

UNITED STATES NUCLEAR REGULATORY COMMISSIONINDIANA MICHIGAN POWER COMPANYDOCKETS NOS. 50-315 AND 50-316ENVIRONMENTAL ASSESSMENT ANDFINDING OF NO SIGNIFICANT IMPACT

The U.S. Nuclear Regulatory Commission (the Commission) is considering issuance of amendments to Facility Operating Licenses Nos. DPR-58 and DPR-74, issued to the Indiana Michigan Power Company (the licensee) for operation of Donald C. Cook Nuclear Plant, Units Nos. 1 and 2, located in Berrien County, Michigan.

ENVIRONMENT ASSESSMENTIdentification of Proposed Action:

The proposed amendments would revise provisions in the D. C. Cook Technical Specifications (TSs) relating to milk sampling for radiological analysis.

The Need for the Proposed Action:

The current TSs concerning milk sampling, Item 4.a of Table 3-12.1, require milk samples to be collected for radiological analysis from the following specific areas:

- A. Stevensville, Michigan
- B. Bridgman, Michigan
- C. Galien, Michigan
- D. Dowagiac, Michigan
- E. South Bend, Indiana

However, no milk samples are collected in Stevensville or South Bend or sectors in which these cities are located because there are no willing farmers who wish to participate in the milk sampling program. Literal TS noncompliance was caused by listing the specific towns where samples were to be taken.

The proposed changes to the TSs are more consistent with the NRC guidelines. Specifically, the proposed changes require sampling at each indicator farm and each background farm. Indicator farm and background farm are defined as follows:

Indicator Farm Nearest milk producer in each of the land sectors within 8 miles of the plant site who is willing to participate in the radiological environmental monitoring program.

Background Farm A milk producer in one of the less prevalent wind directions at a distance greater than 15 miles but less than 25 miles who is willing to participate in the radiological environmental monitoring program.

The number of locations sampled may vary due to the number of sectors which contain farms willing to participate in the milk sampling program. The possibility exists that no willing participants may be found within 8 miles of the plant site. In order to address this possibility, the proposed TSs require broad leaf vegetation sampling. Specifically, if fewer than three willing indicator farms are found, broad leaf vegetation samples will be collected and analyzed when available.

Environmental Impacts of the Proposed Action:

The Commission has completed its evaluation of the proposed changes to the TSs. The proposed changes would correct the licensee's current TSs. They would make the TSs more restrictive and more in line with NRC guidelines concerning milk sampling for radiological analysis. The proposed changes do not increase the probability or consequences of accidents, no changes are being made in the

types of any effluents that may be released offsite, and there is no significant increase in the allowable individual or cumulative occupational radiation exposure. Accordingly, the Commission concludes that this proposed action would result in no significant radiological impact.

With regard to potential nonradiological impacts, the proposed amendments do not involve systems located within the restricted area as defined in 10 CFR Part 20. The proposed amendments only change the TSs in relation to obtaining milk samples for analysis and correct editorial errors. They do not affect nonradiological plant effluents and have no other environmental impact. Therefore, the Commission concludes that there are no significant nonradiological environmental impacts associated with the proposed amendments.

The Notice of Consideration of Issuance of Amendments and Opportunity for Hearing in connection with this action was published in the FEDERAL REGISTER on July 14, 1988 (53 FR 26695). No request for hearing or petition for leave to intervene was filed following this notice.

Alternatives to the Proposed Action:

Because the Commission has concluded that there is no significant environmental impact associated with the proposed amendments, any alternative would have either no or greater environmental impact. The principal alternative would be to deny the requested amendments. This would result in the licensee being in noncompliance with the TSs concerning milk sampling.

Alternative Use of Resources:

This action involves no use of resources not previously considered in connection with the "Final Environmental Statement Related to Operation of the Donald C. Cook Nuclear Plant, Units 1 and 2, dated August 1973.

Agencies and Persons Consulted:

The Commission's staff reviewed the licensee's request and did not consult other agencies or persons.

FINDING OF NO SIGNIFICANT IMPACT

The Commission has determined not to prepare an environmental impact statement for the proposed amendments.

Based upon the foregoing environmental assessment, the Commission concludes that the proposed action will not have a significant effect on the quality of the human environment.

For further details with respect to this action, see the application for amendment dated February 1, 1988, which is available for public inspection at the Commission's Public Document Room, Gelman Building, 2120 L Street, NW, Washington, DC, and at the Maude Preston Palenski Memorial Library, 500 Market Street, St. Joseph, Michigan 49085.

Dated at Rockville, Maryland, this 4th day of November 1988.

FOR THE NUCLEAR REGULATORY COMMISSION

Theodore R. Quay

Theodore Quay, Acting Director
Project Directorate III-1
Division of Reactor Projects - III,
IV, V and Special Projects

