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 FACIL: 50-316 Donald C. Cook Nuclear Power Plant, Unit 2, Indiana & 05000316
 AUTH. NAME AUTHOR AFFILIATION
 ADKISSON, D. A. Advanced Nuclear Fuels Corp. (formerly Exxon Nuclear Co., I
 RECIP. NAME RECIPIENT AFFILIATION
 Document Control Branch (Document Control Desk)

SUBJECT: Forwards advanced nuclear fuels corp technical rept
 ANF-87-91(P), Rev 1, "DC Cook 2 Debris-Resistant Lower Tie
 Plate Pressure Drop Test Rept," which supports operation of
 facility.

SEE PROP. RPTS.
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#9+10 To D. Wiggington

THE SECRETARY OF THE ARMY
WASHINGTON, D. C.
JAN 10 1918
TO THE SECRETARY OF THE ARMY
FROM THE SECRETARY OF THE ARMY
SUBJECT: [illegible]

RE: [illegible]

1. [illegible]
2. [illegible]
3. [illegible]
4. [illegible]
5. [illegible]
6. [illegible]
7. [illegible]
8. [illegible]
9. [illegible]
10. [illegible]

[illegible]

ADVANCED NUCLEAR FUELS CORPORATION

2101 HORN RAPIDS ROAD, PO BOX 130, RICHLAND, WA 99352-0130
(509) 375-8100 TELEX: 15-2878

FUEL ENGINEERING &
TECHNICAL SERVICES

August 25, 1987
DAA:014:87

8708310058 870825
PDR ADDCK 05000316
P PDR

Donald C. Cook Nuclear Plant No. 2
Docket No. 50-316
License No. DPR-74
TRANSMITTAL OF
ANF-87-91(P), REV. 1, DC COOK 2 DEBRIS-RESISTANT LOWER TIE PLATE PRESSURE DROP
TEST REPORT

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, D.C. 20555

Dear Sir:

Subject: Transmittal of Donald C. Cook Unit 2 Debris-Resistant Lower Tie
Plate Pressure Drop Test Report

Enclosed are ten copies each of the Advanced Nuclear Fuels Corporation (ANF) technical report ANF-87-91(P), Rev. 1, entitled "DC Cook 2 Debris-Resistant Lower Tie Plate Pressure Drop Test Report," which supports operation of the D.C. Cook Unit 2 Nuclear Plant. At the request of American Electric Power Service Company (AEPSC), this report is being transmitted directly by ANF.

The document transmitted via this letter reflects changes and analysis of the lower tie plate used in the manufacture of the reload fuel designated XN-4 which will be loaded in the reactor in April 1988. The document shows analyses and tests performed on the debris-resistant tie plate design. Results of the analyses show that the Cycle 7 reload fuel is compatible with the existing ANF fuel in the plant.

ANF considers information contained in the enclosed technical report to be proprietary. The Affidavit enclosed provides the necessary information to allow the withholding of the proprietary version from public disclosure as required by 10 CFR 2.790(b).

PA01
1/10

AN AFFILIATE OF KRAFTWERK UNION



U.S. Nuclear Regulatory
Commission

- 2 -

DAA:014:87
August 25, 1987

If you have any questions regarding this transmittal, please contact Mr. James G. Feinstein of AEPSC at (614) 233-2040.

Yours very truly,

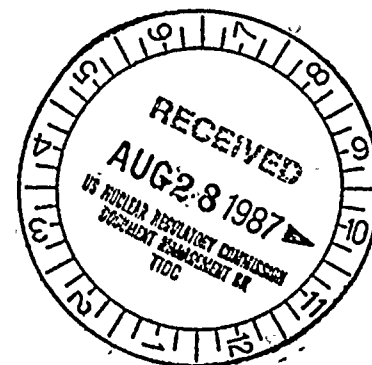


D. A. Adkisson, Acting Manager
Reload Licensing

DAA:11h

Enclosures

cc: Mr. M. P. Alexich (AEPSC)
Mr. T. Georgantis (AEPSC)
Mr. D. L. Wiggington (NRC) (w/Enclosures)



A F F I D A V I T

STATE OF WASHINGTON)
)
COUNTY OF BENTON) ss.

I, H. E. Williamson being duly sworn, hereby say and depose:

1. I am Manager, Licensing and Safety Engineering, for Advanced Nuclear Fuels Corporation, ("ANF"), and as such I am authorized to execute this Affidavit.

2. I am familiar with ANF's detailed document control system and policies which govern the protection and control of information.

3. I am familiar with the document ANF-87-91(P), Revision 1, entitled "Donald C. Cook Unit 2 Debris-Resistant Lower Tie Plate Pressure Drop Test Report," referred to as "Document." Information contained in this Document has been classified by ANF as proprietary in accordance with the control system and policies established by ANF for the control and protection of information.

4. The Document contains information of a proprietary and confidential nature and is of the type customarily held in confidence by ANF and not made available to the public. Based on my experience, I am aware that other companies regard information of the kind contained in the Document as proprietary and confidential.

5. The Document has been made available to the U.S. Nuclear Regulatory Commission in confidence, with the request that the information contained in the Document will not be disclosed or divulged.

6. The Document contains information which is vital to a competitive advantage of ANF and would be helpful to competitors of ANF when competing with ANF.

7. The information contained in the Document is considered to be proprietary by ANF because it reveals certain distinguishing aspects of debris-resistant lower tie plate which secure competitive advantage to ANF for fuel design optimization and marketability, and includes information utilized by ANF in its business which affords ANF an opportunity to obtain a competitive advantage over its competitors who do not or may not know or use the information contained in the Document.

8. The disclosure of the proprietary information contained in the Document to a competitor would permit the competitor to reduce its expenditure of money and manpower and to improve its competitive position by giving it extremely valuable insights into debris-resistant lower tie plate and would result in substantial harm to the competitive position of ANF.

9. The Document contains proprietary information which is held in confidence by ANF and is not available in public sources.

10. In accordance with ANF's policies governing the protection and control of information, proprietary information contained in the Document has been made available, on a limited basis, to others outside ANF only as required and under suitable agreement providing for nondisclosure and limited use of the information.

11. ANF policy requires that proprietary information be kept in a secured file or area and distributed on a need-to-know basis.

12. This Document provides information which reveals the debris-resistant lower tie plate developed by ANF over the past several years. ANF has invested many thousands of dollars and many man-months of effort in developing the debris-resistant lower tie plate revealed in the Document. Assuming a competitor had available the same background data and incentives as ANF, the competitor might, at a minimum, develop the information for the same expenditure of manpower and money as ANF.

THAT the statements made hereinabove are, to the best of my knowledge, information, and belief, truthful and complete.

FURTHER AFFIANT SAYETH NOT.

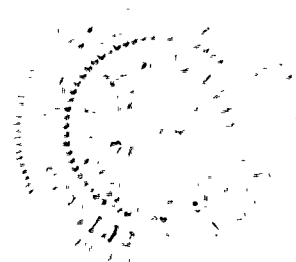
A. E. Williamson

SWORN TO AND SUBSCRIBED

before me this 25th day of
August, 1987.

Gloria R. Fitzgerald

NOTARY PUBLIC



ADVANCED NUCLEAR FUELS CORPORATION

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Commission

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