

April 30, 2010

MEMORANDUM TO: Rani Franovich, Chief
Performance Assessment Branch
Division of Inspection and Regional Support
Office of Nuclear Reactor Regulation

FROM: Stephen Vaughn */ra/*
Performance Assessment Branch
Division of Inspection and Regional Support
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF THE PERFORMANCE INDICATOR PUBLIC MEETING
HELD ON APRIL 21, 2010

On April 21, 2010, the Nuclear Regulatory Commission (NRC) staff hosted the Performance Indicator (PI) public meeting with the Nuclear Energy Institute (NEI) and other industry representatives (i.e., the industry). Enclosure 1 contains the meeting attendance list and Enclosure 2 contains the meeting agenda and a handout. Meeting attendees discussed approaches to a framework in considering new PIs.

The staff opened up the discussion by stating that all stakeholders should continue to evaluate how we look at the PI program. It was noted that during the ROP monthly public meeting on December 2nd, 2010, the staff asked industry to provide feedback and on a staff white paper regarding ROP indicators and the identification of candidate PIs. Industry responded that there are two ways in which a new PI can be generated. The first way is by an event which could drive the creation of a new PI to identify declining performance. The second way is by looking at the safety cornerstones and key performance attributes to determine whether a PI could effectively cover and assess a noticed gap. Industry also commented that resources are constrained and the staff and industry should focus on important areas to maintain efficiency.

Attendees then began to discuss specific areas that could be explored to consider new candidate PIs. Shutdown operations and fire protection were two areas that were discussed. Security was mentioned as a safety cornerstone that could possibly be a candidate cornerstone for a new PI; however, attendees acknowledged that the new regulations and inspection procedures need to be in place for a longer period of time prior to considering an additional PI(s). Industry stated that the initiating events (IE) and mitigating systems (MS) safety cornerstones are generally the areas of initial consideration, but the health physics (HP), emergency preparedness (EP), and security safety cornerstones should not be overlooked. The staff agreed that all of the safety cornerstones should be properly considered as potential candidates to receive a new PI. Industry also noted that new PIs should be outcome-oriented to ensure clarity.

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Several new PI candidates were discussed. The staff suggested unmonitored effluents, supplier performance, cyber security, digital modification performance, and a safety culture indicator that focused on operator actions (possibly cross cutting aspects). The industry suggested using a similar metric that tracked operator decisions that have resulted in green inspection findings. In addition, industry mentioned that a Reactor Coolant System leak rate PI might be a viable indicator to pursue.

During the development of the ROP in 1999, six traits were used to measure the performance of key attributes in each of the safety cornerstone areas. The staff and industry discussed these six traits of a PI (which are located at the bottom of Enclosure 2 under "Traits of a New PI") to see if they could be used to support the new PI framework development. Some of the traits were well established and did not appear to need revision. Several other traits warranted some clarification and several new traits were proposed. The staff will consider all the comments and feedback received during the public meeting and update the "Traits of a New PI." The updated version of the "Traits of a New PI" will be discussed during the next monthly ROP Public Meeting.

Enclosures:

1. Attendance List – April 21, 2010
2. Meeting Agenda and Handout

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NAME	SVaughn	RFranovich
DATE	4/29/2010	4/30/2010

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ATTENDANCE LIST – PERFORMANCE INDICATOR PUBLIC MEETING – APRIL 21, 2010

Name:	Affiliation:
Randall Crane	AEP / DC Cook
Gerry Sowers	APS
Terry Patterson	CENG
Enrique Melendez	CSN
Gary Miller	Dominion
Jeff Thomas	Duke Energy
Mark Giles	Entergy
Robin Ritzman	First Energy
Jim Peschel	FPL
Glen Masters	INPO
Nancy Chapman	Bechtel
Jim Slider	NEI
Tom Houghton	NEI
Audrey Klett	NRC
Scott Sullivan	NRC
Gabe Salamon	Xcel Energy
Patrick Baranowsky	ERIN Engineering
Guochen Sun	NRC
Steven Dolley	Platts
John Thompson	NRC
Kevin Roche	NRC
Rani Franovich	NRC
Stephen Vaughn	NRC
Fred Brown	NRC
Tony Zimmerman	Progress Energy
Greg Sosson	PSEG
Deann Raleigh	Scientech
Dave Midlik	Southern Nuclear
Duane Kanitz	STARS
Jamie Paul	STP

**AGENDA AND HANDOUT – PERFORMANCE INDICATOR PUBLIC MEETING –
APRIL 21, 2010**

Agenda

2:00 – 2:05 PM	Introduction and Purpose of Meeting
2:05 – 2:35 PM	Philosophy of the Reactor Oversight Process (ROP) and the Performance Indicator (PI) Program
2:35 – 3:45 PM	Framework for Considering Changes to the PI Program
3:45 – 3:55 PM	Opportunity for public comment
3:55 – 4:00 PM	Closing Remarks

Traits of a new PI

- A) Capable of being objectively measured
- B) Allows for the establishment of a risk-informed threshold to guide action
- C) Provides a reasonable sample of performance in the area being measured
- D) Represents a valid and verifiable indication of performance in the area being measured
- E) Encourages appropriate actions by the NRC and Industry
- F) Provides sufficient time to correct declining performance prior to posing undue risk to public health and safety