

116TH CONGRESS  
1ST SESSION

**S.** \_\_\_\_\_

To require the Director of the United States Geological Survey to perform a nationwide survey of perfluorinated compounds, and for other purposes.

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IN THE SENATE OF THE UNITED STATES

Ms. STABENOW (for herself, Mr. ROUNDS, Mr. PETERS, Mr. TILLIS, and Mr. BURR) introduced the following bill; which was read twice and referred to the Committee on \_\_\_\_\_

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**A BILL**

To require the Director of the United States Geological Survey to perform a nationwide survey of perfluorinated compounds, 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 “PFAS Detection Act  
5 of 2019”.

6 **SEC. 2. DEFINITIONS.**

7 In this Act:

1           (1) ADMINISTRATOR.—The term “Adminis-  
2           trator” means the Administrator of the Environ-  
3           mental Protection Agency.

4           (2) DIRECTOR.—The term “Director” means  
5           the Director of the United States Geological Survey.

6           (3) PERFLUORINATED COMPOUND.—

7           (A) IN GENERAL.—The term  
8           “perfluorinated compound” means a  
9           perfluoroalkyl substance or a polyfluoroalkyl  
10          substance that is manmade with at least 1 fully  
11          fluorinated carbon atom.

12          (B) DEFINITIONS.—In this definition:

13           (i) FULLY FLUORINATED CARBON  
14           ATOM.—The term “fully fluorinated carbon  
15           atom” means a carbon atom on which all  
16           the hydrogen substituents have been re-  
17           placed by fluorine.

18           (ii) NON-FLUORINATED CARBON  
19           ATOM.—The term “nonfluorinated carbon  
20           atom” means a carbon atom on which no  
21           hydrogen substituents have been replaced  
22           by fluorine.

23           (iii) PARTIALLY FLUORINATED CAR-  
24           BON ATOM.—The term “partially  
25           fluorinated carbon atom” means a carbon

1 atom on which some, but not all, of the hy-  
2 drogen substituents have been replaced by  
3 fluorine.

4 (iv) PERFLUOROALKYL SUBSTANCE.—  
5 The term “perfluoroalkyl substance”  
6 means a manmade chemical of which all of  
7 the carbon atoms are fully fluorinated car-  
8 bon atoms.

9 (v) POLYFLUOROALKYL SUB-  
10 STANCE.—The term “polyfluoroalkyl sub-  
11 stance” means a manmade chemical con-  
12 taining a mix of fully fluorinated carbon  
13 atoms, partially fluorinated carbon atoms,  
14 and nonfluorinated carbon atoms.

15 **SEC. 3. PERFORMANCE STANDARD FOR THE DETECTION**  
16 **OF PERFLUORINATED COMPOUNDS.**

17 (a) IN GENERAL.—The Director shall establish a per-  
18 formance standard for the detection of perfluorinated  
19 compounds.

20 (b) EMPHASIS.—

21 (1) IN GENERAL.—In developing the perform-  
22 ance standard under subsection (a), the Director  
23 shall emphasize the ability to detect as many  
24 perfluorinated compounds present in the environ-

1       ment as possible using analytical methods that are  
2       as sensitive as is feasible and practicable.

3           (2) REQUIREMENT.—In developing the per-  
4       formance standard under subsection (a), the Direc-  
5       tor may—

6           (A) develop quality assurance and quality  
7       control measures to ensure accurate sampling  
8       and testing;

9           (B) develop a training program with re-  
10      spect to the appropriate method of sample col-  
11      lection and analysis of perfluorinated com-  
12      pounds; and

13          (C) coordinate as necessary with the Ad-  
14      ministrators to develop methods to detect indi-  
15      vidual and different perfluorinated compounds  
16      simultaneously.

17 **SEC. 4. NATIONWIDE SAMPLING.**

18       (a) IN GENERAL.—The Director shall carry out a na-  
19      tionwide sampling to determine the concentration of  
20      perfluorinated compounds in estuaries, lakes, streams,  
21      springs, wells, wetlands, rivers, aquifers, and soil using the  
22      performance standard developed under section 3(a).

23       (b) REQUIREMENTS.—In carrying out the sampling  
24      under subsection (a), the Director shall—

1           (1) first carry out the sampling at sources of  
2 drinking water near locations with known or sus-  
3 pected releases of perfluorinated compounds;

4           (2) when carrying out sampling of sources of  
5 drinking water under paragraph (1), carry out the  
6 sampling prior to any treatment of the water;

7           (3) survey for ecological exposure to  
8 perfluorinated compounds, with a priority in deter-  
9 mining direct human exposure through drinking  
10 water; and

11           (4) consult with—

12                 (A) States to determine areas that are a  
13 priority for sampling; and

14                 (B) the Administrator—

15                         (i) to enhance coverage of the sam-  
16 pling; and

17                         (ii) to avoid unnecessary duplication.

18           (c) REPORT.—Not later than 90 days after the com-  
19 pletion of the sampling under subsection (a), the Director  
20 shall prepare a report describing the results of the sam-  
21 pling and submit the report to—

22                 (1) the Committee on Environment and Public  
23 Works and the Committee on Energy and Natural  
24 Resources of the Senate;

1           (2) the Committee on Energy and Commerce of  
2           the House of Representatives;

3           (3) the Senators of each State in which the Di-  
4           rector carried out the sampling; and

5           (4) each Member of the House of Representa-  
6           tives that represents a district in which the Director  
7           carried out the sampling.

8   **SEC. 5. DATA USAGE.**

9           (a) IN GENERAL.—The Director shall provide the  
10          sampling data collected under section 4 to—

11           (1) the Administrator of the Environmental  
12          Protection Agency; and

13           (2) other Federal and State regulatory agencies  
14          on request.

15          (b) USAGE.—The sampling data provided under sub-  
16          section (a) shall be used to inform and enhance assess-  
17          ments of exposure, likely health and environmental im-  
18          pacts, and remediation priorities.

19   **SEC. 6. COLLABORATION.**

20          In carrying out this Act, the Director shall collabo-  
21          rate with—

22           (1) appropriate Federal and State regulators;

23           (2) institutions of higher education;

24           (3) research institutions; and

25           (4) other expert stakeholders.

1 **SEC. 7. AUTHORIZATION OF APPROPRIATIONS.**

2       There are authorized to be appropriated to the Direc-  
3 tor to carry out this Act—

4               (1) \$5,000,000 for fiscal year 2020; and

5               (2) \$10,000,000 for each of fiscal years 2021  
6 through 2024.