



The Dose

The Merrick Group, Inc.

APRIL
2025

South Texas Project



The South Texas Project Electric Generating Station is one of the newest and largest nuclear power facilities in the nation. STP's two units produce 2,700 megawatts of carbon-free electricity, providing clean energy to two million Texas homes. STP is one of Merrick's newest clients.

This month, we are performing an online chemical cleaning of all 12 condenser water boxes at the plant. This work will take 6-8 weeks to complete. We are excited for this opportunity! Shoutout to our crew currently working hard to complete the project in Bay City, Texas!

WHERE ARE WE WORKING THIS MONTH?

- SSES
- COMANCHE PEAK
- MCGUIRE
- MARTINS CREEK
- DC COOK
- COLUMBIA
- STP
- CALLAWAY
- FARLEY
- WATTS BAR

How many marshmallow chicks
would it take to power **ONE**
nuclear reactor on Easter Day?



29
CAL

The average
marshmallow chick
is 29 calories (29 calories = 29 kilocalories or
.0337 kWh/chick)

*To those spending Easter
away from family working
an outage,
we
appreciate
you!*

HAPPY
Egster



One nuclear reactor produces 1 million kWh of
electrical energy per hour



One reactor would produce 24 million kWh of
electricity on Easter Day which is the equivalent
energy found in **712,166,172** marshmallow
chicks!



IMPORTANT!

Starting **May 7, 2025**
individuals will need a
Real ID or Passport to
board domestic
flights, access certain
federal facilities and
Nuclear Sites.

CLEARANCE & TAGGING

The Clearance & Tagging Program provides safety and protection to people working on equipment that affects plant operations.

Energy Isolation Device

A physical device that prevents the transmission or release of energy

People are protected by properly identifying and controlling ALL sources of hazardous energy supplying the equipment or system.

Clearance

Document that specifies the EIDs that are used to provide protection

What is Hazardous Energy?

Any energy, including mechanical, pneumatic, hydraulic, electrical, chemical, nuclear & thermal energies that could cause injury to an employee.

CLEARANCE & TAGGING CREW BRIEF

The "Holder" conducts a brief to all Authorized Workers who will be covered under the clearance to ensure they understand how and why they are protected as well as the limitations of the protection provided by the clearance.

CLEARANCE HOLDER

The administrative owner of the Clearance. Verifies adequacy, accuracy & effectiveness of the clearance.

SIGNING ONTO THE CLEARANCE

Authorized Workers must attend the clearance brief prior to signing on the clearance. You must understand the adequacy of the clearance protection. It is the AW's responsibility to sign off the clearance at the completion of work or the end of shift, whichever comes first.

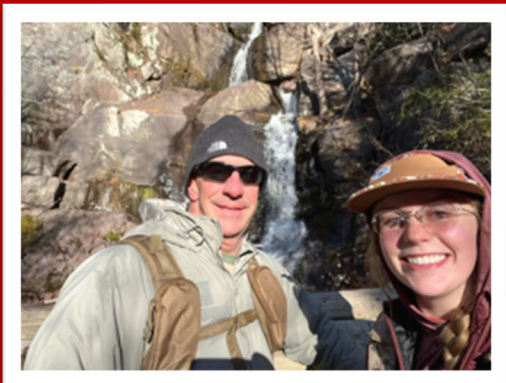
AUTHORIZED WORKER

Any person that needs protection under a clearance.

ESOMS IS THE ELECTRONIC CLEARANCE

YOU CANNOT SIGN OTHERS ON/OFF CLEARANCES

No one is permitted to break the plane of any component until they have been briefed and signed on the clearance. That means if you are walking down a component, you cannot cross the barrier with your hand or body until/unless you are signed on the clearance.



Dave Merrick and Jillian Underwood rucked for 22 miles carrying 22 pounds on 3/23 for the Stop Soldier Suicide Foundation. This is a cause near and dear to Jillian's heart in honor of Taylor Lawson.

Why 22? 22 veterans commit suicide per day. Stop Soldier Suicide Foundation has set a goal to reduce veteran suicide by 40% by 2030, if not sooner. If you'd like to support this cause, go to

www.stopsoldiersuicide.org.

Way to go Dave & Jillian, we are proud of you!



CHECK
OUT



This is what 20 years' worth of spent nuclear fuel looks like!

Spent fuel is safely stored at the former Maine Yankee nuclear plant. The energy produced from this fuel helped avoid 70 million metric tons of CO2 emissions.

Spent nuclear fuel is stored in a cask. One cask can store about 15 metric tons. Dry cask storage containers are made of layers of steel and designed to last a century or more.

Eddy Current at Ocone



Jackson Faulkner & Matt Mesce



Laurel Behrend in dress out



Above: Jonathan Green, Jared Reber, & Avery Green; Keith Owensby, Jared Reber, & Jillian Underwood
Left: Keith Owensby & Jared Reber



BRUNSWICK HX & ECT

Below: Karissa Masich, Josh "Boudin" Roson, & Luke Williams doing a thorough 2-minute drill before Eddy Current on RHR Room Cooler; Karissa Masich & Josh "Boudin" Roson swapping roles in FWH



VOGTLE UNIT 2

Right: Jessie Padgett hydrolazing ACCW; Jessie Padgett hydrolazing 3C FWH

