



Trident Refit Facility, Bangor

Refit Review

February 2023

Volume 34, Issue 2

**PURE
KNOW-HOW
& GUMPTION**

**TRFB Builds
Parts from
Scratch**

+PLUS

**DRYDOCK SEISMIC
ACTIVITY: WHAT
IT MEANS FOR TRFB**

&

**BLACK HISTORY
MONTH, VALENTINE'S
DAY AND BZs**

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PURE KNOW-
HOW &
GUMPTION



Team member, Nathan Klein, TRFB's Pumps and Valves shop (31D) work lead, breaks down wooden support pieces while working to build a heat exchanger. The heat exchanger systems provide heating and cooling capabilities needed to operate a wide variety of machinery used aboard naval ships. TRFB supports the nation's strategic deterrence mission by repairing, incrementally overhauling, and modernizing Pacific Fleet strategic ballistic missile submarines during refits. (U.S. Navy photo by Mass Communication Specialist 2nd Class Adora Okafor/Released)

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REFIT REVIEW

Commanding Officer.....Capt. Michael D. Eberlein
Executive Director.....Mr. Ed Ingles
Executive Officer.....Cmdr. Zachary D. Harry
Command Master Chief.....CMDCM Chase M. Krause
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Public Affairs SpecialistMr. Michael Hatfield
Public Affairs SpecialistMr. Nicholas Scott
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Mass Communication Specialist 2nd Class Sarah Christoph

CAPTAIN'S CORNER

Team TRF Bangor,

I want to start by thanking everyone for being safety conscious and performing thorough operational risk management here at TRFB. I am regularly impressed by how seriously this command takes the safety of our Sailors and civilians – the recent highlighting and aggressive investigation of the dangerous crosswalk at Sealion Rd shows how we are setting the standard at identifying hazards and elevating them to the right level.

There has been a lot happening since the last refit review; most visibly the temporary suspension of dry dock operations and the large scale effort to reinforce the walls. As most of you already know, this is a new development that occurred due to increased scrutiny on seismic risks, and it identified necessary precautionary work. The urgency with which you see this work executed is reflective of the critical priority of the work at TRF, and reflects the commitment of the Navy to safety for personnel and submarines in our care.

Last year, I started to discuss the Navy's "Get Real, Get Better" campaign by outlining the need for the Navy – for all of us – to deliver the absolute best warfighting capability in the era of great power competition. Since then there have been numerous reminders of the growing challenges posed by our rivals. Over the next few months the Navy will be continuing its rollout of the "Get Real, Get Better" closer to the deckplate level. As we prepare for these discussions, please think about what obstacles and barriers are holding you back from doing your job as quickly and effectively as possible – and please continue elevating those you cannot fix at your level.

Get Real, Get Better is a continuing effort to change a lot of people's mindsets from "We can't do this because ..." to "We can do this if ..." This is what the Navy will have to do to be able to meet its upcoming challenges, deterring our adversaries and ready to decisively win if deterrence fails.



As February draws to a close, I would also like to ask you all to join me in celebrating Black History Month. This month we honored those in the African-American community who have given so much to our nation and the world in science, culture, mathematics and across every field you can imagine.

As always please continue to exercise the good decision-making skills I have come to expect from such an exceptional team, stay safe, and I'll see you on the "deckplates!"

V/R,

CAPT Mike Eberlein
Commanding Officer
Trident Refit Facility Bangor

DISCIPLINARY REPORT

January Discipline

- Termination during Probationary Period – Not Meeting Performance Expectations (non-supervisory)
- Termination during Probationary Period – Not Meeting Attendance

To protect the identity of those involved, no specific details are provided. This report is produced by the Northwest Human Resources Office.

Expectations (non-supervisory)

- Letter of Reprimand – Unacceptable Conduct (non-supervisory)
- Letter of Reprimand – Unacceptable Conduct (supervisory)
- 1-Day Suspension – Inappropriate Behavior (supervisory)

NAVY SUSPENDS KITSAP DRY DOCKS

Article by Peiyu Lin, Kitsap Sun, Photo by Mike Hatfield, TRFB Public Affairs

The Navy will temporarily suspend submarine dry docking in three dry docks at Puget Sound Naval Shipyard and one dock at the Bangor base following a planned earthquake study that revealed new safety concerns, the Navy said Jan. 27.

The temporarily suspended dock operations include those in Dry Dock 4, 5, and 6 at PSNS and the dry dock at Delta pier at Trident Refit Facility Bangor.

“The recently conducted seismic assessment, executed as part of the Navy’s long-range Shipyard Infrastructure Optimization Program (SIOP), identified potential issues associated with the remote possibility of a large-scale earthquake occurring simultaneously with a submarine maintenance availability,” the Navy said in a statement.

With the new information, the Navy is taking additional measures to further ensure the safety of the shipyard workforce, sailors, the public, the environment and the subs, the Navy said.

PSNS Commander Capt. Jip Mosman said in an email to the teams of PSNS

and TRF that there is no immediate risk to the people in the facilities, the local community, the environment or the submarines. Mosman said the Navy is making mitigation efforts at these locations and that the shipyard’s workforce size and workload demands don’t change because of the measures.



A group from the program management office for the Columbia class ballistic missile submarine visits the dry dock at Trident Refit Facility Bangor (TRFB).

A Naval Sea Systems Command-led team is working to return the docks to service with the additional upgrades in place, the Navy said.

“We will begin implementing these mitigations immediately

and safely return our dry docks to full capacity as soon as possible,” said Vice Adm. Bill Galinis, commander of Naval Sea Systems Command.

The Navy is working to minimize delays to ship schedules and fleet impacts, according to the statement.

The measures don’t impact the maintenance work of aircraft carriers, the Navy said. Currently, USS Theodore Roosevelt is moored at PSNS. The aircraft carrier exited the shipyard’s Dry Dock 6 last August. 🌿



Code 08 Safety Briefing

February 2023

Topic: Asbestos

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SAFETY FIRST

Asbestos Two Classes of Work under the IPI are limited and full:

Asbestos Two Classes of Work under the IPI are limited and full:

Limited Asbestos Work: Personnel involved in the removal of non-friable ACM that is not expected to become friable and release airborne concentration of asbestos fibers above the PEL during removal. Examples: Removing or installing gaskets, pipe hanger liners, valve packing, thermal deck clips, filler material, and brakes clutches, electrical arc chute or cables.

Full Asbestos Work: Personnel involved in the removal or repair of TSI, sprayed-on, troweled-on, or other ACM, and work done in a glove bag, including operations (e.g., mechanical removal methods) that may cause asbestos fibers to become airborne. Examples: removal of flex ducts, roofing and flooring materials, ceiling tiles, transite panels, decorative plaster (surfacing material), mastic, TSI, filter change outs, removals using glove bags, work done in NPE mechanical removal of non-ACM that is in contact with asbestos mastics.

IPI -0993-902C is a “B” type standing instruction for a process that qualified personnel are EXPECTED to know and perform. Type “B” instructions SHALL be cited in the general requirements section of the Technical Work Document (TWD).

Asbestos- A naturally occurring mineral that comes in two forms, serpentine form amphibole. Chrysotile is a serpentine form while amosite, crocidolite, tremolite, anthophyllite, and actinolite are amphibole forms.

Asbestos Fiber- A particulate form of asbestos that is at least 5 micrometers long and its length is three times its width, (i.e., 3:1 length to width ratio) per the National Institute for Occupational Safety and Health (NIOSH) Method 7400 “A” rules.

If an asbestos survey was not done, assume all suspect material to be ACM. Remove and handle suspect material as ACM, and dispose as ACWM.

When responding to an asbestos spill or isolating an area where only asbestos workers are allowed to access the asbestos spill area, use an asbestos barrier tape that has the information below.

DANGER ASBESTOS AUTHORIZED PERSONNEL ONLY
DANGER ASBESTOS HAZARD

Uses for Asbestos: Electrical components, older electrical wiring, window glazing, flooring products, sheet rock and joint compound mastic/adhesive, roofing products, molded plastic, fire protection, chemical work areas, cement water pipes, brake pads, cement building siding, gasket material, insulation, and clutch disks.

Need for Awareness: Unless you can say, “I know for a fact that there is NO Asbestos in the material I am working with”, you need to **STOP WORK** and find out. We need to prevent uncontrolled exposure.

NOT KNOWING IS NOT AN OPTION!

For example, you are assigned to work on a valve or piece of equipment, upon inspection for removal of items you see a gasket, you have no idea if the gasket contains asbestos. You are NOT an Asbestos worker or a Limited Asbestos worker.

!STOP WORK!

- NOTIFY YOUR SUPERVISOR OF SUSPECTED ASBESTOS MATERIAL(S)
- SECURE WORK AREA
- HAVE LAB TESTING CONDUCTED ON SUSPECTED MATERIAL
- CONTACT SAFETY FOR ASSISTANCE

Disposal of Asbestos Material: Dispose asbestos material as required by local environmental laws and regulations Contact Safety (Bremerton) and or Environmental (Bangor) Departments for assistance MYTH- Asbestos is no longer used or found on submarines

- TRUTH-
- Asbestos can be and is STILL found today on Trident Submarines.
 - Asbestos was used in over 3,000 products and many laws have been introduced to regulate its use but asbestos is “STILL” being used in brand new material.
 - Found in Gypsum wall board from Canada & Mexico or in “green” recycled construction products.
 - In automotive components such as brakes and clutches or in roofing material.

Read SDS’s and you may find ingredients such as “organic minerals” or “inert serpentine”. Both are correct names or terms used for asbestos.

Lessons Learned Corner

Make the call or send the text. Strengthen your relationships with friends and family by sending a brief message to let them know you’re thinking of them.

Call your DON CEAP at 1-844-DON-CEAP (TTY 711) or visit MagellanAscend.com for helpful resources.

In December 2022, a TRFB employee broke their leg in two places when they fell through a raised floor system that contractors were working on earlier that day. ROOT CAUSE: Contractors did not follow proper safety controls and improperly integrated the old flooring system with the new flooring system by modifying the stringers. LESSONS LEARNED: Contractors should have inspected the floor with a structural engineer before allowing TRFB employees to walk on the new deck. TRFB also learned that Code 08 needs to be an integral part of contract oversight to ensure the contractor work does not create a hazard for a TRFB employee. Additionally, Contract Officers or concerned employees who have OSH concerns with contracts in the future should contact Code 08 as soon as possible to ensure the OSH Office is working with key stakeholders to prevent contracted work from affecting a TRFB employee. In this scenario, Code 08 was not aware of the contract work until after the injury occurred.

THROUGH THE LENS

U.S. Navy Photos by MC2 Adora Okafor, TRFB Public Affairs

TRFB team member Scott Carter (right), 71T Tile and Plate Setter supervisor, discusses his division's productivity with TRFB leadership during a gemba. The Tile and Plate Setters provide safe, protective and aesthetically pleasing floor coverings for TRFB's submariner fleet.



TRFB team member Gerald McKlosky, Code 613 Quality Assurance Inspector (QAI) division head, and TRFB's Commanding Officer, U.S. Navy Capt. Michael D. Eberlein look at packing glands during a gemba. Code 613 Quality Assurance Inspectors (QAI) personnel are responsible for conducting in-process critical inspections and testing of components within the Submarine Safety (SUBSAFE) boundary, as well as structural, mechanical and critical coating inspections.



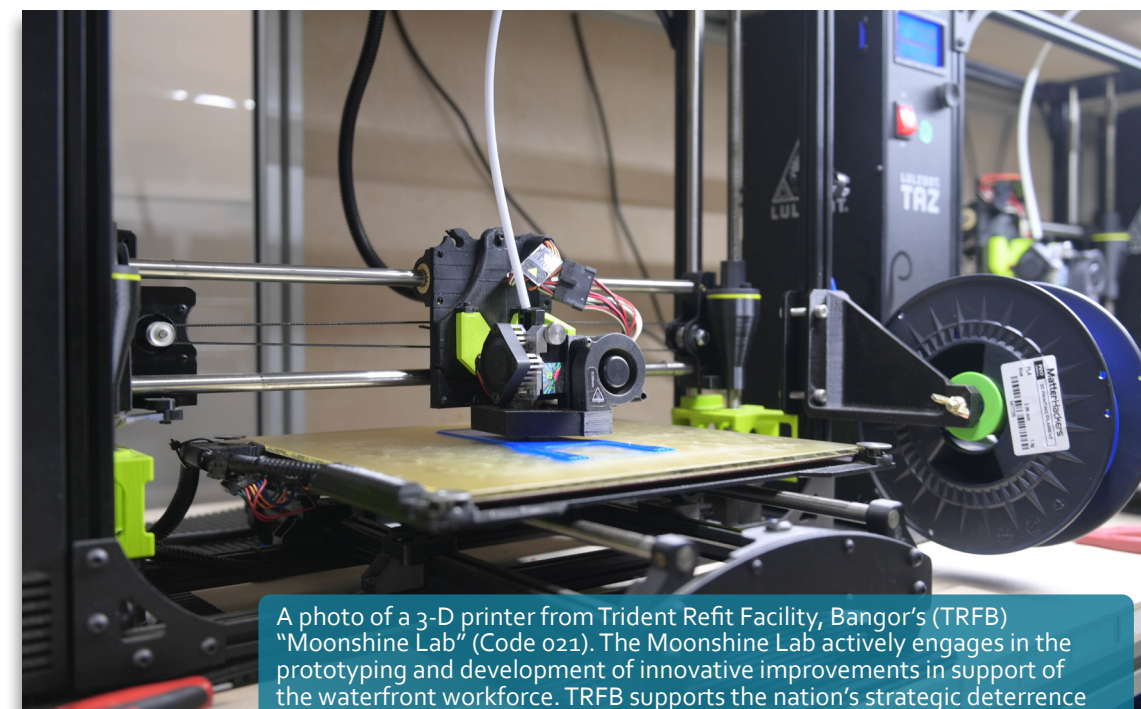
TRFB Moonshine Lab (Code 021) team members, Ken Barnes (second from left) and Tim Springer (center), discuss shop productivity with TRFB's leadership during a gemba. The Moonshine Lab actively engages in the prototyping and development of innovative improvements in support of the waterfront workforce.



The tile inlay from Trident Refit Facility, Bangor's (TRFB) Tile and Plate Setter division. The inlay shown is a Torpedoman's Mate's vocal idea that was hand drawn, hand cut, and transferred to tile. A copy of this inlay was installed on the Torpedoman's Mate's submarine. The Tile and Plate Setters provide safe, protective and aesthetically pleasing floor coverings for TRFB's submariner fleet.



Trident Refit Facility, Bangor (TRFB) team member Scott Carter (second from right), 71T Tile and Plate Setter supervisor, discusses his division's productivity with TRFB leadership during a gemba. The Tile and Plate Setters provide safe, protective and aesthetically pleasing floor coverings for TRFB's submariner fleet.



A photo of a 3-D printer from Trident Refit Facility, Bangor's (TRFB) "Moonshine Lab" (Code 021). The Moonshine Lab actively engages in the prototyping and development of innovative improvements in support of the waterfront workforce. TRFB supports the nation's strategic deterrence mission repairing, incrementally overhauling, and modernizing Pacific Fleet strategic ballistic missile submarines during refits.

PURE KNOW-HOW AND GUMPTION: TRFB BUILDS PARTS FROM SCRATCH

Article by:
MC2 Adora Okafor, TRFB Public Affairs
Photos by:
MC2 Adora Okafor and Mike Hatfield, TRFB Public Affairs.

There are many components that go into a submarine's proper functionality. One very important component, is a part called a heat exchanger, which is made of a metal shell and tubes that work by transferring heat from one place to another.

Recently, a heat exchanger on one of the submarines located on the Delta Pier was deemed "beyond repair". The original manufacturer of the heat exchanger was unable to provide a new contract for the part, so Trident Refit Facility, Bangor's (TRFB) Valves and Pump shop, Code 31D, took matters into their own hands. For the first time ever, the Pumps and Valves shop took on the challenge of building a new heat exchanger.

TRFB team member Nathan Klein, Work Leader 31D Valves and Pump Shop, is leading the 31D team that is building the new heat exchanger. Klein has been with TRFB since 2005, and remembers a similar project during his first few months on the job.

"When I first got here in 2005, that summer we were retuning the 3k heat

exchangers," said Klein. "That system is not on the submarines anymore, but we retuned three of those that summer."

Klein recalls all of the intricate work that took place his first summer working at TRFB and reflects on both the similarities and differences of the job he did back in 2005 compared to the job his team is currently working on 17 years later.

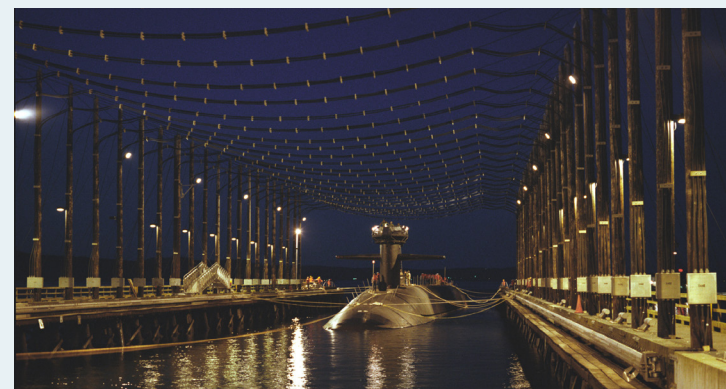


TRFB heat exchanger team. A heat exchanger on one of the submarines located on the Delta Pier was deemed "beyond repair". The original manufacturer of the heat exchanger was unable to provide a new contract for the part, so TRFB took matters into their own hands.

"The heat exchanger onboard the submarine is beyond repair so the solution is to either make a new one or get a new one," said Klein. "We [TRFB] did not secure a contract for a new heat exchanger, so the only alternative is to make one ourselves. This is like assembling an engine from scratch rather than rebuilding an old engine."

According to Klein, the preparation started back in May 2022, when the planning office and engineers wrote a package for the 31D team to provide detailed instructions on how to build a heat exchanger.

"We're about seven months in of actual progress," said Klein. "Things moving, tools



TRFB filled Dry Dock with submarine, courtesy of TRFB Public Affairs

hitting parts—we've got about a month left to meet our deadline and we're hopeful that we will make it."

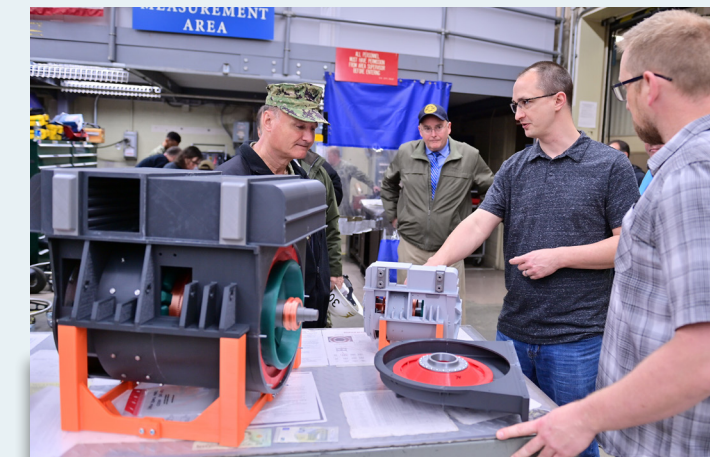
Shop 31D was not the only division hard at work, the project was a group effort between many shops such as Planning, Engineering, Mechanics, and Non-Destructive Test (NDT) Examiners. All of the shops had multiple meetings over the last several months to make sure the process for building and testing the heat exchanger went as smooth as possible. The NDT shop, which duties include visual testing and inspection of piping and structural welds, conducted a radiography test. This radiography test used an x-ray to verify that the metal for the heat exchanger was properly welded.

"There was a ton of NDT work," said Klein. "NDT figured out how to do a radiography test, it's the first time they've done it that way and they were successful. Every portion

of this job has been something new that no shop has ever done before."

Sailors enrolled in the Navy Afloat Maintenance Training Strategy (NAMTS) program have also received some rare training on putting together a heat exchanger. Heat exchangers typically last a long time, the one being replaced lasted about 35 years, and not many Sailors have seen or worked on a heat exchanger before. A few Sailors have had the opportunity to work alongside civilians to train and help with the job.

"It has been such a unique job," said Klein. "Everyone is stopping by and talking about it. I don't know if there is a single shipyard that has built one of these from scratch before."



Ryan Shaffer, the electrical repair shop supervisor at Trident Refit Facility Bangor (TRFB) discusses a 3D-printed model of a 500 kilowatt ship's service motor generator with Vice Adm. William Galinis, commander of Naval Sea Systems Command, during a visit.

BRAVO ZULU!

PROMOTIONS:

Christopher Acoba
Jason Avery
Noah Barber
Trenton Binford
Shay Bowman
Zachary Brachter
Timothy Coots
Mathan Daugherty
Chad Davis
Swey Dean
Patrick Fendley
David Fletcher
Jeffrey Hall
Lourinda Haugan
Nathaniel Iott
Vincent Johnson
Aaron Joseph
Kim Kenny
Travis Kitrick
Isaiah Lawson
David Mabry
Joshua Martin
Tyler McLaughlan
Joseph Miller
Zachri Milligan
Ryan Oliver
Craig Orwin
Karl Otheim
Korey Peterson
Grant Richmond
Trance Rivera
Rene Roldan
Karl Schippel
Nathan Stevens
Jeremy Stottlemeyer
Mark Toledo
Scott Trulli
Lucas Waskosky

U.S. Navy Photos by MC2 Adora Okafor



U.S. Navy Capt. Michael Eberlein speaks to a Navy Afloat Maintenance Training Strategy (NAMTS) program class prior to graduation. The NAMTS Program was established by the Chief of Naval Operations to improve battle group organic maintenance capability and material self-sufficiency. TRFB's core mission is repairing, incrementally overhauling, and modernizing the Pacific Fleet's ballistic missile submarine force.



TRFB leadership and TRFB's Navy Afloat Maintenance Training Strategy (NAMTS) program graduates pose for a group photo. The NAMTS Program was established by the Chief of Naval Operations to improve battle group organic maintenance capability and material self-sufficiency. TRFB's core mission is repairing, incrementally overhauling, and modernizing the Pacific Fleet's ballistic missile submarine force.

Voluntary Leave Transfer Program

The VLTP permits employees to donate annual leave to other employees experiencing medical emergencies. Below is a list of employees who are seeking donations.

If you wish to transfer annual leave or have questions, please contact: Human Resources (360) 966- 1536 or visit Bldg. 7000, 2nd floor, room W202.

- Robert Robinson
- James G. Wright
- Patrick Bobb
- Michael Dunne



Black History Month

Black History Month is an annual observance originating in the United States, where it is also known as African-American History Month. It has received official recognition from governments in the United States and Canada, and more recently has been observed in Ireland and the United Kingdom. It began as a way of remembering important people and events in the history of the African diaspora. It is celebrated in February in the United States and Canada, while in Ireland and the United Kingdom it is observed in October.

Presidents' Day

Presidents' Day, also called Washington's Birthday at the federal governmental level, is a holiday in the United States celebrated on the third Monday of February to honor all people who served as presidents of the United States and, since 1879, has been the federal holiday honoring George Washington, who led the Continental Army to victory in the American Revolutionary War, presided at the Constitutional Convention of 1787, and was the first U.S. president.

Valentine's Day

Valentine's Day, also called Saint Valentine's Day or the Feast of Saint Valentine, is celebrated annually on February 14. It originated as a Christian feast day honoring one or two early Christian martyrs named Saint Valentine and, through later folk traditions, has become a significant cultural, religious, and commercial celebration of romance and love in many regions of the world.

Looking for portrait or photo support, public affairs guidance, graphic or flyer design, or other command-related media requests? Stop by the Public Affairs office to make a request or appointment today!

Studio portrait walk-ins are held on Wednesdays from 0800-0900. Studio times may be adjusted to suit your schedule.

Remember to bring the prescribed uniform, cover, and package instruction for the specific type of studio portrait requested.



Self-care isn't selfish



Don't let anyone suggest that caring for you is the wrong thing to do. In fact, it's the best thing you can do!

Register for this live webinar on Wednesday, March 8 at 1:00 pm CT to:

- Learn how to make self-care a priority.
- Gain skills for creating emotional balance in your life.
- Identify ways to better incorporate self-care practices into your daily routine.

**All live webinars are recorded and posted on your member website.*

Visit MagellanAscend.com or call your DON CEAP at 1-844-DON-CEAP (TTY 711) for helpful resources.