

# Conservative Operating

## Philosophy

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# Why are we talking about Operating Philosophy?

- INOP Event Report 11-3 (issued 6/15/11) Weaknesses in Operator Fundamentals
- Numerous Industry events that Challenged Plant Safety (Robinson, Pilgrim, Millstone, Palisades, Prairie Island, ANO)
- NRC Upper Management has been looking for ways to enhance our inspection activities to improve “Operator Performance”

# What are some of the attributes of a Conservative Operating Philosophy?

- Strong Nuclear Safety Culture
- Conservative Decision-Making
- Consistent Use of Human Performance Tools
- High Quality Training and Qualifications

# Strong Nuclear Safety Culture

- Each individual thinks that they are personally responsible for protecting himself, his co-workers and the public from the radiological consequences of an accident.
- Strong Questioning Attitude Among Workers
- Consistent Use of Human Performance Tools
- Strong commitment to Qualification and Re-  
Qualification Training

# Conservative Decision-Making

- Decisions are based on conservative assumptions and actions display behaviors that reflect safety as an overriding priority.
- Involvement of Top Managers
- Consistency of Message
- Frequency of Message

Executives  $\Rightarrow$  SVP  $\Rightarrow$  Plant Manager  $\Rightarrow$  Dept Managers  
 $\Rightarrow$  Shift Manager  $\Rightarrow$  Ops Supervisors  $\Rightarrow$  Reactor  
Operators  $\Rightarrow$  Non-Licensed Operators

# Consistent Use of Human Performance Tools

- STAR
- Self Check
- Peer Check
- Independent or Concurrent Verification
- Procedural Usage and Adherence
- Three Way Communication

# High Quality Training and Qualifications

- Establish High Expectations
- Operating Departments Establish Training Priorities
- Training Departments Provide High Quality Instruction
- Training Departments Establish and Maintain High Quality Course Content
- Training Departments Establish High Quality Testing and Evaluation Standards

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- Questions?
  - Comments?