TABLE 3.2-1

DNB PARAMETERS

LIMITS

PARAMETER	4 Loops in Operation
Reactor Coolant System T_{avg}	Less than or equal to 576.3°F (indicated)**
Pressurizer Pressure	Greater than or equal to 2205 psig*,**
Reactor Coolant System Total Flow Rate	Greater than or equal to 364,960 gpm***

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* Limit not applicable during either a THERMAL POWER ramp in excess of 5% RATED THERMAL POWER per minute or a THERMAL POWER step in excess of 10% RATED THERMAL POWER.

** Indicated average of at least three OPERABLE instrument loops.

*** 3.5% penalty for measurement uncertainty included in this value.

ATTACHMENT 3 TO AEP:NRC:1070A

LETTER, H. G. SHAW (ANF) TO T. A. GEORGANTIS (IMECO)
DATED OCTOBER 12, 1988

ADVANCED NUCLEAR FUELS CORPORATION

600 108th AVENUE NE. PO BOX 90777, BELLEVUE, WA 98009-0777
(206) 453-4300

October 12, 1988
ANF-AEP/0670

Indiana Michigan Power Company
c/o Mr. Thomas Georgantis
Associate Engineer, Nuclear Fuel & Analysis
American Electric Power Service Corp.
One Riverside Plaza, 20th Floor
Columbus, OH 43216-6631

Dear Mr. Georgantis:

Ref.: Letter AEP-ANF/0358 dated September 7, 1988

As requested in the reference, ANF has reviewed the proposed Technical Specification change in the minimum allowed flow rate. This change will replace the current minimum mass flow rate requirement with an equivalent minimum volumetric flow rate requirement. ANF has reviewed the proposed change and concurs with the flow rate conversion from 138.6×10^6 lbm/hr to 364,960 gpm. The flow rate conversion is appropriately based on the inlet temperature of 542.3°F, which is consistent with a hot full power average temperature of 574.1°F and a mass flow rate of 138.6×10^6 lbm/hr. This method of conversion is in agreement with ANF's modeling in both the non-LOCA and LOCA transient analyses performed in support of D. C. Cook Unit 2 operation.

If you have any questions or comments regarding the above, please feel free to contact us.

Sincerely,

H. G. Shaw
Contract Administrator

gf

cc: D. H. Malin
V. VanderBurg
D. L. Maxwell