

# ***Diablo Canyon Power Plant, Units 1 and 2***

## ***Eagle 21 Plant Process Protection System, Digital Instrumentation and Control Upgrade***

### ***Pre-Licensing Meeting #3***

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**U. S. Nuclear Regulatory Commission (US NRC)**

**San Luis Obispo, CA**

**February 3, 2011**



# ***Agenda***

- **Purpose**
- **Meeting Context**
- **Discussion Topics**
- **Licensee Presentation**
- **Closing Remarks**



# *Purpose*

- This is an informational meeting
- Pacific Gas & Electric Company (PG&E - the licensee) will present to the NRC its license amendment request submittal status and potential submittal content with pertinent technical detail
- The NRC will participate in discussions with the licensee to facilitate its expected review of the anticipated submittal
- No decisions or opinions will be made today



# ***Meeting Context***

- **The NRC staff recently issued Revision 1 of Digital Instrumentation & Control (Digital I&C), Interim Staff Guidance (ISG)-06, “Licensing Process” on January 19, 2011:**
  - **This describes the licensing process that may be used in the review of license amendment requests associated with digital I&C system modifications in operating plants originally licensed under Part 50.**
  - **[Agencywide Documents Access and Management System (ADAMS) Accession Nos. ML110180006 and ML101800172]**



## ***Meeting Context, cont.***

- **Two pre-licensing public meetings were held previously between PG&E and the NRC in Rockville, MD:**
  - **August 27, 2009; the initial phase 0 meeting (as required per ISG-6) discussed:**
    - **Project scope**
    - **Diversity of required actions**
    - **Cross-channel communications**
    - **The use of a non-safety related maintenance terminal**
    - **Safety to non-safety related system communications**
    - **The Class I to Class II boundary**
    - **Software development**
    - **NRC raised questions related to cyber security, software quality assurance, and the submittal schedule**

**[Noticed and summarized in ADAMS Accession Nos. ML092090415 and ML092450476]**



## ***Meeting Context, cont.***

- **March 3, 2010; this second phase 0 meeting expounded on topics from the first meeting and addressed NRC questions with the following updates:**
  - **Project scope clarification**
  - **Referencing of the Advanced Logic Systems (ALS) topical report for the review of the diversity of required actions**
  - **Enforcement mechanisms for safety to non-safety related system communications**
  - **Vendor to perform software development**
  - **Review of cyber security approach in accordance with NRC guidance**
  - **PG&E questions to the NRC regarding use of the maintenance terminal, loop maintenance consideration, and this review as a Tier 1 review (per ISG-6)**

**[Noticed and summarized in ADAMS Accession Nos. ML100110526 and ML101260206]**



## ***Meeting Context, cont.***

- **February 3-4, 2011 is the third pre-licensing, phase 0 meeting between the NRC and PG&E:**
  - **Feb 3: Today is the public discussion to review the discussion topics in the next slide**
  - **Feb 4: Tomorrow, the NRC staff will participate in an on-site plant tour (closed to the public) where PG&E will:**
    - **Display in-plant equipment conditions**
    - **Illustrate upgraded equipment layout**
    - **Review plant equipment configurations**



# Discussion Topics

- Introductions
- ISG 6 update
- Project plan and schedule
- Proposed license amendment request

## **Public questions**

- Technical Topics
- Factory acceptance test

## **Public questions**

- Closing remarks
- Adjourn

***\* The intention is to move to the following topic as the previous is completed.***

***\* We anticipate a mid-morning and mid-afternoon break with a working lunch at approximately midday.***

***\* Breaks for public participation will occur between the topics described to the left***





# *Licensee Presentation*







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