

June 24, 2002

LICENSEE: DUKE ENERGY CORPORATION
FACILITY: CATAWBA AND MCGUIRE NUCLEAR STATIONS, UNITS 1 AND 2
SUBJECT: MEETING SUMMARY OF MAY 23, 2002, TO DISCUSS TOPICAL REPORT
DPC-NE-1005P, NUCLEAR DESIGN METHODOLOGY USING CASMO-4/
SIMULATE-3 MOX (TAC NOS. MB2726, MB2729, MB2578, AND MB2579)

On May 23, 2002, the Nuclear Regulatory Commission (NRC) met with Duke Energy (the licensee) to discuss Topical Report DPC-NE-1005P, Nuclear Design Methodology Using CASMO-4/SIMULATE-3 MOX, submitted by Duke Energy Company for Catawba and McGuire Nuclear Stations. The licensee is planning to utilize the methodology discussed in this report to analyze future reloads that would include some mixed oxide (MOX) fuel at Catawba and McGuire Nuclear Stations, Units 1 and 2.

The licensee presented a summary of the MOX fuel project status and plans. The licensee indicated that different alternatives to fabricate MOX fuel lead test assemblies are being considered and provided a summary of schedules for submitting various documents at appropriate stages. A brief presentation of Duke Nuclear Analysis Methodologies was made by the Duke Energy Company.

In addition, the licensee made a detailed presentation of analytical models for reactor core management. The Qualification of Nuclear Analysis Methodologies, Power Reactor Benchmark Analysis, Power Distribution Uncertainty Factors and Dynamic Rod Worth Measurement analytical methods were discussed to demonstrate acceptability of the technique for mixed low enriched uranium and MOX cores.

The information provided by the licensee is expected to facilitate the review of the above topical report submitted by Duke Energy Company.

Enclosure 1 is a list of the meeting attendees. The non-proprietary portion of the handout provided by the licensee is accessible electronically from the Agencywide Documents Access and Management System (ADAMS) Public Electronic Reading Room on the internet at the NRC Web site, <http://www.nrc.gov/reading-rm/adams/html> accession number ML021540365. Persons who do not have access to ADAMS or who encounter problems in accessing the documents located in ADAMS, should contact the NRC PDR Reference staff by telephone at 1-800-397-4209 or 301-415-4737, or by e-mail to pdr@nrc.gov.

/RA/

Chandu P. Patel, Project Manager, Section 1
Project Directorate II
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket Nos. 50-413, 50-414, 50-369, and
50-370

Enclosure: As stated

cc w/encl: See next page

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LIST OF ATTENDEES

MEETING TO DISCUSS TOPICAL REPORT DPC-NE-1005P, NUCLEAR DESIGN
METHODOLOGY USING CASMO-4/SIMULATE-3 MOX, SUBMITTED BY
DUKE ENERGY COMPANY FOR
CATAWBA AND MCGUIRE NUCLEAR STATIONS

MAY 23, 2002

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