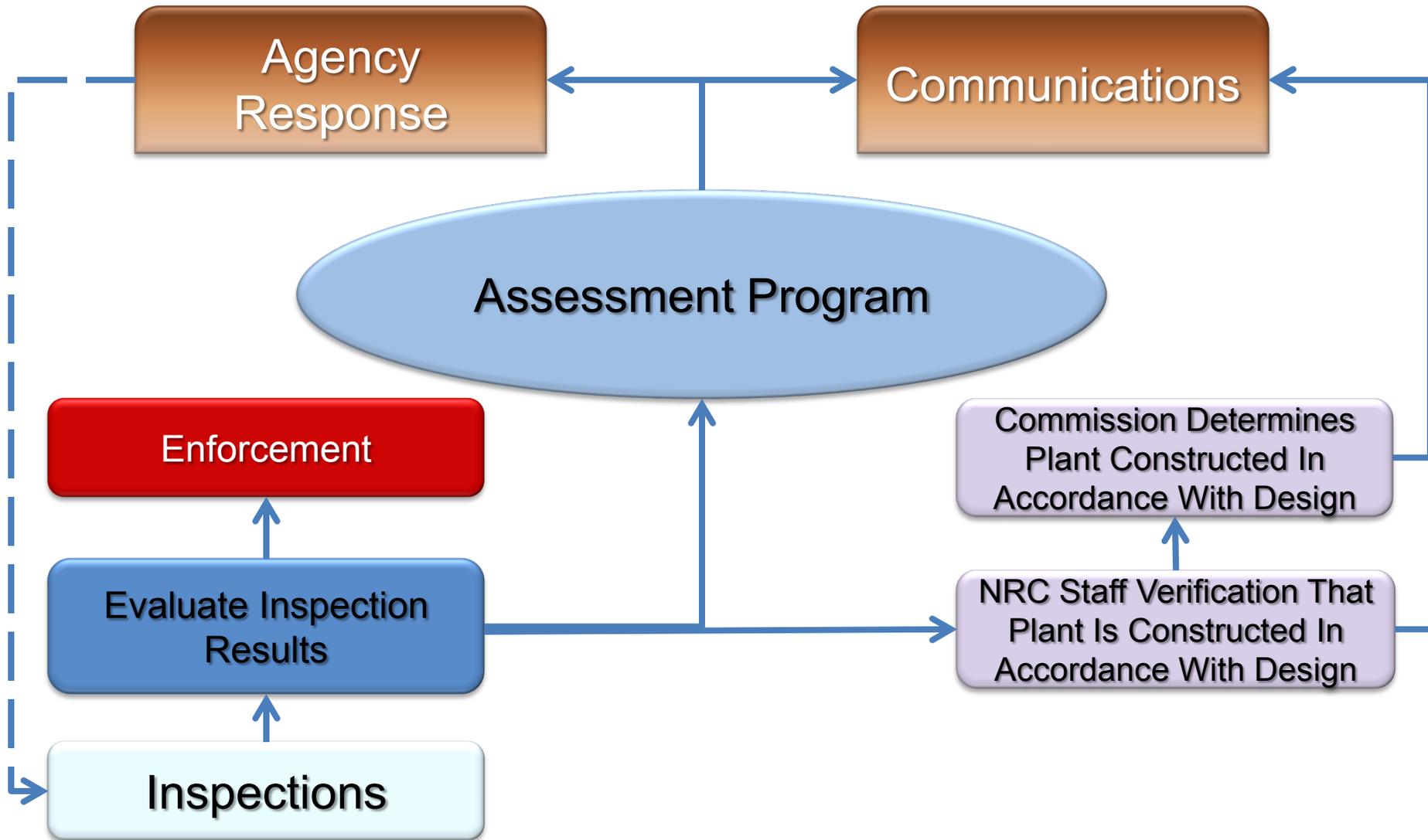


# NRC Oversight of New Reactor Construction

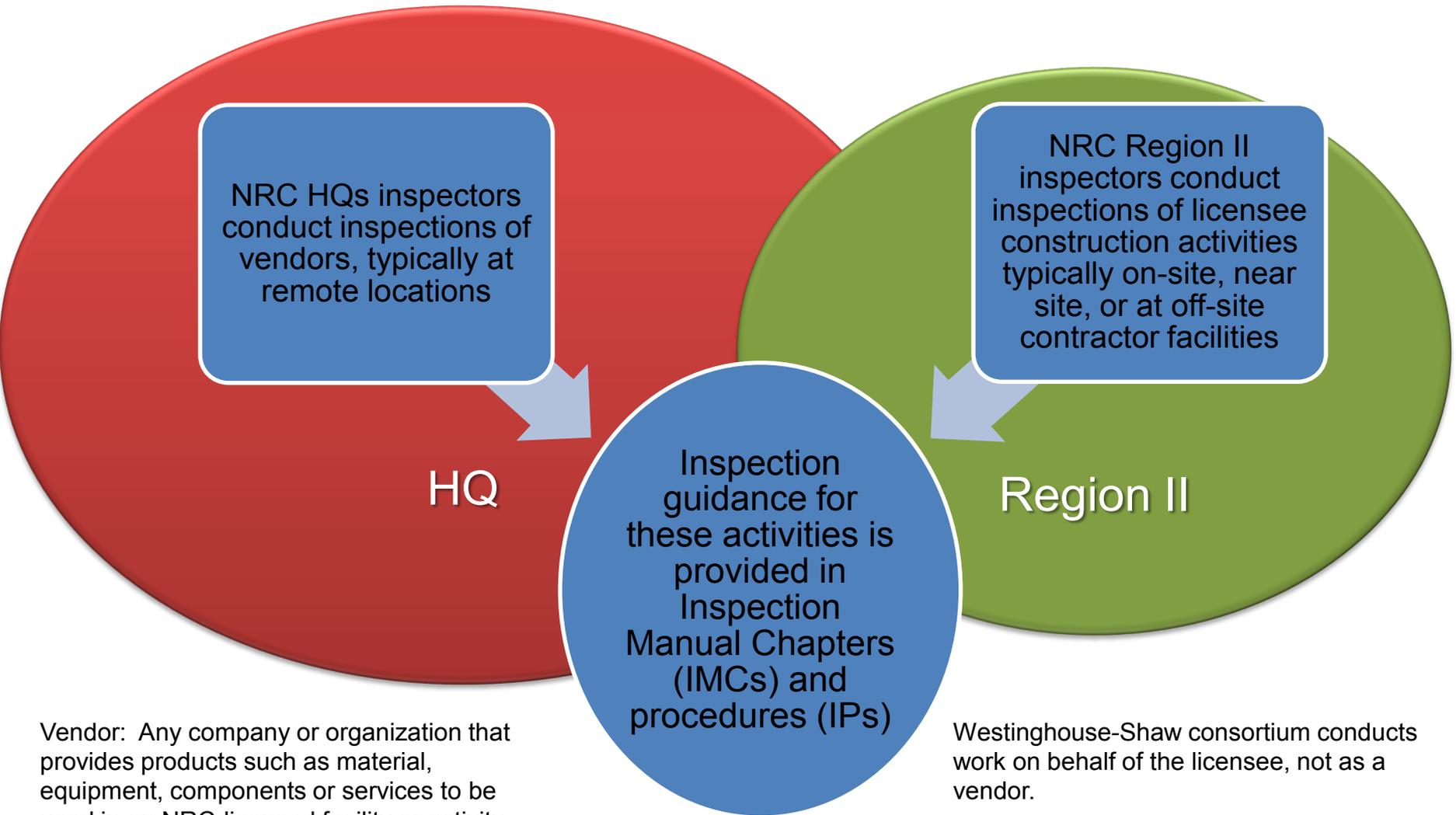
# Today's Topics

- Construction Reactor Oversight Process Overview
- Status of Construction Oversight Process
- Initial Lessons-Learned
- Next Steps
- Public Feedback

# Construction Reactor Oversight Process Overview



# Conducting Inspections

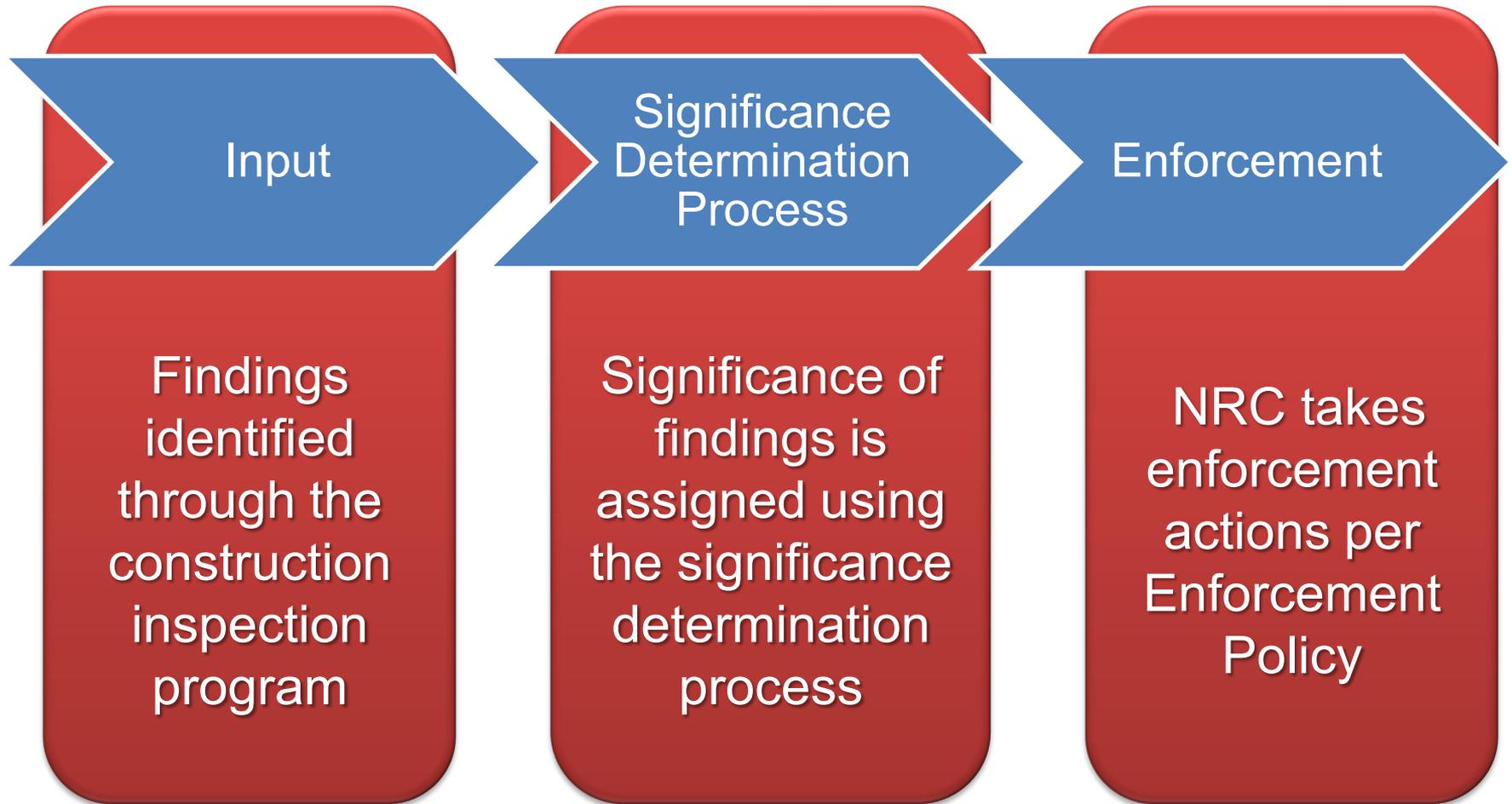


Vendor: Any company or organization that provides products such as material, equipment, components or services to be used in an NRC-licensed facility or activity.

Westinghouse-Shaw consortium conducts work on behalf of the licensee, not as a vendor.



# Enforcement



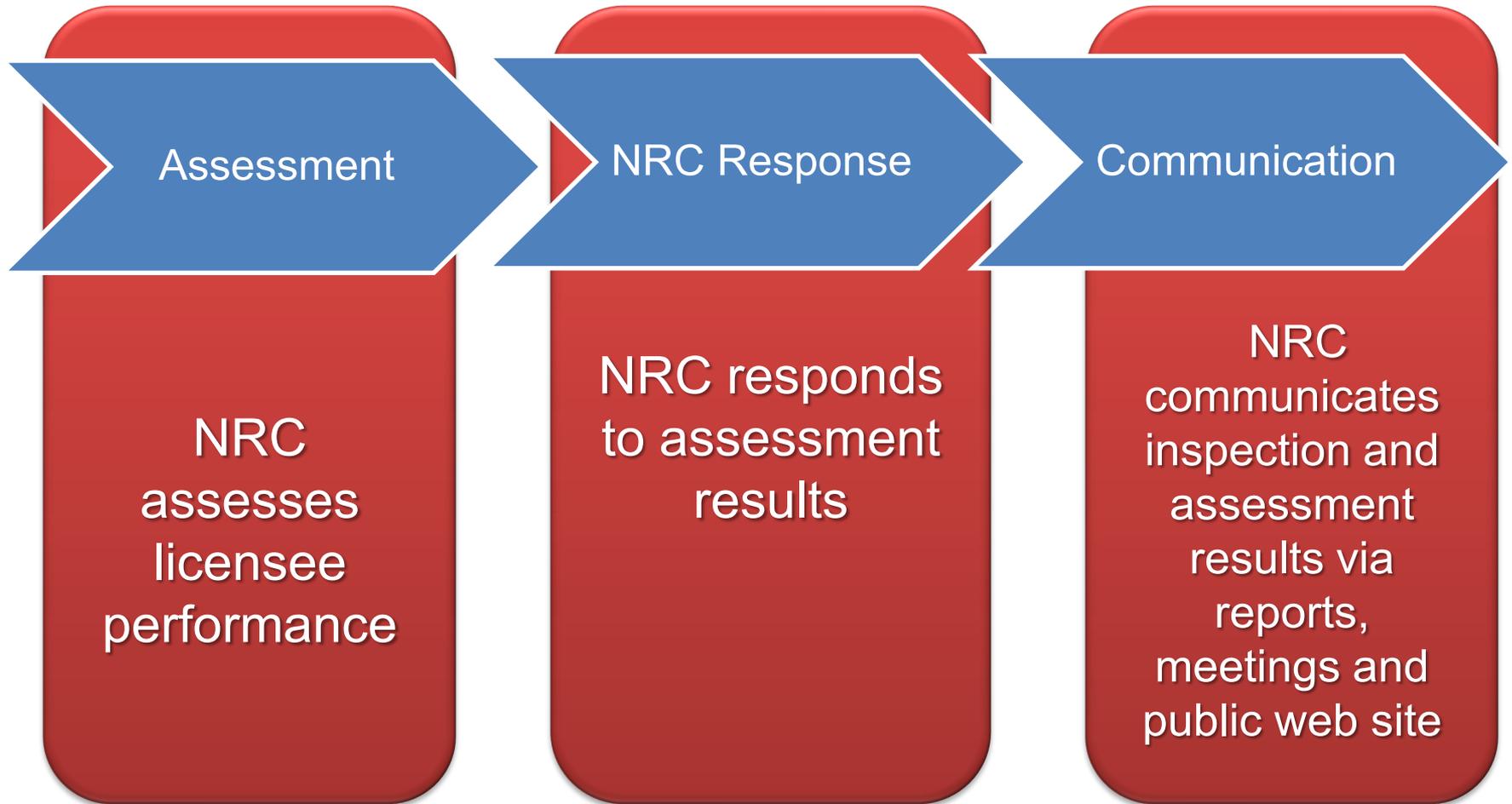


# Enforcement Program

- Construction Significance Determination Process used to determine finding significance
- Findings assigned a color of green, white, yellow or red
- Results used as input to construction action matrix
- Severity levels assigned to certain violations
  - Willful violations
  - Violations for failure to make required reports
  - Violations that result in actual consequences such as an overexposure



# Assessment





# Assessment Program

- The IMC 2505 Construction Assessment Program was formally implemented at Vogtle Units 3 and 4 on July 1, 2010
- Consists of continuous, quarterly, mid-cycle and end-of-cycle reviews
- Significance of findings is the primary input to determine NRC response
- NRC response to findings is described in program guidance documents

## Verification that Plant is Constructed In Accordance With the Approved Design

- Licensee submits a notification to the NRC stating that design requirements have been met
- There are approximately 875 design requirements for which the licensee is required to submit closure notifications
- NRC staff reviews each closure notification and verifies that the applicable design requirements have been met
- Once all closure notifications have been verified, the staff notifies the Commission
- If the Commission agrees that all design requirements have been met, fuel load is authorized
- If someone believes that a design requirement has not been met, there is a hearing opportunity if prima facie evidence is provided

# Communications

- Detailed information available at NRC public website
- Demonstration of web pages content
  - <http://www.nrc.gov/>
  - <http://www.nrc.gov/reactors/new-reactors.html>
  - <http://www.nrc.gov/reactors/new-reactors/oversight.html>
  - <http://www.nrc.gov/reactors/new-reactors/oversight/crop.html>
  - <http://www.nrc.gov/reactors/new-reactors/oversight/crop/con-pilot.html>
  - <http://www.nrc.gov/reactors/new-reactors/oversight/crop/vog3/vog3-chart.pdf>
  - <http://www.nrc.gov/reactors/new-reactors/oversight/crop/sum2/sum2-chart.pdf>

# CY 2012 Construction Reactor Oversight Process Implementation

- Implemented new assessment and enforcement programs on a pilot basis at Vogtle and Summer in early 2012
- To date, issued 6 Vogtle and 2 Summer Inspection Reports
- All findings identified to date were of very low safety significance (green)
- Conducted 1<sup>st</sup> quarter, mid-cycle, and 3<sup>rd</sup> quarter assessments for each unit
- In the process of evaluating the effectiveness of the construction reactor oversight process

# Initial Lessons-Learned

- New assessment and enforcement approach is sound
- Corrective action program effectiveness reviews
- Design control issues
- Finding documentation
- Use of cross-cutting aspects

# Next Steps

- Public meetings to solicit external stakeholder feedback being conducted near Summer on 1/8 and near Vogtle on 1/9
- Public meeting on 1/24 at NRC headquarters to evaluate pilot against success criteria
- Results reported to the Commission by end of April

# Public Feedback