

NCNR Status Update

NIST



October 26, 2021

Photo credit: Brian Renegar

Updated “No Earlier Than Date” to Restart



April 2022

Progress to Date

Instrumental area in confinement building decontaminated (guide hall not contaminated in February incident)

Contract awarded for cleaning primary system

Root causes identified and corrective actions being implemented

Request to restart reactor submitted to NRC

Reactor Operations and Health Physics prepare damaged fuel element for removal from reactor vessel – August 4, 2021



What remains?

Implement corrective actions to prevent recurrence

- Some depend on funding availability

Review by external consultants

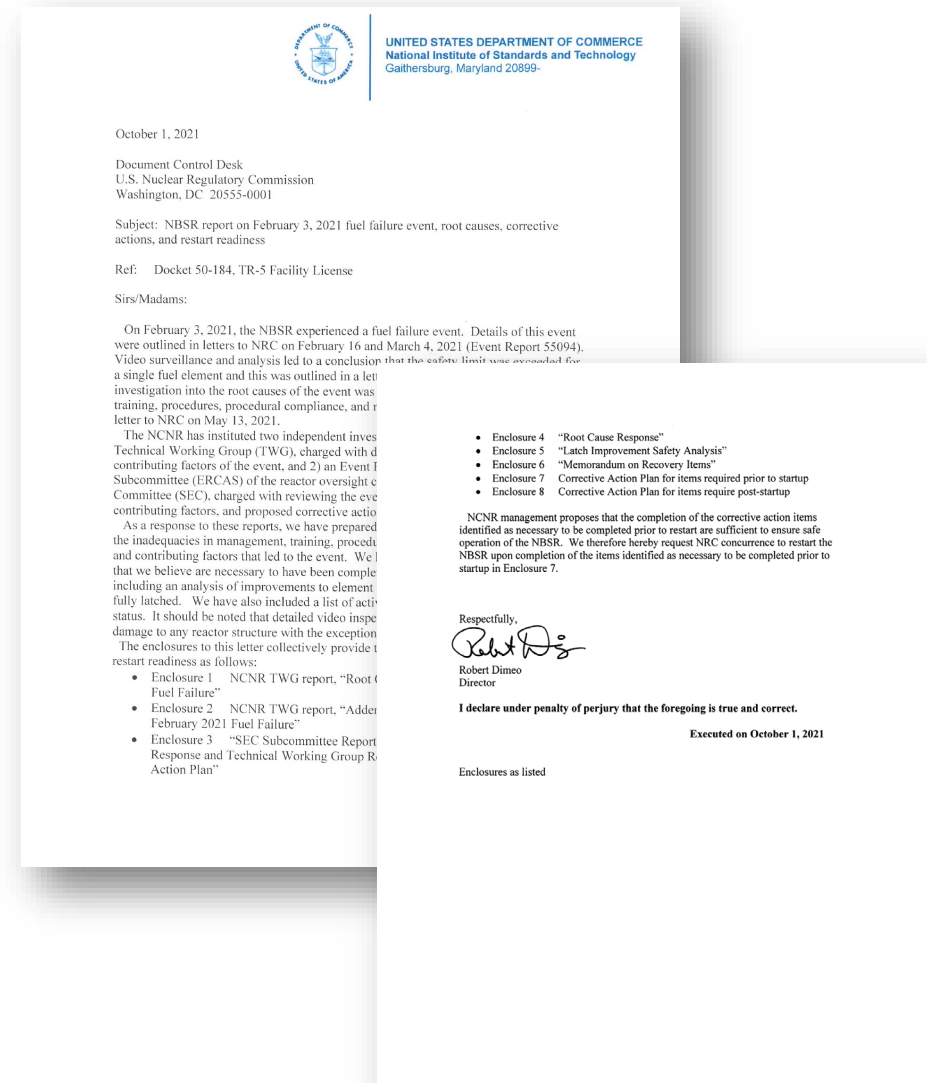
- On-boarding in progress
- Could result in additional corrective actions

Clean up primary system (contract)

Inspect/clean fuel elements (contract)

NRC process to restart

- NRC reviews request to restart and supporting documentation
- Requests-for-additional-information, hearings



User Program

Reactor restart date uncertain.

We will restart the reactor when

- Reactor plant has been restored to operational readiness; and
- NRC has authorized restart.

Not all instruments may be operating upon restart

Previously approved experiments not run have highest priority

We will run as many approved experiments as possible prior to the 2023 D₂ cold source outage

We are on track to start the 2023 outage near the beginning of CY2023



Thank you!

NIST

