

## RECORD OF TELEPHONE CONVERSATIONS

Dates: June 3 & 5, 1981 Project: MidlandRecorded By: Joseph D. KaneTalked With: On June 3, 1981

<u>CPCo</u>	<u>Bechtel</u>	<u>NRC</u>
N. Leech	A. Boos	R. Landsman
R. Ramunjam	B. Paris	J. Kane
	C. Russell	

On June 5, 1981

<u>CPCo</u>	<u>Bechtel</u>	<u>NRC</u>	<u>COE</u>
N. Leech	N. Swanberg	R. Landsman	H. Singh
R. Ramunjam	C. Russell	J. Kane	
	B. Paris		
	R. Abler		

Route To: For Information

G. Lear  
 I. Heller  
 D. Hood  
 W. Paton  
 R. Gonzales  
 J. Kane  
 H. Singh, COE  
 R. Landsman, I&E, Region III

Main Subject of Call: PERMANENT PLANT DEWATERING (REFER TO J. W. COOK'S LETTER OF MAY 28, 1981 TO H. DENTON)

Items Discussed:

1. Consumers revised Specification C-88 (Revision 8) and Bechtel's Quality Control Program on Area Dewatering System which were enclosures to J. W. Cook's May 28, 1981 letter. The following items were discussed:
  - a. Consumer's request for NRC concurrence to proceed with installation of the backup interceptor wells is limited to wells designated B-1 through B-20 as shown on Figure 47-11 in "Responses to NRC Requests Regarding Plant Fill."

- b. The borings and continuous SPT sampling in the depth interval where the filter pack is to be placed (borings located at every fourth well) were completed June 2, 1981. Gradation tests on recovered samples are now to be completed and the results made available to NRC to demonstrate that foundation soils are acceptably protected by the specified gradation.
- c. Page 12, Par. 10.D.4.b)2. To assure that representative discharge water samples are taken for measurement of soil particles, Consumers will require their dewatering Subcontractor to locate the overflow line at a location that permits representative water samples to be collected. I&E to check the overflow line location when it is installed.
- d. Pages 12 and 13, Par. 10.D.4)b)2. Bechtel defined the "accumulative quantity of soil particles" to be equal to:

$$\begin{array}{rclcl} \text{Amount of flow} & & \text{Recently measured} & & \text{Amount of flow} & & \text{Average soil} \\ \text{(in gallons)} & & \text{soil particles (ppm)} & + & \text{(in gallons)} & & \text{particle} \\ \text{pumped since} & \times & & & \text{pumped previously} & \times & \text{measurement (ppm)} \\ \text{last reading} & & & & & & \end{array}$$

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Total amount of flow (in gallons) pumped since start-up

NRC indicated this accumulative averaging method could obscure the need for corrective action should loss of soil fines begin to significantly develop in any one well. NRC also expressed concern that the specification required only "alerting" of the Subcontractor when the accumulative quantity exceeded 10 ppm and did not define what actions would be taken. NRC also requested that a time interval be included in the specification for removal or repair once an individual well had been identified as being unacceptable. A revision to Specification C-88 will be provided by Consumers and will indicate the following. The "accumulate quantity" approach will be dropped. In its place Consumers indicated that the Monday and Thursday tests on the total dewatering system will require a limit of 10 ppm on soil particles. If any test result indicates 10ppm has been exceeded, there would be an immediate retest. If the retest confirms that the soil particles are exceeding 10 ppm, there would be an immediate systematic testing of each individual well. Any individual well found to produce greater than 10 ppm would be repaired or removed from the system within 24 hours of the initial test.

- e. Page 13, Par. 10.D.4)c). The sentence requiring repair or removal within 24 hours will be added to this paragraph.
- f. Page 13, Par. 10.D.4)d). The existing Par. d will now become Par. e and the previous requirements on purging the tank will be restored and will constitute Par. d.

- g. Page 14, Par. 10.E.1)d). The gravel pack to be used in the installation of wells will be packed and delivered in bags, consequently, particle size segregation should not be a problem. The spec will be revised to require the gravel pack to be washed and contain no clay or calcareous particles. In addition to submitting gradation verification from the manufacturer, Consumers will run at least two gradation tests (one at delivery time and once during installation of the tenth well). The estimated quantity of required gravel pack is 25 cubic yards. Appropriate revisions to the Quality Control Inspection (QCI) and Project Inspection Plan and Report programs are to be made for these changes.
  - h. The specification will either be revised or expanded to address the concerns raised by I&E concerning acceptable quality of well screens and casing, approved type of pipe connections and grout mix.
  - i. The QCI program will have an addition that requires an accurate record to be kept on the amount of gravel pack actually placed and consolidated in each well installation.
2. NRC requested that a revised Specification C-88 and a revised Q/A program which incorporated the discussions and recommendations of the June 3 and 5 calls be submitted to I&E, COE and NRR. It was indicated by both the Staff and Consumers that all issues appeared to be resolved and that the Staff would be in a position to concur with Consumers proceeding with the well installations upon receipt and favorable review of the revised Specification and Q/A program.