



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**

REGION IV  
1600 E. LAMAR BLVD.  
ARLINGTON, TX 76011-4511

October 17, 2014

Adam C. Heflin, President and  
Chief Executive Officer  
Wolf Creek Nuclear Operating Corporation  
P.O. Box 411  
Burlington, KS 66839

SUBJECT: SUMMARY OF MEETING WITH WOLF CREEK NUCLEAR OPERATING  
CORPORATION

Dear Mr. Heflin:

On October 2, 2014, members of the U.S. Nuclear Regulatory Commission (NRC) staff met with representatives of the Wolf Creek Nuclear Operating Corporation (WCNOC) at the NRC Region IV Office in Arlington, TX.

During the meeting, Wolf Creek Nuclear Operating Corporation presented an update on the planned actions to address design problems with the essential service water system. A copy of the WCNOC presentation from the meeting is included as Enclosure 1.

During the question and answer session at the end of the meeting, members of the public asked questions of the licensee and the staff. These questions involved the costs and completion dates of the essential service water modification project.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter will be made available electronically for public inspection in the NRC Public Document Room or from the NRC's Agencywide Documents Access and Management System (ADAMS), accessible from the NRC Website at <http://www.nrc.gov/reading-rm/adams.html>.

Should you have any questions concerning this matter, we will be pleased to discuss them with you.

Sincerely,

***/RA D. Proulx for/***

Neil F. O'Keefe, Branch Chief  
Project Branch B  
Division of Reactor Projects

Docket No.: 50-482  
License No.: NPF-42

Enclosures: As stated

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ADAMS ACCESSION NUMBER ML14290A257

SUNSI Review By: NFO		X Non-Sensitive <input type="checkbox"/> Sensitive		X Publicly Available <input type="checkbox"/> Non-Publicly Available		
OFFICE	SPE:DRP/B	BC:DRP/B				
NAME	DProulx/DLL	NOKeefe				
SIGNATURE	/RA/	/RA/Proulx for				
DATE	10/17/14	10/17/14				

**Public Meeting October 2, 2014  
Wolf Creek Nuclear Operating Corporation**



## Introductions



## Process Improvements

Wolf Creek Engineering is the design authority:

- Make design decisions
- Approve calculations and design changes
- Dedicated engineers provide vendor oversight
- Third party reviews

Wolf Creek Project Management improvements:

- Project controls included in contracts
- Provide construction management oversight
- Frequent communications with third party participants

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## Plant Improvements

Essential Service Water Pipe Replacement:

- Replace ~200 feet of ESW piping in containment

Containment Coolers:

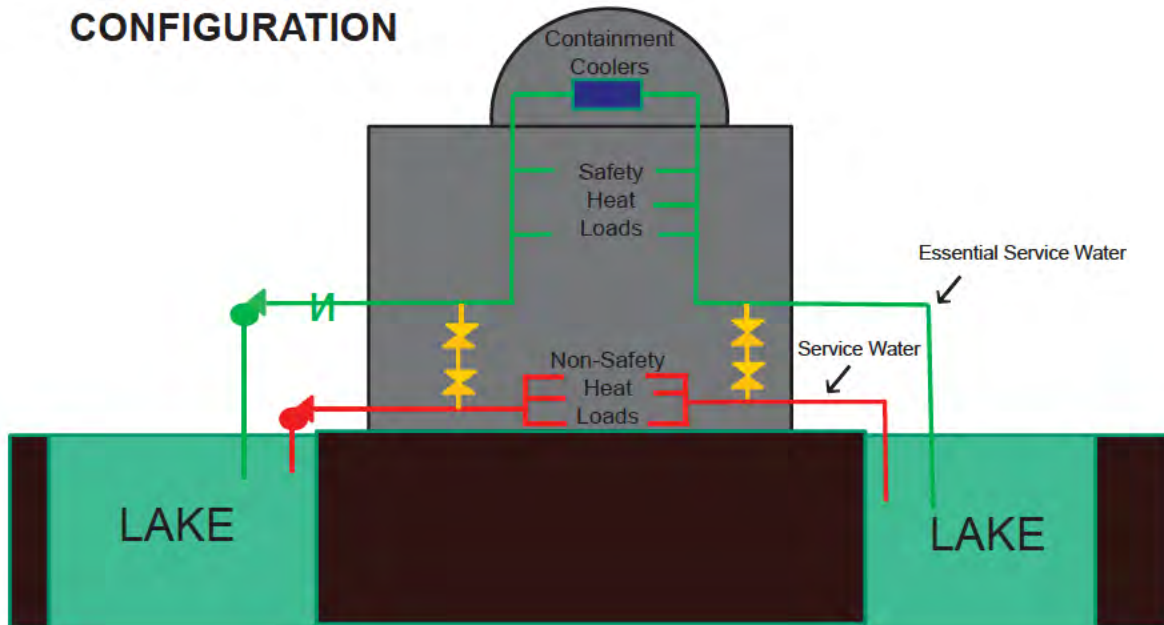
- RF20 - Replace one cooler with stainless steel tube bundles
- RF20 - Replace three coolers with like-for-like material
- Will replace all bundles with stainless steel tubes in subsequent refuels

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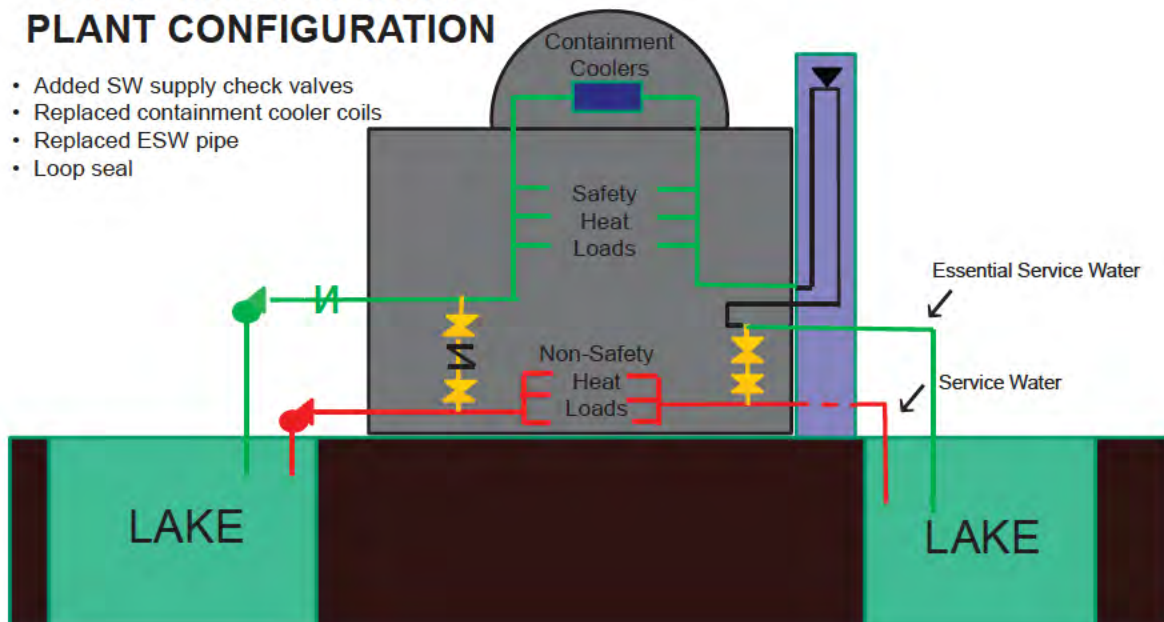


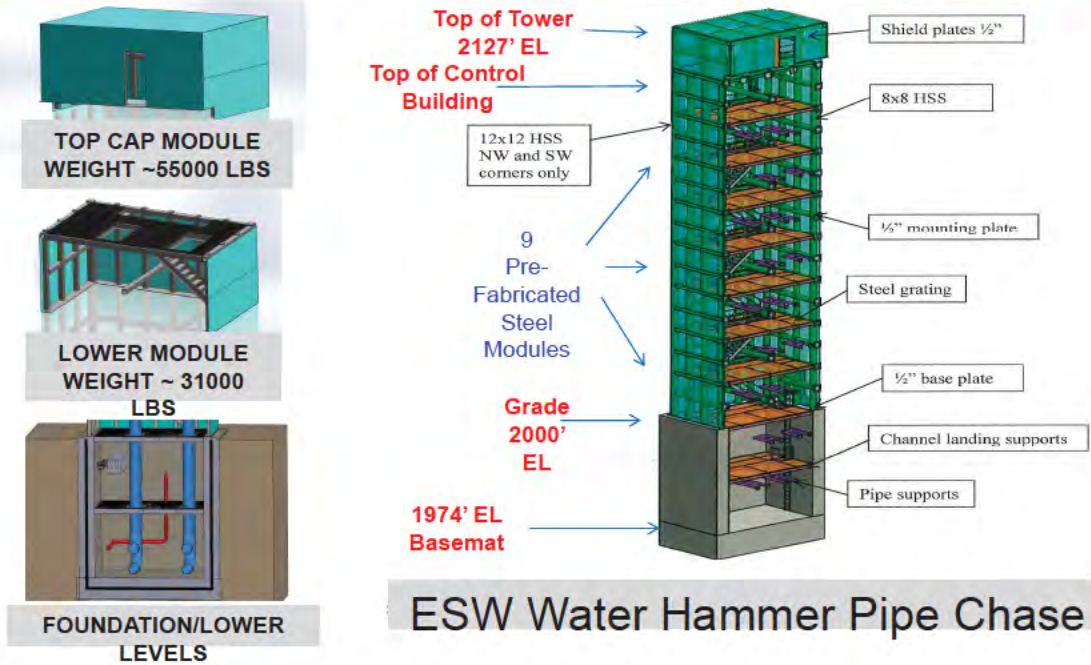
## CURRENT PLANT CONFIGURATION



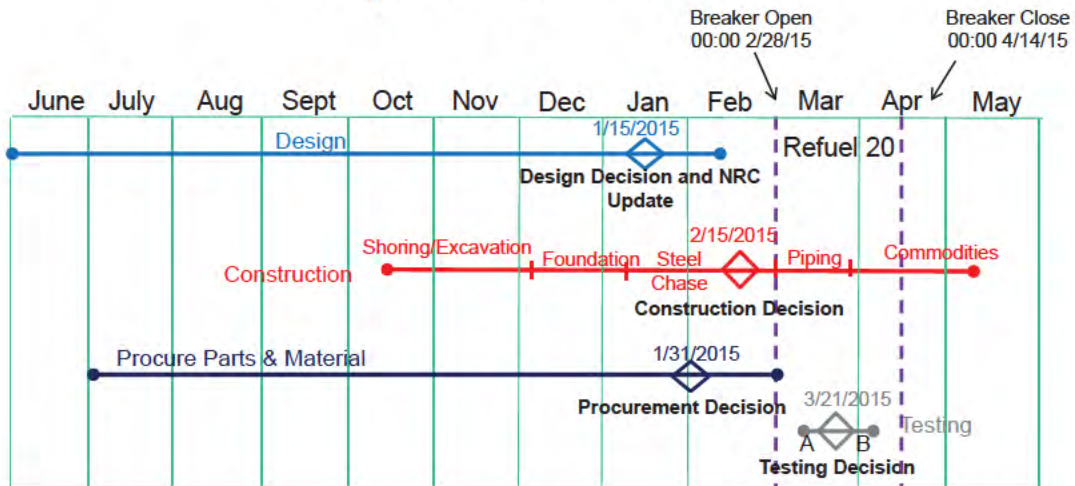
## POST MODIFICATION PLANT CONFIGURATION

- Added SW supply check valves
- Replaced containment cooler coils
- Replaced ESW pipe
- Loop seal





## Implementation





## Key Milestones

Design - 1/15/2015

- Hydraulic analysis approved with satisfactory results
- Piping and pipe chase design changes support construction

Procurement - 1/31/2015

- All ASME/safety-related valves shipped
- Fabricated steel module deliveries on track

Construction - 2/15/2015

- Fabricated steel structure module construction on track
- Piping installation and supports on track

Testing - 3/21/2015

- First division of ESW testing satisfactory

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## Conclusion

- Wolf Creek has high confidence in completing these actions:
  - adding a service water supply check valve for mitigation,
  - continued replacement of ESW piping, and
  - replacing Containment Cooler coils.
- Project team is focused on loop seal installation in RF 20, but barriers may exist.

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# Questions

