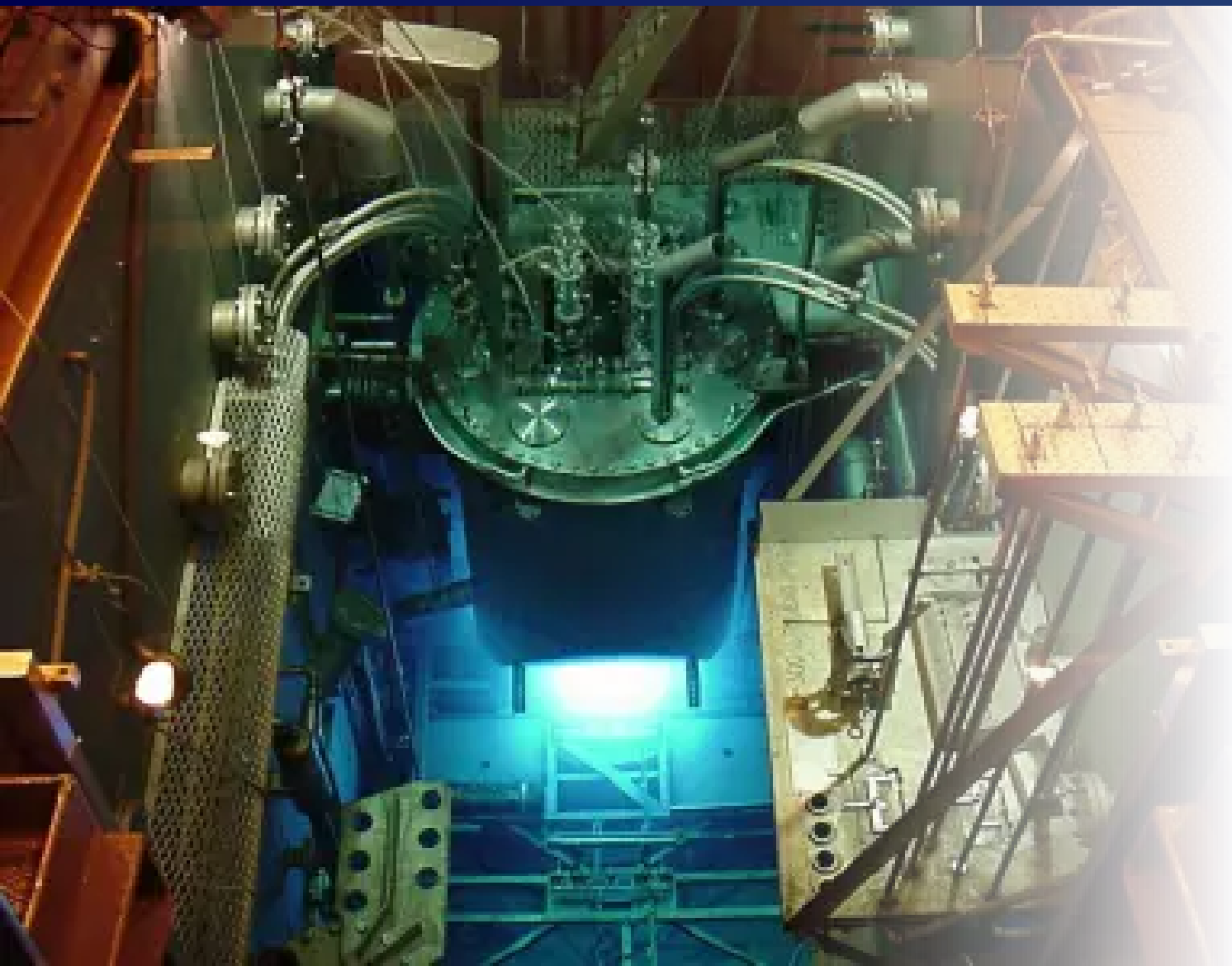


Perspectives on the Future of NPUF Regulation

*2024 TRTR Conference
October 1, 2024*



Opening Comments



Andrea Veil

*Director, Office of Nuclear Reactor
Regulation (NRR)*

Leadership Changes

COMMISSION



Chair



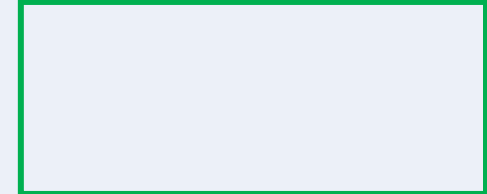
Commissioner



Commissioner



Commissioner



OEDO



Executive Director for
Operations (EDO)



Special Assistant for
ADVANCE Act
Implementation

NRR



Director, Office of
Nuclear Reactor
Regulation (NRR)



Deputy Office
Director for
Engineering



Deputy Office
Director for New
Reactors



Acting Deputy
Office Director for
Reactor Programs

DANU



Director, Division of Advanced
Reactors and Non-Power
Production and Utilization
Facilities (DANU)



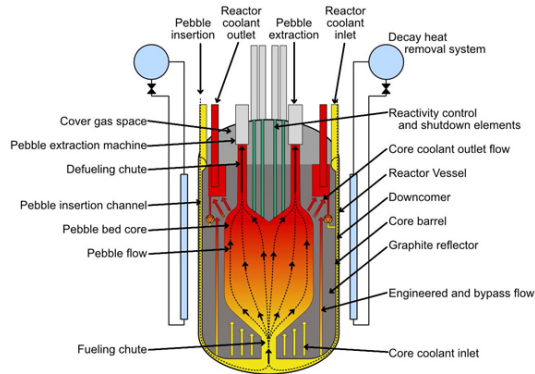
Deputy Director,
DANU



Acting Deputy
Director, DANU

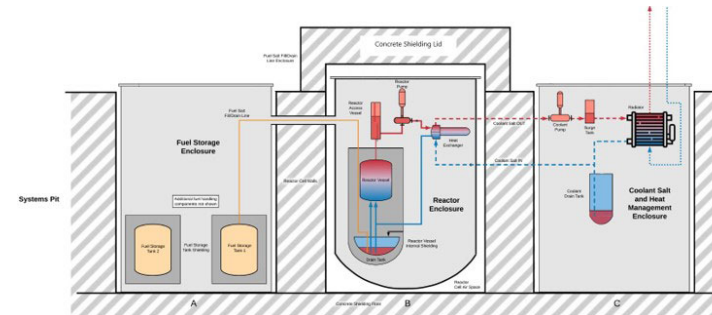
New in
Position

Advanced Reactor Ready



Hermes Test Reactor

- 35 MWth fluoride salt-cooled high temperature non-power reactor using TRISO-coated particle fuel in a pebble bed configuration
- Located in Oak Ridge, TN
- The Hermes 1 final SE was issued on June 13, 2023. The Hermes 2 final SE was issued on July 19, 2024.

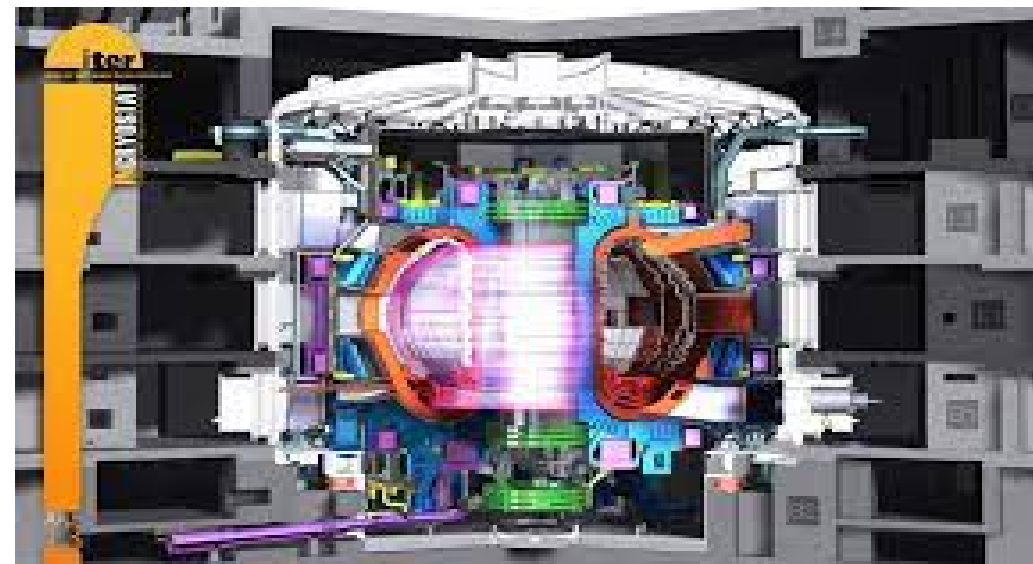
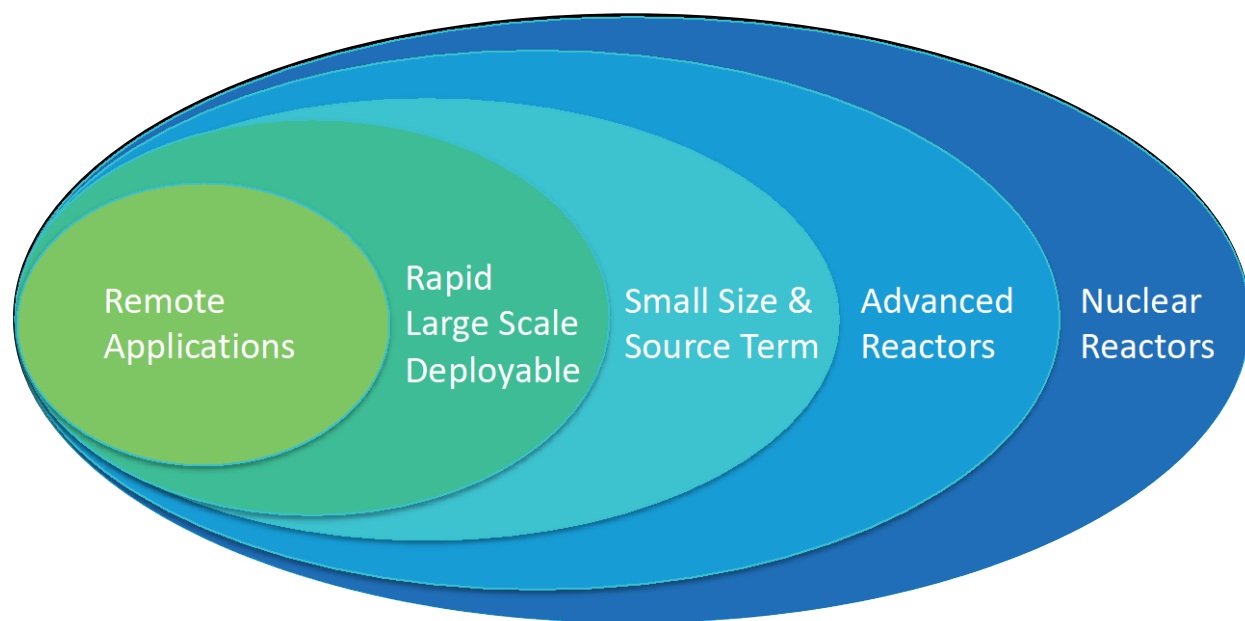


Molten Salt Research Reactor

- 1 MWth, graphite moderated, fluoride salt flowing fluid (fuel dissolved in the salt) research reactor
- Located on or near the ACU campus in Abilene, Texas
- Construction Permit submitted to NRC in August 2022 and the final SE was issued on September 16, 2024.

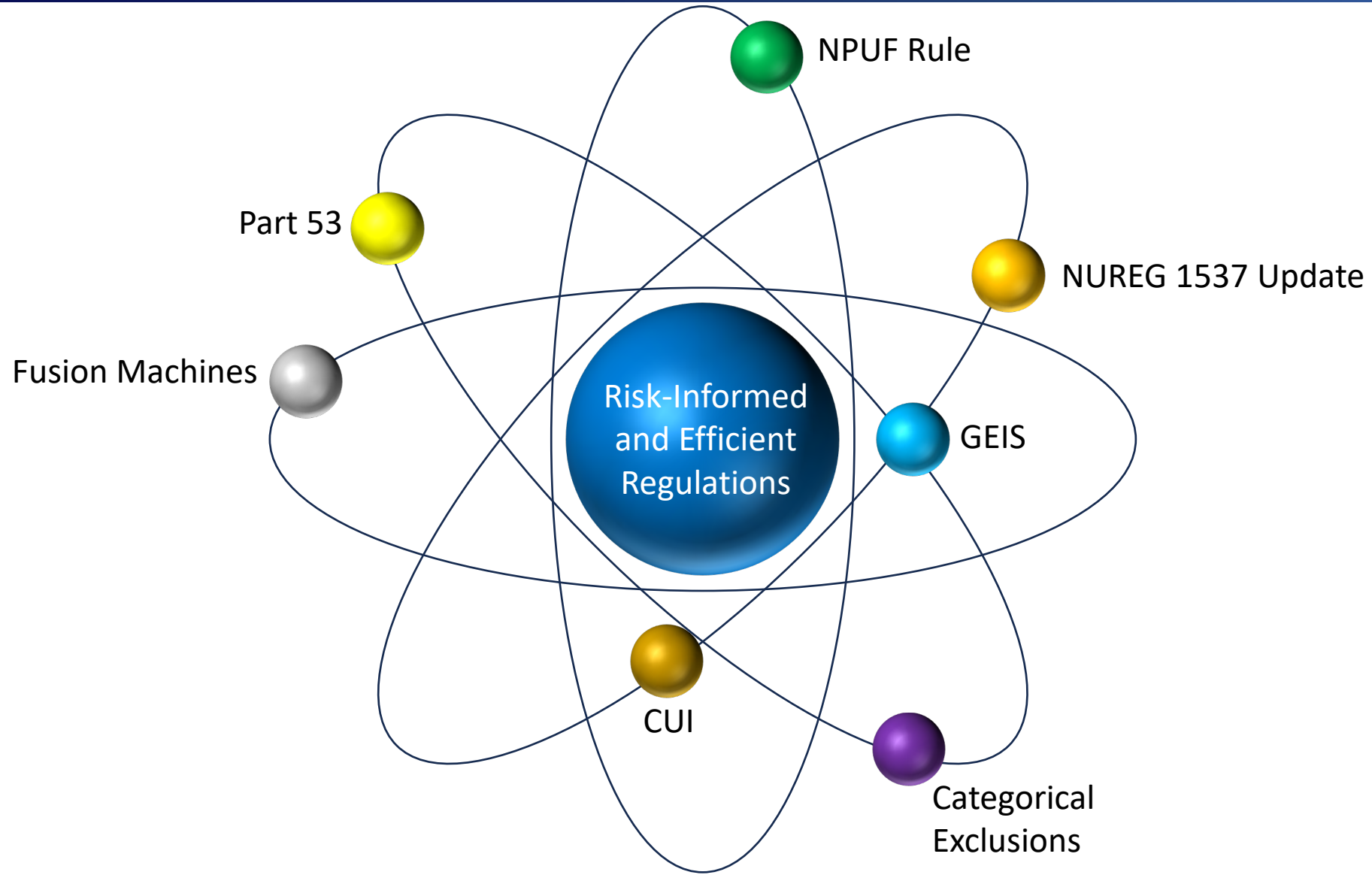
New Initiatives for Advanced Reactors

ADVANCE Act



NEI Proposal Paper

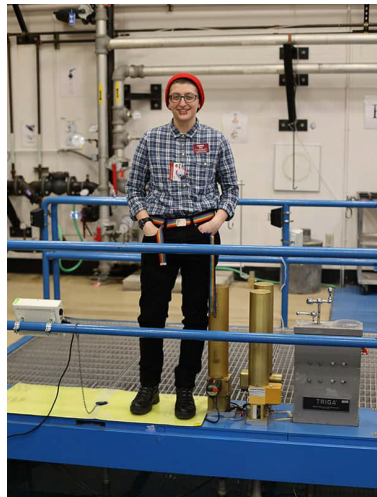
NRC Building Blocks to Regulation



NPUF Regulatory Highlights



NC State



Reed

NPUF Oversight



Ohio State



Purdue

Focus on Human Performance



Penn State



Texas A&M

OIG Reports



MIT



Reed

NRC Day

9 – 9:30 am	Advanced Reactors – Josh Borromeo
9:30 – 10 am	Question and Answer Session – NRC Staff
10 – 10:30 am	Break
10:30 – 11:40 am	Breakout Sessions
11:40 am – 12:00 pm	NPUF Licensing – Holly Cruz
12 – 1 pm	Lunch

1 – 2 pm	NPUF Oversight – Travis Tate
2 – 2:30 pm	Break
2:30 – 3 pm	Reporting to Headquarters – Andrew Waugh
3 – 3:30 pm	50.59 Changes and Digital I&C Upgrades – Norbert Carte
3:30 – 5 pm	NPUF Rule – Duane Hardesty
End NRC Day	

