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(Original Signature of Member)

115TH CONGRESS
2D SESSION

H. R. _____

To direct that certain assessments with respect to toxicity of chemicals be carried out by the program offices of the Environmental Protection Agency, and for other purposes.

IN THE HOUSE OF REPRESENTATIVES

M____. _____ introduced the following bill; which was referred to the
Committee on _____

A BILL

To direct that certain assessments with respect to toxicity of chemicals be carried out by the program offices of the Environmental Protection Agency, 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 “Improving Science in
5 Chemical Assessments Act”.

1 **SEC. 2. RESEARCH NEEDS AND PRIORITIES OF EPA PRO-**
2 **GRAM OFFICES.**

3 The Environmental Research, Development, and
4 Demonstration Authorization Act is amended by striking
5 section 7 (42 U.S.C. 4364) and inserting the following:

6 **“SEC. 7. RESEARCH NEEDS AND PRIORITIES OF EPA PRO-**
7 **GRAM OFFICES.**

8 “(a) IN GENERAL.—The Administrator of the Envi-
9 ronmental Protection Agency shall assure that the expend-
10 iture of any funds appropriated pursuant to this Act or
11 any other provision of law for environmental research and
12 development related to regulatory program activities shall
13 be coordinated with and reflect the research needs and pri-
14 orities of the relevant program offices, as well as the over-
15 all research needs and priorities of the Agency, including
16 those defined in the five-year research plan.

17 “(b) HAZARD IDENTIFICATION AND DOSE RESPONSE
18 ASSESSMENTS.—Beginning on the date of the enactment
19 of the Improving Science in Chemical Assessments Act,
20 any covered assessments carried out with respect to a
21 chemical substance through the Integrated Risk Informa-
22 tion System program of the Environmental Protection
23 Agency as of the day before such date of enactment shall,
24 in lieu of being carried out through such program, be car-
25 ried out by the relevant program office of the Environ-
26 mental Protection Agency, so long as the relevant program

1 office determines there is a need for such an assessment.
2 Such an assessment shall be carried out using the sci-
3 entific standards specified in section 7B and be based on
4 the weight of the scientific evidence.

5 “(c) TOXICITY VALUES.—In carrying out a covered
6 assessment with respect to a chemical substance under
7 subsection (a), the relevant program office shall assign a
8 toxicity value or values, when scientifically supported by
9 the available data, for such chemical substance. With re-
10 spect to that assignment, the following shall apply:

11 “(1) When supported by the available data, the
12 toxicity value or values shall include a range of point
13 estimates of risk as well as sources and magnitudes
14 of uncertainty associated with the estimates.

15 “(2) When multiple point estimates can be de-
16 veloped, the relevant program office shall—

17 “(A) consider all datasets; and

18 “(B) make a determination about how best
19 to represent the human health risk posed by the
20 chemical substance involved.

21 “(d) CHEMICAL ASSESSMENT DATABASE.—

22 “(1) IN GENERAL.—A toxicity value or values
23 assigned to a chemical substance under subsection
24 (c) shall be included in a chemical assessment data-
25 base to be maintained by the Office of Research and

1 Development of the Environmental Protection Agen-
2 cy.

3 “(2) COMPLETED ASSESSMENTS.—All covered
4 assessments stored, as of the date of the enactment
5 of this Act, in the IRIS database of the Environ-
6 mental Protection Agency shall be retained in the
7 chemical assessment database established pursuant
8 to paragraph (1).

9 “(3) UPDATES.—Such database shall be up-
10 dated pursuant to a covered assessment performed
11 by a relevant program office, including to make a
12 change in the existing toxicity value or values for a
13 chemical substance included in such database.

14 “(e) CERTIFICATION.—Beginning 2 years after the
15 date of the enactment of the Improving Science in Chem-
16 ical Assessments Act and every 2 years thereafter, the Of-
17 fice of Research and Development of the Environmental
18 Protection Agency shall submit to the Committee on
19 Science, Space, and Technology and the Committee on
20 Energy and Commerce of the House of Representatives
21 and the Committee on Environment and Public Works of
22 the Senate, a report containing a certification that each
23 covered assessment completed during the period covered
24 by the report was conducted using the scientific standards
25 specified in section 7B.

1 “(f) DEFINITIONS.—In this section:

2 “(1) The term ‘covered assessment’ means, with
3 respect to the evaluation of the human health effects
4 resulting from chronic exposure to a chemical sub-
5 stance, a chemical hazard identification and dose re-
6 sponse assessment (as such terms are defined by the
7 Environmental Protection Agency on the day before
8 the date of the enactment of this Act).

9 “(2) The term ‘relevant program office’ in-
10 cludes the following offices of the Environmental
11 Protection Agency:

12 “(A) The Office of Water.

13 “(B) The Office of Air and Radiation.

14 “(C) The Office of Land and Emergency
15 Management.

16 “(D) The Office of Chemical Safety and
17 Pollution Prevention.

18 “(E) Any successor to an office specified in
19 subparagraphs (A) through (D) and any other
20 office determined to be relevant by the Adminis-
21 trator of the Environmental Protection Agency.

22 **“SEC. 7A. HAZARD IDENTIFICATION AND DOSE RESPONSE**
23 **STEERING COMMITTEE.**

24 “(a) ESTABLISHMENT.—Not later than 30 days after
25 the date of the enactment of this Act, the Administrator

1 of the Environmental Protection Agency shall establish a
2 chemical hazard identification and dose response steering
3 committee (referred to in this Act as the ‘steering com-
4 mittee’) to coordinate the conduct of covered assessments
5 by relevant program offices for purposes of ensuring that,
6 with respect to such assessments, there is no duplication
7 of effort by such offices.

8 “(b) DUTY.—The duties of the steering committee
9 are the following:

10 “(1) If the steering committee learns that more
11 than one relevant program office intends to conduct
12 covered assessments with respect to the same chem-
13 ical substance, the steering committee shall deter-
14 mine the most effective means of carrying out a sin-
15 gular covered assessment to prevent duplication of ef-
16 fort by such offices.

17 “(2) For purposes of supplementing a covered
18 assessment, the steering committee shall consider
19 any third-party assessment of a chemical substance
20 generated by another Federal, State, or inter-
21 national agency or agencies or members of the sci-
22 entific community that meets the requirements spec-
23 ified in subsection (e).

24 “(c) CHAIR; COMPOSITION.—

1 “(1) CHAIR.—The steering committee shall be
2 chaired by the Assistant Administrator of the Office
3 of Research and Development of the Environmental
4 Protection Agency.

5 “(2) COMPOSITION.—The steering committee
6 shall be composed of 15 members, all of whom shall
7 be active, full-time employees of the Environmental
8 Protection Agency, with at least one member rep-
9 resenting each relevant program office and each re-
10 gional office of the Environmental Protection Agen-
11 cy. The members of the steering committee shall be
12 appointed by the Administrator of the Environ-
13 mental Protection Agency. Any vacancy shall be
14 filled in the same manner as the initial appointment.

15 “(d) MEETINGS.—The steering committee shall meet
16 at least once each calendar year.

17 “(e) THIRD PARTY ASSESSMENT REQUIREMENTS.—
18 The requirements specified in this subsection with respect
19 to a third-party assessment of a chemical substance are
20 that the assessment —

21 “(1) is conducted using scientific standards
22 specified in section 7B;

23 “(2) has undergone independent scientific re-
24 view for transparency, completeness, and quality;
25 and

1 “(3) reflects the best available science and the
2 weight of the available scientific evidence.

3 **“SEC. 7B. SCIENTIFIC STANDARDS.**

4 “ Covered assessments carried out under section 7
5 and discussion of such assessments and review of third
6 party assessments carried out under section 7A, shall be
7 conducted using scientific information, technical proce-
8 dures, measures, methods, protocols, methodologies, or
9 models in a manner consistent with the best available
10 science. In carrying out such an assessment, the relevant
11 program office shall integrate all lines of scientific evi-
12 dence and consider, as applicable—

13 “(1) the extent to which the scientific informa-
14 tion, technical procedures, measures, methods, proto-
15 cols, methodologies, or models employed to generate
16 the scientific information are reasonable for and con-
17 sistent with the intended use of the scientific infor-
18 mation;

19 “(2) the extent to which the scientific informa-
20 tion is relevant for the relevant program office’s use
21 in making a decision about a chemical substance;

22 “(3) the degree of clarity and completeness with
23 which the data, assumptions, methods, quality assur-
24 ance, analyses employed to generate the scientific in-
25 formation are documented and publicly available in

1 a manner that honors legal and ethical obligations to
2 reduce the risks of unauthorized disclosure and re-
3 identification;

4 “(4) the extent to which the variability and un-
5 certainty in the scientific information, or in the pro-
6 cedures, measures, methods, protocols, methodolo-
7 gies, or models, are evaluated and characterized;

8 “(5) the extent of independent verification or
9 peer review of the scientific information or of the
10 procedures, measures, methods, protocols, meth-
11 odologies, or models;

12 “(6) the ability of the scientific findings and re-
13 search to be replicated or reproduced; and

14 “(7) the extent to which the available scientific
15 information supports dose-response modeling, using
16 non-linear approaches.”.