



# The Dose

The Merrick Group, Inc.

JUNE  
2025

## DID YOU KNOW?

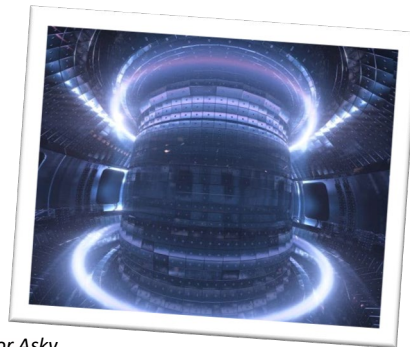


Big news for nuclear energy! Researchers at the Chinese Academy of Sciences recently revealed that they've successfully operated a thorium- powered nuclear reactor in

the Gobi Desert. Thorium is a safer, more accessible fuel compared to uranium.

A world-first achievement, researchers ran the reactor at full power last year and reloaded it while still running. The reactor is a small, two-megawatt research unit that uses molten salt as both fuel and coolant. Molten Salt Reactors (MSRs) are much safer, they work at lower pressures and can handle higher amounts of heat. Molten fuel cools down naturally and stays contained unlike water reactors which can explode.

This type of reactor isn't new. The United States researched MSR's in the 1940's and 1950's with plans for nuclear powered stealth bombers. When Congress cut funding in 1961, uranium became the to go-to fuel. US research was then made public and helped lay the groundwork for the Chinese team's work. This could eventually change the nuclear energy game.



Source: Doctor Asky

## WHERE ARE WE WORKING THIS MONTH?



Colstrip SES

Panther Creek

ACME Industrial

McGuire

Merrill Creek

Aspire Bakeries

Harris

SSES

## THANK YOU

*Thank you to all who worked with us this spring season! Your hard work is appreciated and valued. We hope you take some time to recoup, recharge, and enjoy the summer!*

**"I will say the entire team did a great job. They even got challenged by the site VP and he stopped me in the hallway to say he had no concerns. Not common! Thanks for the help!"**

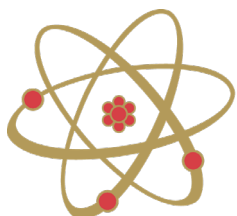


**- John T. Huber,  
Constellation  
Nuclear  
(Calvert Cliffs)**

# **NUCLEAR PROFESSIONALISM**

**Our jobs demand more which means we demand more of our employees. When you walk through those plant doors, there is no room for complacency. Short cuts don't happen on our crews. We always work to the highest standards. This is how we instill nuclear professionalism and are the leaders in nuclear maintenance:**

- Show up to work on time and ready to work
- Respect your co-workers and leadership
- Attend and participate in PJB, 2 Minute Drills & Training
- Understand your procedure & your role in each activity
- Be aware of your surroundings including hazards, plant equipment and housekeeping
- Be aware of radiological limits and what is expected of you in the RCA
- Understand the risks associated with your assigned task & mitigate or eliminate the risks
- Remember and share your OE
- Accept and offer coaching at all opportunities
- Understand industrial safety and what is expected of you so you can accept personal responsibility for your job performance.



**THE  
MERRICK  
GROUP**

**WE WORK TOGETHER  
WE CRUSH GOALS  
WE ARE A TEAM!!!**





SUSQUEHANNA



USS IWO  
JIMA



STP



CALVERT CLIFFS



BRUNNER  
ISLAND



MONTOUR



# COMANCHE HX & ECT

