

(8) the current and potential utilization of such materials.

In furtherance of this study, the Administrator shall, as he deems appropriate, review studies and other actions of other Federal and State agencies concerning such waste or materials and invite participation by other concerned parties, including industry and other Federal and State agencies, with a view toward avoiding duplication of effort. The Administrator shall publish a report of such study, which shall include appropriate findings, in conjunction with the publication of the report of the study of mining wastes required to be conducted under subsection (f) of this section. Such report and findings shall be submitted to the Committee on Environment and Public Works of the United States Senate and the Committee on Energy and Commerce of the United States House of Representatives.

**(q) Authorization of appropriations**

There are authorized to be appropriated not to exceed \$8,000,000 for the fiscal years 1978 and 1979 to carry out this section other than subsection (j).

**(r) Minimization of hazardous waste**

The Administrator shall compile, and not later than October 1, 1986, submit to the Congress, a report on the feasibility and desirability of establishing standards of performance or of taking other additional actions under this chapter to require the generators of hazardous waste to reduce the volume or quantity and toxicity of the hazardous waste they generate, and of establishing with respect to hazardous wastes required management practices or other requirements to assure such wastes are managed in ways that minimize present and future risks to human health and the environment. Such report shall include any recommendations for legislative changes which the Administrator determines are feasible and desirable to implement the national policy established by section 6902 of this title.

**(s) Extending landfill life and reusing landfilled areas**

The Administrator shall conduct detailed, comprehensive studies of methods to extend the useful life of sanitary landfills and to better use sites in which filled or closed landfills are located. Such studies shall address—

- (1) methods to reduce the volume of materials before placement in landfills;
- (2) more efficient systems for depositing waste in landfills;
- (3) methods to enhance the rate of decomposition of solid waste in landfills, in a safe and environmentally acceptable manner;
- (4) methane production from closed landfill units;
- (5) innovative uses of closed landfill sites, including use for energy production such as solar or wind energy and use for metals recovery;
- (6) potential for use of sewage treatment sludge in reclaiming landfilled areas; and
- (7) methods to coordinate use of a landfill owned by one municipality by nearby municipalities, and to establish equitable rates for such use, taking into account the need to pro-

vide future landfill capacity to replace that so used.

The Administrator is authorized to conduct demonstrations in the areas of study provided in this subsection. The Administrator shall periodically report on the results of such studies, with the first such report not later than October 1, 1986. In carrying out this subsection, the Administrator need not duplicate other studies which have been completed and may rely upon information which has previously been compiled.

(Pub. L. 89-272, title II, §8002, as added Pub. L. 94-580, §2, Oct. 21, 1976, 90 Stat. 2831; amended Pub. L. 95-609, §7(t), Nov. 8, 1978, 92 Stat. 3083; H. Res. 549, Mar. 25, 1980; Pub. L. 96-482, §29, Oct. 21, 1980, 94 Stat. 2349; Pub. L. 98-616, title II, §224(c), title VII, §702, Nov. 8, 1984, 98 Stat. 3253, 3289.)

AMENDMENTS

1984—Subsec. (r). Pub. L. 98-616, §224(c), added subsec. (r).

Subsec. (s). Pub. L. 98-616, §702, added subsec. (s).

1980—Subsec. (f). Pub. L. 96-482, §29(1), required publication of report no later than thirty-six months after Oct. 21, 1980, and its submission to Senate Committee on Environment and Public Works and House Committee on Energy and Commerce.

Subsecs. (m) to (q). Pub. L. 96-482, §29(2), added subsecs. (m) to (p) and redesignated former subsec. (m) as (q).

1978—Subsec. (g)(1). Pub. L. 95-609, §7(t)(1), substituted "shale, liquefaction" for "shale liquefaction".

Subsec. (j)(1). Pub. L. 95-609, §7(t)(2), enacted a provision adding the Secretary of Energy and the Chairman of the Council of Economic Advisors to the Committee.

Subsec. (j)(2). Pub. L. 95-609, §7(t)(3), substituted "paragraph (1)(D)" for "paragraph (2)(D)".

Subsec. (j)(3). Pub. L. 95-609, §7(t)(4), substituted "paragraph (1)" for "paragraph (2)(D)".

Subsec. (l). Pub. L. 95-609, §7(t)(5), struck out requirement of submission of reports under subsec. (j) of this section.

CHANGE OF NAME

Committee on Interstate and Foreign Commerce of the House of Representatives changed to Committee on Energy and Commerce immediately prior to noon on Jan. 3, 1981, by House Resolution No. 549, Ninety-sixth Congress, Mar. 25, 1980. Committee on Energy and Commerce of House of Representatives treated as referring to Committee on Commerce of House of Representatives by section 1(a) of Pub. L. 104-14, set out as a note preceding section 21 of Title 2, The Congress. Committee on Commerce of House of Representatives changed to Committee on Energy and Commerce of House of Representatives, and jurisdiction over matters relating to securities and exchanges and insurance generally transferred to Committee on Financial Services of House of Representatives by House Resolution No. 5, One Hundred Seventh Congress, Jan. 3, 2001.

TRANSFER OF FUNCTIONS

For transfer of certain enforcement functions of Administrator or other official of Environmental Protection Agency under this chapter to Federal Inspector, Office of Federal Inspector for the Alaska Natural Gas Transportation System, and subsequent transfer to Secretary of Energy, then to Federal Coordinator for Alaska Natural Gas Transportation Projects, see note set out under section 6903 of this title.

**§ 6983. Coordination, collection, and dissemination of information**

**(a) Information**

The Administrator shall develop, collect, evaluate, and coordinate information on—

(1) methods and costs of the collection of solid waste;

(2) solid waste management practices, including data on the different management methods and the cost, operation, and maintenance of such methods;

(3) the amounts and percentages of resources (including energy) that can be recovered from solid waste by use of various solid waste management practices and various technologies;

(4) methods available to reduce the amount of solid waste that is generated;

(5) existing and developing technologies for the recovery of energy or materials from solid waste and the costs, reliability, and risks associated with such technologies;

(6) hazardous solid waste, including incidents of damage resulting from the disposal of hazardous solid wastes; inherently and potentially hazardous solid wastes; methods of neutralizing or properly disposing of hazardous solid wastes; facilities that properly dispose of hazardous wastes;

(7) methods of financing resource recovery facilities or, sanitary landfills, or hazardous solid waste treatment facilities, whichever is appropriate for the entity developing such facility or landfill (taking into account the amount of solid waste reasonably expected to be available to such entity);

(8) the availability of markets for the purchase of resources, either materials or energy, recovered from solid waste; and

(9) research and development projects respecting solid waste management.

**(b) Library**

(1) The Administrator shall establish and maintain a central reference library for (A) the materials collected pursuant to subsection (a) of this section and (B) the actual performance and cost effectiveness records and other data and information with respect to—

(i) the various methods of energy and resource recovery from solid waste,

(ii) the various systems and means of resource conservation,

(iii) the various systems and technologies for collection, transport, storage, treatment, and final disposition of solid waste, and

(iv) other aspects of solid waste and hazardous solid waste management.

Such central reference library shall also contain, but not be limited to, the model codes and model accounting systems developed under this section, the information collected under subsection (d), and, subject to any applicable requirements of confidentiality, information respecting any aspect of solid waste provided by officers and employees of the Environmental Protection Agency which has been acquired by them in the conduct of their functions under this chapter and which may be of value to Federal, State, and local authorities and other persons.

(2) Information in the central reference library shall, to the extent practicable, be collated, analyzed, verified, and published and shall be made available to State and local governments and other persons at reasonable times and subject to such reasonable charges as may be necessary to

defray expenses of making such information available.

**(c) Model accounting system**

In order to assist State and local governments in determining the cost and revenues associated with the collection and disposal of solid waste and with resource recovery operations, the Administrator shall develop and publish a recommended model cost and revenue accounting system applicable to the solid waste management functions of State and local governments. Such system shall be in accordance with generally accepted accounting principles. The Administrator shall periodically, but not less frequently than once every five years, review such accounting system and revise it as necessary.

**(d) Model codes**

The Administrator is authorized, in cooperation with appropriate State and local agencies, to recommend model codes, ordinances, and statutes, providing for sound solid waste management.

**(e) Information programs**

(1) The Administrator shall implement a program for the rapid dissemination of information on solid waste management, hazardous waste management, resource conservation, and methods of resource recovery from solid waste, including the results of any relevant research, investigations, experiments, surveys, studies, or other information which may be useful in the implementation of new or improved solid waste management practices and methods and information on any other technical, managerial, financial, or market aspect of resource conservation and recovery facilities.

(2) The Administrator shall develop and implement educational programs to promote citizen understanding of the need for environmentally sound solid waste management practices.

**(f) Coordination**

In collecting and disseminating information under this section, the Administrator shall coordinate his actions and cooperate to the maximum extent possible with State and local authorities.

**(g) Special restriction**

Upon request, the full range of alternative technologies, programs or processes deemed feasible to meet the resource recovery or resource conservation needs of a jurisdiction shall be described in such a manner as to provide a sufficient evaluative basis from which the jurisdiction can make its decisions, but no officer or employee of the Environmental Protection Agency shall, in an official capacity, lobby for or otherwise represent an agency position in favor of resource recovery or resource conservation, as a policy alternative for adoption into ordinances, codes, regulations, or law by any State or political subdivision thereof.

(Pub. L. 89-272, title II, §8003, as added Pub. L. 94-580, §2, Oct. 21, 1976, 90 Stat. 2834; amended Pub. L. 95-609, §7(u), Nov. 8, 1978, 92 Stat. 3083.)

AMENDMENTS

1978—Subsec. (a)(3). Pub. L. 95-609 substituted "solid waste" for "discarded materials".

## TRANSFER OF FUNCTIONS

For transfer of certain enforcement functions of Administrator or other official of Environmental Protection Agency under this chapter to Federal Inspector, Office of Federal Inspector for the Alaska Natural Gas Transportation System, and subsequent transfer to Secretary of Energy, then to Federal Coordinator for Alaska Natural Gas Transportation Projects, see note set out under section 6903 of this title.

**§ 6984. Full-scale demonstration facilities****(a) Authority**

The Administrator may enter into contracts with public agencies or authorities or private persons for the construction and operation of a full-scale demonstration facility under this chapter, or provide financial assistance in the form of grants to a full-scale demonstration facility under this chapter only if the Administrator finds that—

(1) such facility or proposed facility will demonstrate at full scale a new or significantly improved technology or process, a practical and significant improvement in solid waste management practice, or the technological feasibility and cost effectiveness of an existing, but unproven technology, process, or practice, and will not duplicate any other Federal, State, local, or commercial facility which has been constructed or with respect to which construction has begun (determined as of the date action is taken by the Administrator under this chapter),

(2) such contract or assistance meets the requirements of section 6981 of this title and meets other applicable requirements of this chapter,

(3) such facility will be able to comply with the guidelines published under section 6907 of this title and with other laws and regulations for the protection of health and the environment,

(4) in the case of a contract for construction or operation, such facility is not likely to be constructed or operated by State, local, or private persons or in the case of an application for financial assistance, such facility is not likely to receive adequate financial assistance from other sources, and

(5) any Federal interest in, or assistance to, such facility will be disposed of or terminated, with appropriate compensation, within such period of time as may be necessary to carry out the basic objectives of this chapter.

**(b) Time limitation**

No obligation may be made by the Administrator for financial assistance under this subchapter for any full-scale demonstration facility after the date ten years after October 21, 1976. No expenditure of funds for any such full-scale demonstration facility under this subchapter may be made by the Administrator after the date fourteen years after October 21, 1976.

**(c) Cost sharing**

(1) Wherever practicable, in constructing, operating, or providing financial assistance under this subchapter to a full-scale demonstration facility, the Administrator shall endeavor to enter into agreements and make other arrangements for maximum practicable cost sharing with

other Federal, State, and local agencies, private persons, or any combination thereof.

(2) The Administrator shall enter into arrangements, wherever practicable and desirable, to provide monitoring of full-scale solid waste facilities (whether or not constructed or operated under this chapter) for purposes of obtaining information concerning the performance, and other aspects, of such facilities. Where the Administrator provides only monitoring and evaluation instruments or personnel (or both) or funds for such instruments or personnel and provides no other financial assistance to a facility, notwithstanding section 6981(c)(3) of this title, title to any invention made or conceived of in the course of developing, constructing, or operating such facility shall not be required to vest in the United States and patents respecting such invention shall not be required to be issued to the United States.

**(d) Prohibition**

After October 21, 1976, the Administrator shall not construct or operate any full-scale facility (except by contract with public agencies or authorities or private persons).

(Pub. L. 89-272, title II, §8004, as added Pub. L. 94-580, §2, Oct. 21, 1976, 90 Stat. 2836; amended Pub. L. 95-609, §7(v), Nov. 8, 1978, 92 Stat. 3084; Pub. L. 98-616, title V, §502(f), Nov. 8, 1984, 98 Stat. 3276.)

## AMENDMENTS

1984—Subsec. (c)(1). Pub. L. 98-616 inserted “(1)” before “Wherever”.

1978—Subsec. (a)(1). Pub. L. 95-609 substituted “solid waste” for “discarded material”.

## TRANSFER OF FUNCTIONS

For transfer of certain enforcement functions of Administrator or other official of Environmental Protection Agency under this chapter to Federal Inspector, Office of Federal Inspector for the Alaska Natural Gas Transportation System, and subsequent transfer to Secretary of Energy, then to Federal Coordinator for Alaska Natural Gas Transportation Projects, see note set out under section 6903 of this title.

**§ 6985. Special study and demonstration projects on recovery of useful energy and materials****(a) Studies**

The Administrator shall conduct studies and develop recommendations for administrative or legislative action on—

(1) means of recovering materials and energy from solid waste, recommended uses of such materials and energy for national or international welfare, including identification of potential markets for such recovered resources, the impact of distribution of such resources on existing markets, and potentials for energy conservation through resource conservation and resource recovery;

(2) actions to reduce waste generation which have been taken voluntarily or in response to governmental action, and those which practically could be taken in the future, and the economic, social, and environmental consequences of such actions;

(3) methods of collection, separation, and containerization which will encourage efficient utilization of facilities and contribute to