

REPORT OF CONCRETE VOID

This interim report is made pursuant to 10CFR50.55(e) regarding a concrete void in the Wolf Creek Reactor Building.

(a) Description of the Deficiency

On December 13, 1978, when the form for the sixth ring pour of the Wolf Creek Reactor Containment Building was raised, a void beneath the equipment hatch was revealed. The void extends downward from the bottom of the equipment hatch to the top of the fifth ring pour at elevation 2043'-10". The sides of the void slope upward away from the hatch centerline. The width of the void is approximately six feet and the depth of the void extends through the thickness of the wall.

(b) Identification of the Firm Constructing the Facility

Concrete production and placement for all Power Block Buildings at Wolf Creek is performed by Daniel International.

(c) Analysis of Safety Implications

Because of the dimensions and location of the void described above, it is impossible that the void could remain unseen and thus remain unrepaired until the structure would go into service. However, if it is postulated that the void remained undetected, it would have most probably been detected at the time of tendon tensioning (which occurs prior to operation) because of excessive deformations as a result of tendon load. Repair of the void will meet all design requirements and no adverse effect to the health and safety of the public will result because of this void.

(d) A Description of the Corrective Action, Organization Responsible for the Action, Measures to Prevent Reoccurrence

The occurrence of the void has been documented on Nonconformance Report LSN0719C by Daniel and forwarded to the A/E, Bechtel Power Corporation, for dispositioning in the established manner. As of this date the details of how the repair will be made have not been forwarded to the site by the A/E. When the A/E approved disposition is received, it will be reviewed with NRC Region IV personnel prior to proceeding with the repair work.

The repair work will be performed by Daniel.

To enhance the effectiveness of the Wolf Creek QA Program and especially to reduce the likelihood of additional concrete placement problems

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the eleven step program as described in Mr. K.V. Seyfrit's letter to Mr. G.L. Koester dated December 19, 1978, has been undertaken. The attached report indicates the status of all eleven items and describes the findings of Daniel's Ad Hoc Committee. This report and Mr. H.W. McCall's letter of January 11, 1979, also indicate the actions which have been and are being taken as a result of the Committee's review.

To provide a further review of the QA Program as carried out by KG&E and Daniel, an independent consultant will be retained by KG&E/KCPL to make a long term investigation of the construction QA Program, its implementation and its effectiveness. The consultants work will include recommending changes to correct any inadequacies which might be identified. It is planned to start this independent review as soon as a suitable consultant can be selected.