

Status of Implementation Issues

This enclosure provides a consolidated summary of Reactor Oversight Process (ROP) actions by program area. Table 1 notes those issues that were closed during calendar year (CY) 2005 and will not be carried forward into next year's self-assessment. The reference column denotes the origin of each issue and/or the last official document that discussed the issue, including SECY documents, staff requirements memoranda (SRMs), Davis-Besse Lessons Learned Task Force (DBLLTF) items, the audit by the Office of the Inspector General (OIG), and others. The respective program area assessments or other areas of the paper discuss the actions by the staff of the U.S. Nuclear Regulatory Commission (NRC) to address the issues listed in the table, as noted in the status column.

**TABLE 1
CONSOLIDATED SUMMARY OF ROP ACTIONS BY PROGRAM AREA**

Issue	Reference	Status
Performance Indicator (PI) Program		
Continue to work closely with stakeholders to implement the Mitigating Systems Performance Index (MSPI) as a replacement for the safety system unavailability PI	SECY-05-0070	In progress, see Enclosure 1
Consider potential unintended consequences of the unplanned power change PI	SECY-05-0070	In progress, see Enclosure 1
Develop improved barrier integrity PIs, particularly a reactor coolant system leakage PI	SECY-05-0070, DBLLTF item 3.3.3.3	In progress, see Enclosure 1
Clarify the guidance for the safety system functional failure PI	SECY-05-0070	In progress, see Enclosure 1
Reassess the possibility of using deterministic rather than risk-based thresholds for the initiating events PIs	SECY-05-0070, SRM dated 12/20/01	In progress, see Enclosure 1
Pursue the development of PIs for the cross-cutting issues	SECY-05-0070	On hold, see Enclosure 1
Continue to evaluate the scrams with loss of normal heat removal PI	SECY-05-0070	In progress, see Enclosure 1
Continue reassessment of the PI program, including the need to develop new indicators to supplement or replace the existing indicators, enhancements to the frequently asked question process, and whether some PI thresholds should be performance based rather than risk-informed	SECY-05-0070	In progress, see Enclosure 1

Issue	Reference	Status
Work with stakeholders to develop clear requirements for PIs so that they indicate performance within the related cornerstone of safety	SRM dated 05/27/04	In progress, see Enclosure 1
Evaluate potential improvements to the reactor coolant system activity PI	SECY-05-0070	In progress, see Enclosure 1
Reevaluate the containment leakage PI and consider reinstating it	SECY-05-0070	In progress, see Enclosure 1
Interact with the Nuclear Energy Institute and other stakeholders at a senior management level to discuss steps to improve the effectiveness and efficiency of the PI program	SECY-05-0070	In progress, see Enclosure 1
Consider further improvements to PIs, in addition to efforts described in the ROP self-assessment, to give the NRC good indicators of performance in which to focus inspection resources	SRM dated 06/30/05	In progress, see Enclosure 1
Ensure that the MSPI process is as transparent as possible to external and internal stakeholders	SRM dated 06/30/05	In progress, see Enclosure 1
Inspection Program		
Develop inspection guidance to ensure the adequacy of pressurized-water reactor plant boric acid corrosion control programs	SECY-05-0070, DBLLTF item 3.2.2.1	Complete, see Enclosure 2
Conduct pilot program to ascertain feasibility of the licensee self-assessment process	SECY-05-0070	On hold, see Enclosure 2
Report the results of the pilot inspection program used to evaluate the effectiveness of the baseline inspection procedure (IP) consolidation effort	SECY-05-0070	Complete, see Enclosure 8
Perform a program review to understand the reasons for regional differences in expenditure rates and identify best practices for conducting inspections	SECY-05-0070	In progress, see Enclosure 8
Continue to monitor resident inspector demographics and report to the Commission	SECY-05-0070, SRM dated 04/08/98	Ongoing, see Enclosure 9
Assess the results of the pilot engineering design inspections and develop recommendations for Commission consideration in fiscal year (FY) 2005 to improve their effectiveness	SECY-05-0070	Closed, see Enclosure 2

Issue	Reference	Status
Evaluate the effectiveness of the significant revisions to the problem identification and resolution and fire protection IPs and adjustments to several other IPs regarding procedure scope, frequency, and level of effort. Continue to improve major program guidance as a result of stakeholder feedback and lessons learned	Office of Nuclear Reactor Regulation commitment in its management control plan (reference ADAMS Accession No. ML043370410)	Closed, see Enclosure 2
Perform a more detailed analysis of the scope and level of effort of the IPs in CY 2005 and adjust existing resources within the baseline inspection program for CY 2006	SECY-05-0070	Closed, see Enclosure 2
Evaluate the number of inspection findings identified during FY 2005 to determine whether the trend continues to increase and to identify potential contributors	SECY-05-0070	Closed, see Enclosure 2
Incorporate the recommendations made by OIG as a result of its audit of the baseline inspection program	OIG audit of baseline inspection program (OIG-05-A-06)	In progress, see Enclosure 2
Significance Determination Process (SDP)		
Standardize the site-specific risk-informed inspection notebooks and develop the pre-solved Phase 2 tables	SECY-05-0070	Closed, see Enclosure 3
Continue efforts to obtain improved and standardized risk analysis tools	SECY-05-0070	Ongoing, see Enclosure 3
Develop an SDP for maintenance rule implementation	SECY-05-0070	Closed, see Enclosure 3
Develop an SDP for spent fuel storage	SECY-05-0070	In progress, see Enclosure 3
Improve the capability to assess the impact of external events on operating reactor safety-related issues	SECY-05-0070	In progress, see Enclosure 3
Continue to monitor and make planned SDP improvements via the SDP Improvement Plan	SECY-05-0070, Director's Quarterly Status Report	In progress, see Enclosure 3
Perform an evaluation of the effectiveness of the recent changes made to improve the timeliness of the fire protection SDP	SRM dated 12/23/04, SECY-05-0070	In progress, see Enclosure 3

Issue	Reference	Status
Assessment Program		
Continue to assess combination of inputs and length of time for consideration in the Action Matrix to ensure appropriate agency response	SECY-05-0070	Ongoing, see Enclosure 4
Make further effort to clarify the guidance on substantive cross-cutting issues	SRM dated 06/30/05, SECY-05-0070	In progress, see Enclosure 4
Enhance the ROP treatment of cross-cutting issues to more fully address safety culture	SRM dated 08/23/04, SECY-05-0070	In progress, see Enclosure 4
Monitor the effectiveness of the revised guidance for defining the threshold for a substantive cross-cutting issue as well as agency followup actions	SECY-05-0070	Closed, see Enclosure 4
Monitor the effectiveness of the revised guidance for staff actions when plants transition out of increased oversight columns in the Action Matrix	SECY-05-0070	In progress, see Enclosure 4
Monitor the effectiveness of the revised guidance for considering conclusions of independent evaluations such as Institute of Nuclear Power Operations and International Atomic Energy Agency inspections in order to self-assess the NRC's inspection and assessment processes during the midcycle and end-of-cycle review meetings	SECY-05-0070	In progress, see Enclosure 4
Revise IMC 0350 to address the Davis-Besse Oversight Panel report on recommended improvements to the process	SECY-05-0070	Closed, see Enclosure 4
Communication Activities and Other Program Issues		
Continue to emphasize the importance of effective implementation of a good corrective action program in conferences, workshops, and meetings with licensees	SRM dated 06/30/05	Closed, see Enclosure 6
Continue to make enhancements to the ROP feedback process, to include providing users with the ability to easily view open and closed feedback forms	SECY-05-0070	Closed, see Enclosure 6
Develop an electronic support system for inspectors to help them perform their jobs more efficiently	SECY-05-0070	Closed, see Enclosure 6

Issue	Reference	Status
Continue to explore information technologies to gain inspector efficiencies	SECY-05-0070	Closed, see Enclosure 6
Continue to hold monthly working-level public meetings with external stakeholders to discuss the status of and improvements to the ROP	SECY-05-0070	Ongoing, see Enclosure 6
Continue to assess the impact of the NRC's regulatory actions on licensee operations and report any significant concerns to the Commission	SECY-05-0070	Ongoing, see Enclosure 7
Report on the revised site staffing metric, which was redesigned based on data inconsistencies, in the CY 2005 ROP self-assessment SECY paper	SECY-05-0070	Closed, see Enclosure 9
Revise the ROP self-assessment program to support the new safety performance measures	SECY-05-0070	Closed, see main body of paper
Develop a consolidated response to external stakeholder comments, post it to the ROP Web page, and send it to each respondent to the survey	SECY-05-0070	Closed, see Enclosure 6