

(5) facilitate the adoption of source reduction techniques by businesses. This strategy shall include the use of the Source Reduction Clearinghouse and State matching grants provided in this chapter to foster the exchange of information regarding source reduction techniques, the dissemination of such information to businesses, and the provision of technical assistance to businesses. The strategy shall also consider the capabilities of various businesses to make use of source reduction techniques;

(6) identify, where appropriate, measurable goals which reflect the policy of this chapter, the tasks necessary to achieve the goals, dates at which the principal tasks are to be accomplished, required resources, organizational responsibilities, and the means by which progress in meeting the goals will be measured;

(8)<sup>2</sup> establish an advisory panel of technical experts comprised of representatives from industry, the States, and public interest groups, to advise the Administrator on ways to improve collection and dissemination of data;

(9) establish a training program on source reduction opportunities, including workshops and guidance documents, for State and Federal permit issuance, enforcement, and inspection officials working within all agency program offices.<sup>3</sup>

(10) identify and make recommendations to Congress to eliminate barriers to source reduction including the use of incentives and disincentives;

(11) identify opportunities to use Federal procurement to encourage source reduction;

(12) develop, test and disseminate model source reduction auditing procedures designed to highlight source reduction opportunities; and

(13) establish an annual award program to recognize a company or companies which operate outstanding or innovative source reduction programs.

(Pub. L. 101-508, title VI, §6604, Nov. 5, 1990, 104 Stat. 1388-322.)

#### **§ 13104. Grants to States for State technical assistance programs**

##### **(a) General authority**

The Administrator shall make matching grants to States for programs to promote the use of source reduction techniques by businesses.

##### **(b) Criteria**

When evaluating the requests for grants under this section, the Administrator shall consider, among other things, whether the proposed State program would accomplish the following:

(1) Make specific technical assistance available to businesses seeking information about source reduction opportunities, including funding for experts to provide onsite technical advice to business<sup>1</sup> seeking assistance and to

assist in the development of source reduction plans.

(2) Target assistance to businesses for whom lack of information is an impediment to source reduction.

(3) Provide training in source reduction techniques. Such training may be provided through local engineering schools or any other appropriate means.

##### **(c) Matching funds**

Federal funds used in any State program under this section shall provide no more than 50 per centum of the funds made available to a State in each year of that State's participation in the program.

##### **(d) Effectiveness**

The Administrator shall establish appropriate means for measuring the effectiveness of the State grants made under this section in promoting the use of source reduction techniques by businesses.

##### **(e) Information**

States receiving grants under this section shall make information generated under the grants available to the Administrator.

(Pub. L. 101-508, title VI, §6605, Nov. 5, 1990, 104 Stat. 1388-323.)

#### **§ 13105. Source Reduction Clearinghouse**

##### **(a) Authority**

The Administrator shall establish a Source Reduction Clearinghouse to compile information including a computer data base which contains information on management, technical, and operational approaches to source reduction. The Administrator shall use the clearinghouse to—

(1) serve as a center for source reduction technology transfer;

(2) mount active outreach and education programs by the States to further the adoption of source reduction technologies; and

(3) collect and compile information reported by States receiving grants under section 13104 of this title on the operation and success of State source reduction programs.

##### **(b) Public availability**

The Administrator shall make available to the public such information on source reduction as is gathered pursuant to this chapter and such other pertinent information and analysis regarding source reduction as may be available to the Administrator. The data base shall permit entry and retrieval of information to any person.

(Pub. L. 101-508, title VI, §6606, Nov. 5, 1990, 104 Stat. 1388-324.)

#### **§ 13106. Source reduction and recycling data collection**

##### **(a) Reporting requirements**

Each owner or operator of a facility required to file an annual toxic chemical release form under section 11023 of this title for any toxic chemical shall include with each such annual filing a toxic chemical source reduction and re-

<sup>2</sup> So in original. Subsec. (b) enacted without a par. (7).

<sup>3</sup> So in original. The period probably should be a semicolon.

<sup>1</sup> So in original. Probably should be "businesses".

cycling report for the preceeding<sup>1</sup> calendar year. The toxic chemical source reduction and recycling report shall cover each toxic chemical required to be reported in the annual toxic chemical release form filed by the owner or operator under section 11023(c) of this title. This section shall take effect with the annual report filed under section 11023 of this title for the first full calendar year beginning after November 5, 1990.

**(b) Items included in report**

The toxic chemical source reduction and recycling report required under subsection (a) shall set forth each of the following on a facility-by-facility basis for each toxic chemical:

(1) The quantity of the chemical entering any waste stream (or otherwise released into the environment) prior to recycling, treatment, or disposal during the calendar year for which the report is filed and the percentage change from the previous year. The quantity reported shall not include any amount reported under paragraph (7). When actual measurements of the quantity of a toxic chemical entering the waste streams are not readily available, reasonable estimates should be made based on best engineering judgment.

(2) The amount of the chemical from the facility which is recycled (at the facility or elsewhere) during such calendar year, the percentage change from the previous year, and the process of recycling used.

(3) The source reduction practices used with respect to that chemical during such year at the facility. Such practices shall be reported in accordance with the following categories unless the Administrator finds other categories to be more appropriate.

(A) Equipment, technology, process, or procedure modifications.

(B) Reformulation or redesign of products.

(C) Substitution of raw materials.

(D) Improvement in management, training, inventory control, materials handling, or other general operational phases of industrial facilities.

(4) The amount expected to be reported under paragraph<sup>2</sup> (1) and (2) for the two calendar years immediately following the calendar year for which the report is filed. Such amount shall be expressed as a percentage change from the amount reported in paragraphs (1) and (2).

(5) A ratio of production in the reporting year to production in the previous year. The ratio should be calculated to most closely reflect all activities involving the toxic chemical. In specific industrial classifications subject to this section, where a feedstock or some variable other than production is the primary influence on waste characteristics or volumes, the report may provide an index based on that primary variable for each toxic chemical. The Administrator is encouraged to develop production indexes to accommodate individual industries for use on a voluntary basis.

(6) The techniques which were used to identify source reduction opportunities. Tech-

niques listed should include, but are not limited to, employee recommendations, external and internal audits, participative team management, and material balance audits. Each type of source reduction listed under paragraph (3) should be associated with the techniques or multiples of techniques used to identify the source reduction technique.

(7) The amount of any toxic chemical released into the environment which resulted from a catastrophic event, remedial action, or other one-time event, and is not associated with production processes during the reporting year.

(8) The amount of the chemical from the facility which is treated (at the facility or elsewhere) during such calendar year and the percentage change from the previous year. For the first year of reporting under this subsection, comparison with the previous year is required only to the extent such information is available.

**(c) SARA provisions**

The provisions of sections 11042, 11045(c), and 11046 of this title shall apply to the reporting requirements of this section in the same manner as to the reports required under section 11023 of this title. The Administrator may modify the form required for purposes of reporting information under section 11023 of this title to the extent he deems necessary to include the additional information required under this section.

**(d) Additional optional information**

Any person filing a report under this section for any year may include with the report additional information regarding source reduction, recycling, and other pollution control techniques in earlier years.

**(e) Availability of data**

Subject to section 11042 of this title, the Administrator shall make data collected under this section publicly available in the same manner as the data collected under section 11023 of this title.

(Pub. L. 101-508, title VI, §6607, Nov. 5, 1990, 104 Stat. 1388-324.)

REFERENCES IN TEXT

SARA, referred to in the heading of subsec. (c), means the Superfund Amendments and Reauthorization Act of 1986, Pub. L. 99-499, Oct. 17, 1986, 100 Stat. 1613, as amended. For complete classification of this Act to the Code, see Short Title of 1986 Amendment note set out under section 9601 of this title and Tables.

**§ 13107. EPA report**

**(a) Biennial reports**

The Administrator shall provide Congress with a report within eighteen months after November 5, 1990, and biennially thereafter, containing a detailed description of the actions taken to implement the strategy to promote source reduction developed under section 13103(b)<sup>1</sup> of this title and of the results of such actions. The report shall include an assessment of the effectiveness of the clearinghouse and

<sup>1</sup> So in original. Probably should be "preceding".

<sup>2</sup> So in original. Probably should be "paragraphs".

<sup>1</sup> See References in Text note below.