



UNITED STATES  
ATOMIC ENERGY COMMISSION  
WASHINGTON, D.C. 20545

JAN 21 1971

*Mr Engelken*  
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*O'R/Staff*

W. Seidle, Senior Reactor Inspector, Region II, CO  
THRU: H. R. Denton, Chief, Technical Support Branch, CO

*W. Seidle*

ASSIST INSPECTION - TURKEY POINT 3 - DOCKET NO. 50-250

The enclosed report contains information about repairs to the dome of Unit No. 3 obtained during an assist inspection of this facility on January 13 and 14, 1971. This inspection was conducted at the request of C. Long of DRL<sup>1/</sup>.

The North-South meridional construction joint was examined where exposed on the dome and no voids, cracks or poor bonding to the expanded metal was observed. Some cores taken along the joint were examined and it was not possible to detect any voids or poor construction. It was not possible to examine the documentation of that portion of the concrete which has been removed because it was being used at a meeting with DRL and DRS in Bechtel's offices in Gaithersburg, Maryland.

Observations of the repair in progress indicate extensive damage to the tendon wires, tendon sheaths, and reinforcing bars. This damage appears attributable to improper supervision of the people removing concrete with jack-hammers and the use of unproven and untried methods of removing damaged sections of tendon sheathing.

The licensee's examination of the tendons, once the sheathing is cut away was at best superficial. To date none of the tendons have been removed so that a detailed examination of all wires could be conducted. In our opinion, if the wires of such tendons are not removed detection of all damaged wires is extremely difficult. For tendons indicating penetration of the jack-hammer point into the wire bundle, we recommend removal of the tendon to assure detection of damaged wires. Each such wire should either be removed or its use justified by an engineering disposition.

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Memo from C. Long to J. P. O'Reilly dated 1/8/71.

*X Inspection*

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Other items of concern are the evaluation of the damaged and cut reinforcing bars; repair or replacement of the damaged and deformed tendon sheaths; removal of debris which has been forced into the wire bundle; proper cleaning to protect the tendons against corrosion and further damage from entrapped debris and moisture.

On January 15, 1971 a briefing was conducted with DRL and DRS to discuss the inspection findings.

*HR Clinton for*

L. L. Beratan  
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