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 DENTON,H.R. OFFICE OF NUCLEAR REACTOR REGULATION

DOCKET #
05000315

SUBJECT: Provides prelim info re plans for next refueling outage of
 subj facil.Current operating cycle should end in late March
 or early April, 1979;startup of next cycle is expected in May
 1979.No Tech Spec changes foreseen.

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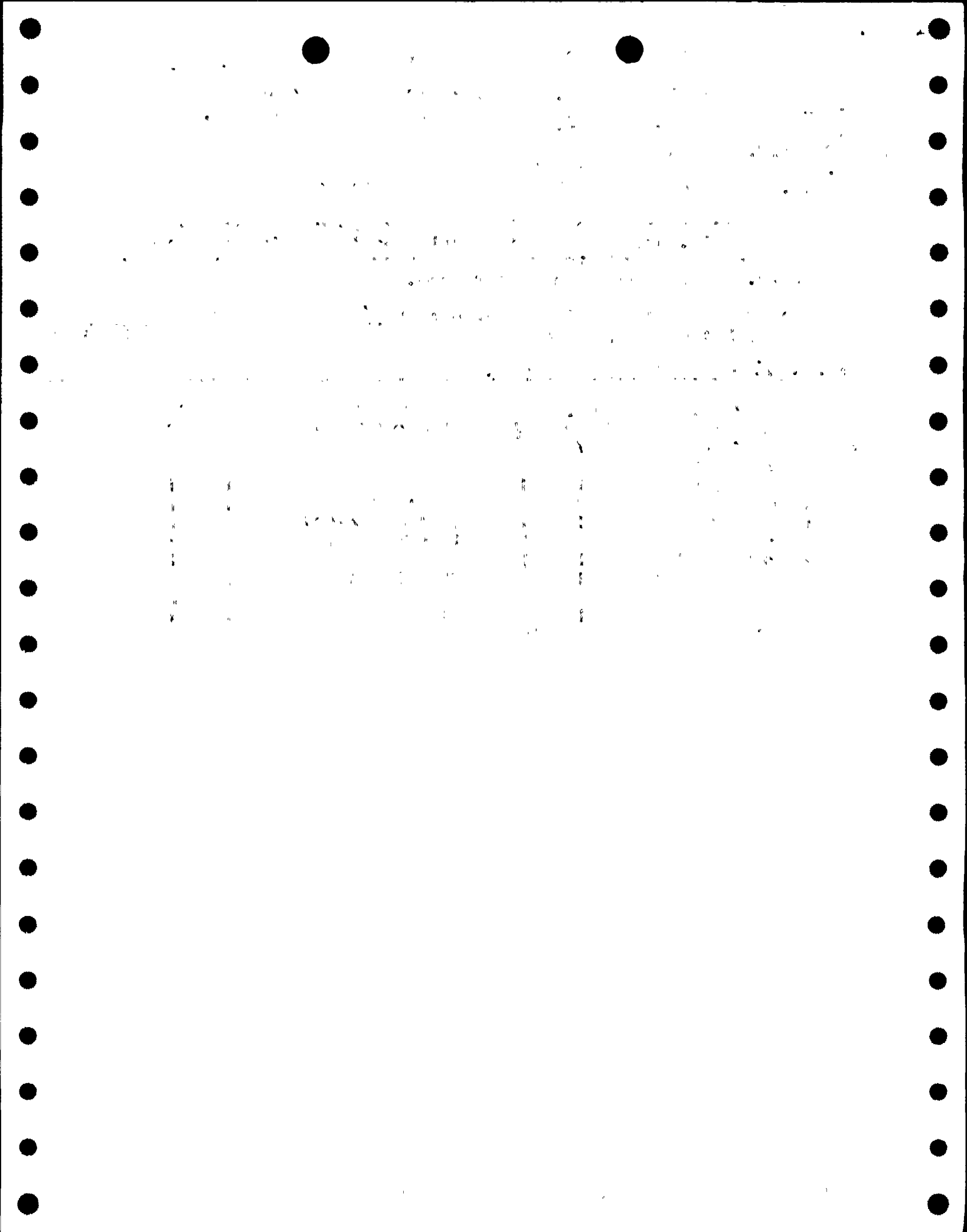
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INDIANA & MICHIGAN POWER COMPANY

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NEW YORK, N. Y. 10004

December 20, 1978
AEP:NRC:00108

Donald C. Cook Nuclear Plant Unit No. 1
Docket No. 50-315
License No. DPR-58
Refueling Outage Plans

Mr. Harold R. Denton
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Denton:

This letter provides preliminary information concerning the plans for the next refueling outage of the Donald C. Cook Nuclear Plant Unit No. 1. The current operating cycle (Cycle 3) is expected to end approximately in late March or early April, 1979. The startup of Cycle 4 is expected in May, 1979.

The new fuel batch will consist of sixty-four fuel assemblies manufactured by the Exxon Nuclear Company and enriched to 2.90 w/o U-235. Sixty-four fuel assemblies which were manufactured by the Westinghouse Electric Company and were part of the initial core will be removed. The Cycle 4 core will consist entirely of Exxon fuel. The reload fuel has the same mechanical and thermal hydraulic design parameters as the previous two Exxon reload fuel batches. The performance analysis and safety analysis methods and procedures for the Cycle 4 reload are the same as for the Cycle 3 reload.

At this time, we do not foresee a need for any Technical Specification changes as a result of the refueling and the operation of Cycle 4 except for the removal of the part-length control rods as noted below. We expect to review the reload core fuel design and safety analysis approximately three months prior to the startup of Cycle 4.

Activities other than refueling which are expected to take place during the outage are removal of the part-length control rods and installation of anti-rotation devices on the part-length control rod drive shafts, and ice basket water addition.

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The removal of the part-length control rods will require amendments to the Final Safety Analysis Report and to the Technical Specifications. This change has already been reviewed, approved, and accomplished in Unit 2, except that the installation of permanent anti-rotation devices in Unit 2 will be made during a future outage.

In order to satisfy the Surveillance Requirements of the ice condenser Technical Specifications, we expect that it will be necessary to increase the ice inventory in two or more row groups during the refueling outage. This expectation is based on the ice weights and ice loss rates determined as a result of the last Unit 1 ice weighing program conducted in April and May, 1978. We therefore plan to increase the ice inventory in the baskets in these sub-groups by means of the water addition method. This method has previously been applied successfully to a small group of baskets in this ice condenser, as described in the report "Long Term Evaluation of the Ice Condenser System - Results of the January 1977 Ice Weighing Program", forty copies of which were transmitted to your office by my letter of June 7, 1977.

Very truly yours,

John Tillinghast
John Tillinghast
Vice President

JT/emc

Sworn and subscribed to before me
this ~~20th~~ ^{20th} day of ~~Nov~~ ^{Nov}ember, 1978 in
New York County, New York

William J. Pechaska
Notary Public

WILLIAM J. PECHASKA
Notary Public, State of New York
No. 43-4636690
Qualified in Richmond County
Commission Expires March 30, 1980

- cc: R. C. Callen
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- P. W. Stekete
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- R. Walsh
- D. V. Shaller - Bridgman
- R. W. Jurgensen

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