JUN 1 9 2003

MODIFICATION NO. 2 TO COOPERATIVE AGREEMENT NO. NRC-04-02-079 BETWEEN MASSACHUSETTS INSTITUTE OF TECHNOLOGY AND THE U.S. NUCLEAR REGULATORY COMMISSION

The purpose of this modification is to (1) append the new task described by the cooperator's email dated 03/26/03 from George Apostolakis to Hossein Hamzehee to the current Statement of Work; (2) increase the ceiling by \$294,245, from \$1,500,00 to \$1,794,245 to fund the new task over the next three (3) years; and (3) add incremental funds in the amount of \$100,000, increasing the obligated amount from \$500,00 to \$600,000. Accordingly, the following changes are hereby made:

- 1. Block No. 2, Modification No. is replaced with the following: "Two"
- 2. Block No. 9, Project Will be Conducted per Cooperator's Proposal, dated 05/23/02, Appendix A, the Cooperative Agreement's Provisions and Will be Supplemented with the Cooperator's Proposal dated 03/26/03
- 3. Block No. 13, Accounting & Appropriation Data, is replaced with the following:

APPN. No.: 31X0200.360 APPN. No.: 31X0200.360 B&R No.: 36060401710 B&R No.: 36060401710 Job Code: F6885 Job Code: F6887 BOC No.: 4110 BOC No.: 4110 RES ID No.: RES-C03-407 RES ID No.: RES-C03-408 Amount: \$50,000.00 Amount: \$50,000.00

2. Block No. 15, NRC Obligation of Funds, is replaced with the following:

This Cooperative Agreement Action: \$100,000.00
Previous Obligation: \$500,000.00
Total Obligation: \$600,000.00

3. Block No. 16, Total Funding Agreement, is replaced with the following:

NRC: \$1,794,245.00 Cooperator: \$ -0-

Total: \$1,794,245.00

EXECUTED:

UNITED STATES OF AMERICA NUCLEAR REGULATORY COMMISSION

BY:

NAME: Robert B. Webber

TITLE: Contracting Officer____

DATE: UITING