

tion that involves any nuclear weapon planned to be in the active stockpile after 2025.

(b) Certain programs

(1) The Administrator, in coordination with the Chairman of the Nuclear Weapons Council, shall ensure that each program described in paragraph (2) incorporates integrated designs compatible with the Integrated Surety Architecture program.

(2) A program described in this subsection is a program of the Administration that is a warhead development program, a life extension program, or a warhead major alteration program.

(c) Determination

(1) If, on a case-by-case basis, the Administrator determines that a shipment under subsection (a) will not incorporate some or all of the surety technologies described in such subsection, or that a program under subsection (b) will not incorporate some or all of the integrated designs described in such subsection, the Administrator shall submit such determination to the congressional defense committees, including the results of an analysis conducted pursuant to paragraph (2).

(2) Each determination made under paragraph (1) shall be based on a documented, system risk analysis that considers security risk reduction, operational impacts, and technical risk.

(d) Termination

The requirements of subsections (a) and (b) shall terminate on December 31, 2029.

(Pub. L. 107-314, div. D, title XLII, §4222, as added Pub. L. 115-91, div. C, title XXXI, §3112(a), Dec. 12, 2017, 131 Stat. 1883.)

PART B—TRITIUM

§ 2541. Tritium production program

(a) Establishment of program

The Secretary of Energy shall establish a tritium production program that is capable of meeting the tritium requirements of the United States for nuclear weapons.

(b) Location of tritium production facility

The Secretary shall locate any new tritium production facility of the Department of Energy at the Savannah River Site, South Carolina.

(c) 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, §4231, formerly Pub. L. 104-106, div. C, title XXXI, §3133, Feb. 10, 1996, 110 Stat. 618; renumbered Pub. L. 107-314, div. D, title XLII, §4231, and amended Pub. L. 108-136, div. C, title XXXI, §3141(e)(16), Nov. 24, 2003, 117 Stat. 1761; Pub. L. 112-239, div. C, title XXXI, §3131(h), Jan. 2, 2013, 126 Stat. 2182; Pub. L. 113-66, div. C, title XXXI, §3146(c)(11)(A), Dec. 26, 2013, 127 Stat. 1075.)

CODIFICATION

Section was formerly set out as a note under section 2121 of Title 42, The Public Health and Welfare, prior to renumbering by Pub. L. 108-136.

Subsec. (b) of section 2543 of this title, which was transferred to the end of this section and redesignated subsec. (c) by Pub. L. 113-66, §3146(c)(11)(A), was based on 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

2013—Pub. L. 112-239 amended section generally. Prior to amendment, section related to tritium production program.

Subsec. (c). Pub. L. 113-66 transferred subsec. (b) of section 2543 of this title to the end of this section and redesignated it subsec. (c). See Codification note above.

2003—Subsec. (a)(1). Pub. L. 108-136, §3141(e)(16)(D)(i), substituted “February 10, 1996” for “the date of the enactment of this Act”.

Subsec. (b). Pub. L. 108-136, §3141(e)(16)(D)(ii), inserted “of the National Defense Authorization Act for Fiscal Year 1996 (Public Law 104-106)” after “section 3101”.

Subsecs. (d)(2)(B), (e). Pub. L. 108-136, §3141(e)(16)(D)(i), substituted “February 10, 1996” for “the date of the enactment of this Act”.

§ 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. Repealed. Pub. L. 113-66, div. C, title XXXI, § 3146(c)(11)(B), Dec. 26, 2013, 127 Stat. 1075

Section, 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; Pub. L. 113-66, div. C, title XXXI, §3146(c)(11)(A), Dec. 26, 2013, 127 Stat. 1075, related to tritium production.

§ 2544. Modernization and consolidation of tritium recycling facilities

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.

(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; Pub. L. 112-239, div. C, title XXXI, § 3131(i), Jan. 2, 2013, 126 Stat. 2182.)

AMENDMENTS

2013—Pub. L. 112-239 struck out subsec. (a) designation and heading “In general” and struck out subsec. (b), which limited funding to \$9,000,000 for activities under subsec. (a).

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 Sequoyah 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.)

SUBCHAPTER III—PROLIFERATION MATTERS

§ 2561. Repealed. Pub. L. 111-84, div. C, title XXXI, § 3117(a), Oct. 28, 2009, 123 Stat. 2709

Section, Pub. L. 107-314, div. D, title XLIII, § 4301, formerly Pub. L. 105-85, div. C, title XXXI, § 3133, Nov. 18,

1997, 111 Stat. 2036; Pub. L. 105-261, div. A, title X, § 1069(b)(3), div. C, title XXXI, § 3131, Oct. 17, 1998, 112 Stat. 2136, 2246; renumbered Pub. L. 107-314, div. D, title XLIII, § 4301, and amended Pub. L. 108-136, div. C, title XXXI, § 3141(f)(2), Nov. 24, 2003, 117 Stat. 1762, related to international cooperative stockpile stewardship.

§ 2562. Repealed. Pub. L. 113-66, div. C, title XXXI, § 3146(d)(1)(A), Dec. 26, 2013, 127 Stat. 1075

Section, Pub. L. 107-314, div. D, title XLIII, § 4302, formerly Pub. L. 106-65, div. C, title XXXI, § 3136, Oct. 5, 1999, 113 Stat. 927; renumbered Pub. L. 107-314, div. D, title XLIII, § 4302, and amended Pub. L. 108-136, div. C, title XXXI, § 3141(f)(3), Nov. 24, 2003, 117 Stat. 1762; Pub. L. 112-81, div. C, title XXXI, § 3121(b), Dec. 31, 2011, 125 Stat. 1709; Pub. L. 112-239, div. C, title XXXI, § 3131(bb)(1)(D), Jan. 2, 2013, 126 Stat. 2185, related to nonproliferation initiatives and activities.

§ 2563. Repealed. Pub. L. 115-91, div. C, title XXXI, § 3133(a)(1), Dec. 12, 2017, 131 Stat. 1896

Section, Pub. L. 107-314, div. D, title XLIII, § 4303, formerly Pub. L. 106-398, § 1 [div. C, title XXXI, § 3171], Oct. 30, 2000, 114 Stat. 1654, 1654A-475; Pub. L. 107-314, div. C, title XXXI, § 3153, Dec. 2, 2002, 116 Stat. 2738; renumbered Pub. L. 107-314, div. D, title XLIII, § 4303, and amended Pub. L. 108-136, div. C, title XXXI, § 3141(f)(4), Nov. 24, 2003, 117 Stat. 1763, related to annual report on status of Nuclear Materials Protection, Control, and Accounting Program.

§ 2564. Repealed. Pub. L. 113-66, div. C, title XXXI, § 3146(d)(2)(A), Dec. 26, 2013, 127 Stat. 1075

Section, Pub. L. 107-314, div. D, title XLIII, § 4304, formerly Pub. L. 106-398, § 1 [div. C, title XXXI, § 3172], Oct. 30, 2000, 114 Stat. 1654, 1654A-476; renumbered Pub. L. 107-314, div. D, title XLIII, § 4304, by Pub. L. 108-136, div. C, title XXXI, § 3141(f)(5), Nov. 24, 2003, 117 Stat. 1763, related to the Nuclear Cities Initiative.

§ 2565. Authority to conduct program relating to fissile materials

The Secretary of Energy may conduct programs designed to improve the protection, control, and accountability of fissile materials in Russia.

(Pub. L. 107-314, div. D, title XLIII, § 4305, formerly Pub. L. 104-106, div. C, title XXXI, § 3131, Feb. 10, 1996, 110 Stat. 617; Pub. L. 107-314, div. C, title XXXI, § 3152, Dec. 2, 2002, 116 Stat. 2738; renumbered Pub. L. 107-314, div. D, title XLIII, § 4305, by Pub. L. 108-136, div. C, title XXXI, § 3141(f)(6), Nov. 24, 2003, 117 Stat. 1763.)

CODIFICATION

Section was formerly set out as a note under section 5952 of Title 22, Foreign Relations and Intercourse, prior to renumbering by Pub. L. 108-136.

AMENDMENTS

2002—Pub. L. 107-314, § 3152, struck out subsec. (a) designation and heading “Authority” and subsec. (b) heading and text. Prior to amendment, subsec. (b) related to semi-annual reports on obligations of funds.

COMPLETION OF MATERIAL PROTECTION, CONTROL, AND ACCOUNTING ACTIVITIES IN THE RUSSIAN FEDERATION

Pub. L. 113-291, div. C, title XXXI, § 3122(b), Dec. 19, 2014, 128 Stat. 3894, provided that:

“(1) IN GENERAL.—Except as provided in paragraph (2) or specifically authorized by Congress, international material protection, control, and accounting activities