



**U.S.NRC**

UNITED STATES NUCLEAR REGULATORY COMMISSION

*Protecting People and the Environment*

# **New Reactor**

Construction Safety Focus

May 13, 2008



# Presentation Topics

- Program Nomenclature
- Proposed Inspection Mechanics
- Milestones for Evaluation Development
- Safety Culture Initiatives within the NRC
- Stakeholder Input



# Nomenclature

- Assessing Construction Safety Focus during new reactor construction allows for early identification and correction of issues.



# Nomenclature (cont'd)

- Proposed terminology is:



- Construction Safety Focus Components (CSFC)
  - Will develop examples of potential performance problems that are related to the component
- Construction Safety Focus Issue (CSFI)
  - Will develop assessment criteria for a CSFI



## Nomenclature (Cont'd)

- Status of IMC 0305, lessons learned from Palo Verde IP95003 and 18 month assessment:
  - Formal roll out of proposed changes identified to date at public meeting on May 14, 2008
  - NRO and Safety Culture Task Group will assess the proposed changes for applicability to new reactor construction



# Proposed Mechanics

- It all begins with an NRC Identified finding
  - Inspector reviews the finding to determine if it has an CSFC associated with it as a significant contributor to the performance deficiency.
  - If Multiple (TBD) findings have similar contributors, then an inspection will be performed to validate the trend.
  - If trend is validated, the result is the same impact as SL-III finding.



# Major Milestones

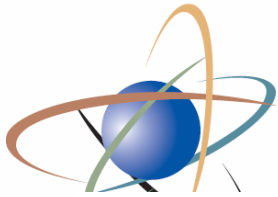
<b>Activity</b>	<b>Start</b>	<b>End</b>
Develop and Coordinate NRC Inter-Office Task Group	02/20/08	09/15/09
Develop Initial Perspective on the need for Safety Focus evaluations during new reactor construction compared with existing Safety Culture elements in the ROP	03/08/08	04/03/08 (complete)
Solicit Stakeholder Input as Products become available (posted on NRC's Safety Culture Public Website)	04/03/08	Ongoing
Develop Construction Safety Focus Component Definitions and Examples (based on the ROP safety culture components as amended)	04/03/08	07/30/08
Public Briefing to obtain input on Component Definitions and Examples	07/10/08	07/10/08



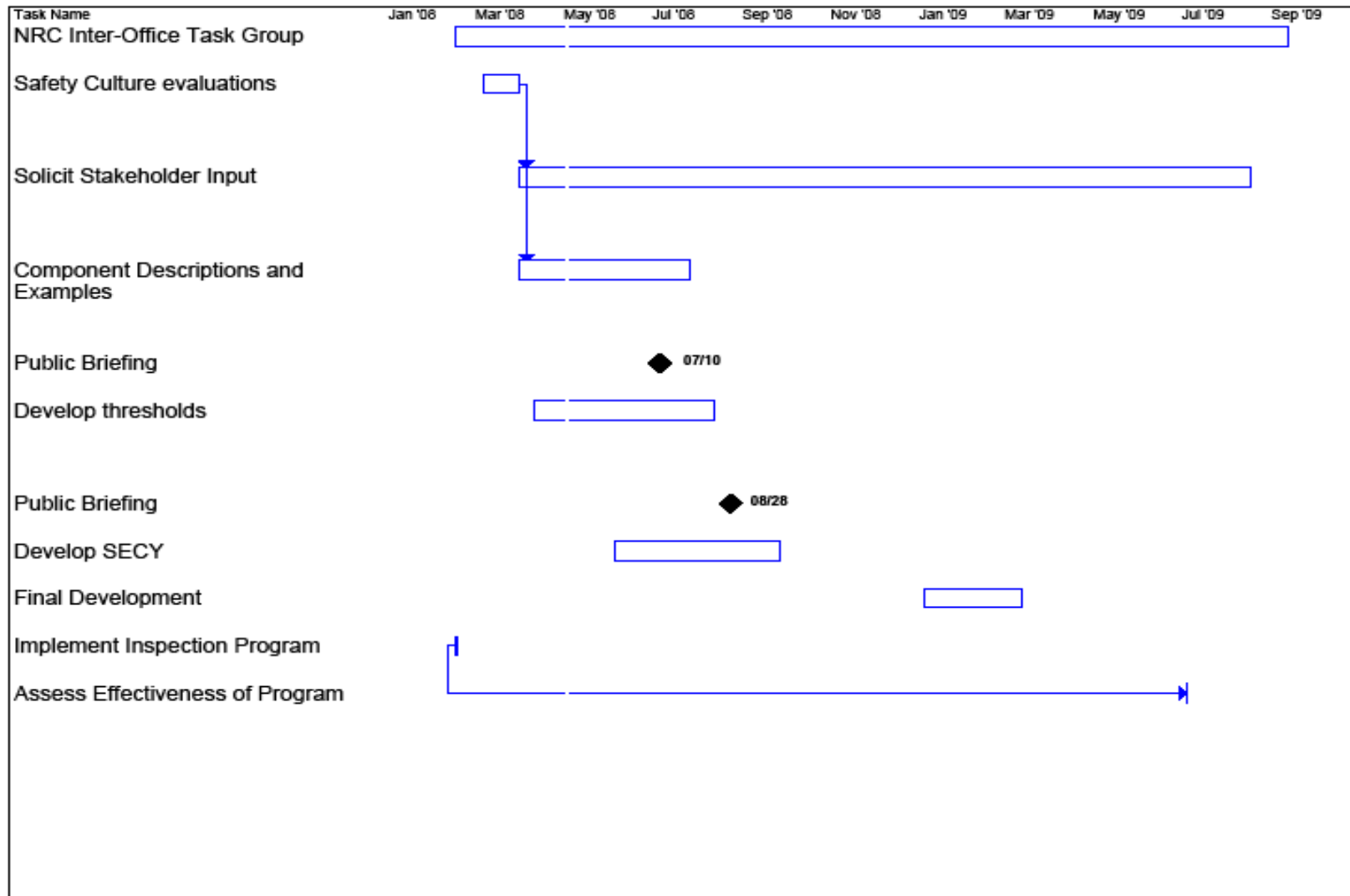
# Major Milestones (cont'd)

<b>Activity</b>	<b>Start</b>	<b>End</b>
Develop thresholds for significant issues and triggers for increased regulatory response	04/14/08	08/15/08
Public Briefing to obtain input on thresholds and triggers	08/28/08	08/28/08
Develop Formal Communication Tool (SECY)	06/09/08	09/30/08
Final Development of Manual Chapters and Inspection Procedures	01/08/09	03/15/09
Implement Inspection Program	TBD	TBD
Assess Effectiveness of Inspection Program (~18 months subject to conditions)	TBD	TBD





# Major Milestones





# NRC Safety Culture Initiatives

- ROP Safety Culture enhancements (IMCs 0305, 0612, IPs71152, 95001,2,3 revisions)
- Safety Culture Working Group assisting program offices in development activities
- Formation of inter-office Safety Culture Policy Statement Task Group
  - The staff should continue its broad review of issues related to safety culture as part of the effort for developing the oversight process (STAFF REQUIREMENTS – COMGBJ-08-0001, ML080560476)
- Enhanced Web site: [NRC: Safety Culture](http://www.nrc.gov/about-nrc/regulatory/enforcement/safety-culture.html)  
(<http://www.nrc.gov/about-nrc/regulatory/enforcement/safety-culture.html>)



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**Input/Feedback/Questions**