AMENDMENT TO H.R. 1540, AS REPORTED
OFFERED BY MR. GARAMENDI OF CALIFORNIA

Page 835, after line 10, insert the following:

SEC. 3125. NATIONAL ACADEMY OF SCIENCES REVIEW OF
NUCLEAR WASTE REPROCESSING AND NUCLEAR REACTOR TECHNOLOGY.

(a) STUDY.—Not later than 60 days after the date of the enactment of this Act, the Administrator for Nuclear Security shall enter into an agreement with the National Academy of Sciences to conduct a study on waste reprocessing and Generation IV nuclear reactor technology.

(b) ELEMENTS.—The study required under subsection (a) shall include—

(1) a review of previous studies related to the subject of nuclear waste reprocessing as a point of reference;

(2) a determination of the feasibility of using nuclear reactor technology, particularly proven Generation IV nuclear reactor technology, created at the national labs at a site charged with meeting international agreements to dispose or decommission nuclear weapons which has substantial legacy waste in
order to reprocess and reuse the materials in a proliferation-resistant process that will generate electricity;

(3) a determination of the resulting waste streams;

(4) an analysis of the nuclear proliferation risks, including effects on the nuclear nonproliferation efforts of the United States;

(5) a comparison to nuclear waste reprocessing technologies used in other countries and a comparison to the direct disposal of nuclear waste; and

(6) a detailed analysis of the feasibility of large-scale deployment of such technology at military installations.

(c) REPORTS.—

(1) NNSA.—The National Academy of Sciences shall submit to the Administrator for Nuclear Security a report containing the results of the study and any recommendations resulting from the study.

(2) CONGRESS.—Not later than 18 months after the date on which the contract is awarded under subsection (a), the Administrator for Nuclear Security shall submit to the appropriate congressional committees the report submitted under para-
paragraph (1) and any comments or recommendations of the Administrator with respect to the report.

(3) **FORM.**—The report under paragraph (2) shall be submitted to the appropriate congressional committees in unclassified form, but may include a classified annex.

(4) **APPROPRIATE CONGRESSIONAL COMMITTEES.**—In this section, the term “appropriate congressional committees” means the following:

(A) The Committee on Armed Services, the Committee on Energy and Commerce, and the Committee on Foreign Affairs of the House of Representatives.

(B) The Committee on Armed Services, the Committee on Energy and Natural Resources, and the Committee on Foreign Relations of the Senate.