

DEC 19 1978

MEMORANDUM FOR: J. Carl Stepp, Chief
Geosciences Branch, DSE

THRU: L. W. Heller, Leader
Geotechnical Engineering Section
Geosciences Branch, DSE

FROM: John T. Greeves, Geotechnical Engineer
Geotechnical Engineering Section
Geosciences Branch, DSE

SUBJECT: SUMMARY OF MEETING TO DISCUSS DEWATERING
WELL CAVITIES - SAN ONOPRE NUCLEAR
STATION, DOCKET NOS. 50-361/362

On Friday December 1, 1978, I met with representatives of Southern California Edison (SCE), their consultant Woodward-Clyde and Bechtel Power Corporation to discuss the status of the dewatering well cavities. The meeting was held in Bechtel's San Francisco office and a list of attendees is enclosed.

In summary, Wells 1, 2, 3A, and 9 have been filled with concrete and no evidence of cavities was encountered. Demobilization work at Well 8 is complete and has been described in the August, 1978 report on Well 8. Recent investigative work on Wells 3, 4, 5, 6 and 7 was reviewed during the meeting.

Most of the discussion centered around the cross hole seismic survey procedure for cavity detection. This technique has been used at Well 3 and the data from the cross hole seismic survey has been used to evaluate this procedure for cavity detection. The analysis of the data indicates that the wave form and the arrival of the P-wave can be used to detect cavities. In addition to Well 3, Wells 4, 5 and 10 will be investigated with this technique.

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Preliminary profiles and contour maps of the Well 6 investigation were presented and discussed. Documentation of the exploration grouting program at Well 6 is in preparation and will be submitted in January. Buried utility ducts near Well 7 have caused problems with drilling exploration holes. A shallow excavation was made to expose the utilities and avoid this problem. The exploration grouting program for Well 7 should be completed by the end of December.

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DOCKET FILE (50-361/362)
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John T. Greeves, Geotechnical Engineer
Geotechnical Engineering Section
Geosciences Branch
Division of Site Safety and
Environmental Analysis

Enclosure:
As stated

- cc: w/enclosure
- R. Denise
- D. Vassallo
- K. Kniel
- L. Hulman
- W. Bivins
- L. Heller
- H. Rood
- R. Jackson
- A. Cardone
- L. Knupple, C/E
- PDR
- Local PDR
- ACRS (18)
- J. Knight

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SURNAME >	JTG:Greeves	LS:10				
DATE >	12/19/78	12/19/78				

Meeting
December 1, 1978

SONGS 2 & 3 Dewatering Well Investigation

Attendees	Organization
D. B. Schone	SCE
J. K. Yann	SCE
L. G. Hersh	BPC
J. A. Barneich	WCC
R. D. Hinkle	SCE
H. S. Smith	SCE
J. Gallerani	BPC
R. L. Blodnikar	BPC
A. B. Arnold	BPC
W. Ferris	BPC
J. T. Greeves	NRC