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Forwards "Metallurgical Investigation of Cracking in a Reactor Vessel Nozzle Safe-End. SWRI Proj 02-5389-001, Interim Rept" dtd 781020. No significant deviations expected in final rept. FR will incl stress corrosion of Inconcl 600. *encl. # 7810310229*

(see report)

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LEE LIU

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Mr. Harold Denton, Director
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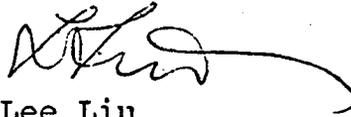
Dear Mr. Denton:

On July 31, 1978 we forwarded to you a report titled "Duane Arnold Energy Center Recirculation Inlet Safe-End Repair Program". In that report we advised you that Iowa Electric would have independent chemical and metallurgical analyses performed. Southwest Research Institute (SwRI) was asked to perform the analyses.

Enclosed herewith is one original and 39 copies of the SwRI interim report titled "Metallurgical Investigation of Cracking in a Reactor Vessel Nozzle Safe-End. SwRI Project 02-5389-991, Interim Report" dated October 20, 1978.

Additional work is continuing at SwRI, we understand that they do not anticipate any significant deviations from the conclusions presented in the interim report. Among other things, the final report will include a Literature Review concerning stress corrosion cracking susceptibility of Inconel 600 which was not complete in time for inclusion in this report.

Very truly yours,



Lee Liu
Senior Vice President, Engineering

LL/KAM/CC

CC: K. Meyer
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