

DOE-STD-1189-2008 Workshop Panel Discussion Points

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Development and Maintenance of the Safety Design Strategy

- ◆ Fluor has produced two Safety Design Strategies (SDS)
 - Sludge Treatment Project
 - Solid Waste Processing Facility (M-91) Project
- ◆ Start drafting the SDS early
 - Gather whatever information exists
 - Even if you think you don't have enough...you probably do
 - Use the Safety Design Integration Team for ideas, reviews, approvals

Development and Maintenance of the Safety Design Strategy

- ◆ Work with DOE
 - Gain agreement on key points early
 - Determine appropriate level-of-detail
 - Will vary by project and project phase
 - Expect different opinions on level-of-detail
 - Both internal and external

- ◆ Keep it current
 - It is expected to be a “living” document

Major Modification Evaluations

- ◆ Fluor has not exercised major modification determination criteria in the Standard
- ◆ Projects already in progress had been determined to meet criteria for a Preliminary Documented Safety Analysis

Formation and Operation of the Safety Design Integration Team

- ◆ Experience with Safety Design Integration Teams (SDITs) on two projects
 - Sludge Treatment Project
 - Solid Waste Processing Facility (M-91) Project
- ◆ Both were managed by a single nuclear safety organization
- ◆ Started functioning in September 2007
- ◆ Membership for each project tailored
- ◆ Specific primary and alternate members are named

Formation and Operation of the Safety Design Integration Team

- ◆ Established by formal charter that defines:
 - Mission
 - Composition
 - “Core” team and supporting specialists
 - Responsibilities
 - Decision making guidance
 - Description of expected meetings
- ◆ Two types of meetings established
 - Administrative
 - Technical

Formation and Operation of the Safety Design Integration Team

- ◆ Administrative meetings
 - Held monthly (at a minimum)
 - Cover topics such as overall project status, on-going status of significant technical issues, items identified by SDIT or project team members
 - Serve as a good forum for monthly information exchange/status
 - Meeting minutes are issued and document any follow-on actions identified

Formation and Operation of the Safety Design Integration Team

- ◆ Technical meetings
 - Called to address specific technical issues and topics
 - SDIT “core” team is the required quorum
 - SDIT used as required “core” for hazards analysis meetings, control decisions, key alternatives meetings, etc.
- ◆ Meeting attendees include SDIT, DOE, DNFSB, and other project personnel