

NRC DIESEL GENERATOR BUILDING SOILS INVESTIGATION  
at the Midland, Michigan, Project Site

Interviewers: Gene Gallagher, NRC Soils Specialist  
G. A. Phillip, NRC Investigation Specialist

Interviewee: <sup>REC USTRES</sup> John Speltz, U.S. Testing Site Project Supervisor

The following notes were generated from notes taken by John Speltz during an interview in the Consumers Power Company conference room on 12/14/78.

Q.) Did you see a conflict in C-210 (earthwork specification) between BMP (Bechtel Modified Proctors) and ASTM D-1557?

A.) Yes, there was an area of concern in section 13.

Q.) What criteria were you working to?

A.) The BMP, as indicated on our reports.

Q.) What is your period of activity on site?

A.) Since December, 1976.

A letter to Church (Subcontracts) from Valenzano (Engineering) of 6/10/74 was shown. Section 13.7 of C-210 was pointed to in the letter.

Q.) What does modified Proctor mean to you?

A.) ASTM D-1557 modifying ASTM D-698.

Q.) Do modified Proctor, BMP, and D-1557 mean the same?

A.) No.

Q.) Does BMP and modified Proctor mean the same?

A.) No.

Showed telecon Hook (Bechtel Q.A. onsite) to Rao (Ann Arbor, Project Engineering), October, 1977, and telecon Teague (Lead Civil Field Engineer) to Rao, October 10, 1977 (copy attached), noting that either D-1557 or BMP can be used.

Q.) What was your source of direction on this?

A.) Verbally, as mentioned in a note on top of the original of the telecon.

Q.) Do you feel Hook or Teague were responding to you (John Speltz)?

A.) No, not to me directly.

Q.) Who would respond to you with this information?

A.) Bechtel Q.C.

Q.) Why is the response so late? → *up: Oct 10, 77 late*

A.) I have no information on that.

Q.) Were there other areas where soil work was going on?

A.) What work are you referring to?

Q.) Were there Q.A. problems in soils at this time?  
A.) I believe that Bechtel Q.A. and Consumers Power Company Q.A. were active in soils during this time period (fall of 1978), but I have no specific recollection.

Q.) Is the BMP and type of materials specified for the Diesel Generator fill normal for construction?

A.) I had no interface with Project Engineering and Design.

Showed QCIR-SC-1.05 (a Bechtel Q.C. report form).

Q.) Are you aware of Q.C. field activities and responsibilities in soils?

A.) I am aware that they have a program and functions to fulfill, but not of their specific requirements.

Q.) Do you think that Canonie was aware of the specification for compaction and what it was being tested for?

A.) I have no specific knowledge, but assume that they were aware of their job requirements.

Q.) Was Bechtel working soils in addition to Canonie during this time period (1977)?

A.) Yes.

Q.) When did Canonie quit working?

A.) In 1977, there was a big push to be off site for deer hunting season which began November 15th.

Q.) Why are you working to D-1557 now?

A.) Q.C. direction with a memo from Cheek to Siple of 9/29/78 (copy attached).

Q.) What is random fill?

A.) It could be any of several types of material.

Q.) Why would they call random fill just clay?

Cheek to Siple memo was shown. The statement "Random Fill (Clay)" was pointed out.

Q.) If it could be other materials, why would he (Cheek) define it as clay?

Q.) Did he know the difference?

A.) My interpretation of this memo was that it was addressing testing and that he was distinguishing test procedures for granular vs. cohesive soils.

Q.) Do you have anything you wish to add to this discussion?

A.) No.