

ATTACHMENT Q  
RCE REPORT TEMPLATE

**Root Cause Evaluation Charter**

**CAP# 55538,**

**Potential Loss of Vent Path During Nozzle Dam Installation,**

**RCE# 254**

**Issue Manager/Sponsor:**

Pat Russell - Manager Performance Assessment

**Problem Statement:**

A significant near miss occurred during the steam generator nozzle dam installation sequence. Specifically, workers were allowed to proceed with the installation of hot leg nozzle dams prior to completion of removal of the pressurizer manway. This was contrary to the established outage schedule. (Removal of the pressurizer manway is required to provide a Hot Leg vent path during reduced inventory operations.) The issue was identified in Point Beach CAP055538.

**Investigation Scope:**

An Incident Response Team (IRT), composed of NMC staff, will perform a prompt investigation of issues associated with the event. They will provide a summary report to site management and the RCE team. Additionally, they will provide recommended corrective actions to site management for safe continuation of the outage.

The RCE investigation scope will include Organizational and/or Programmatic issues as well as human performance issues leading up to this event.

The RCE team will make recommendations for:

- Correcting the problem
- Preventing recurrence of the problem
- Applicability of the root cause to other areas (extent of condition)

**Investigation Methodology:**

The RCE team will perform document reviews and consolidate identified examples into failure modes/problem statements. Interviews may be used to gain additional understanding or validate identified problems. Investigations methodologies will include Event and Causal Factor Charting and Failure Mode Analysis.

The following sources of information have been identified for the document review phase:

- Interview notes
- Procedures and work instructions
- NUREG 1449/GL 88-17
- INPO SOER 88-03

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- Outage schedule
- Training lesson plans

**Incident Response Team Members:**

Team Lead	Paul Harden	Palisades Site Director
Team Member	Dave Geisen	KNPP NOS Manager
Team Member	Tom Taylor	PINGP Assessment Manager
Team Member	Aldo Capristo	NMC ECP Fleet Manager
Team Member	Joe Maurer	PINGP Outage Manager
Team Member	Kari Den Herder	PINGP Engineer (Nozzle Dam SME)
Team Member	Craig Chovan	NMC Fleet Outage Director

**RCE Team Members:**

This will be a team RCE utilizing Point Beach Personnel and NMC personnel.

Team Leader	Dennis Hettick	Point Beach Assessment
Team Member	Jim Holmes (Part Time)	Point Beach Training
Team Member	Chuck Smoker (Part Time)	Hudson Assessment

**Milestones:**

Date Assigned	Date 4/12/2004
IRT Update Sr. Management	Date 4/13/2004 (complete)
Status Update CARB or Screen Team	Date 4/22/2004
Draft Report	Date 5/06/2004
Final Report	Date 5/13/2004

**Communications Plan:**

Initial communication to the station – *Broadcast voicemail and stand-downs (complete)*  
IRT debrief to NRC – *4/13/2004 (complete)*  
Communication to INPO – *OE submittal*  
Follow up to the station – *Leadership Meeting (Date TBD)*

Approved:  Date: 4-29-4  
*Management Sponsor*

Reviewed by: Screen Team CARB on 4-29-4  
(circle one) Date