

D. Hood

RECORD OF TELEPHONE CONVERSATION

DATE: May 18, 1981 PROJECT: Midland
RECORDED BY: Joseph D. Kane CLIENT: _____
TALKED WITH: CPCo COE Bechtel NRC
D. Budzik W. Otto N. Swanberg D. Hood
R. Ramunjam H. Singh B. Paris R. Knop
R. Teuteberg J. Kane
F. Hawkins

ROUTE TO: FOR INFORMATION

G. Lear
L. Heller
D. Hood
W. Paton
R. Gonzales
J. Kane
H. Singh, COE

MAIN SUBJECT OF CALL: PERMANENT PLANT DEWATERING (REFER TO J. W. COOK'S LETTER OF APRIL 24, 1981 TO HAROLD R. DENTON)

ITEMS DISCUSSED:

1. Consumers Technical Specification 7220-C88 on Area Dewatering which was an enclosure to J. W. Cook's April 24, 1981 letter. - Recommendations from the review of Spec. C88 by the COE and GES were given to CPCo and Bechtel in this conference call. CPCo had requested that NRC review Spec C-88 in order to convince the Staff that installation of the 20 back-up interceptor wells (B-1 through B-20) would be completed in an acceptable manner. Recommendations and modifications on Spec C88 included the following:
 - a. Page 7, Par. 6A 1. Paragraph requires revision to include the well installation operations, other than monitoring of fines, that are to be Q-listed. Requiring the installation of wells to be conducted under the supervision of an experienced geologist/hydrogeologist will be covered by Bechtel in Par. 10 D.2.a. The laboratory method for determining the quantity of soil particles in the well discharge water should be added to the Spec. The method is "Standard Methods for the Examination of Water and Wastewater," Total Suspended Matter (nonfilterable residue), 13th Edition 1971.

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- b. Page 7, Par. 6A 2. Clarification by Bechtel is required on how the "average" quantity of fines in the well discharge water is to be established. NRC cautioned against the adoption of a cumulative average that would obscure the need for corrective action should loss of soil fines begin to develop in any well.
- c. Page 8, Par. 6A2, lines 3 and 11. Consumers has accepted the 0.005 mm filter medium previously recommended by the NRC. Changes to 0.005 mm are now required in the Spec.
- d. Page 8, Par. 6A2, lines 22-25. Clarification by Bechtel is needed on "average" ratio of fines. Consideration is to be given in establishing variable limits of fines for varying amounts of water pumped.
- e. Page 9, Par. 6A4, line 4. Delete words "information only and is not to be part of".
- f. Page 9. Paragraphs 6A.3, 7 and 9 are missing from Spec C-88 because of Bechtel's desire to separate requirements on a temporary construction dewatering system from a permanent dewatering system. Consumers and Bechtel to reconsider the need for having totally independent specifications. NRC to be notified of their decision.
- g. Page 10, Par. 10C. The later ASTM standard F480-80 will be used and correction to this referenced code will be made. The previously identified test standard in item a is to be added to Par. 10C.
- h. Page 11, Par. 10D3, line 10. Bechtel indicated that their experienced geologist will classify the soil samples taken during the drilling of the wells. NRC indicated that there is a need to add a requirement to this paragraph which will require, as a minimum, an approved method of continuous sampling in every fourth well (approximately 100 foot length) in the depth interval where the filter pack is to be placed to verify the adequacy of the filter pack gradation. Sailer sampling is not an acceptable method. SPT sampling would be acceptable. Bechtel to meet with their dewatering contractor and attempt to establish a sampling method that would be acceptable to the NRC staff.
- i. Page 11, Par. 10D2b). Bechtel indicated that well installation information not listed in this paragraph would be recorded on their pumping well construction summary form which was included as an enclosure to the April 24, 1981 letter. No further action is required.

- j. Page 13, Par. 10F, 1a and 1c. The NRC staff requested that "controlled jetting" noted in this paragraph be expanded to require the following:
 - (1) Casing shall be required to be placed in the hole during jetting.
 - (2) The jetting will be restricted to bottom discharge only and will be performed from within the bottom of the casing.
 - (3) The return of the drilling water within the casing will be required at all times during drilling.
 - (4) Low jetting pressures as necessary to slowly advance the well hole are required to be used.
- k. Page 13, Par. 10F, 2b. Placement of the filter pack by tremie pour, rather than pouring from the ground surface, is required to avoid segregation.
- l. Pages 14 and 15, Par. 10G and 10H. The change in filter medium size requires the changing of the word "sand" to "soil particles" in several locations in these paragraphs.
- m. Page 14, Par. 10H 1. Change 0.05 mm to 0.005 mm.
- 2. The NRC staff indicated that the submittal of a revised C88 specification which incorporated the recommendations and modifications discussed in this conference call would permit the Staff to indicate to the ASLB that the Staff had no objections with Consumers proceeding in the installation of the 20 back-up interceptor wells.
- 3. Details of a meeting between Consumers, Bechtel and NRC Region-III, I&E were to be worked out following this week's inspection at Midland. The purpose of the meeting is to work out a Q/A program for the installation of the 20 wells.