

Stephen H. Howell
Vice President



Consumers
Power
Company

General Offices: 212 West Michigan Avenue, Jackson, Michigan 49201

May 12, 1978
Howe-73-78

Mr J. G. Keppler, Regional Director
Office of Inspection and Enforcement
US Nuclear Regulatory Commission
Region III
799 Roosevelt Road
Glen Ellyn, IL 60137

MIDLAND NUCLEAR PLANT -
UNIT NO. 1, DOCKET NO. 50-329
UNIT NO. 2, DOCKET NO. 50-330
DECAY HEAT REMOVAL PUMP RADIOGRAPHY

Reference: Letter S. H. Howell to J. G. Keppler, Midland Nuclear Plant -
Unit No. 1, Docket No. 50-329, Unit No. 2, Docket No. 50-330,
Decay Heat Removal Pump Radiography, Serial Howe-23-78, dated
March 3, 1978.

The referenced letter was an interim report. This letter is also an interim report in that radiography of the pump casings is on-going and the extent of any required repairs has not been fully determined. A summary providing the status of each pump casing is attached. Consumers Power is following the radiography and repairs closely including source inspection activities at B&W Canada.

An interim or final report will be sent on or before July 14, 1978.

Attachment: Midland, Decay Heat Removal Pump Radiography,
Status of Re-radiography/Repair, dated May 8, 1978

CC: Dr Ernst Volgenau, USNRC (15)

Director, Office of Management
Information and Program Control, USNRC (1)

8006120 788

MAY 15 1978

MIDLAND DECAY HEAT REMOVAL PUMP RADIOGRAPHY
STATUS OF RE-RADIOGRAPHY/REPAIR AS OF MAY 5, 1978

Pump Casing "A"

Re-radiography completed: CPCo and B&W Lynchburg reviewed and accepted film.

Required repairs: Weld lap open to surface adjacent to an original weld repair. Repaired by grinding. RT and PT of repair area completed and accepted. Wall thickness measurement made and accepted. CPCo and B&W Lynchburg witnessed the above inspections.

Pump Casing "A" is now accepted.

Pump Casing "B"

Re-radiography completed: CPCo and B&W Lynchburg reviewed and accepted film.

Required repairs: One rejectable area (~2 inches long). In addition, there is an indication (borderline to Code) that it was decided to repair.

Pump Casing "C"

Re-radiography completed: CPCo and B&W Lynchburg reviewed and accepted film.

Required repairs: Weld repair was required on an area that was excavated (approximately 2-5/8" long x 3/8" wide x 3/8" deep) to remove an unacceptable indication. RT, PT, and hydrostatic testing have been completed. CPCo and B&W Lynchburg witnessed the (low heat input) weld repair, the PT of the excavation and repair weld, and the casing hydrostatic test. CPCo and B&W Lynchburg also reviewed and accepted the repair weld radiographs.

Pump Casing "C" is now accepted.

Pump Casing "D"

Casing "D" was transferred to Canadian Alloy Company and then Vis-U-Ray for the re-radiography. Vis-U-Ray will be performing the RT under B&W Canada's direction starting May 8, 1978. Casing "D" has been determined to be the casing which did not have the original repairs radiographed. Dimensional checks were made at B&W Canada to establish a baseline against possible future distortion.

During transit (after leaving B&W Canada), some damage (gouging) occurred to a flange face. Extent, cause, and required repairs are being investigated.