

out, through the Under Secretary of Defense for Acquisition, Technology, and Logistics a program to reduce the unnecessary release of chlorofluorocarbons (hereinafter in this section referred to as 'CFCs') and halons into the atmosphere in connection with maintenance operations and training and testing practices of the Department of Defense.

“(b) REPORT.—(1) Not later than 180 days after the date of the enactment of this Act [Nov. 29, 1989], the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and House of Representatives a report describing the program the Secretary proposes to carry out pursuant to subsection (a). The Secretary shall specify in the report the reduction goals that are attainable on the basis of known technology, including the use of refrigerant recovery systems currently available. The Secretary shall include in the report a schedule for meeting those goals. The Secretary shall also include in such report reduction goals that can be achieved only with the use of new technology and assess the technologies and investment that will be required to attain those goals within a five-year period.

“(2) Before the report required under paragraph (1) is submitted to the committees named in such paragraph, the Secretary shall transmit a copy of the report to the Administrator of the Environmental Protection Agency for comment.

“(c) DOD REQUIREMENTS FOR CFCs.—(1) Not later than 30 days after the date of the enactment of this Act [Nov. 29, 1989], the Secretary shall establish an advisory committee to be known as the ‘CFC Advisory Committee’ (hereinafter in this section referred to as the ‘Committee’). The Committee shall be composed of not more than 15 members, with an equal number of representatives from the Department of Defense, the Environmental Protection Agency, and defense contractors. Members representing defense contractors shall be contractors that supply the Department of Defense with products or equipment that require the use of CFCs.

“(2) It shall be the function of the Committee to study (A) the use of CFCs by the Department of Defense and by contractors in the performance of contracts for the Department of Defense, and (B) the cost and feasibility of using alternative compounds for CFCs or using alternative technologies that do not require the use of CFCs.

“(3) Within 120 days after the date of the enactment of this Act, the Secretary shall provide the Committee with a list of all military specifications, standards, and other requirements that specify the use of CFCs.

“(4) Within 150 days after the date of the enactment of this Act, the Secretary shall provide the Committee with a list of all military specifications, standards, and other requirements that do not specify use of CFCs but cannot be met without the use of CFCs.

“(d) REPORT.—Not later than September 30, 1990, the Secretary shall submit to the committees named in subsection (b) a report containing the results of the study by the Committee. The report shall—

“(1) identify cases in which the Committee found that substitutes for CFCs could be made most expeditiously;

“(2) identify the feasibility and cost of substituting compounds or technologies for CFC uses referred to in subsection (c)(3) and estimate the time necessary for completing the substitution;

“(3) identify CFC uses referred to in subsection (c)(4) for which substitutes are not currently available and indicate the reasons substitutes are not available;

“(4) describe the types of research programs that should be undertaken to identify substitute compounds or technologies for CFC uses referred to in paragraphs (3) and (4) of subsection (c) and estimate the cost of the program;

“(5) recommend procedures to expedite the use of substitute compounds and technologies offered by contractors to replace CFC uses;

“(6) estimate the earliest date on which CFCs will no longer be required for military applications; and

“(7) estimate the cost of revising military specifications for the use of substitutes for CFCs, the additional costs resulting from modification of Department of Defense contracts to provide for the use of substitutes for CFCs, and the cost of purchasing new equipment and reverification necessitated by the use of substitutes for CFCs.”

#### REPORT ON ENVIRONMENTAL REQUIREMENTS AND PRIORITIES

Pub. L. 101-189, div. A, title III, §358, Nov. 29, 1989, 103 Stat. 1427, directed Secretary of Defense, not later than two years after Nov. 29, 1989, to submit to Congress a comprehensive report on the long-range environmental challenges and goals of the Department of Defense.

#### STUDY OF WASTE RECYCLING

Pub. L. 101-189, div. A, title III, §361, Nov. 29, 1989, 103 Stat. 1429, as amended by Pub. L. 101-510, div. A, title III, §343, Nov. 5, 1990, 104 Stat. 1538, required the Secretary of Defense to conduct a study of current practices and future plans for managing postconsumer waste at facilities of the Department of Defense at which such waste was generated and the feasibility of such Department of Defense facilities participating in programs at military installations or in local communities to recycle the postconsumer waste generated at the facilities, and to submit to Congress a report describing the findings and conclusions of the Secretary resulting from the study not later than Mar. 1, 1991.

#### USE OF DEPARTMENT OF DEFENSE APPROPRIATIONS FOR REMOVAL OF UNSAFE BUILDINGS OR DEBRIS

Pub. L. 101-165, title IX, §9038, Nov. 21, 1989, 103 Stat. 1137, which authorized appropriations available to the Department of Defense to be used at sites formerly used by the Department for removal of unsafe buildings or debris of the Department and required that removal be completed before the property is released from Federal Government control, was repealed and restated in subsecs. (f) and (g) of this section by Pub. L. 101-510, div. A, title XIV, §1481(i), Nov. 5, 1990, 104 Stat. 1708.

### § 2702. Research, development, and demonstration program

(a) PROGRAM.—As part of the Defense Environmental Restoration Program, the Secretary of Defense shall carry out a program of research, development, and demonstration with respect to hazardous wastes. The program shall be carried out in consultation and cooperation with the Administrator and the advisory council established under section 311(a)(5) of CERCLA (42 U.S.C. 9660(a)(5)). The program shall include research, development, and demonstration with respect to each of the following:

(1) Means of reducing the quantities of hazardous waste generated by activities and facilities under the jurisdiction of the Secretary.

(2) Methods of treatment, disposal, and management (including recycling and detoxifying) of hazardous waste of the types and quantities generated by current and former activities of the Secretary and facilities currently and formerly under the jurisdiction of the Secretary.

(3) Identifying more cost-effective technologies for cleanup of hazardous substances.

(4) Toxicological data collection and methodology on risk of exposure to hazardous waste generated by the Department of Defense.

(5) The testing, evaluation, and field demonstration of any innovative technology, processes, equipment, or related training devices

which may contribute to establishment of new methods to control, contain, and treat hazardous substances, to be carried out in consultation and cooperation with, and to the extent possible in the same manner and standards as, testing, evaluation, and field demonstration carried out by the Administrator, acting through the office of technology demonstration of the Environmental Protection Agency.

(b) SPECIAL PERMIT.—The Administrator may use the authorities of section 3005(g) of the Solid Waste Disposal Act (42 U.S.C. 6925(g)) to issue a permit for testing and evaluation which receives support under this section.

(c) CONTRACTS AND GRANTS.—The Secretary may enter into contracts and cooperative agreements with, and make grants to, universities, public and private profit and nonprofit entities, and other persons to carry out the research, development, and demonstration authorized under this section. Such contracts may be entered into only to the extent that appropriated funds are available for that purpose.

(d) INFORMATION COLLECTION AND DISSEMINATION.—

(1) IN GENERAL.—The Secretary shall develop, collect, evaluate, and disseminate information related to the use (or potential use) of the treatment, disposal, and management technologies that are researched, developed, and demonstrated under this section.

(2) ROLE OF EPA.—The functions of the Secretary under paragraph (1) shall be carried out in cooperation and consultation with the Administrator. To the extent appropriate and agreed upon by the Administrator and the Secretary, the Administrator shall evaluate and disseminate such information through the office of technology demonstration of the Environmental Protection Agency.

(Added Pub. L. 99-499, title II, §211(a)(1)(B), Oct. 17, 1986, 100 Stat. 1721; amended Pub. L. 108-375, div. A, title X, §1084(d)(25), Oct. 28, 2004, 118 Stat. 2063.)

#### AMENDMENTS

2004—Subsec. (a). Pub. L. 108-375 inserted “(42 U.S.C. 9660(a)(5))” after “311(a)(5) of CERCLA”.

#### PARTNERSHIPS FOR INVESTMENT IN INNOVATIVE ENVIRONMENTAL TECHNOLOGIES

Pub. L. 105-85, div. A, title III, §349, Nov. 18, 1997, 111 Stat. 1690, as amended by Pub. L. 106-65, div. A, title X, §1067(4), Oct. 5, 1999, 113 Stat. 774; Pub. L. 112-81, div. A, title X, §1062(k)(1), Dec. 31, 2011, 125 Stat. 1586, authorized the Secretary of Defense, until three years after Nov. 18, 1997, to enter into a partnership with one or more private entities to demonstrate and validate innovative environmental technologies, and to provide funds to the partner or partners from appropriations available to the Department of Defense for environmental activities for a period of up to five years.

#### AGREEMENTS FOR SERVICES OF OTHER AGENCIES IN SUPPORT OF ENVIRONMENTAL TECHNOLOGY CERTIFICATION

Pub. L. 105-85, div. A, title III, §342(d), Nov. 18, 1997, 111 Stat. 1686, provided that not later than 90 days after Nov. 18, 1997, the Secretary of Defense was to submit to Congress a report setting forth the guidelines established by the Secretary for reimbursement of State and local governments, and for cost-sharing between the Department of Defense, such governments, and ven-

dors, under cooperative agreements entered into under section 327 of Pub. L. 104-201, formerly set out below.

Pub. L. 104-201, div. A, title III, §327, Sept. 23, 1996, 110 Stat. 2483, as amended by Pub. L. 105-85, div. A, title III, §342(a)-(c), Nov. 18, 1997, 111 Stat. 1686, authorized the Secretary of Defense, until five years after Sept. 23, 1996, to enter into a cooperative agreement with an agency of a State or local government, or with an Indian tribe, to obtain assistance in certifying environmental technologies.

#### § 2703. Environmental restoration accounts

(a) ESTABLISHMENT OF ACCOUNTS.—There are hereby established in the Department of Defense the following accounts:

(1) An account to be known as the “Environmental Restoration Account, Defense”.

(2) An account to be known as the “Environmental Restoration Account, Army”.

(3) An account to be known as the “Environmental Restoration Account, Navy”.

(4) An account to be known as the “Environmental Restoration Account, Air Force”.

(5) An account to be known as the “Environmental Restoration Account, Formerly Used Defense Sites”.

(b) PROGRAM ELEMENTS FOR ORDNANCE REMEDIATION.—The Secretary of Defense shall establish a program element for remediation of unexploded ordnance, discarded military munitions, and munitions constituents within each environmental restoration account established under subsection (a). In this subsection, the terms “discarded military munitions” and “munitions constituents” have the meanings given such terms in section 2710 of this title.

(c) OBLIGATION OF AUTHORIZED AMOUNTS.—(1) Funds authorized for deposit in an account under subsection (a) may be obligated or expended from the account only to carry out the environmental restoration functions of the Secretary of Defense and the Secretaries of the military departments under this chapter and under any other provision of law.

(2) Funds authorized for deposit in an account under subsection (a) shall remain available until expended.

(d) BUDGET REPORTS.—In proposing the budget for any fiscal year pursuant to section 1105 of title 31, the President shall set forth separately the amounts requested for environmental restoration programs of the Department of Defense and of each of the military departments under this chapter and under any other Act.

(e) CREDIT OF AMOUNTS RECOVERED.—The following amounts shall be credited to the appropriate environmental restoration account:

(1) Amounts recovered under CERCLA for response actions.

(2) Any other amounts recovered from a contractor, insurer, surety, or other person to reimburse the Department of Defense or a military department for any expenditure for environmental response activities.

(f) PAYMENTS OF FINES AND PENALTIES.—None of the funds appropriated to the Environmental Restoration Account, Defense, or to any environmental restoration account of a military department, may be used for the payment of a fine or penalty (including any supplemental environmental project carried out as part of such pen-