



NRC – ESBWR DCWG Meeting June 11, 2008

New Security COL Information

Secondary Alarm Station



New Security COL Information

■ Meeting Objectives

- Review NRC comments on proposed DCD COL items from 5/13/2008 NRC-ESBWR DCWG meeting
- Present revised DCD COL items to address NRC comments
- Present revised COLA content to address the revised COL items
- Obtain NRC feedback

New Security COL Information

As originally presented on 5/13

- **DCD 13.6-7-H:** The COL Holder shall identify the location and the basic design requirements of the Secondary Alarm Station (SAS)
- **COLA:** As part of the development of the plant specific design, the licensee will define the location and the basic design requirements of the SAS . . . to support operation of the SAS prior to the milestone for Physical Security Plan implementation (Table 13.4-201)



New Security COL Information

As originally presented on 5/13

- **DCD 13.6-8-H:** The COL Holder shall design the security system such that no single postulated security event will disable the capability of both the Central and Secondary Alarm Stations. This will include the power supplies to both alarm stations.
- **COLA:** The licensee will demonstrate through a one time test, analyses, or a combination of tests and analyses, that no single postulated security event will disable the capability of both the Central and Secondary Alarm Stations . . . will be completed prior to the milestone for Physical Security Plan implementation (Table 13.4-201)



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- NRC requested further information on the design of the SAS to determine that it meets minimum requirements (13.6-7-H)
- NRC requested further information on the independence of the CAS and SAS to determine that no single credible event could disable the capability of both (13.6-8-H)
- NRC did not want detailed design, but sufficient description to verify that the design will meet the requirements
- Based on NRC feedback, GEH revised the COL Holder items in DCD Rev. 5 to create a new COL applicant item and a new COL holder item



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- **DCD 13.6.7-A:** The COL applicant shall identify the location and the basic design requirements of the Secondary Alarm Station (SAS). The applicant shall provide a qualitative description of how no single postulated security event could disable both the CAS and SAS including their power supplies.
- **COLA:** Specific wording is being developed with the industry and is security-sensitive.



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- **DCD 13.6-8-H:** The COL Holder shall demonstrate that the design of the security system precludes any single postulated security event resulting in an unacceptable degradation of the site security staff's ability to monitor and direct the response to a security event from either the CAS or SAS. This will include the power supplies to both alarm stations.
- **COLA:** The licensee will demonstrate through a one time test, analysis, or a combination of tests and analyses, that no single postulated security event will disable the capability of both the CAS and SAS. This demonstration will be completed prior to the milestone for Physical Security Plan implementation (Table 13.4-201)



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- Questions?