STATEMENT OF INTENT

BETWEEN

THE DEPARTMENT OF ENERGY OF THE UNITED STATES OF AMERICA

AND

THE COMMISSARIAT À L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES

CONCERNING

COLLABORATION ON THE DEVELOPMENT OF ADVANCED SODIUM-COOLED FAST REACTORS

The Department of Energy of the United States of America (DOE) and the French Atomic Energy and Alternative Energies Commission [Commissariat à L'Energie Atomique et aux Energies Alternatives (CEA)], hereinafter referred to individually as a "Participant" and collectively as the "Participants";

RECOGNIZING their existing cooperation under the Agreement between the Department of Energy of the United States of America and the Commissariat à L'Energie Atomique et aux Energies Alternatives for Cooperation in Low Carbon Energy Technologies of June 19, 2012;

NOTING their shared desire to continue cooperation in the conduct of research and development (R&D) in technologies related to nuclear energy and the nuclear fuel cycle for peaceful uses;

NOTING the importance of efforts by both Participants to expand the development of advanced fast reactor technology;

NOTING the United States R&D efforts on the development of advanced fast spectrum sodium-cooled reactor technology and French efforts in support of the development of advanced fast spectrum sodium-cooled reactors through an R&D program that includes a sodium-cooled demonstration reactor;

DESIRING to leverage the expertise of each Participant for the benefit of both Participants; and

DESIRING to strengthen their bond through greater cooperation;

State their intention as follows:

Section 1: Planned Areas of Cooperation

The Participants recognize the importance of, and intend to further strengthen, their cooperation in the following areas related to the development of advanced fast reactors. This cooperation could include, but is not limited to:

1. Modeling, Simulation, and Validation: share lessons learned and collaborate in efforts to develop and advance fast spectrum sodium-cooled technology modeling, simulation, and validation.

2. Technology Testing and Access to Supply Chain: perform testing in existing experimental facilities for validation of technology and access existing supply chains for technology components.

3. Experimental Facilities: provide mutual access to the Participants' complementary experimental facilities for fast reactors.

4. Advanced Materials: share lessons learned and collaborate on efforts to develop joint scientific investigations of advanced nuclear materials for fast reactors and other nuclear energy applications.

The Participants intend to develop an implementing document that will establish an Executive Committee comprised of representatives of each Participant, in order to further coordinate the planning, management, and implementation in the potential areas of cooperation identified in this Statement.

Section 2: General Considerations

1. This Statement is effective upon the date it is signed by the last of the Participants. A Participant who desires to discontinue this statement should endeavor to provide written notice to the other Participant ninety (90) days in advance of the date of the discontinuation.

2. This Statement may be modified at any time upon mutual written consent of the Participants.

3. The conduct of cooperative activities under this Statement is subject to the availability of appropriate funds, technical resources, and personnel.

4. Each Participant is responsible for its costs of participating in the cooperative activities under this Statement, unless specified otherwise in writing by the Participants.

5. This Statement does not create any legally binding rights or obligations between the Participants.

Signed in duplicate.

FOR THE DEPARTMENT OF ENERGY OF THE UNITED STATES OF AMERICA:

Name: Rick Perry

Title: Secretary of Energy RICK PERRY

Date: 24 April 18

Place: Washington, DC, USA

FOR THE COMMISSARIAT À L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES:

Name: François Jacq

Title: General Administrator (Administrateur général)

Date: 23 avril 2018

Place: Saclay, France