

# Degraded and Unanalyzed Condition (DUC) Reporting Guidance Supplement 2 Update

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# Background

2018 Petition for Rulemaking: Eliminate Non-emergency Reporting (50.72)

December 2022: Published Regulatory Basis recommending NUREG 1022, Revision 3, Section 3.2.4 - Degraded and Unanalyzed Condition (DUC) reporting guidance update

June 2023: NRC initiated action to update existing DUC guidance in parallel with rulemaking (publish 18-months ahead of final rule)

August 2023: Held Public Meeting with Industry to gather feedback on where clarity in current DUC guidance is desired

# Expected Schedule

Proposed  
Supplement 2  
draft complete

Comment  
Resolution  
and final  
concurrence

April 2024

September  
2024

March 2024

July 2024

Draft Supplement  
issued for public  
comment

Publish Final  
Supplement 2



# Most Significant Proposed Change

- Addition of Time of Discovery Definition

*Basis:*

1. Conditions may occur where additional evaluation is required to determine severity of degradation
2. 10-year data analytics review confirmed elevated retraction rate for DUC reporting
3. Allowing additional time – commensurate with significance – will reduce retractions



# Time of Discovery Now Defined

- The moment when a degraded or unanalyzed condition occurs, such as those discussed in paragraph 2.2, “Examples”, or is found to have occurred
- If the existence of a seriously degraded principal safety barrier or unanalyzed condition that significantly degraded plant safety cannot be readily determined when it occurs or when it is found to have occurred, and additional evaluation is needed, then the moment when that evaluation supports the existence of such a condition



# Additional Enhancements

- Incorporated 10 CFR 50.69 Risk-Informed Safety Class (RISC)
- Reorganized discussion of voiding accumulation and credit of previously analyzed conditions to clarify threshold for reporting
- Provided 2 additional examples of non-reportable events:
  - Events tied to a shared dependency among trains or channels that is a natural or expected consequence of the approved plant design
  - Events tied to normal and expected component and or system wear



# Opportunity for Feedback

- Look for it here soon (April):  
<https://www.regulations.gov>
- The NRC encourages electronic comment submission through the Federal rulemaking website. Please include Docket ID NRC-2024-0037 in your comment submission