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ADJUDICATIONS STAFF

Ann Marshall Young, Chairman
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Washington, D.C. 20555-0001

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Dr. Thomas S. Elleman
Administrative Judge
5207 Creedmoor Road # 101
Raleigh, N.C. 27612

Re: **In the Matter of Duke Energy Corporation, Catawba Nuclear Station,
Units 1 and 2 (Docket Nos. 50-413-OLA, 50-414-OLA)**

Dear Administrative Judges:

Counsel for Duke Energy Corporation have reviewed the NRC Staff's December 19, 2003 letter to the Atomic Safety and Licensing Board, which responded to item 3(c) of the Board's December 15, 2003 "Order (Regarding Deadlines and Scheduling Issues)" by submitting a list of "additional authorities and sources on the state of the art with regard to the use of MOX fuel." Further in response to item 4(b) of that Order, Duke provides the following as a supplement to the NRC Staff's list of references:

- International Atomic Energy Agency Document 415, "Status and Advances in MOX Fuel Technology" (2003). (This document is available for a charge from the IAEA website at: www.iaea.org/Publications/index.html.)

In addition, some of the recent work performed or sponsored by Duke Energy on the topic of weapons grade MOX fuel use is reflected in the following technical papers/proceedings:

- Anderson, S.L., Laubham, T.J., Nesbit, S.P., and Gilreath, J.D., "Mixed Oxide Fuel Effects on the Integrity of the McGuire and Catawba Reactor Vessels." (This paper,

Template=SECY-043

SECY-02

December 22, 2003

Page 2

presented at the Sept. 2002 American Nuclear Society (ANS) 5th Topical Meeting on U.S. Department of Energy Spent Nuclear Fuel and Fissile Materials Management, Charleston, S.C., is included in the proceedings for that meeting, which are publicly available from ANS.)

- Naugle, K.A., "Cycle Design Work for Transition to Partial MOX Fuel Cores." (This paper, presented at the Sept. 2002 ANS 5th Topical Meeting on DOE Spent Nuclear Fuel and Fissile Materials Management, Charleston, S.C., is included in the proceedings for that meeting, which are publicly available from ANS.)
- Eller, J.L., "Reactor Core Model Benchmark for Partial MOX Fuel Cycles." (This paper, presented at the Oct. 2003 ANS meeting on Advances in Nuclear Fuel Management III, Hilton Head, S.C., is included in the proceedings for that meeting, which are publicly available from ANS.)
- Nesbit, S.P., and Eller, J.L., "Basis for the Design of Reactor Cores Containing Weapons Grade MOX Fuel." (This paper, presented at the Oct. 2003 ANS meeting on Advances in Nuclear Fuel Management III, Hilton Head, S.C., is included in the proceedings for that meeting, which are publicly available from ANS.)

Duke is providing these references for informational purposes only. Although we believe these references are responsive to the Licensing Board's request, Duke makes no representation regarding the comprehensiveness of this list.

Please contact me if there are any questions concerning this transmittal.

Very truly yours,



Anne W. Cottingham
Counsel for Duke Energy Corporation

cc: Service List