



# **Update on Changes to the Engineering Inspection Program**

# Engineering Inspection Plan

	Develop Procedure	Draft IP complete	Training (delivered to NRC staff)	Execute CY2020
CETI	April 2019	May 2019	Summer 2019	TBD
FP	March 2019	April 2019	Summer 2019	Q1
POV	March 2019	April 2019	Summer 2019	TBD
3 <sup>rd</sup> FEI*	July 2019	August 2019	Fall 2019	TBD
4 <sup>th</sup> FEI**	August 2019	Sept 2019	Fall 2019	TBD
*3 <sup>rd</sup> and 4 <sup>th</sup> FEI if Commission approves 4-yr or 5-yr cycle				

## Staff next steps

- Inform the Commission of staff intentions to select Inspection Procedures 71111.21N (FEIs) as indicated in SECY 18-0113. The new FEIs are as follows:
  - Fire Protection (FP) Focused Engineering Inspection (FEI) replaces current triennial FP
  - Power-Operated Valves (POV) (FEI) is the next focused 71111.21N inspection replacing Environmental Qualification
  - The 3<sup>rd</sup> and 4<sup>th</sup> FEIs , should the Commission approve of a 4 or 5 year inspection cycle, are TBD.



**Reactor Oversight Process**  
***ROP Enhancement Project***  
Inspection Area



The following Baseline IPs were recommended for changes:

- 71111.01, “Adverse Weather Protection” – Reduce 1 Sample and 12 Hours
- 71111.04, “Equipment Alignment” – Reduce 3 Samples and 24 Hours
- 71111.05, “Fire Protection” – Increase 1 Sample and 5 Hours
- 71111.06, “Flood Protection Measures” – Reduce 1 Sample and 8 Hours
- 71111.13, “Maintenance Risk Assessment and Emergent Work Control” –  
Revise sample range based on number of operating units at a site.  
Nominal reduction of 2 Samples and 5 Hours
- 71111.18, “Plant Modifications” – Reduce 2 Samples and 21 Hours

Combine IP 71111.19 and 71111.22:

- 71111.19, “Post maintenance Testing” – Reduce 24 Samples and 84 Hours
- 71111.22, “Surveillance Testing” – Increase 12 Samples and 42 Hours

ALARA procedure recommended for retirement based on continuous decline in occupational exposure



1. Problem Identification and Resolution (Routine) hours moving to IMC 2515, appendix D, Plant Status as follows:

	Hours Single Unit	Hours Dual Unit	Hours Triple Unit
Current	641	699	908
Revised	720	720	1080
Transferred	129	178	225

2. Problem Identification and Resolution (Biennial) frequency change to Triennial

	Minimum Samples	Nominal Samples	Maximum Samples	Minimum Hours	Nominal Hours	Maximum Hours
Current	1	1	1	106	125	144
Revised	1	1	1	64	80	96
Reduction	0	0	0	42	45	48

3. Problem Identification and Resolution (Annual Samples): Normalize the hours to 12 hours per sample

	Minimum Samples	Nominal Samples	Maximum Samples	Minimum Hours	Nominal Hours	Maximum Hours
Current	4	6	8	64	74	84
Revised	4	6	8	48	72	96
Reduction	0	0	0	16	2	-12