



# PROPOSED CHANGES TO COMPONENT DESIGN BASES INSPECTION PROGRAM

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09/14/2016 – NRC, Two White Flint North

# PURPOSE

- Inform public stakeholders on the NRC's proposed changes being considered for the Component Design Bases Inspection (CDBI) program for CY 2017
- Inform public stakeholders on the bases for these recommendations
- Obtain public feedback on the proposed changes

# NRC PARTICIPANTS

- NRR/DIRS: Jim Isom, Senior Staff, IRIB
- Region I: Paul Krohn, Chief, Eng. Branch 2, DRS
- Region II: Jonathan Bartley, Chief, Eng. Branch 1, DRS
- Region III: Mark Jeffers, Chief, Eng. Branch 2, DRS
- Region IV: Tom Farnholtz, Chief, Eng. Branch 1, DRS

# INFORMATION USED

- Internal feedback received from NRC management and inspectors on the CDBI pilot inspections
- External feedback received from industry on CDBI pilot inspections
- NRR direct observation of pilot inspections

# CONSIDERATIONS

- Maintain an effective CDBI program through evolutionary changes
- Overall NRC inspection hours for engineering remains the same
- Implement the same option in all Regions
- Reduce unnecessary regulatory burden

# PROPOSED OPTIONS

- Option No. 1:
  - 2 –Week Component/Modification Inspection  
(1 TL, 3 or 4 NRC inspectors, 2 contractors)
  - 2 Week Eng. Program Inspection  
(3 NRC inspectors)
  - 1- Week 50.59 Process Inspection  
(3 NRC inspectors)

# PROPOSED OPTIONS

- Option No. 2:
  - 2 –Week Component Inspection  
(1 TL, 3 or 4 NRC inspectors, 2 contractors)
  - 2 Week Eng. Program Inspection  
(2 NRC inspectors)
  - 2-Week 50.59/Modification Inspection  
(3 NRC inspectors)

# PROPOSED OPTIONS

- Option No. 3:
  - 3 –Weeks Component with Eng. Program Inspection  
(1 TL, 3 or 4 NRC inspectors, 2 contractors)
  - 2-Week 50.59/Modification Inspection  
(3 NRC inspectors)



# PROPOSED OPTIONS

- Blend of Options No. 1&2:
  - 2 –Week Component/Modification Inspection  
(1 TL, 3 or 4 NRC inspectors, 2 contractors)
  - 2 Week Eng. Program Inspection  
(3 NRC inspectors)
  - 2- Week 50.59/Mods Process Inspection  
(2 NRC inspectors)

# OPTION NO. 1

- Support For:
  - Refreshes current CDBI the most
  - Refocuses CDBIs on plant modifications
  - Allows more robust engineering program inspection
  - Reduces overlap and redundancy between the CDBI (71111.21M) and the Mods/50.59 (71111.17T) inspections
- Challenges:
  - Change management
  - Not piloted

## OPTION NO. 2

- Support For:
  - Concept tested and verified through pilot inspections
  - Easier change management
  - More gradual change
- Challenges:
  - Availability of high risk components not already inspected
  - Reduced NRC inspection resources for engineering program inspection

# SUMMARY

- NRC believes in the importance of the CDBI inspection in the ROP baseline inspection tool bag
- NRC recognizes the need for evolving the CDBI inspection program to maintain its effectiveness
- NRC is willing to examine unnecessary regulatory burden

# WHAT'S NEXT

- Regions are currently evaluating NRR/DIRS options Nos. 1 and 2
- Regional feedback on proposed options due to NRR/DIRS by 09/30/2016
- Revised IPs for implementing option No. 1 is currently out for regional comments

# What Questions Can We Answer?