103D CONGRESS 1ST SESSION

H. R. 1994

To authorize appropriations for environmental research, development, and demonstration for fiscal years 1994, and for other purposes.

IN THE HOUSE OF REPRESENTATIVES

May 5, 1993

Mr. Valentine introduced the following bill; which was referred to the Committee on Science, Space, and Technology

A BILL

To authorize appropriations for environmental research, development, and demonstration for fiscal years 1994, and for other purposes.

- 1 Be it enacted by the Senate and House of Representa-
- 2 tives of the United States of America in Congress assembled,
- 3 SECTION 1. SHORT TITLE.
- 4 This Act may be cited as the "Environmental Re-
- 5 search, Development, and Demonstration Authorization
- 6 Act of 1993".
- 7 SEC. 2. GENERAL AUTHORIZATION.
- 8 (a) Environmental Research, Development,
- 9 AND DEMONSTRATION.—

- 1 (1) IN GENERAL.—There are authorized to be
 2 appropriated to the Administrator of the Environ3 mental Protection Agency (hereafter in this Act re4 ferred to as the "Administrator") \$536,000,000 for
 5 fiscal year 1994 for environmental research, develop6 ment, and demonstration activities and for program
 7 management and support of the Office of Research
 8 and Development.
- 9 (2) EFFECT ON OTHER AUTHORIZATION.—
 10 Nothing in this Act shall affect amounts authorized
 11 for fiscal year 1994 for Superfund research activities
 12 as authorized by the Superfund Amendments and
 13 Reauthorization Act of 1986 (Public Law 99–499;
 14 100 Stat. 1613).
- 15 (b) Limitation on Closing Offices and Reduc-TIONS-IN-FORCE.—No funds appropriated pursuant to 16 this Act shall be used by the Administrator to close any 17 field station, regional office, laboratory, or other research center, or for any reduction-in-force, and no such closing 19 or reduction shall be finalized, unless at least thirty days prior to the issuing of any general notice of such closing 21 or reduction the Administrator informs the appropriate legislative and appropriations committees of the House of Representatives and the Senate in writing of the reasons for such closing or reduction, the impact of such closing

- 1 or reduction on carrying out the provisions of this Act,
- 2 the details of such reduction or closing, and other perti-
- 3 nent information.
- 4 (c) AVAILABILITY.—Appropriations made pursuant
- 5 to this Act shall remain available for obligation or expendi-
- 6 ture for such periods as may be specified in the Acts mak-
- 7 ing such appropriations.

8 SEC. 3. FUNDAMENTAL RESEARCH PROGRAMS.

- 9 (a) ESTABLISHMENT.—In addition to providing re-
- 10 search support for the regulatory needs of the program
- 11 offices, the Administrator shall establish separately identi-
- 12 fied research programs consisting of fundamental ecologi-
- 13 cal, health, and risk reduction research. Such research
- 14 shall be undertaken for the purpose of generating fun-
- 15 damental knowledge necessary to support efforts to iden-
- 16 tify, assess, and mitigate serious environmental risks.
- 17 (b) AUTHORITY.—In carrying out programs under
- 18 this section, the Administrator may support research on
- 19 environmental processes and trends, identification and as-
- 20 sessment of potential risks to human health and the envi-
- 21 ronment, and approaches to prevent and reduce such
- 22 risks. The Administrator is authorized to establish and
- 23 maintain resources, expertise, and facilities necessary to
- 24 the advancement of the fundamental research programs
- 25 established in this section.

- 1 (c) Science Advisory Board.—The Science Advi-
- 2 sory Board established under the Environmental Re-
- 3 search, Development, and Demonstration Authorization
- 4 Act of 1978 (hereafter in this Act referred to as the
- 5 "Science Advisory Board"), or a designated subcommittee
- 6 thereof, shall—

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- 7 (1) review the activities undertaken under the 8 programs established under subsection (a);
 - (2) make recommendations on the appropriate balance between the fundamental research and the programmatic research undertaken by the Environmental Protection Agency and update such recommendations at least every two years;
 - (3) make any recommendations with respect to the programs established under subsection (a) that the Science Advisory Board considers to be appropriate; and
- (4) every two years beginning in March 1994, submit to the Administrator and to the Congress a report containing the results of a review undertaken pursuant to paragraph (1) and the recommendations (with any updates thereto) made pursuant to paragraphs (2) and (3).
- 24 (d) Conforming Amendment.—Section 2 of the 25 Environmental Research, Development, and Demonstra-

- 1 tion Authorization Act of 1981 is amended by striking
- 2 subsection (f).
- 3 SEC. 4. ENVIRONMENTAL MONITORING AND ASSESSMENT
- 4 **PROGRAM.**
- 5 (a) ESTABLISHMENT.—The Administrator shall es-
- 6 tablish an Environmental Monitoring and Assessment
- 7 Program to conduct comprehensive, long-term environ-
- 8 mental monitoring, data collection, and data analysis as
- 9 a means of assessing and responding to the current and
- 10 long-term status and trends of the ecological resources of
- 11 the United States.
- 12 (b) COORDINATION.—The Administrator shall coordi-
- 13 nate the Environmental Monitoring and Assessment Pro-
- 14 gram activities with the heads of other Federal agencies
- 15 in order to identify, integrate, and fully utilize results of
- 16 related efforts undertaken by other agencies and minimize
- 17 duplication of efforts.
- 18 (c) Annual Report.—The Administrator shall pub-
- 19 lish an annual report identifying and assessing the per-
- 20 formance of the activities undertaken under the Environ-
- 21 mental Monitoring and Assessment Program, the effec-
- 22 tiveness of interagency coordination, and the contributions
- 23 of multiagency research to the advancement of research
- 24 goals.

(d) PUBLIC DATA.—The Administrator shall periodi-1 2 cally submit to Congress and make publicly available a compilation of any statistical data summaries and inter-3 4 pretive reports on ecological status and trends developed as a result of the Environmental Monitoring and Assessment Program. 6 SEC. 5. MODERNIZATION PROGRAM. 8 (a) Modernization Program.—The Administrator shall establish a modernization program designed to iden-10 tify, acquire, and maintain modern buildings, facilities, supplies and equipment needed to conduct high quality research. In carrying out this section, the Administrator shall ensure that such buildings, facilities, supplies, and equipment shall at a minimum meet the standards gen-14 erally accepted by the scientific community as appropriate for conducting research, including research instrumenta-16 tion replacement standards. 17 (b) Studies.—The Administrator shall conduct 18 studies— 19 20 (1) to evaluate and determine the adequacy of current buildings, facilities, supplies, and equipment 21 22 and identify future building, facility, supplies, equip-23 ment and research instrumentation needs; and 24 (2) to identify and assess future research per-25 sonnel needs and make recommendations for attract-

ing and retaining qualified scientists, engineers and 1 2 other personnel to meet such needs. (c) Deadline for Submission.—The studies re-3 quired by this section shall be submitted to the Committee on Science, Space, and Technology of the House of Representatives and the Committee on Environment and Public Works of the Senate within one year after the date 8 of enactment of this Act. SEC. 6. REPEAL OF 5-YEAR RESEARCH REPORT REQUIRE-10 MENT. 11 (a) Repeal.—Section 5 of the Environmental Research, Development, and Demonstration Authorization Act of 1976 is repealed. (b) AMENDMENTS TO THE ENVIRONMENTAL RE-14 SEARCH, DEVELOPMENT, AND DEMONSTRATION AUTHOR-IZATION ACT OF 1978.—The Environmental Research, Development, and Demonstration Authorization Act of 1978 is amended as follows: 19 (1) Strike section 4. 20 (2) Strike "including those defined in the fiveyear research plan" at the end of section 7(a). 21 22 (3) Strike section 8(c). (4) Strike "The Administrator shall include" 23

and all that follows through the end of the sub-

section in section 9(a).

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SEC. 7. SCIENCE ADVISORY BOARD.

- 2 (a) Annual Report.—The Science Advisory Board
- 3 shall submit to Congress and to the Administrator an an-
- 4 nual report that contains the views of the Science Advisory
- 5 Board on proposed research programs as described in the
- 6 President's budget request for research, development, and
- 7 demonstration activities at the Environmental Protection
- 8 Agency. Such report shall be submitted to Congress as
- 9 soon as practicable after the submission of the President's
- 10 budget to Congress. The Administrator shall cooperate
- 11 with the Director of the Science Advisory Board, particu-
- 12 larly with respect to the timely provision of budget infor-
- 13 mation to the Science Advisory Board, to allow the Science
- 14 Advisory Board to carry out its duties under this sub-
- 15 section.
- 16 (b) EVALUATION.—The Science Advisory Board shall
- 17 conduct periodic evaluations of selected areas of the cur-
- 18 rent and planned research, development, and demonstra-
- 19 tion activities of the Environmental Protection Agency.
- 20 The areas of evaluation shall be selected by the Science
- 21 Advisory Board in consultation with the Administrator,
- 22 the Office of Research and Development, other Agency
- 23 programs, the Committee on Science, Space, and Tech-
- 24 nology of the House of Representatives and the Committee
- 25 on Environment and Public Works of the Senate. Reports
- 26 containing the Science Advisory Board's evaluations and

- 1 recommendations shall be filed with such committees and
- 2 the Administrator. The Administrator shall provide to
- 3 such committees a written response to the Science Advi-
- 4 sory Board's evaluation and recommendations within sixty
- 5 days after the Science Advisory Board's report has been
- 6 submitted.
- 7 (c) CONCURRENT SUBMISSION TO CONGRESS.—Any
- 8 report required by law to be submitted by the Science Ad-
- 9 visory Board to the Administrator shall be concurrently
- 10 submitted to the Committee on Science, Space, and Tech-
- 11 nology of the House of Representatives and the Committee
- 12 on Environment and Public Works in the Senate.

13 SEC. 8. MISCELLANEOUS AUTHORIZATION FOR COOPERA-

- 14 TIVE AGREEMENTS.
- 15 In reviewing research, development and demonstra-
- 16 tion grant, contract, and cooperative agreement applica-
- 17 tions, the Administrator may enter into cooperative agree-
- 18 ments to conduct appropriate scientific and professional
- 19 reviews of such applications and may use research funds
- 20 authorized by this Act for such cooperative agreements.
- 21 SEC. 9. RESEARCH ACCOMPLISHMENTS REPORT.
- The Administrator shall submit an annual report to
- 23 the Committee on Science, Space, and Technology of the
- 24 House of Representatives and the Committee on Environ-
- 25 ment and Public Works of the Senate setting out the ac-

- 1 complishments of the research, development, and dem-
- 2 onstration programs for which funds are authorized by
- 3 this Act and the significance of such accomplishments to
- 4 the Environmental Protection Agency's mission.
- 5 SEC. 10. TECHNOLOGY TRANSFER AND INFORMATION EX-
- 6 CHANGE.
- 7 The Administrator shall carry out a program of envi-
- 8 ronmental technology transfer and exchange of scientific
- 9 and technical information designed to make full and effec-
- 10 tive use of the Agency's research, development, and dem-
- 11 onstration efforts. The Administrator may establish and
- 12 maintain resources necessary to advance such technology
- 13 transfer and information exchange program.
- 14 SEC. 11. RESEARCH TO SUPPORT THE EVALUATION OF
- 15 HEALTH AND ECOLOGICAL RISK.
- 16 (a) ESTABLISHMENT.—The Administrator shall es-
- 17 tablish a separately identified research program designed
- 18 to improve the capability of the Environmental Protection
- 19 Agency to identify, assess, and compare risks to public
- 20 health and natural ecosystems resulting from contamina-
- 21 tion of the environment.
- (b) Objectives.—Under the program authorized by
- 23 subsection (a), the Administrator may conduct research
- 24 to—

- (1) develop and improve methodologies for the comparison of risks to public health and natural ecosystems, including risks resulting from contamination of different environmental media;
 - (2) facilitate the monitoring of pollutants and contaminants discharged to the environment;
 - (3) identify and develop methodologies for assessing and reducing risks to natural ecosystems;
 - (4) develop and improve methodologies for the assessment of noncancer risks to public health and the integrated assessment of cancer and noncancer health risks;
 - (5) support any other activities of the Environmental Protection Agency relating to the identification, assessment, or comparison of risks to public health and natural ecosystems resulting from contamination of the environment; and
 - (6) develop improved methodologies for evaluating the benefits, both quantitatively and qualitatively, of ecological protection activities, including improved methods to value natural resources and to account for long-term environmental effects in the Agency's economic analysis.