AMENDMENT IV

TO THE

ANNEX I TO THE IMPLEMENTING ARRANGEMENT

BETWEEN

THE UNITED STATES DEPARTMENT OF ENERGY

AND

THE JAPAN ATOMIC ENERGY RESEARCH INSTITUTE

ON COOPERATION IN FUSION RESEARCH AND DEVELOPMENT

U.S./JAPAN COLLABORATIVE TESTING

OF FIRST WALL AND BLANKET STRUCTURAL MATERIALS

WITH MIXED SPECTRUM FISSION REACTORS

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Whereas the United States Department of Energy (DOE) and the Japan Atomic Energy Research Institute (JAERI), (hereinafter collectively referred to as the "Parties" "), have been cooperating pursuant to Annex I to the Implementing Arrangement between the United States Department of Energy and the Japan Atomic Energy Research Institute on Cooperation in Fusion Research and Development, U.S./Japan Collaborative Testing of First Wall and Blanket Structural Materials with Mixed Spectrum Fission Reactors (hereinafter referred to as the "Annex I") signed on November 8, 1983;

Whereas the cooperative activities between the Parties under Annex I have been carried out successfully;

Whereas the Parties wish to continue their present cooperation;

Whereas advanced capabilities of post-irradiated examination have been developed and proven for the High Flux Isotope Reactor (HFIR); and,

Whereas the Parties consider advanced irradiation experiments on structural and special purpose materials to be very important parts of their respective fusion programs;

NOW THEREFORE, pursuant to Article 7.2 of the Annex I, the Parties have agreed to amend the Annex I as follows:

I. Article 3, "PROJECT", is amended by deleting paragraph 3.1 and replacing it with the following:

"3.1 HFIR is a mixed-spectrum, multi-purpose research reactor operated by the Oak Ridge National Laboratory (ORNL) for USDOE and located in Oak Ridge, Tennessee. The Collaborative Program will be one of several users of HFIR; HFIR will not be dedicated exclusively to this Collaborative Program."

II. Article 6, "INFORMATION AND PATENTS", is amended as follows:

Treatment of information and intellectual property under this Amendment IV to Annex I shall be in accordance with the provisions of Article VII and the Annex of the Agreement between the Government of United States of America and the Government of Japan on Cooperation in Research and Development in Energy and Related Fields, as extended by the Protocol signed on January 28, 2000, and the Protocol extended and amended on April 18, 2000, with the understanding that the terms "Government(s)" and "Joint Committee" in said Article VII and Annex are to be read Party(ies) and "Steering Committee", respectively, for purposes of this Annex I.

III. Article 7, "ADDITIONAL PROVISIONS", paragraph 7.2, is amended by deleting "until March 31, 2004" in Amendment III, and substituting in lieu thereof "until March 31, 2009."

IV. Amendment IV to Annex I shall be in accordance with the provisions of Article II of the Agreement between the Government of the United States of America and the Government of Japan on Cooperation in Research and Development in Energy and Related Fields, as extended and amended on April 18, 2000.

In witness whereof, this Amendment has been signed in duplicate in the English and Japanese languages, both being equally authentic, to be effective as of April 1, 2004.

FOR THE UNITED STATES DEPARTMENT OF ENERGY	FOR THE JAPAN ATOMIC ENERGY RESEARCH INSTITUTE
N. Anne Davies	Shinzaburou Matsuda
Associate Director for Fusion Energy Sciences Office of Science	Executive Director
Date: ~~March~~ April 5, 2004	Date: March 18, 2004