



U.S. NRC

UNITED STATES NUCLEAR REGULATORY COMMISSION

Protecting People and the Environment

SUMMARY PROJECT PLAN

Revised Fuel Cycle Oversight Program

Revision 0

Summary RFCOP Project Plan

LIST OF REVISIONS	
REVISION	DATE
0	April 16, 2015

1. **PURPOSE:**

The purpose of the Revised Fuel Cycle Oversight Program (RFCOP) Project Plan (Project Plan) is to implement the Staff Requirements Memorandum (SRM) for SECY-11-0140 dated January 5, 2012 (Agencywide Documents Access & Management System (ADAMS) Accession No. ML120050322). In the SRM, the Commission approved the staff's recommendation presented in SECY-11-0140, "Enhancements to the Fuel Cycle Oversight Process" (ADAMS Accession No. ML11180708) and directed the U.S. Nuclear Regulatory Commission (NRC) staff to develop a publicly available resource-loaded Project Plan that clearly establishes timelines and major milestones.

This document is a summary overview of the detailed RFCOP Project Plan that may be accessed in ADAMS (ADAMS Accession No. ML14181A674). This Summary Project Plan may be useful for understanding the major milestones of the RFCOP project.

2. **OBJECTIVES:**

The objective of the Project Plan is to develop and implement the RFCOP, described as Option 1 in SECY-11-0140. The Project Plan defines the activities and schedules needed to achieve this objective.

3. **BACKGROUND:**

On October 7, 2011, the NRC staff issued SECY-11-0140, "Enhancements to the Fuel Cycle Oversight Process." In SECY-11-0140, the NRC staff recommended a plan for developing an RFCOP with cornerstones, a fuel cycle significance determination process (SDP), and an action matrix based on the fuel cycle SDP results. The staff will use cornerstones to risk-inform the core inspection program (CIP), to aggregate the inspection findings in the performance assessment process, and ultimately, to feedback to the CIP for continuous improvement. The proposed RFCOP will provide the tools for inspection and assessment of licensee performance in a more risk-informed, objective, predictable, and transparent way. Additionally, the recommended assessment process will provide a systematic method to adjust the inspection program based on licensee performance.

In the SRM for SECY-11-0140 dated January 5, 2012, the Commission approved the staff's recommendation and directed the NRC staff to develop a publicly available resource-loaded Project Plan that clearly establishes timelines and major milestones. As directed by the Commission, this Project Plan will be used to facilitate full stakeholder engagement in the development and implementation of the RFCOP. The NRC staff notes that this Project Plan is intended to be a "living" document and will be modified based on interactions with internal and external stakeholders.

This Project Plan contains three phases.

- Phase I, which includes Activity I, "Corrective Action Program, Issue Characterization, and Inspection Program Improvements," and Activity IX, "Project Management," which is the initial 2-year effort that will lay the foundation for the other phases of this Project Plan to establish the entry level condition for

the RFCOP (i.e., defining an adequate CAP) and to identify the project management activities needed for successful development and implementation of the RFCOP.

- This Summary Project Plan was created after Phase I was completed. Therefore, no details are provided on the milestones associated with Phase I.
- Phase II develops the elements of the RFCOP such as cornerstones, fuel cycle SDP, performance assessment process, and supplemental inspection program. These elements provide the necessary framework to ensure an open, transparent, and predictable program.
- Phase III conducts a program pilot, incorporates the lessons learned, and implements the RFCOP.

4. Summary of Significant Tasks Required for Completion of the RFCOP Project Plan, Phases II and III

Table 1, Summary of Significant Tasks Required for Completion of the RFCOP Project Plan, Phases II and III, lists the significant tasks or milestones needed to monitor the development of the RCOP. This is a partial list of all tasks needed to successfully develop the RCOP. This table will be periodically updated to report progress and any changes to the project plan or schedule.

Table 1, Summary of Significant Tasks Required for Completion of the RFCOP Project Plan, Phases II and III			
Phase II			
Post Phase I Activities Associated with Phase II			
1	Issue revised IMC 0616P to include revisions associated with RFCOP Cornerstones (For use during pilot program)	1 st Q 2016	
Activity II, Cornerstones			
Subtask	Milestones	Due Date¹	Status
2	Develop draft Cornerstones Technical Document	April 2015	
5	Public Comment Period for Cornerstones Technical Document	2 nd Q 2015	
7	Present Cornerstone Recommendations to ACRS Sub-Committee	7/07/15	
8	Present Cornerstone Recommendations to ACRS Full Committee	9/10/15	
11	Submit SECY Paper to EDO	1/11/2016	
13	Revise IPs to incorporate the approved	3 rd Q 2016	

¹ Completion dates may be revised as the project evolves. Updated schedule will be shared at public meeting on Cumulative Effects of Regulations (CER) and/or by publishing this revised Summary RFCOP Project Plan in the Agencywide Documents Access & Management System (ADAMS).

	Cornerstones – For use during Pilot Program		
Activity III, Qualitative Fuel Cycle Significance Determination Process (SDP)			
Subtask	Milestones	Due Date	Status
1	Develop draft Qualitative SDPs and develop draft IMC	3 rd Q 2015	
3	Issue draft Qualitative SDPs and IMC for public comment. Conduct a workshop with external stakeholders.	2 nd Q 2016	
4	Brief ACRS Sub-Committee on Qualitative SDPs and IMC	3 rd Q 2016	
	Brief ACRS Full-committee Qualitative SDPs and IMC	3 rd Q 2016	
Activity IV, Performance Assessment Process			
Subtask	Milestones	Due Date	Status
1	Develop integrated assessment process (action matrix) and draft IMC 2604P	2 nd Q 2016	
4	Incorporate the action matrix into the draft IPs, as appropriate	2 nd Q 2016	
3	Conduct Public Comment process for integrated assessment process	4 th Q 2016	
Activity V, Supplemental Inspection Program			
Subtask	Milestones	Due Date	Status
1	Develop the basis for the supplemental inspection program and appendix, includes external engagement	2 nd Q 2017	
2	Develop draft supplemental inspection procedures	2 nd Q 2017	
3	Conduct Public Comment process for supplemental inspection program	2 nd Q 2017	
Phase III			
Activity VI, Pilot Program			
Subtask	Milestones	Due Date	Status
1	Prepare Pilot Program Technical Basis Document	2 nd Q 2017	
	ACRS Sub-Committee presentation on the Pilot Program	3 rd Q 2017	
2	ACRS Full-Committee presentation on the Pilot Program	2 nd Q 2017	
5	Submit notation vote paper to EDO for permission to perform Pilot Program	June 2018	
6	Conduct pilot test	Sept 2018 thru June 2019	
7	Engage external stakeholders on the results of pilot test	Summer 2019	
	Make presentation to ACRS Sub-committee	3 rd Q 2019	
8	Make presentation to ACRS Full-committee	3 rd Q 2019	
9	Submit notation vote paper to EDO on Results of Pilot Test	August 2019	

Activity VII, Quantitative Fuel Cycle Significance Determination Process			
Subtask	Milestones	Due Date	Status
1	Initial Screening on a decision to develop Quantitative SDP - Explore quantitative insights	3 rd Q 2016	
2	Develop and validate assessment tools	2 nd Q 2017	
6	Conduct a workshop with external stakeholders and request public comment	4 th Q 2017	
7	Brief ACRS (Sub- and Full committee) on the results	1 st Q 2018	
9	Issue CA Note on Quantitative SDP	3/23/18	
Activity VIII, Implementation of the Fuel Cycle Oversight Process			
Subtask	Milestones	Due Date	Status
1	Obtain Commission approval to implement RFCOP	4 th Q 2019	
2	Notify licensees about implementation plans and schedule	4 th Q 2019	
3	Initiate use of the RFCOP	4 th Q 2019	