
Westinghouse Electric Company Columbia Fuel Fabrication Facility

Licensee Performance Review

April 28, 2009

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Agenda

- Management Commitment to Safety
- W Perspective on Safety Performance
Performance Areas
- Summary

Commitment to Safety

Leadership remains committed to improving safety performance:

Safety is imperative to drive our business forward

Resources and oversight ensure the safety and security of our employees, the public, and the environment

Management acknowledges issues identified by the NRC and accepts the overall LPR results

W Perspective on Safety Performance

W concurs with NRC perspectives

Safety Operations

Severity level III violation for a 2006 event during which an employee willfully failed to follow procedure

- ★ W Human Performance (HuP) effort since then has greatly enhanced compliance in operational activities
- ★ W recognizes that procedure use and adherence is a key element of our safety basis and is constantly working to reinforce/enhance this critical behavior

W Perspective on Safety Performance

- Severity level III violation for loss of two containers of UF₆ samples in February 2008
 - ✦ W recognized the serious nature of this event
 - ✦ Prompt and extensive measures were taken to address the event and prevent recurrence of this or similar events
 - ✦ Process, procedure, and oversight changes have been completed

W Perspective on Safety Performance

- Safety level IV violations – two identified
 - ★ First area involved issues with maintenance contractor employees (2007 events)
 - Staff level manager appointed in maintenance to ensure contractors are provided the same continuous improvement opportunities as our W employees (e.g. HuP, training, safety)

W Perspective on Safety Performance

- ★ Second area deals with latent errors involving knowledge workers in our operation
 - Knowledge worker HuP Tools:
 - » Validate Assumptions
 - » Problem Solving
 - » Signature
 - » Decision Making
 - Manager training is complete, professionals training will be complete CY 2009

W Perspective on Safety Performance

W evaluation of common or contributing causes of the violations

Procedural Inadequacy - this was a contributing factor and improvement will be driven by knowledge worker HuP tools and our *Critical Steps Initiative* which includes:

- ★ What steps are irreversible
- ★ What steps prior to the irreversible steps MUST GO RIGHT
- ★ Identify Barriers
- ★ Implement Barriers

W Perspective on Safety Performance

Procedural usage – is being proactively coached by the management team through the observation program

- ★ Observations create an interaction between managers and operators to positively reinforce desired behaviors
- ★ WEC is updating procedures to a Standard Work format to make following and understanding easier

Training and knowledge management – contributed as stated in relation to knowledge worker “assumptions” and contractor training

Performance Area Reviews

Radiological Controls

Outstanding performance in minimizing employee exposures, environmental protection, waste management and transportation

Collective dose reduced by 16% in CY 2008 which followed a 18% reduction in CY 2007

No individual exceeded WEC ALARA TEDE goal of 1.10 REM/yr during the LPR period

Performance Area Reviews

Environmental Management

- WAIT (Wildlife and Industry Together) Certification from SC Wildlife Federation, March 2009 for 5 year plan of promotion of wildlife habitat and wildlife education for employees and the community
- Completed installation and start-up of the new Sanitary Sludge Dewatering Process to reduce effluents
- No significant violations in waste management and transportation

Performance Area Reviews

Safeguards

- Good performance in material control and accountability
- Good performance in physical protection and information security

Special Topics

- Good performance in safety licensing
- Maintaining open communications with NRC

Performance Area Reviews

Facility Support

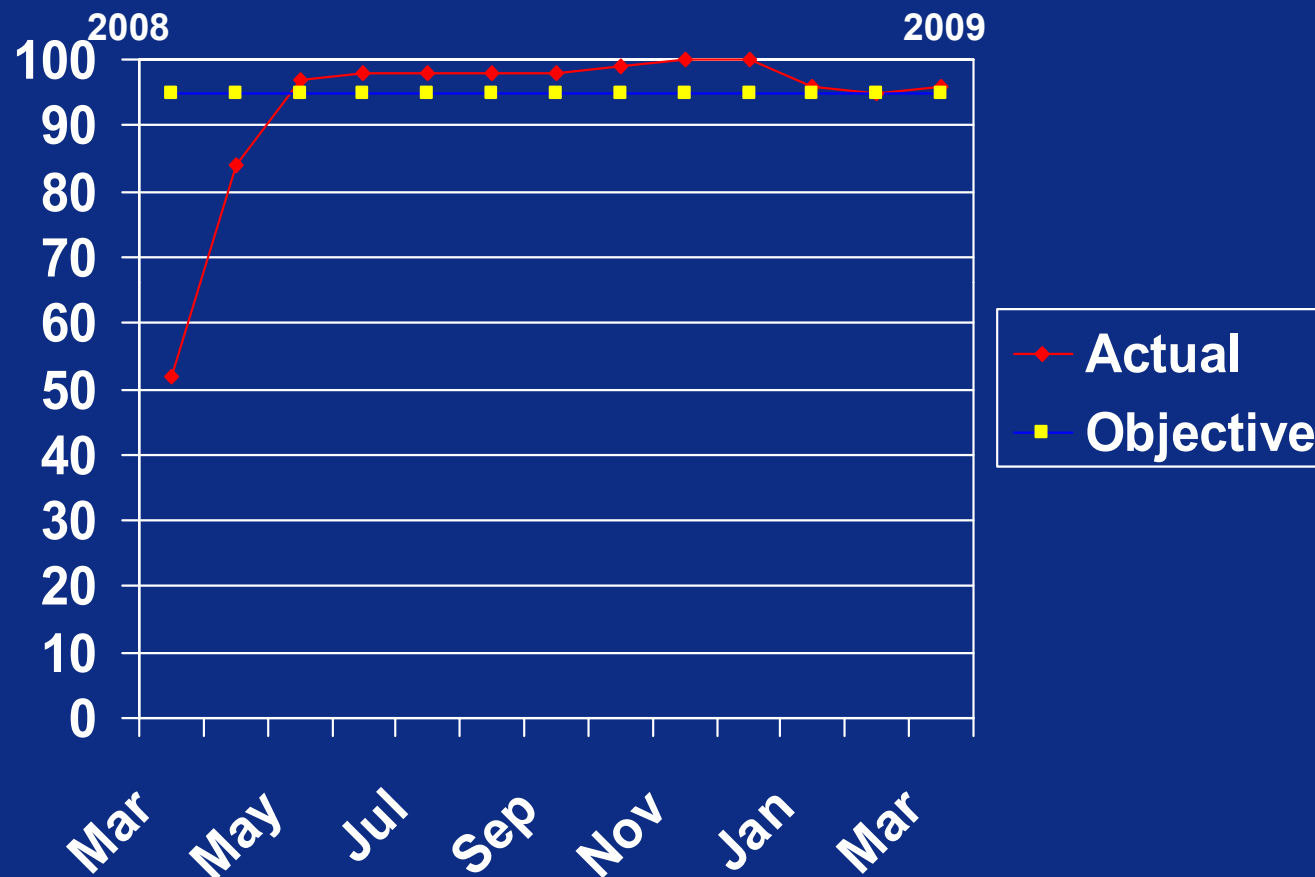
- Adequate performance in maintenance and surveillance, also management organization and controls. W continues to strengthen contractor management and oversight
- W has invested heavily in time and resources to improve training and execution of emergency response since the two 2007 emergency preparedness inspections

Performance Area Reviews

- Enhanced management team and brigade structures are in place
- Completed green belt project that improved brigade procedures, worksheets, checklists, and training drills as committed to in Dec. 2007
Public meeting on the Emergency Response program

Performance Area Reviews

Graph depicts % of Brigade Members fully qualified



Performance Area Reviews

- Latest graded exercise was challenging and noted by the inspection team as the best one observed at W in a long time with no violations
- CFFF has raised the bar on Emergency Preparedness and has established the necessary focus to continuously improve this important support function

Summary

- Nuclear Criticality Safety Basis Completion
- Procedure Use and Adherence
- Inclusion of contractors in HuP and Target Zero reportable injury program
- Knowledge Worker Human Performance

We are fully committed to achieving *World Class Safety & Regulatory Compliance* in **ALL Columbia Operations**

Summary

The Fundamentals of the Westinghouse Manufacturing System

“Safe Flow” – Reliable and predictable operation of man, machinery and material to meet customer and regulator expectations

