it recalibrated, he didn't use it. After all, there is a reason why you check for the right torque.

"Have the workers been notified that they are delinquent on tools?" asked Party.

"We send out weekly reports to the shops and codes that have personnel on the delinquent tool list. We also have a monthly meeting with all the tool coordinators at the shipyard," said Herrin.

Party bit off the remaining portion of his apple. His eyes scanned the room before stopping on the garage can. He threw the apple core as if he was take a free throw on the basketball court. The apple core hit the wall and bounced onto the floor.

"That, ladies and gentlemen, is why I am a detective and not a professional basketball player." He turned his attention back to Herrin and Panikowski. "What are the consequences if a delinquent tool isn't

returned?"

"For the individuals they are unable to check out any more tools, until the delinquent tools are returned," said Herrin. "After 90 days, the shops in which the employee works will be charged for the tools, which is a fairly new policy."

Panikowsky chimed in. "We would like to purchase new and improved tools to help make the worker's job easier and to improve the quality of the job, but it's hard to do when we have to use that money to replace the tools that aren't turned in."

Party twitched his mustache, thinking about this case. He had learned earlier that point of use (POU) facilities were placed by the projects so that the workers didn't have to waste time traveling to a tool room to acquire or return tools. Then it dawned on him.

"C.O.R.E.!!" he shouted. "This case needs a dose of C.O.R.E. Workers need to take care of their tools and equipment. Use them only for what they were designed to be used for. They need to start taking ownership of their actions and the policies set in place to ensure the proper tools are available for issuance."

Party felt himself getting on a roll. "People need to respect each other. If they're not returning the tools like they should be, they are showing no respect to those who need the tools to complete their job. This will lead to excellence, thus getting the ships and submarines out on time and within budget. Case solved!"



Pat Ensley, Shipyard Commander Capt. Kai Torkelson, and Cmdr. Ben Wainwright cut the ribbon at the Submarine Maintenance Facility Dedication Ceremony.

NNSY Dedicates Submarine Maintenance Facility

STORY BY MICHAEL BRAYSHAW • LEAD PUBLIC AFFAIRS SPECIALIST

PHOTO BY COLE FRASER • NNSY VISUAL INFORMATION SPECIALIST

Norfolk Naval Shipyard (NNSY) dedicated its new Submarine Maintenance Facility June 14. The dedication marked the next crucial step in the NNSY's realization of the Shipyard Infrastructure Optimization Plan that will enhance the ability of the four public shipyards to meet the mission of delivering ships back to the fleet on time and within budget.

The new facility consolidates submarine maintenance, production and support shops into a single facility adjacent to NNSY's submarine drydocks and piers. This two-story structure features shops, storage and support spaces on the ground level, with office spaces and conference rooms on the second floor. The building was designed with an open office concept to facilitate collaboration between submarine project teams.

"NAVSEA Commander Vice Admiral Tom Moore has challenged us to build an environment that promotes increased levels of innovation, collaboration and knowledge sharing," said Shipyard Commander Captain Kai Torkelson at the dedication, referencing NAVSEA's Campaign Plan to Expand the Advantage 2.0. "It's harder to think of a better example of that than the building before us today. This facility will foster that environment by putting shops from 15 locations under one roof where they can

work more efficiently with each other as they fulfill the mission. This will give our people the space and tools they need to forge high-performing teams and complete our mission of returning submarines to the fleet with superior quality and reliable delivery."

More than three years in the making, this \$9.9 million project has resulted in one of the safest and sturdiest buildings in the shipyard. Designed to withstand the impact of a 500-year flood, the 24,000-square foot building should also effectively bear a category 4 hurricane. The building is in accordance with anti-terrorist force protection requirements, featuring blast proof windows and eighteen-inch thick concrete walls. It also features amenities such as a kitchen, break room, nursing mothers room, and showers.

In the past decade, NNSY submarine work has included Engineered Overhauls, Engineered Refueling Overhauls, and submarine conversions into land-based training platforms. All are complex and extensive evolutions requiring constant communication, resource sharing and effective teamwork. This new facility promises to help in all of those areas, both for the NNSY workforce as well as Ship's Forces when they need to meet and train. NNSY's current submarine projects include conversions of USS La Jolla (SSN 701) and USS San Francisco (SSN 711) into Moored

Training Ships, and USS Wyoming (SSBN 742), which is being refueled and upgraded before returning to support the country's nuclear deterrence strategy.

NNSY Submarine Program Manager Pat Ensley said the building currently supports work on the Los Angeles class submarines, and will support work on the future Virginia and Columbia classes. "It improves our abilities by having a permanent facility and place to perform production work as close to the boat as possible," he said. Adding that the building is segmented by mechanical, electrical, nuclear and non-nuclear work areas, he said, "we're going to have capability for every shop, with ergonomically designed work areas as well as giving individuals all the amenities they would want from starting to ending their work days."

"Today has been a long time coming, and there have been unforeseen challenges in this project that were effectively mitigated by our shipyard facilities department, our Naval Facilities team, our contracting partner Whitesell-Green, and our operations department," said Torkelson. "Today we commend your combined efforts as we look forward to the future of submarine repair and modernization in America's Shipyard."

C-FRAM FRAUD SCHEME AWARENESS

JULY: FAILURE TO MEET SPECIFICATIONS

Businesses Collude so that a Competing Business can Secure a Contract

DOD EXAMPLE

In April 2019, Sapa Profiles Inc. (SPI) agreed to pay \$46 million to NASA, the DoD, and others for falsifying thousands of certifications for aluminum extrusions, which are used on NASA rockets and MDA missiles. Over the past 19 years, SPI and its employees falsified tensile test results to conceal SPI's inconsistent quality of aluminum extrusions, avoid the scrapping of metal and production delays, and improve SPI's profits. SPI has agreed to pay \$34.1 million in combined restitution to NASA, MDA, and commercial customers and will forfeit \$1.8 million in ill-gotten gains. SPI also agreed to pay \$34.6 million as part of a related civil settlement under the False Claims Act for causing a contractor to invoice MDA and NASA for noncompliant products.

DON EXAMPLE

In June 2019, Enco Industries, Inc. pled guilty to making false statements, which affected both DON and USAF products. Enco was awarded a five-year DLA contract to acquire 96,000 units of hazardous material oil sorbent mats. The contract specified that the mats must dissipate electrical charges to the ground and must be manufactured by a company in Tipton, PA. From 2012 through 2013, Enco received payments totaling \$683,514 for providing 21,700 units, only seven of which were manufactured by the company in Tipton. In 2013, the DLA notified Enco of potential contract termination due to non-conformance after testing concluded that several mats did not meet the static decay or surface resistivity requirements. Sentencing is scheduled for September 11, 2019 where the company could be placed on probation for up the five years and fined up to \$500,000.

INDICATORS (RED FLAGS)

Pattern of failed tests of inspections; Low quality, poor performance, or high volume of used complaints; Absent or inadequate test or inspection documentation.



LEARN MORE TODAY

Check out the C-FRAM site on WebCentral under C100CE for more information.

Need to report fraud? Contact the NNSY Hotline today at 757-396-7971 or NNSY_IG_HOTLINE@navy.mil.

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