

A large, stylized graphic of an atomic symbol, consisting of a light blue sphere and three intersecting elliptical orbits, is positioned on the left side of the slide, partially overlapping the blue header and the white content area.

## **Natural Phenomena Hazards: Closure Process of Generic Letter 2015-01**

**March 16, 2016**

**Jonathan Marcano**



## Background

- Generic Letter (GL) 2015-01 was issued on June 22, 2015 (ADAMS ML14328A029).
- Interim Staff Guidance (ISG) FCSE-ISG-15 was issued on July 7, 2015 (ML15121A044).
- Purpose of the GL is to verify that the approved Integrated Safety Analyses (ISAs) address the impacts of natural phenomena hazard events.
- Regulations in 10 CFR 70.62 (c)(1) require:
  - Licensee shall conduct and maintain an ISA
  - ISA identifies potential accident sequences including the effects from natural phenomena events

# Background

- Information requested in the GL includes:
  - Definitions of “unlikely,” “highly unlikely,” and “credible” for NPH events
  - Integrated Safety Analysis
    - Likelihood and magnitude
    - Accident sequences
    - Consequences (performance requirements)
    - Items Relied on for Safety
  - Description of changes to hazards applicable to site with facility design basis
  - Summary of the results of any walk downs (e.g. evaluation of degraded conditions)
- NRC received all licensees’ responses and a team composed of members from NMSS and CNWRA is currently evaluating the responses.

## Technical Evaluation

- The staff will evaluate the licensees' responses to determine whether there is reasonable assurance that the licensees' approved ISA methodology adequately addresses NPH events such that the performance requirements are met.
- The staff will prepare a written evaluation of their findings and formally issue it to the licensee by letter.

# Inspection

- Temporary Instruction (TI) 2600-016 was issued on December 17, 2015 (ML111030453).
- The TI was developed to independently verify the licensee's implementation of the GL responses.
- All licensees of operating facilities will be inspected using the TI and an inspection report will be issued.
- For licensees with URIs, the TI will provide the mechanism for closure.

## Closure process of Generic Letter 2015-01

- GL closure strategy described in ML15195A474.
- Closure strategy consists of 3 parts:
  - Evaluation of licensee responses
    - Issue request for supplemental information
    - Conduct site visits
    - Issue technical evaluation
  - Perform TI inspections
    - Issue inspection report, close URIs (if necessary)
  - Issue closure letter to licensee
- Goal of completing GL closure activities (review of responses, site visits, and inspections) by end of 2016.



## **TI 2600/016, "Inspection Activities Associated with NRC Generic Letter 2015-01"**

## Slide 7

---

### LO3

I do not think that we need slides #7, 8, 9. Only slide #10

Lopez, Omar, 3/3/2016



- Verify compliance with NPH/ISA regulatory requirements
- Results used to independently verify implementation of plant modifications and ISA changes as documented in responses to GL
- Used to close open URIs
- Inform closure process of GL 2015-01

## TI 2600/016

- Applies to all licensees that provided a written response to NRC Generic Letter (GL) 2015-01
- Inspection Guidance
  - Assessment of the potential accident sequences and consequences as a result of impacts to facility structures and internal components from NPH
  - Prevention and/or mitigation strategies.

## Slide 9

---

**LO2**

Lopez, Omar, 3/3/2016

## **Inspection Team**

- DFFI Team Lead (OPS/PPM)
- DFFI inspector (NCS/ISA)
- DFFI inspector (EP) – as needed
- HQ Specialized Expertise

## **Support Staff**

- HQ Project Mgr. – licensing questions
- HQ Tech. Reviewers – ISA methodology questions
- Other Technical Experts

A large, stylized graphic of an atomic symbol, consisting of a light blue sphere and three intersecting elliptical orbits, is positioned on the left side of the slide, partially overlapping the blue header and the orange footer.

## Questions