



9.3 Ground Movement (sink holes or geo-sliding)

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Description: Ground movement caused by sink holes and/or dissolution of the limestone under the containment can result in lack of foundation support.

Data to be collected and Analyzed:

1. Geo-technical report – Gilbert Geotechnical Study Section 1.2.11 (1971) (FM 9.3 Exhibit 1)
2. FSAR Chapter 2 Section 2.5.7.2 (FM 9.3 Exhibit 2)
3. E-mail from Glen Pugh to Craig Miller (FM 9.3 Exhibit 3)
4. Buttress and Dome Survey Data (FM 9.3 Exhibit 4)

Verified Refuting Evidence:

- a. The limestone supporting the containment was cement grouted to assure the continuity and integrity of the material. (FM 9.3 Exhibit 1)
- b. There is no record of an observation of building cracking or sinkhole consistent with FSAR conclusions. (FM 9.3 Exhibits 2 and 3)
- c. The Buttress and dome survey data show that the containment structure remains plum and the containment has not settled. (FM 9.3 Exhibit 4) See FM 1.5 for a more detailed discussion.

Verified Supporting Evidence:

None

Conclusion: There is no indication of containment settlement sufficient to cause added, asymmetrical stress in the containment.

May identify additional perspective on this issue as RCA-related efforts proceeds

03/17/2010

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