



Donald A. Wells
Manager-Quality Assurance
(313) 237-9657
2000 Second Avenue
Detroit, Michigan 48226
(313) 237-8000

October 12, 1982
EF2-59400

Mr. James G. Keppler,
Regional Administrator
Region III
U. S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, IL 60137

Dear Mr. Keppler:

Subject: Final Report of 10CFR50.55(e) Item on Stainless
Steel Piping (SA 312TP316 and TP316HF) (#62)

This is Detroit Edison's final report on the potential stain-
less steel piping problem No. 62. This item was originally
reported to Mr. P. Pelke of NRC Region III by Project Quality
Assurance's Mr. E. L. Thompson, Acting Supervisor-Construction
Quality Assurance, on March 17, 1982.

It was previously reported that Stainless Steel Piping SA 312TP316
and SA 312TP316H had been found installed in lieu of the required
SA 312TP316L. This is partially incorrect in that, to the
best of our knowledge, TP316H pipe material has not been used
on site. The actual discrepancy is that SA 312TP316 and
SA 312TP316HF (Hot Finish) had been found installed in lieu of
the required SA 312TP316L.

Deviation Disposition Requests (DDRs) have been written on
piping where this problem was identified. Based on Engineering's
evaluation, each of these DDRs has been dispositioned to use
as is.

The problem with utilizing type 316 in place of type 316L is
that the carbon content maximum for type 316 is 0.08% versus
0.035% maximum for type 316L. In evaluating this condition,
Edison Engineering took a conservative approach and evaluated
the potential and consequences of using type 316H (carbon maxi-
mum 0.04 to 0.10%) in place of type 316L. Edison Engineering
determined that the only potential problem would be in cases
where type 316H was used in instrument sample lines. Those
lines are highly susceptible to developing Intergranular Stress
Corrosion or Cracking (IGSCC) and the type 316H should be
replaced.

Further evaluation by Edison Engineering revealed that no instru-
ment sample lines were affected. Therefore, this is no longer
considered to be a condition that would create a substantial
safety hazard and no further corrective action is required.

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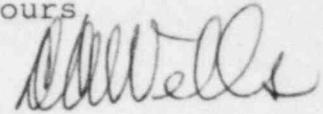
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If you have any questions concerning this matter, please contact Mr. G. M. Trahey, Assistant Director-Project Quality Assurance.

Very truly yours



DAW/WRW/mb

cc: Richard DeYoung, Director
Office of Inspection and Enforcement
Division of Reactor Inspection Programs
U. S. Nuclear Regulatory Commission
Washington, DC 20555

Bruce Little, Senior Resident Inspector
U. S. Nuclear Regulatory Commission
6450 North Dixie Highway
Newport, MI 48166