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October 31, 1975

TO: R. F. STEWART (3)

FROM: E. S. SCHWEITZER

STAFF MEETING NOTE

Project 1772 - Old Hickory - DMT 7
Corrosion of Insulated C/S Pipe

During the week of October 6, severe corrosion was found on a piece of carbon steel pipe from which insulation had been removed for pipe rework. The corrosion was to a depth of about a third of the wall thickness. The insulation was saturated with water.

Additional pre-insulated pipe has been inspected. The following summarizes the current situation:

1. Corrosion has occurred only where the insulation has become significantly wet (and not always even though wet).
2. The corrosion is most serious in SW2F pipe (limited to 1" to 4" size). Repair or replacement of pipe, if required, is limited to these sizes currently.
3. To date, insulated pipe for 2600 c/s isometrics (TPA and Dow not yet examined) has been checked. Approximately 150 have wet insulation. Current indication is that 25% of the wet ones (or about 40) are severely corroded. These will be checked by Design to determine necessary action.
4. Construction plans to disseminate this information to other construction sites.
5. At this time, we see no significant dollar or schedule effect.

ESS:tran

Sent letter to our quality assurance group concerning this. You will get a copy. DFB

DUP 0827197

DU 015246