

CHANGE OF NAME

Committee on National Security of House of Representatives changed to Committee on Armed Services of House of Representatives by House Resolution No. 5, One Hundred Sixth Congress, Jan. 6, 1999.

§ 2542. Tritium recycling**(a) In general**

Except as provided in subsection (b), the following activities shall be carried out at the Savannah River Site, South Carolina:

- (1) All tritium recycling for weapons, including tritium refitting.
- (2) All activities regarding tritium formerly carried out at the Mound Plant, Ohio.

(b) Exception

The following activities may be carried out at the Los Alamos National Laboratory, New Mexico:

- (1) Research on tritium.
- (2) Work on tritium in support of the defense inertial confinement fusion program.
- (3) Provision of technical assistance to the Savannah River Site regarding the weapons surveillance program.

(Pub. L. 107-314, div. D, title XLII, § 4232, formerly Pub. L. 104-106, div. C, title XXXI, § 3136, Feb. 10, 1996, 110 Stat. 620; renumbered Pub. L. 107-314, div. D, title XLII, § 4232, by Pub. L. 108-136, div. C, title XXXI, § 3141(e)(17), Nov. 24, 2003, 117 Stat. 1761.)

§ 2543. Tritium production**(a) New tritium production facility**

The Secretary of Energy shall commence planning and design activities and infrastructure development for a new tritium production facility.

(b) In-reactor tests

The Secretary may perform in-reactor tests of tritium target rods as part of the activities carried out under the commercial light water reactor program.

(Pub. L. 107-314, div. D, title XLII, § 4233, formerly Pub. L. 104-201, div. C, title XXXI, § 3133(c), (d), Sept. 23, 1996, 110 Stat. 2830; renumbered Pub. L. 107-314, div. D, title XLII, § 4233, and amended Pub. L. 108-136, div. C, title XXXI, § 3141(e)(18), Nov. 24, 2003, 117 Stat. 1761.)

AMENDMENTS

2003—Pub. L. 108-136, § 3141(e)(18)(C)(i), (ii), inserted section catchline and redesignated subsecs. (c) and (d) of section 3133 of Pub. L. 104-201, which were transferred to this section, as subsecs. (a) and (b), respectively, of this section.

Subsec. (a). Pub. L. 108-136, § 3141(e)(18)(C)(iii), inserted “of Energy” after “The Secretary”.

§ 2544. Modernization and consolidation of tritium recycling facilities**(a) In general**

The Secretary of Energy shall carry out activities at the Savannah River Site, South Carolina, to—

- (1) modernize and consolidate the facilities for recycling tritium from weapons; and
- (2) provide a modern tritium extraction facility so as to ensure that such facilities have

a capacity to recycle tritium from weapons that is adequate to meet the requirements for tritium for weapons specified in the Nuclear Weapons Stockpile Memorandum.

(b) Funding

Of the funds authorized to be appropriated to the Department of Energy pursuant to section 3101 of the National Defense Authorization Act for Fiscal Year 1997 (Public Law 104-201), not more than \$9,000,000 shall be available for activities under subsection (a).

(Pub. L. 107-314, div. D, title XLII, § 4234, formerly Pub. L. 104-201, div. C, title XXXI, § 3134, Sept. 23, 1996, 110 Stat. 2830; renumbered Pub. L. 107-314, div. D, title XLII, § 4234, and amended Pub. L. 108-136, div. C, title XXXI, § 3141(e)(19), Nov. 24, 2003, 117 Stat. 1762.)

REFERENCES IN TEXT

Section 3101 of the National Defense Authorization Act for Fiscal Year 1997, referred to in subsec. (b), is section 3101 of Pub. L. 104-201, div. C, title XXXI, Sept. 23, 1996, 110 Stat. 2820, which is not classified to the Code.

AMENDMENTS

2003—Subsec. (b). Pub. L. 108-136, § 3141(e)(19)(D), inserted “of the National Defense Authorization Act for Fiscal Year 1997 (Public Law 104-201)” after “section 3101”.

§ 2545. Procedures for meeting tritium production requirements**(a) Production of new tritium**

The Secretary of Energy shall produce new tritium to meet the requirements of the Nuclear Weapons Stockpile Memorandum at the Tennessee Valley Authority Watts Bar or Sequoyia nuclear power plants consistent with the Secretary's December 22, 1998, decision document designating the Secretary's preferred tritium production technology.

(b) Support

To support the method of tritium production set forth in subsection (a), the Secretary shall design and construct a new tritium extraction facility in the H-Area of the Savannah River Site, Aiken, South Carolina.

(c) Design and engineering development

The Secretary shall—

(1) complete preliminary design and engineering development of the Accelerator Production of Tritium technology design as a backup source of tritium to the source set forth in subsection (a) and consistent with the Secretary's December 22, 1998, decision document; and

(2) make available those funds necessary to complete engineering development and demonstration, preliminary design, and detailed design of key elements of the system consistent with the Secretary's decision document of December 22, 1998.

(Pub. L. 107-314, div. D, title XLII, § 4235, formerly Pub. L. 106-65, div. C, title XXXI, § 3134, Oct. 5, 1999, 113 Stat. 927; renumbered Pub. L. 107-314, div. D, title XLII, § 4235, by Pub. L. 108-136, div. C, title XXXI, § 3141(e)(20), Nov. 24, 2003, 117 Stat. 1762.)