



# ROP Bimonthly Public Meeting: Baseline Inspection Program Revision

September 18, 2025

# Purpose, Outcome, Plan

## Purpose of the Presentation

- To discuss proposed revisions to the ROP Baseline Inspection Program and Procedures.

## Desired Outcome

- Communicate proposed revisions to the program and inspection procedures to industry and members of the public.

## Agenda

1. Proposed Revisions
2. Resource Impact & FTE Savings
3. Timeline
4. Q&A / Discussion

## Total Inspection Procedure Reductions as Part of the ROP Baseline Inspection Program Revision

| Office/Program              | From      | To        |
|-----------------------------|-----------|-----------|
| NRR/Reactor Safety          | 21        | 12        |
| NRR/Radiation Protection    | 7         | 4         |
| NSIR/Security               | 11        | 7         |
| NSIR/Emergency Preparedness | 8         | 7         |
| <b>Grand Total</b>          | <b>47</b> | <b>30</b> |

# NRR IPs Maintained/Sunset

## KEY MESSAGES

- 21 IPs currently used for the NRR ROP BIP
- 5 IPs will be sunset
  - 71111.06, Flood Protection Measures (attributes shifted to .01 and .04)
  - 71111.07, Heat Exchanger/Sink Performance (attributes shifted to .24)
  - 71111.12, Maintenance Effectiveness (requirements shifted to .24)
  - 71111.18, Plant Modifications (attributes shifted to .04, .11, engineering inspection)
  - 71151, Performance Indicator Verification (reduced verification shifted to Plant Status, or other IPs)
    - The 5 engineering IPs will be consolidated into one newly developed IP
    - **12 IPs will remain in use**

| IP           | Title  | Issue Date | Action           |
|--------------|--|------------|------------------|
| 71111.01     | Adverse Weather Protection   | 8/1/2022   | Maintain         |
| 71111.04     | Equipment Alignment  | 9/19/2023  | Maintain         |
| 71111.05     | Fire Protection  | 8/1/2022   | Maintain         |
| 71111.06     | Flood Protection Measures  | 8/1/2022   | <b>Sunset</b>    |
| 71111.07     | Heat Exchanger/Sink Performance  | 8/18/2023  | <b>Sunset</b>    |
| 71111.08     | Inservice Inspection Activities  | 10/16/2023 | Maintain         |
| 71111.11     | Licensed Operator Requalification Program and Licensed Operator Performance          | 12/6/2024  | Maintain         |
| 71111.12     | Maintenance Effectiveness  | 3/31/2021  | <b>Sunset</b>    |
| 71111.13     | Maintenance Risk Assessments and Emergent Work Control                               | 8/1/2022   | Maintain         |
| 71111.15     | Operability Determinations and Functionality Assessments – Effective January 1, 2026 | 4/9/2025   | Maintain         |
| 71111.18     | Plant Modifications – Effective Date January 1, 2025                                 | 11/21/2024 | <b>Sunset</b>    |
| 71111.20     | Refueling and Other Outage Activities  | 4/6/2022   | Maintain         |
| 71111.21M    | Comprehensive Engineering Team Inspection  | 6/27/2025  | New IP           |
| 71111.21N.03 | Commercial Grade Dedication  | 2/16/2023  | <b>In new IP</b> |
| 71111.21N.04 | Age-Related Degradation  | 4/9/2025   | <b>In new IP</b> |
| 71111.21N.05 | Fire Protection Team Inspection (FPTI)   | 6/12/2019  | <b>In new IP</b> |
| 71111.24     | Testing and Maintenance of Equipment Important to Risk                               | 3/7/2023   | Maintain         |
| 71151        | Performance Indicator Verification – Effective Date 01/01/2025                       | 12/12/2024 | <b>Sunset</b>    |
| 71152        | Problem Identification and Resolution (PI&R)   | 10/31/2023 | Alter            |
| 71153        | Follow up of Events and Notices of Enforcement Discretion                            | 9/16/2020  | Maintain         |

NRR IPs Maintained/Sunset

| Current IP No | Frequency | Title   | Nominal Samples | Nominal Hours |
|---------------|-----------|---|-----------------|---------------|
| 7111.01       | A         | Adverse Weather Protection                                | 3               | 17            |
| 7111.04       | A         | Equipment Alignment                                       | 13              | 60            |
| 7111.05       | A         | Fire Protection   | 22              | 50            |
| 7111.06       | A         | Flood Protection Measures                                 | 2               | 12            |
| 7111.07       | A         | Heat Exchanger  | 1               | 7             |
| 7111.08       | Refuel    | Inservice Inspection Activities (PWR)                     | 2               | 86            |
| 7111.11B      | B         | Licensed Op Requal & Perform                              | 1               | 96            |
| 7111.11Q      | A         | Licensed Op Requal & Perform                              | 8               | 32            |
| 7111.12       | A         | Maintenance Effectiveness                                 | 9               | 108           |
| 7111.13       | A         | Maintenance Risk Assessments & Emergent Work Control      | 17              | 85            |
| 7111.15       | A         | Oper Determinations/Functionality                         | 22              | 122           |
| 7111.18       | A         | Plant Modifications                                       | 4               | 32            |
| 7111.20       | R         | Refueling and Other Outage Activities                     | 1               | 77            |
| 7111.21M      | Quad      | Comprehensive Engineering Team Inspection                 | 28              | 490           |
| 7111.21N.03   | Quad      | Commercial Grade Dedication                               | 12              | 210           |
| 7111.21N.04   | Quad      | Age-Related Degradation                                   | 12              | 210           |
| 7111.21N.05   | Quad      | Fire Protection Team Inspections (FPTI)                   | 6               | 210           |
| 7111.24       | A         | Testing and Maintenance of Equipment                      | 41              | 184           |
| 71151         | A         | Important to Risk   |                 |               |
| 71152A        | A         | Performance Indicator Verification                        | 27              | 28            |
| 71152S        | S         | PI & R Annual   | 6               | 74            |
| 71152B        | B         | PI & R Semi Annual  | 2               | 20            |
| 71153         |           | PI&R Biennial Team Inspection                             | 1               | 125           |
|               |           | Follow up of Events and Notices of Enforcement Discretion | 6               |               |

| Updated IP No | Frequency | Title  | Min Samples | Min Hours |
|---------------|-----------|--|-------------|-----------|
| 71111.01      | A         | Adverse Weather Protection   | 2           | 10        |
| 71111.04      | A         | Equipment Alignment  | 9           | 72        |
| 71111.05      | A         | Fire Protection  | 13          | 29        |
| 71111.08      | A         | Inservice Inspection Activities  | 2           | 80        |
| 71111.11Q     | A         | Licensed Op Requal & Perform   | 4           | 16        |
| 71111.11B     | B         | Licensed Op Requal & Perform   | 1           | 80        |
| 71111.13      | A         | Maintenance Risk Assessments & Emergent Work Control                                 | 10          | 50        |
| 71111.15      | A         | Operability Determinations/Functionality   | 18          | 112       |
| 71111.20      | R         | Refueling and Other Outage Activities  | 1           | 77        |
| 71111.24      | A         | Testing and Maintenance of Equipment Important to Risk and Maintenance Effectiveness | 32          | 181       |
| 71152A        | A         | PI & R Annual  | 7           | 90        |
| 71152S        | S         | PI & R Semi Annual   | 2           | 20        |
| 71153         | A         | Follow up of Events and Notices of Enforcement Discretion                            | As required | 55        |
| New           | A         | Engineering IP   | TBD         | 175       |

# Engineering and PI&R Inspection Changes

## Engineering Inspections, Shift to Annual Cycle

- **1 two-week** Engineering inspection per year, with the inspection having on average **2.5 inspectors**
- Samples will be flexible based on licensee current performance
- Allows for detailed inspection of high-risk components if necessary
- **Overall reduction is 37%** (280 hrs/yr to 175 hrs/yr)

## PI&R Inspections, Move IP 71152B to Appendix C

- Increase in annual follow-up samples:
  - Requirement to follow-up on open Corrective Action Program Records
- Option to sample in the areas of licensee audits and self-assessments, licensee use of operating experience, and safety conscious work environment
- Overall assessment of program using team inspection inputs
  - Development of objective criteria for implementation of team inspection
- **Overall reduction is 45%** (219 hrs/yr to 120 hrs/yr)

## **Elements of New Engineering Inspection Procedure**

- The 5 engineering IPs will be consolidated into one newly developed IP
- Small number of detailed inspection samples and/or larger number of more streamlined samples
- Specific inspection guidance will depend on the specific sample and will utilize previous engineering IPs (i.e. POV, EQ, CGD, etc)
- Inspection can be completed in two consecutive weeks or spread out over some time period depending on the samples selected
- A resident inspector will be part of the inspection effort

# Elements of PI&R Inspection Procedure

- The PI&R IP will be split into two IPs
  - The first IP will remain in IMC 2515 App A
  - The second IP (PI&R Team Inspection) will transition to IMC 2515 App C (Special and Infrequently Performed Procedures)
- Minimum Annual Samples will be increased from 4 to 7 with a resource increase from 64 to 90 hours.
- Current sections in the PI&R Team Inspection will be moved to optional Annual Samples:
  - Focused inspection: Licensee Audits and Self-Assessments
  - Focused inspection: Licensee use of Operating Experience
  - Focused inspection: Review issues that pose challenges to the free flow of information for adequate resolution.
- Proposed Entry Criteria (To be discussed later in this meeting)

# Elements of PI&R Inspection Procedure

- Two-member team, onsite for one week (Flexibility on inspection resources used)
  - Fully qualified inspectors with option to include inspectors with specialized expertise (e.g., qualified safety culture assessor, regional inspectors)
- Scope of inspection is flexible with options to focus on problem areas
  - Charter will specify what aspects of the inspection will be performed

| Sample Type                                      | Section | Frequency*  | Sample Size | Samples | Budgeted Range |
|--|---------|-------------|-------------|---------|----------------|
| Focus area: CAP Effectiveness                    |         |             |             |         |                |
| Focus area: Licensee Audits and Self-Assessments | XX.XX   | As required | 1           | 1       | 60-80          |
| Focus area: Safety Conscious Work Environment    |         |             |             |         |                |

# NSIR Security IPs Maintained/Sunset

| Current Procedure No     | Frequency | Title   | Nominal Samples |             | Nominal Hours |
|--------------------------|-----------|---|-----------------|-------------|---------------|
|                          |           |   | Min Samples     | Max Samples |               |
| 71130.01                 | T         | Access Authorization  | 1               | 1           | 25            |
| 71130.02                 | A         | Access Control  | 1               | 1           | 28            |
| 71130.03                 | T         | Contingency Response – Force-on-Force Testing                     | 1               | 1           | 393           |
| 71130.04                 | B         | Equipment Performance, Testing, & Maintenance                     | 1               | 1           | 37            |
| 71130.05                 | T         | Protective Strategy Evaluation and Performance Evaluation Program | 2               | 2           | 89            |
| 71130.07                 | B         | Security Training   | 1               | 1           | 27            |
| 71130.08                 | T         | Fitness-For-Duty Program  | 1               | 1           | 24            |
| 71130.09                 | A         | Security Plan Changes   | 1               | 1           | 7             |
| 71130.10                 | B         | Cybersecurity   | 1               | 1           | 70            |
| 71130.11                 | T         | Material Control and Accounting                                   | 1               | 1           | 16            |
| 71130.14                 | T         | Review of Power Reactor Target Sets                               | 1               | 1           | 10            |
| New/Updated Procedure No | Frequency | Title   | Min Samples     |             | Min Hours     |
|                          |           |   | Min Samples     | Max Samples |               |
| 71130.03                 | T         | Contingency Response – Force-on-Force Testing                     | 1               | 1           | 180*          |
| 71130.10                 | T         | Cybersecurity   | 3               | 3           | 70            |
| 71130.15                 | A         | Security Operational Performance                                  | 5               | 5           | 24            |
| 71130.16                 | T         | Security Equipment Performance and Security Training              | 5               | 5           | 50            |
| 71130.17                 | T         | Design and Implementation of the Protective Strategy              | 4               | 4           | 80            |
| 71130.18                 | T         | Access Authorization and Fitness for Duty                         | 4               | 4           | 35            |

## **Elements of New/Updated Security Inspection Procedures**

- Revise IPs to refocus from verifications of compliance with individual regulatory requirements to verifications of licensee performance and compliance with the general performance objectives of 10 CFR 73.55.
- All security inspections will be triennial, except for Security Operational Performance which will be annual.
- Resident inspectors will be utilized as limited inspection team members to complete inspection requirements that do not require significant additional training. Examples include:
  - Review of licensee Target Sets and exercise observation during the protective strategy inspection.
  - Verification of testing and maintenance of licensee security power supplies during the security equipment inspection.
- Cybersecurity will remain within the security suite of inspections but will continue to be performed by regional engineering or resident inspection staff.
- Revisions to the FOF inspection program scenario development process will be contained in a later SECY to the Commission.

# NSIR Emergency Preparedness IPs Maintained/Sunset

| Current Procedure No | Frequency | Title   | Nominal Samples | Nominal Hours |
|----------------------|-----------|---|-----------------|---------------|
| 71114.01             | B         | Exercise Evaluation                                   | 1               | 64            |
| 71114.02             | B         | Alert and Notification System Testing                 | 1               | 4             |
| 71114.03             | B         | Emergency Response Organization Staffing/Augmentation | 1               | 8             |
| 71114.04             | A         | Emergency Act Level & Emergency Plan Changes          | 1               | 16            |
| 71114.05             | B         | Maintenance of EP                                     | 1               | 12            |
| 71114.06             | A         | Drill Evaluation                                      | 3               | 14            |
| 71114.07             | B         | Exercise Evaluation – Hostile Action (HA) Event       | 1               | 64            |
| 71114.08             | B         | Exercise Evaluation - Scenario Review                 | 1               | 14            |

| Updated Procedure No | Frequency | Title  | Min Samples | Min Hours |
|----------------------|-----------|--|-------------|-----------|
| 71114.01             | B         | Exercise Evaluation  | 1           | 40        |
| 71114.02             | B         | Alert and Notification System Evaluation                         | 1           | 2         |
| 71114.03             | B         | Emergency Response Organization Staffing and Augmentation System | 1           | 2         |
| 71114.04             | B         | Emergency Action Level and Emergency Plan Changes                | 1           | 6         |
| 71114.05             | B         | Maintenance of Emergency Preparedness                            | 1           | 8         |
| 71114.06             | B         | NRC Resident – Evaluation of Emergency Preparedness Program      | 3           | 5         |
| 71114.07             | B         | Exercise Evaluation – Scenario Review                            | 1           | 10        |

# Elements of New/Updated Emergency Preparedness Procedures

- IP 71114.06 (NRC Resident EP evaluations)
  - Added more sample options, this has been a recurring issue.
  - Frequency change from annual to biennial and scheduled for the off-year, i.e., the year between EP exercises.
- IP 71114.02, 71114.03, 71114.04, 71114.05
  - Schedule for the off-year, i.e., the year between EP exercises.
  - All changed to be done remotely, i.e., no travel needed (note that 71114.08 is already remote).
- IP 71114.04
  - Frequency change from annual to biennial and scheduled for the off-year, i.e., the year between EP exercises.
- PI&R
  - Remove EP from PI&R as this is being done already during the EP baseline inspections and is redundant.
- EP SDP
  - Revise to focus GTG inspection findings on only those planning standards with direct public impact.
  - Revise to enhance the section on dose assessment/radiation instrument issues based on experience and feedback.
- Everything but the exercise, could be done remotely.

# NRR/DRA Radiation Protection IPs Maintained/Sunset

| Current Procedure No | Frequency | Title   | Nominal Samples | Nominal Hours |
|----------------------|-----------|---|-----------------|---------------|
| 71124.01             | A         | Rad Haz Assess Exposure Controls  | 12              | 42            |
| 71124.03             | B         | Airborne Radioactivity  | 4               | 16            |
| 71124.04             | B         | Occupational Dose Assessment  | 6               | 20            |
| 71124.05             | B         | Radiation Monitoring Instrumentation  | 23              | 38            |
| 71124.06             | T         | Radioactive Gaseous and Liquid Effluent Treatment   | 1               | 29            |
| 71124.07             | T         | Radiological Environmental Monitoring Program   | 1               | 16            |
| 71124.08             | B         | Radioactive Solid Waste Processing & Radioactive Material Handling, Storage, & Transportation | 11              | 34            |

| New Procedure No | Frequency     | Title   | Min Samples | Min Hours |
|------------------|---------------|---|-------------|-----------|
| 71125.01         | Refuel Outage | Radiation Safety Refueling Outage               | TBD         | 38        |
| 71125.02         | T             | Radiation Protection – Remote Inspection        | TBD         | 32        |
| 71125.03         | T             | Occupational Radiation Safety Onsite Inspection | TBD         | 32        |
| 71125.04         | T             | Public Radiation Safety Onsite Inspection       | TBD         | 32        |

# Elements of New Radiation Protection Procedures

- Priorities
  - Revise IPs to better risk-inform program and maintain program alignment with the overall ROP
  - Incentivize adequate licensee response activities through the application of select low-level data
  - Reduce overall regulatory burden on licensees
- Replace existing 7 procedures with 4 (Outage Procedure , 2x On-site procedures and 1x Remote)
- Triennial cycle (frequency will be similar to IP 71111.20)
- Remote Inspection – opportunity to continue to meet import inspection objectives with less burden
- Outage procedure
  - Highest radiological risk period at plant
  - Best period to conduct risk-informed, performance-based inspection of RP program in action
- Some inspection requirements can be modulated based on licensee performance as determined by data/information sets defined in the IP. IPs will provide Region with decisionmaking tools to ensure consistent outcome in evaluating and applying “low-level data”

# Nuclear Energy Institute Letter Input

## July 31, 2025 Letter “Accelerating NRC Reform” (ML25212A197)

- Immediately approve SECY-25-0045 and in the interim, recommendations that do not require Commission approval should be implemented immediately.
- Immediately approve SECY-24-0009, “Proposed Revisions to the US NRC Enforcement Policy.”
  - Simplify and risk-inform PIs to focus on safety-significant performance gaps.
  - Streamline the SDP to eliminate the use of NRC’s SPAR models and utilize the utility PRAs.
  - Eliminate greater-than-green findings for deterministic or qualitative thresholds (EP, security, RP).
  - Risk-inform the SDP screening guidance.
    - Revise the screening guidance in IMC 0609, Appendix A to provide credit for plants that have adopted TSTF-505 and implemented risk-informed completion times (RICTs).
    - Reduce resources for completing detailed risk assessments when an AOT is extended utilizing an improved NRC process and risk management actions are implemented.
      - Revise Appendix A, C, I and M to institute off-ramps and remove the requirement to use deterministic criteria.
  - Credit licensee action for responding to Licensee-Identified and Self-Revealing findings for oversight.
  - Deterministic criteria should be risk-informed and consider defense-in-depth for findings/violations.
  - Require the staff to use the Very Low Safety Significance Issue Resolution (VLSSIR) process, when applicable.
  - Limit the time spent on low safety-significant issues and streamline documentation of the issues.
  - Overhaul and risk-inform the Traditional Enforcement guidance and implement a VLSSIR-like process for Traditional Enforcement.

\* Items marked with an asterisk and highlighted were considered in this ROP Baseline Inspection Program Revision

# Nuclear Energy Institute Letter Input

## July 31, 2025 Letter “Accelerating NRC Reform” (ML25212A197)

- Revise more than minor guidance in IMC 0612 to remove the “potential result or outcome” subjective criteria when determining if a violation is minor or more than minor.
- Eliminate White Findings and the 95001 process and simplify the 95002 and 95003 program.
- Eliminate the subjective deterministic criteria for reactive inspections and utilize a risk-informed approach.
- Sunset the current inspection report model and replace it with a more modern, efficient and transparent system that incorporates:
  - Real-time digital tracking of inspection findings
  - Quarterly summary reports for public stakeholders
  - Graded approach to documentation based on safety significance
  - Simplified documentation approach with standard templates for low safety significance issues
  - Eliminate or streamline reporting for issues of green or minor significance and rely on the licensee’s corrective action program
- Eliminate inspection finding cross-cutting attributes (CCA) from the ROP.
- Develop a risk-informed approach for grading the level of oversight for advanced reactors with demonstrated lower risk profiles to: (1) prioritize continuous self-reporting performance indicator evaluation and threshold analysis and periodic inspection, and (2) replace resident inspector mode with periodic inspectors conducting reduced baseline inspections.
  - Ensure the SDP is realistic.
- Finalize Advanced Reactor Construction Oversight Program (ARCOP) guidance.

# Nuclear Energy Institute Letter Input

## July 31, 2025 Letter “Accelerating NRC Reform” (ML25212A197)

- \*Streamline the inspection program using risk insights and incorporate performance-based principles. Eliminate low value inspection procedures and credit inspections and discontinue duplicative inspection. Problem Identification & Resolution Inspection (IP 71152)
  - Outage based inspections – Inservice Inspection and Radiation Protection Inspections.
  - Security program inspections – five of the existing security inspection procedures (e.g., Access Authorization, Access Controls, Security Plan Changes, Security Equipment, etc.).
- \*Reduce low value inspections performed by resident inspector and eliminate minimum sampling process, which will enable the elimination of regional inspectors.
- \*Revise IMC 2515, “Light Water Reactor Inspection Program Operations Phase,” (including Appendix D), to eliminate low value inspections and minimum sampling process using risk and performance-based insights.
- \*Eliminate inspections with historical performance of no or limited violations of very low safety significance – 70% of the 49 baseline inspection procedures have seen historical good performance with limited violations.
- \*Consolidate eight physical security inspections into a single inspection program and transition the majority of inspections to resident inspectors.
- \*Consolidate team and program inspections to focus on risk-informed aspects and use performance-based criteria to extend inspection cycles.
  - Extend Program Inspection cycle to 4 years – Cyber Security, Radiation Protection, Emergency Planning and Security Force-on-Force
    - Combine Security and Emergency Planning evaluated exercise and program inspection procedures

# Nuclear Energy Institute Letter Input

## July 31, 2025 Letter “Accelerating NRC Reform” (ML25212A197)

- \* Eliminate low risk and low safety inspections, documentation and administrative process to allow resident inspectors to perform risk-informed and performance-based inspections.
- \* Eliminate NRC preparation and documentation process for very low safety significance items.
- \* Eliminate and streamline inspection programs:
  - \* Revamp inspection program to be risk-informed and performance-based, focused on items of safety significance
  - \* Consolidate and eliminate 49 baseline inspection procedures by 70%.
  - \* Eliminate team engineering and program inspections (e.g., CETI, FEI and PI&R)
    - \* Consolidate and reduce security-related inspections and transition inspections to resident inspectors
- NRC should adopt a graded and risk-informed approach in establishing an advanced reactor oversight program so that inspection hours and the need for a resident inspector is a function of the safety profile and performance of a plant.

# Possible Overall Impact

| Procedure Series  | Current Program Annualized Hours | Proposed Program Annualized Hours | % Change Resource Usage |
|---|----------------------------------|-----------------------------------|-------------------------|
| <b>Reactor Safety Procedures<br/>(IP 7111 Series)</b>             | 1143                             | 800                               | -30%                    |
| <b>Emergency Preparedness<br/>Procedures<br/>(IP 7114 Series)</b> | 81                               | 73                                | -10%                    |
| <b>Radiation Protection Procedures<br/>(IP 7124 Series)</b>       | 111                              | 82                                | -26%                    |
| <b>Security Procedures<br/>(IP 7130 Series)</b>                   | 287                              | 152                               | -47%                    |
| <b>PI Review, PI&amp;R, Event Follow-Up</b>                       | 327                              | 175                               | -46%                    |
| <b>TOTAL</b>  | 1949                             | 1282                              | -34%                    |

# Timeline

| Date                           | Milestone   |
|--------------------------------|---|
| <b>Sept 18</b>                 | ROP Bimonthly Public Meeting  |
| <b>September thru December</b> | Development, Regional Review, and Issuance of Revised Inspection Manual Chapters (IMCs) and Inspection Procedures (IPs) |
| <b>Oct 4</b>                   | SECY to OEDO  |
| <b>Oct 15</b>                  | SECY to the Commission  |
| <b>December</b>                | Inspector training at December Inspector Counterpart Meetings   |
| <b>Jan 1, 2026</b>             | Issued Revised IPs for the Baseline Inspection Program go into effect (pending Commission approval of Revised ROP)      |

# New PI&R Team Inspection Procedure

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# New PI&R Team Inspection Procedure

- Entry Criteria to perform PI&R team inspection, as approved by the Regional Administrator
  - (1) Findings:
    - Two or more Greater-than-Green (GTG) findings with a PI&R cross-cutting area are issued in a 12-month period, or
    - Greater than X (this number is currently TBD) cumulative findings with a PI&R cross-cutting area assigned in any 12-month period
  - (2) Cross-Cutting:
    - Cross-cutting theme assigned in PI&R or SCWE (first occurrence) that the regional office has concerns about the adequacy of the licensee corrective actions. (See Note 1)
  - (3) Supplemental Inspections:
    - Supplemental inspection identifies and documents a significant weakness in the PI&R program which the licensee did not identify, or
    - Results of a supplemental inspection or IMC 0350 document a SCWE concern. (See Note 1)

## Notes:

- 1) The team inspection will be applicable to Columns 1, 2 & 3 of the Action Matrix. The team inspection is not recommended in Column 4 of the Action Matrix (Due to duplication in inspection effort for an IP 95003 Supplemental Inspection).
- 2) In addition, there will be two IMC 2515 App C inspections for SCWE: IP 93100 and this new PI&R team inspection. Only one of these inspections should be conducted for a SCWE issue. The regional administrator should choose the inspection that is most applicable.
- 3) A charter will be approved by the Regional Administrator that informs the inspection team what aspects of the new PI&R team inspection they will be inspecting.

# **Questions and Discussion on the Revision to the ROP Baseline Inspection Program**

# More-than-Minor Screening Criteria

Alex Garmoe  
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Reactor Assessment Branch

# More-than-Minor Screening Criteria

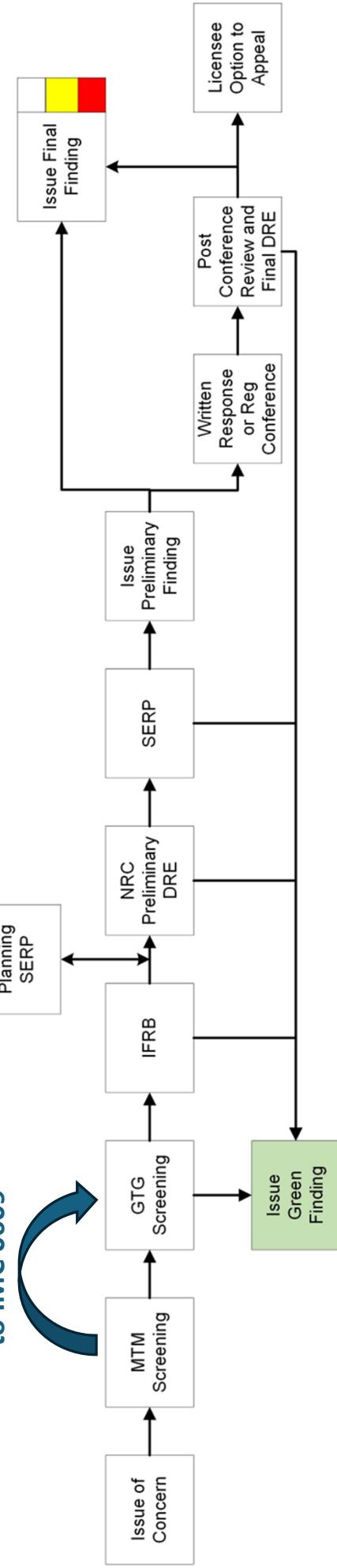
- ADVANCE ACT Section 507 prompted review of issue screening process
  - “ensure NRC’s regulatory oversight is risk-informed and performance-based”
- Prior issue screening updates implemented earlier this year
  - Expanded applicability of VLSSIR
  - Elimination of dual-path TE-ROP screening option for Green issues
- More-Than-Minor decision-making consistency and efficiency has long been a focus area
  - Questions/criteria involve subjectivity
  - Roughly 100 examples in IMC 0612 Appendix E

# More-than-Minor Screening Criteria

- Next step in ADVANCE Act Section 507-driven changes to issue screening is improving the MTM determination
  - Address the subjectivity in current criteria
  - Reduce the level of effort required to make the determination
  - Enhance consistent and predictable outcomes
- These can be achieved by relocating MTM to IMC 0609
  - Already a familiar tool that is part of issue screening process
  - Largely more objective than the existing MTM questions/criteria
  - Add a layer of inquiry to determine whether issue is Green or Minor
  - IMC 0612 Appendix E examples would be eliminated
- Review and revision of IMC 0612 and 0609 documents is underway

# More-than-Minor Screening Criteria

From IMC 0612  
to IMC 0609



# More-than-Minor Screening Criteria

- Example revisions to IMC 0609 Appendix A, subject to change as work continues

## A. Loss of Coolant Accident (LOCA) Initiators

1. After a reasonable assessment of degradation, could the finding result in exceeding the reactor coolant system (RCS) leak rate for a small LOCA (leakage in excess of normal makeup)?
  - a. If YES → Stop. Go to Detailed Risk Evaluation section.
  - b. If NO, continue.

2. After a reasonable assessment of degradation, could the finding have likely affected other systems used to mitigate a LOCA (e.g., Interfacing System LOCA)?
  - a. If YES → Stop. Go to Detailed Risk Evaluation section.
  - b. If NO, screen as Green.

3. Did the performance deficiency result in exceeding Technical Specification RCS leakage?
  - a. If YES, screen as Green.
  - b. If NO, screen as minor.

## B. Transient Initiators

1. Did the finding cause a reactor trip AND the loss of mitigation equipment relied upon to transition the plant from the onset of the trip to a stable shutdown condition (e.g., loss of condenser, loss of feedwater)? Other events include high-energy line breaks, internal flooding, and fire.
  - a. If YES → Stop. Go to Detailed Risk Evaluation section.
  - b. If NO, screen as Green.

2. Did the performance deficiency cause a reactor trip or a plant transient greater than 10% reactor power without the loss of mitigation equipment or support systems?
  - a. If YES, screen as Green.
  - b. If NO, screen as minor.

# **Questions and Discussion on the Revision to the More-than-Minor Issue Screening Guidance**