

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

Page 835, after line 10, insert the following:

1 **SEC. 3125. NATIONAL ACADEMY OF SCIENCES REVIEW OF**
2 **NUCLEAR WASTE REPROCESSING AND NU-**
3 **CLEAR REACTOR TECHNOLOGY.**

4 (a) STUDY.—Not later than 60 days after the date
5 of the enactment of this Act, the Administrator for Nu-
6 clear Security shall enter into an agreement with the Na-
7 tional Academy of Sciences to conduct a study on waste
8 reprocessing and Generation IV nuclear reactor tech-
9 nology.

10 (b) ELEMENTS.—The study required under sub-
11 section (a) shall include—

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

15 (2) a determination of the feasibility of using
16 nuclear reactor technology, particularly proven Gen-
17 eration IV nuclear reactor technology, created at the
18 national labs at a site charged with meeting inter-
19 national agreements to dispose or decommission nu-
20 clear weapons which has substantial legacy waste in

1 order to reprocess and reuse the materials in a pro-
2 liferation-resistant process that will generate elec-
3 tricity;

4 (3) a determination of the resulting waste
5 streams;

6 (4) an analysis of the nuclear proliferation
7 risks, including effects on the nuclear nonprolifera-
8 tion efforts of the United States;

9 (5) a comparison to nuclear waste reprocessing
10 technologies used in other countries and a compari-
11 son to the direct disposal of nuclear waste; and

12 (6) a detailed analysis of the feasibility of large-
13 scale deployment of such technology at military in-
14 stallations.

15 (c) REPORTS.—

16 (1) NNSA.—The National Academy of Sciences
17 shall submit to the Administrator for Nuclear Secu-
18 rity a report containing the results of the study and
19 any recommendations resulting from the study.

20 (2) CONGRESS.—Not later than 18 months
21 after the date on which the contract is awarded
22 under subsection (a), the Administrator for Nuclear
23 Security shall submit to the appropriate congres-
24 sional committees the report submitted under para-

1 graph (1) and any comments or recommendations of
2 the Administrator with respect to the report.

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

7 (4) APPROPRIATE CONGRESSIONAL COMMIT-
8 TEES.—In this section, the term “appropriate con-
9 gressional committees” means the following:

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

14 (B) The Committee on Armed Services,
15 the Committee on Energy and Natural Re-
16 sources, and the Committee on Foreign Rela-
17 tions of the Senate.

