

# RIC 2003

## Reactor Oversight Process, Session W5

### Past Insights and Future Challenges “The Significance Determination Process”

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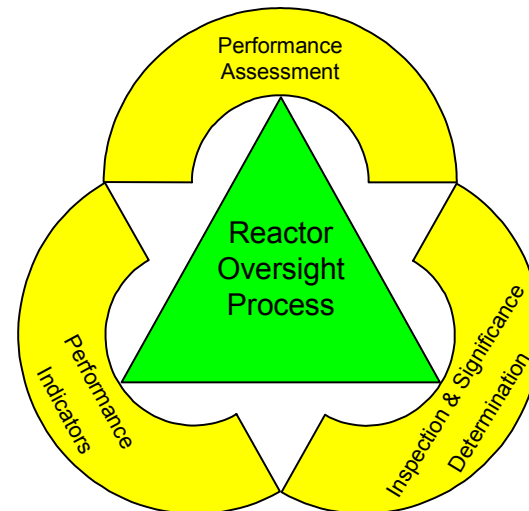
# United States Nuclear Regulatory Commission

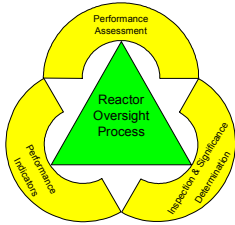
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## REACTOR OVERSIGHT PROCESS (ROP)

### Significance Determination Process

- Self-assessments
  - Conclusions
  - Recommendations





## ROP - Past Insights and Future Challenges

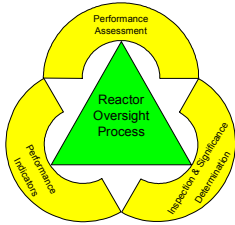
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### Significance Determination Process

#### Internal Self-Assessments

Two internal self-assessments were conducted in 2002:

- SDP Improvement Plan and Task Action Plan
  - Staff initiative
  - Report info (ADAMS Accession #ML020710792)
  
- SDP Task Group
  - Charter by the Executive Director for Operation
  - Address issues from a DPO Ad Hoc Panel Response and OIG Audit Report
  - Report info (ADAMS Accession #ML023470613)



## ROP - Past Insights and Future Challenges

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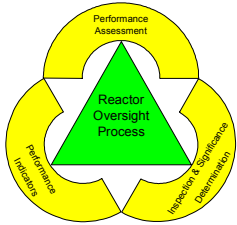
### Significance Determination Process

#### SDP Improvement Plan and Task Action Plan

Conclusion: The SDP continued to provide for an objective determination of the significance of performance issues to allow the agency to focus its regulatory actions on issues of greatest safety significance

#### Significant Findings

- ROP metrics and stakeholder feedback indicated the need to improve the efficiency of and consistency of Phase 2 SDP implementation
- Several SDP performance metrics were not met:
  - Timeliness
  - Accuracy of SDP Notebooks
  - Accuracy of Results Communicated to the Public



## ROP - Past Insights and Future Challenges

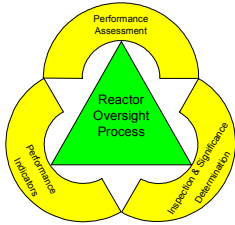
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### Significance Determination Process

#### SDP Task Group

##### Significant Conclusions

- SDP was successful in meeting the ROP and SDP objectives
- SDP should facilitate inspector involvement beyond the initial screening, Phase 1
- SDP should be enhanced to address the current problems with Phase 2
- Current SDP timeliness goals are reasonable, but additional management oversight of findings is warranted
- SDP response has been appropriate without the use of “Other Inputs”



# ROP - Past Insights and Future Challenges

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## Significance Determination Process

### SDP Task Group

#### Significant Recommendations

- Complete the benchmarking of the remaining Phase 2 SDP notebooks
- Develop plant-specific Enhanced Pre-Solved Phase 2 SDP Tables
- Perform a systematic assessment of risk training
- Develop guidance for use of other risk-informed principles for significant uncertainties
- Develop better guidance for staff's response to substantive cross-cutting issues
- Review Action Matrix annually to assess the criteria used to transition between columns