

IMC 2600 Appendix B NRC Core Inspection Requirements Tables 1 and 2

PURPOSE:

THIS APPENDIX IDENTIFIES THE NRC CORE AND RESIDENT INSPECTION REQUIREMENTS FOR EACH TYPE OF FUEL FACILITY BY INSPECTION PROCEDURE.

Table 1

Function/Program Areas	Procedure or Procedure Suite	Facility Type											
		Category 1		Cat III U Fuel Fabrication		GDP		Uranium Conversion		Gas Centrifuge Facility		Laser Enrichment Facility	
		Inspection Frequency	Estimated Resources per IP (hrs)	Inspection Frequency	Estimated Resources per IP (hrs)	Inspection Frequency	Estimated Resources per IP (hrs)	Inspection Frequency	Estimated Resources per IP (hrs)	Inspection Frequency	Estimated Resources per IP (hrs)	Inspection Frequency	Estimated Resources per IP (hrs)
SAFETY OPERATIONS													
Plant Operations	88020 (OPR)	Annual	24	Annual (2 per year)	60	Annual	24	Annual (2 per year)	60	Annual (2 per year)	60	—	—
	92702 (Enforcement Follow-up)	As Needed	—	As Needed	—	As Needed	—	As Needed	—	As Needed	—	—	—
Criticality Safety	88015 (NCS)	Annual (3 per year)	79.5	Annual (2 per year)	29.5	Annual (2 per year)	59.5	—	—	Annual (2 per year)	27.5	—	—
	88016 (NCS Evaluations)	Annual (3 per year)	112	Annual (2 per year)	34	Annual (2 per year)	68	—	—	Annual (2 per year)	36	—	—
	88017 (NCS Alarm Systems)	Annual	0.5	Annual	0.5	Annual	0.5	—	—	Annual	0.5	—	—
Fire Protection	88055 (FPA)	Annual unless 88054 is performed	32	Annual unless 88054 is performed	32	Annual unless 88054 is performed	32	Annual unless 88054 is performed	32	Annual unless 88054 is performed	32	—	—
	88054 (FPT)	Triennial*	90	Triennial*	90	Triennial*	90	Triennial*	90	Triennial*	90	—	—

\*Note: The triennial inspection (88054) references portions of 88055, but all inspection time will be charged to 88054.

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SAFEGUARDS													
MC&A	Procedures as in IMC 2683	2	152-196	Annual	54-72	Annual	62-84	—	—	Annual	62-84	—	—
Physical Protection	HEU Access Controls (PS1)	Annual	40	—	—	—	—	—	—	—	—	—	—
	HEU Alarms and Barriers (PS2)	Annual	40	—	—	—	—	—	—	—	—	—	—
	HEU Other Security Areas (PS3)	Annual	50	—	—	—	—	—	—	—	—	—	—
	LEU Security (PS4)	—	—	Triennial	16	Triennial	16	Triennial	24	Triennial	16	—	—
	Transportation Security (PS5)	Triennial	8	Triennial	8	Triennial	8	—	—	Triennial	8	—	—
Classified Material and Information Security	81820 (INFOSEC)	Annual	2	—	—	—	—	—	—	Annual	48-160	Annual	104-120
	81815 (Access Authorization)	—	—	—	—	—	—	—	—	Annual	8-16	Annual	16

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RADIOLOGICAL CONTROLS													
Radiation Protection	88030 (RP)	Biennial with annual subsections	64	Biennial with annual subsections	64	Biennial with annual subsections	64	Biennial with annual subsections	64	Biennial with annual subsections	64	—	—
Environmental Protection	88045 (Effluent Control and Environmental)	Annual	32	Annual	32	Annual	32	Annual	32	Annual	32	—	—
Waste Management	88035 (WM)	Biennial	32	Biennial	32	Biennial	32	Biennial	32	Biennial	32	—	—
Transportation	86740 (T)	Biennial	30	Biennial	30	Biennial	30	Biennial	30	Biennial	30	—	—
FACILITY SUPPORT													
Maintenance/ Surveillance	88025 (MS)	----	----	Annual	30	----	----	Annual	30	Annual	30	—	—
Training	88010 (OT)	As Needed	----	As Needed	----	As Needed	----	As Needed	----	As Needed	----	—	—
Emergency Preparedness	88050 (EP)	Annual	32	Annual	32	Annual	32	Annual	32	Annual	32	—	—
	88051 (Exercise Observation)	Biennial	48	Biennial	48	Biennial	48	Biennial	48	Biennial	48	—	—
Permanent Plant Modifications	88070	Annual	40-120*	Anunal	40-120*	Annual	40-120*	Annual	40-120*	Annual	40-120*	—	—
Management Organization and Controls	88005 (MO)	As Needed	----	As Needed	----	As Needed	----	As Needed	----	As Needed	----	—	—
Corrective Action Programs for Fuel Cycle Facilities	88XXX	As Needed	----	As Needed	----	As Needed	----	As Needed	----	As Needed	----	—	—

\*Note: The actual planned inspection hours will depend on information developed from routine inspections, changes to the ISA Summary, discussions with Project Inspectors and staff, etc.

Table 2

Function/Program Areas	Procedure	Facility Type	
		Category I	GDP
		Direct Inspection Effort (hrs)	Direct Inspection Effort (hrs)
GDP SAFETY OPERATIONS			
Plant Operations	88100 (OPNS)	-	766
Surveillance Operations	88102 (SURV)	-	20
Maintenance Observations	88103 (MAINT)	-	40
Management Organization and Controls	88105 (MO&C)	-	24
CATEGORY I SAFETY OPERATIONS			
B&W NOG Operations	88135	752	-
NFS Operations	88135	1504	-

1. Resident inspection activities are conducted over the course of the year at the frequency and in the manner described in the relevant inspection procedure.
2. Hours listed are for planning purposes and may vary by  $\pm 10\%$ . If variance is more than 10%, the difference must be explained and the hours reviewed.

END

Revision History Table for IMC 2600 Appendix B

Commitment Tracking Number	Accession Number Issue Date Change Notice	Description of Change	Description of Training Required and Completion Date	Comment and Feedback Resolution Accession Number
N/A	04/26/07 CN-07-014	Revised to incorporate the new inspection procedures developed to address changes to 10 CFR Part 70 and to reflect enhancements made to the fuel facility inspection program.	N/A	ML070610109
N/A	08/15/07 CN-07-025	Remove 'OFFICIAL USE ONLY - SENSITIVE INTERNAL INFORMATION' designation from entire manual chapter to make publicly available. (1) Revised to correct estimated resources per year for Plant Operations [Cat. III and Uranium Conversion], MC&A [Cat I], and Radiation Protection [Cat. I]; (2) Revised to delete Procedure 84900, 'Low Level Waste.' The procedure was combined into Procedure 88035, 'Waste Management.'	N/A	ML072070181
N/A	03/21/08 CN 08-011	Revised to incorporate Gas Centrifuge Facility inspections into the fuel facility inspection program A	N/A	N/A
N/A	01/27/10 CN 10-003	Revised to incorporate Gas Centrifuge Facility inspections into the fuel facility inspection program.	N/A	N/A
N/A	ML112720197 11/07/11 CN 11-028	Revised to incorporate revised hours of IP 88015 and 88017.	N/A	ML112720208

Commitment Tracking Number	Accession Number Issue Date Change Notice	Description of Change	Description of Training Required and Completion Date	Comment and Feedback Resolution Accession Number
N/A	ML13311A662 02/07/14 CN 14-005	<p>Significant revision to:</p> <ul style="list-style-type: none"> <li>Deleted Cat III Fuel Assembly Facility Type as FCSS &amp; DFFI no longer has this type of facility in its jurisdiction.</li> <li>Revised to include adjustment to Gaseous Diffusion Plant resident inspection hours as described in ML12284A329.</li> <li>Revise to make total core hours for Gaseous Diffusion Plant consistent with the core hours described in ML12284A329.</li> <li>Removed Operator Training hours and made it "as needed."</li> <li>Changed MC&amp;A hours to reflect the sum of estimated hours in the IPs.</li> <li>Removed Management Organization and Controls hours and frequency as inspections requirements were transferred to other IPs. Made this IP "as needed."</li> <li>Updated IP 88054 and 88055 inspection hours. All inspection hours will be charged to the triennial procedure every three years. The triennial inspection hours have been increased to reflect that 88055 will not be charged during this 3rd year.</li> <li>Reduced the Radiation Protection (88030) inspection hours to be performed at the Category 1 fuel facilities. This reduction allows for the same resource allocation as the Category 3 and Conversion facilities. The evaluation for this change included the safety significance of the</li> </ul>	N/A	ML13347A907

Commitment Tracking Number	Accession Number Issue Date Change Notice	Description of Change	Description of Training Required and Completion Date	Comment and Feedback Resolution Accession Number
		<p>facilities and the radiation protection evaluations included in 88135.</p> <ul style="list-style-type: none"> <li>• Added new Corrective Action Programs for Fuel Cycle Facilities inspection procedure.</li> <li>• The Environmental Protection, 88045, inspection hours were increased to correspond to the new material included in the inspection procedure revision.</li> <li>• The Waste Management (88035) inspection hours were increased to correspond with the new material included in the inspection procedure revision. The inspection frequency has been reduced to biannual, from annual inspections, due to the amount of waste management activities at the site.</li> <li>• The Transportation inspection procedure (IP 86740) was not revised. The change in hours reflect the current recommendation in hours from the Resource Estimate section of the inspection procedure. The frequency of the IP was changed to biennial, from annual, to keep the total number of inspection hours consistent with the current level of risk for this activity. This change addresses an audit finding which stated that the App B hours should be consistent with the recommended hours of the inspection procedure.</li> <li>• The column headings were revised to simplify the chart and to decrease the number of footnotes applicable.</li> </ul>		
N/A	ML14119A212 06/27/14 CN 14-014	Table revised to add columns for Laser Enrichment Facility and rows for Classified Material and Information Security.	N/A	ML14119A214