



# Point Beach Nuclear Plant

Confirmatory Action Letter Public Meeting



August 25, 2005

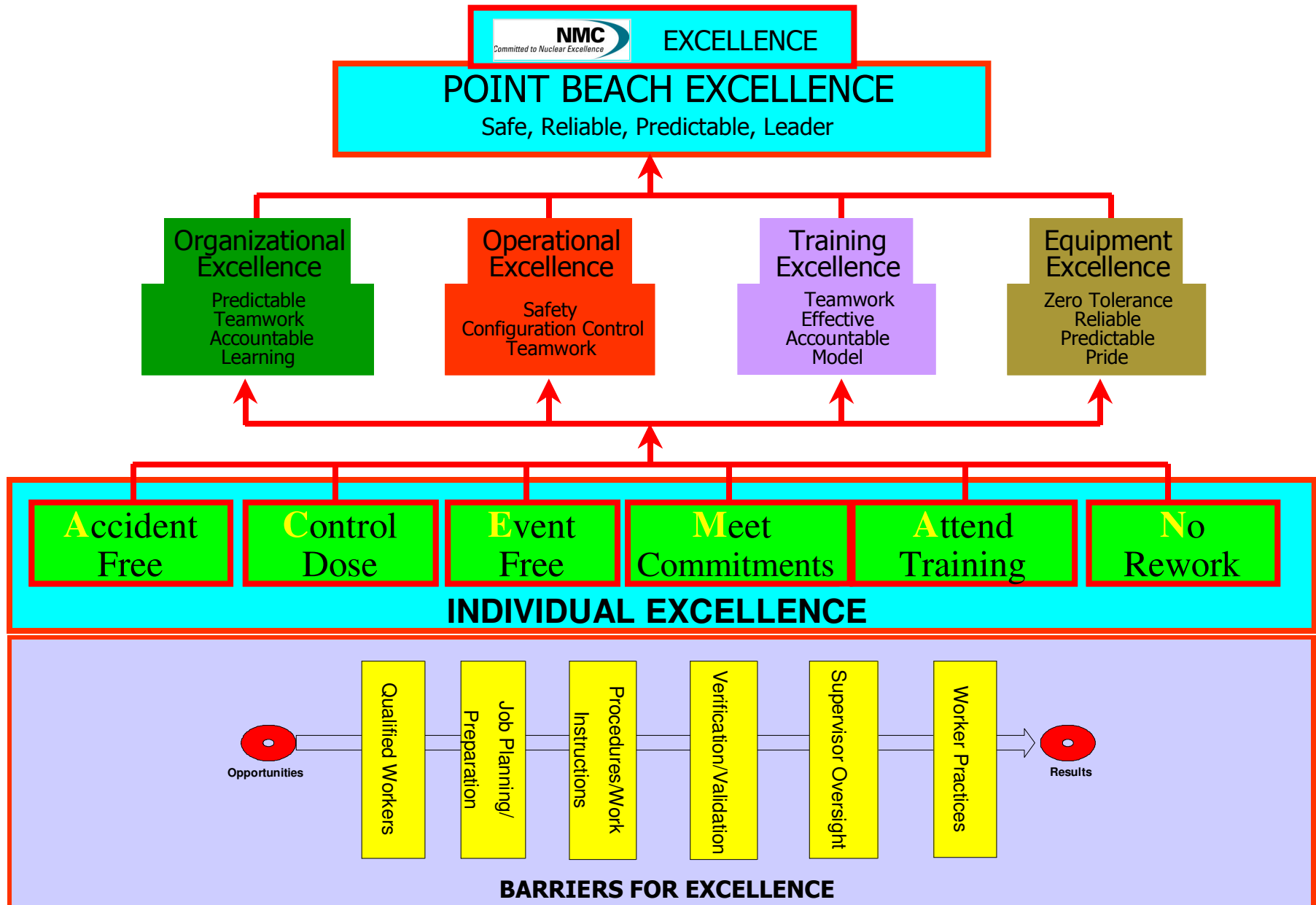


## *Agenda*

Describe current learning opportunities, actions taken and sustainability of results achieved within the Corrective Action and Engineering Organizational Effectiveness areas.

Describe remaining challenges.

# Picture of Excellence





## ***Corrective Action Program (CAP): Current Learning Opportunities***

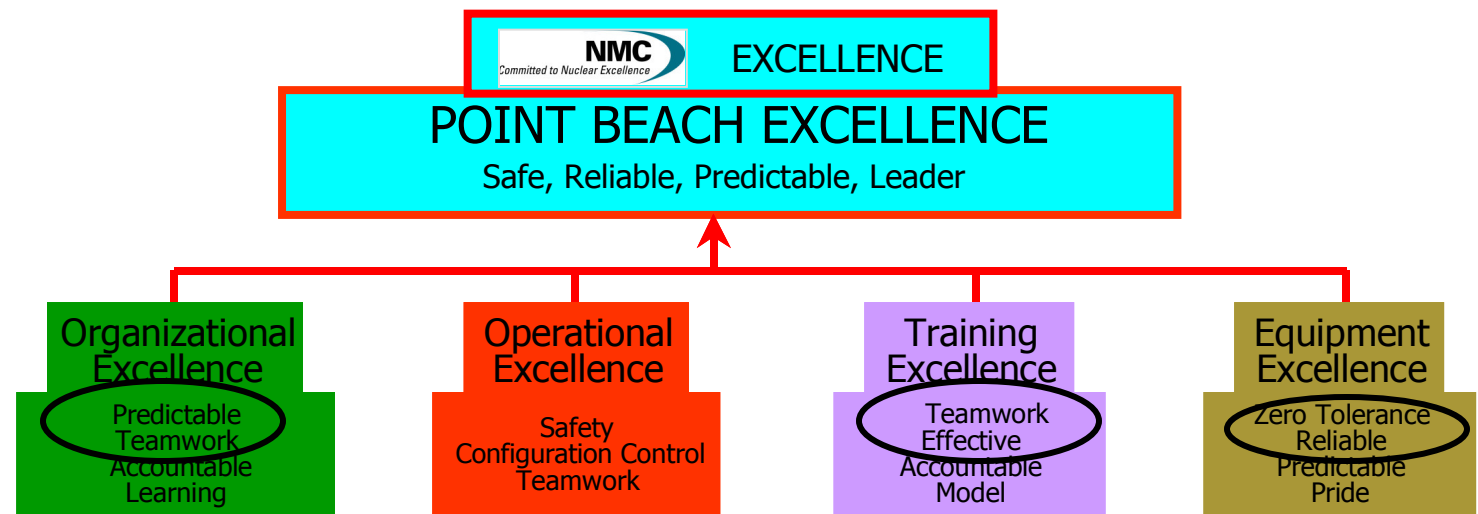
- Improve the rigor of documentation.
- Coaching and feedback on CAP.
- Realize low-level trending opportunities.



# ***Corrective Action Program (CAP): CAP OWNER PROCESS***

**Action ► Results ► Sustainability**

- Drives in-process and pre-closure check of response to conditions adverse to quality.
- Individual actions and due dates are properly scoped, prioritized and executed.





## ***Corrective Action Program (CAP): CAP OWNER PROCESS***

### **Action ► Results ► Sustainability**

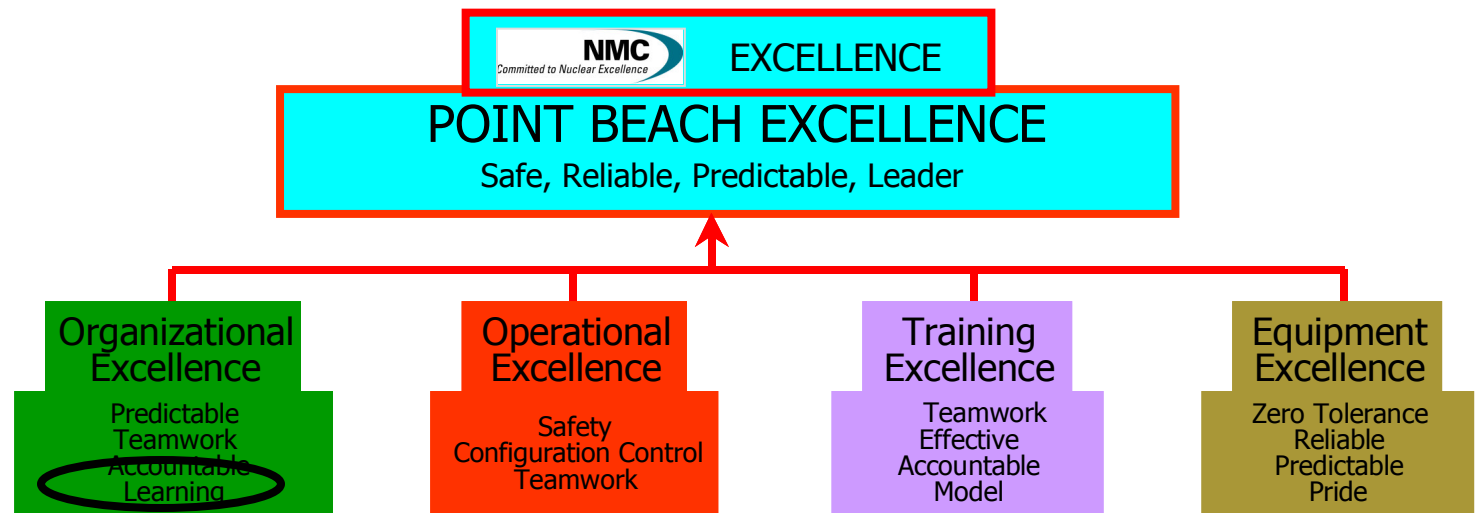
- Returns provide opportunity for coaching and feedback.
- Periodically reviewed by the CAP Coach process.



# ***Corrective Action Program (CAP): CAP COACH PROCESS***

**Action ► Results ► Sustainability**

- Drives periodic assessment of significant process steps within the station corrective action program.





## ***Corrective Action Program (CAP): CAP COACH PROCESS***

### **Action ► Results ► Sustainability**

- Managers/Supervisors showing ownership and accepting roles as CAP Screening Coaches.
- Enhanced focus being applied and trended.
- Causal analysis utilization improvement.

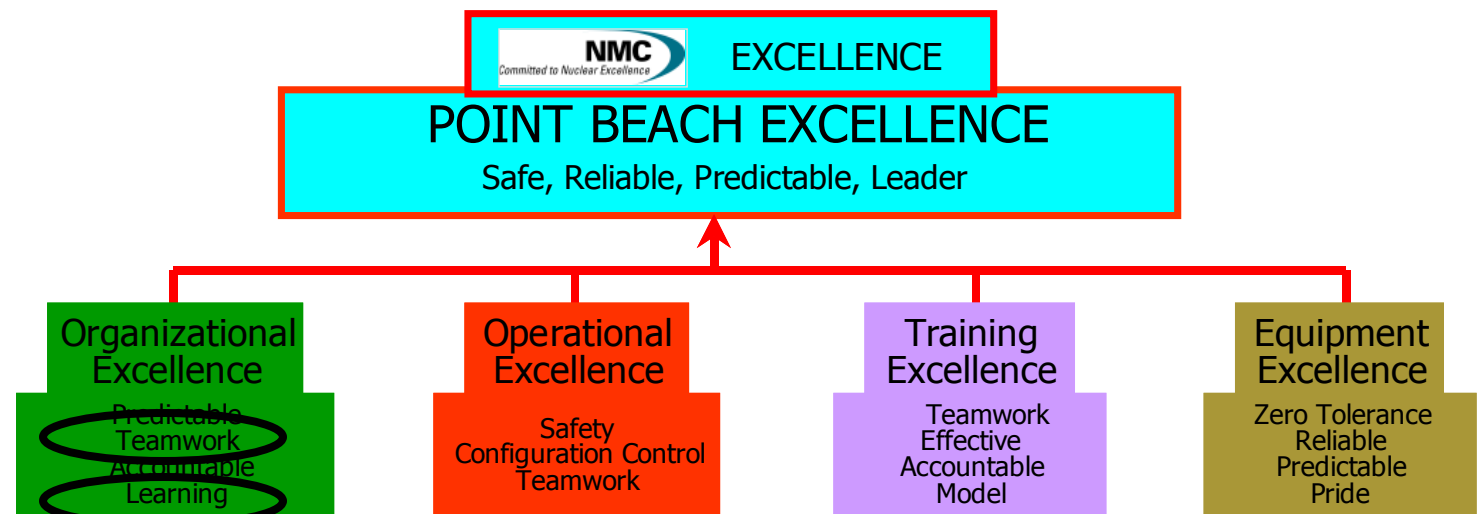




# ***Corrective Action Program (CAP): DEPARTMENT ROLL UP MEETING (DRUM) REPORT***

**Action ► Results ► Sustainability**

- Prompts recurring assessment to evaluate implementation effectiveness and responds to identified adverse departmental trends.





## ***Corrective Action Program (CAP): DRUM REPORT***

### **Action ► Results ► Sustainability**

- DRUM was not forward looking.
- DRUM process assisted NOS and Operations to identify an adverse trend in status control issues.
- Operations responded with enhanced briefings and oversight of danger tagging and system restorations.
- Heightened awareness and continued DRUM review will occur.



## ***Corrective Action Program (CAP)*** ***Remaining Challenges:***

- Current levels of CAP initiation, backlog and quality of completion demonstrate the right station behaviors and attentiveness to conditions adverse to quality.
- Continued utilization of CAP Owner, CAP Coach and DRUM process steps ensures high standards are achieved and maintained.
- PARB oversight of CAP continues.



## ***Engineering Organization: Current Learning Opportunities***

- Recent Unit 2 Reactor Vessel Head (RVH) drop licensing efforts provided numerous learning opportunities.
- Recognized a need to confirm understanding of critical communication points before proceeding.



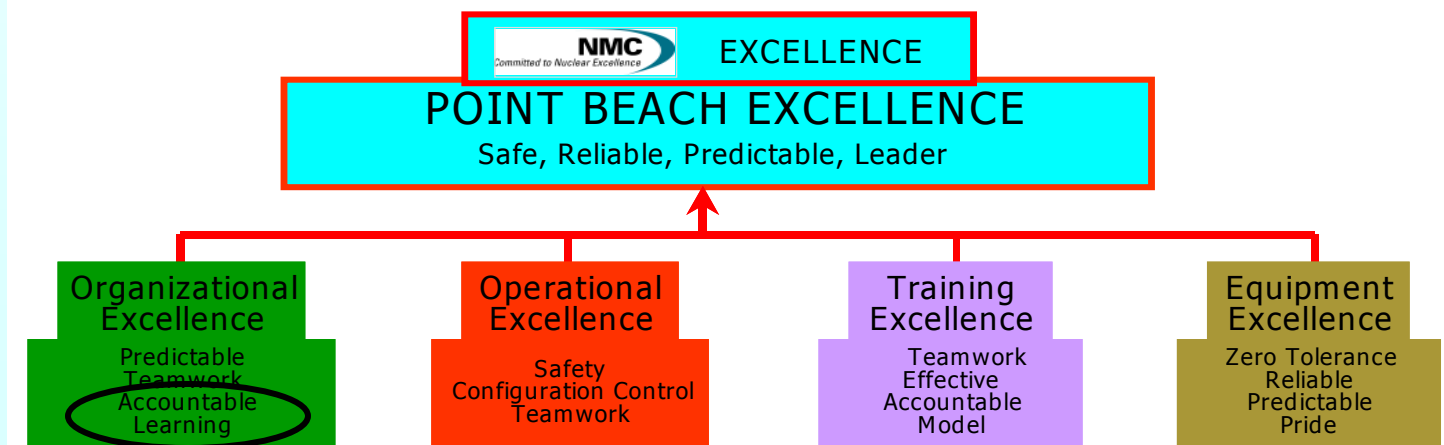
## ***Engineering Organization: Current Learning Opportunities***

- “Problem Statement Development Sheet (PSDS) Logic” is being internally applied to include both internal and external issue resolution.
- Nuclear Oversight (NOS) communication has been enhanced through the use of the PSDS process.
- PSDS focuses on the safety significance of the stated problems.



## ***Engineering Organization: Auxiliary Feed Water***

- Initial responses utilized a previous evaluation without re-evaluating its rigor.
- PBNP is applying “PSDS logic” to the station response.





## ***Engineering Organization: Auxiliary Feed Water***

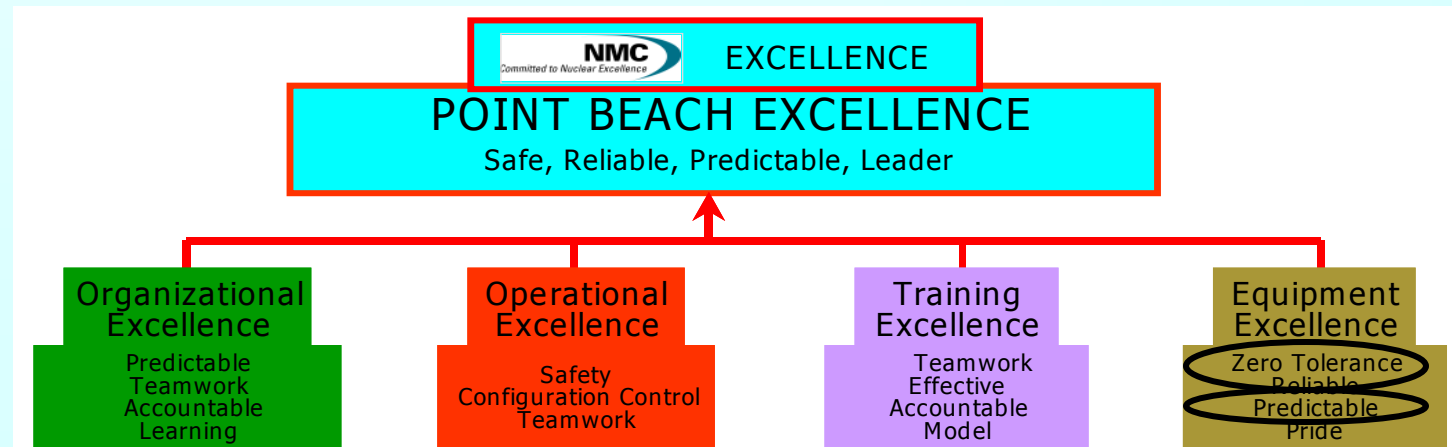
- Recently completed Operability and Engineering Evaluations did not initially demonstrate the proper depth and rigor.
- Documentation of logic and bases for conclusions needs enhancement.



# ***Engineering Organization: Bolted Fault Calculation Project***

## **Action ► Results ► Sustainability**

- PBNP is rigorously improving our electrical distribution system.
- A long-standing and previously unknown issue regarding the operability of safety injection pumps was self-identified.







# ***Engineering Organization: Bolted Fault Calculation Project***

## **Action ► Results ► Sustainability**

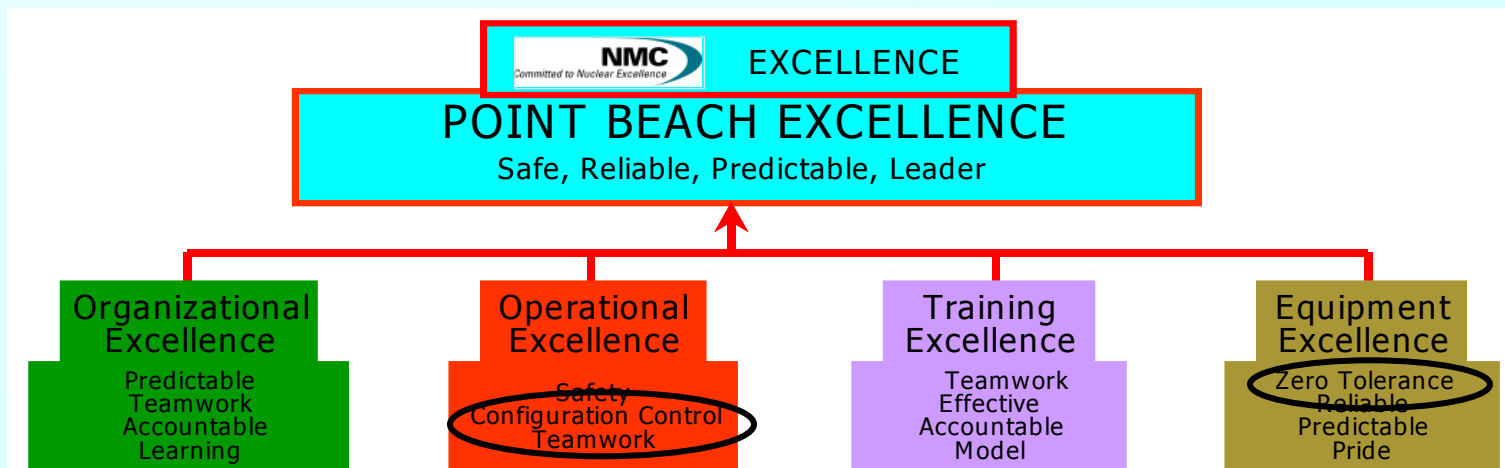
- Entries into Technical Specification Action Condition entered and timely notification occurred.
- Resulting maintenance actions returned the equipment to service safely and reliably.
- All other safety related motors have been evaluated and fleet operating experience has been shared.



# ***Engineering Organization: Operational Focus***

**Action ► Results ► Sustainability**

- Operator Burdens are being reduced.
- Operational Decision Making Index (ODMI) Process is being effectively implemented.





## ***Engineering Organization: Operational Focus***

### **Action ► Results ► Sustainability**

- A long-standing Operator Burden to provide control room indication for Auxiliary Feed Pump Discharge valve position indication was recently completed.
- The number of outstanding Operator Burdens has been reduced by approximately 50%.



# ***Engineering Organization: Operational Decision Making***

## **Action ► Results ► Sustainability**

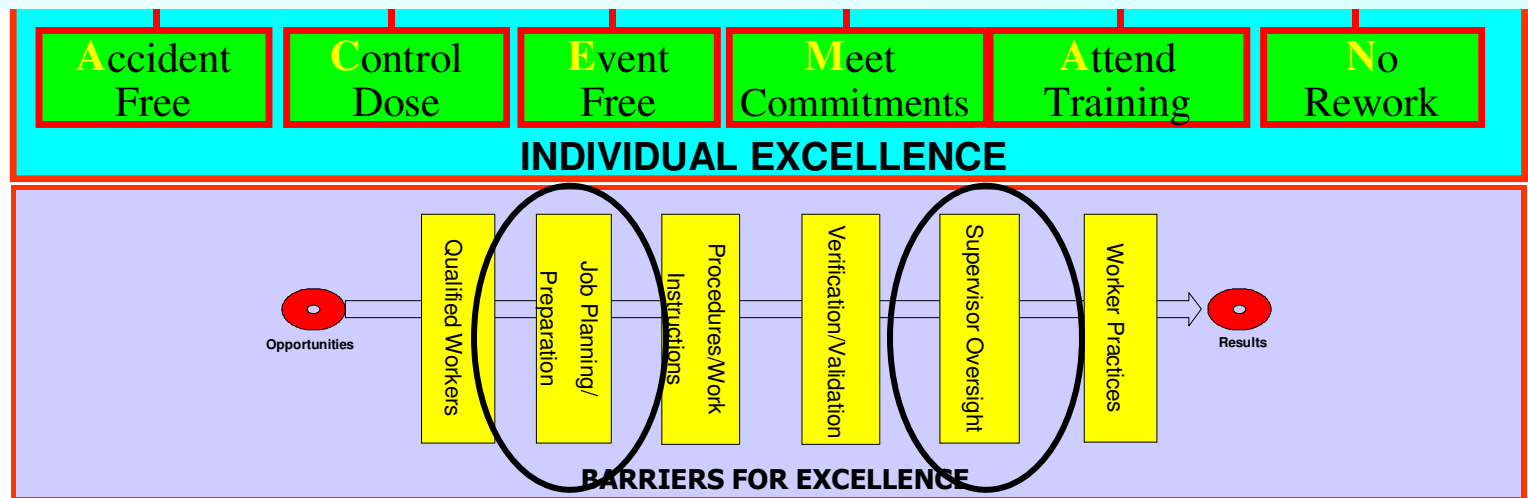
- A recent example of not diversifying the ODMI team during G-05 issue resolution was self-identified and corrected.
- This process drives a lessons-learned review to capture and apply learnings in future use.



# *Engineering Organization: Operational Focus*

**Action ► Results ► Sustainability**

- The station conducts pre-job briefings and considers Operability Determinations a medium or high-risk evolution.





## ***Engineering Organization: Operational Focus***

### **Action ► Results ► Sustainability**

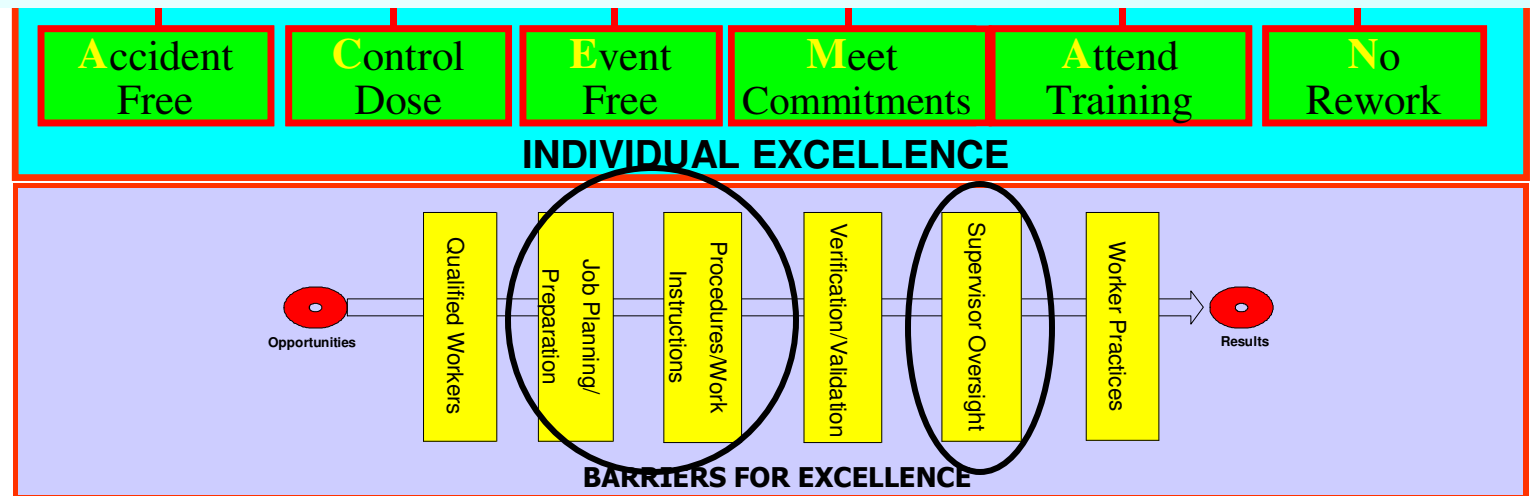
- The timely completion and improved rigor of Operability Determinations has been noted.
- Engineering staff have expressed the demonstrated value of this added effort.



# ***Engineering Organization: Configuration Management***

**Action ► Results ► Sustainability**

- Station-vendor interface has been enhanced during the ongoing Calculation Review & Reconstitution (CRR) process.





# ***Engineering Organization: Configuration Management***

## **Action ► Results ► Sustainability**

- Pre-work briefings and interactive progress reviews result in higher quality final products with a reduction in rework percentages.
- Quality and predictability has improved.
- Fleet is evaluating as a best-practice.





# ***Engineering Organization: Equipment Reliability***

**Action ► Results ► Sustainability**

- Reliability of station equipment is being enhanced and sustained.





# ***Engineering Organization: Equipment Reliability***

## **Action ► Results ► Sustainability**

- The number of systems in Maintenance Rule (a)(1) status has been reduced by approximately 50%.
- One new Maintenance rule (a)(1) system (Structures) has been added.
- One IST program equipment component on an increased testing frequency.
- Plant Health Committee monitors performance.



## ***Organizational Effectiveness:***

- ✓ Engineering Organization and Corrective Action Programs are improving with learning opportunities being realized and sustainable progress being achieved.
- ✓ Improved behaviors and sustainable improvements are being realized at Point Beach.
- ✓ Areas of Emergency Preparedness, Human Performance and Engineering / Operations Interface have demonstrated improved performance and continue to self-check, enhance and improve.



## ***Closing Comments:***

Dennis Koehl – Site Vice President