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SENATE FILE 320

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Passed Senate, Date _____ Passed House, Date _____
Vote: Ayes _____ Nays _____ Vote: Ayes _____ Nays _____
Approved _____

A BILL FOR

1 An Act relating to surface water and groundwater monitoring,
2 establishing a biological marker system task force, and making
3 appropriations.

4 BE IT ENACTED BY THE GENERAL ASSEMBLY OF THE STATE OF IOWA:

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SF 320
NAT. RES. & ENVIRONMENT

1 Section 1. NEW SECTION. 455B.282 SURFACE WATER AND
2 GROUNDWATER MONITORING.

3 1. The commission shall establish and administer a long-
4 term surface water monitoring program which includes, at a
5 minimum, all of the following elements:

6 a. A significant number of fixed monitoring sites selected
7 to include a full array of geographical conditions and
8 watershed sizes.

9 b. Inclusion of lakes, reservoirs, ponds, and wetlands in
10 regular surface water monitoring.

11 c. High frequency of sampling at a significant number of
12 fixed station sites to provide information on contaminant
13 concentration and movement.

14 d. Analysis of samples for common pesticides at all fixed
15 station sites and analysis of pesticide metabolites at all
16 fixed station sites located at large river monitoring sites.

17 e. Implementation of watershed-based rotational monitoring
18 where a portion of the watersheds are intensively monitored on
19 a cyclical basis of one out of every five years.

20 f. Incorporation of biological monitoring into the
21 monitoring for all sites.

22 g. Surface water problem assessment and research.

23 h. Establishment and administration of a publicly owned
24 lake protection program designed to monitor, improve, restore,
25 and protect the environmental quality of all publicly owned
26 lakes in the state.

27 2. The commission shall establish and administer a long-
28 term groundwater monitoring program which includes, at a
29 minimum, the following elements:

30 a. Fixed station, long-term monitoring to collect baseline
31 data for trend analysis in six major aquifers and six hundred
32 fifteen wells. Water levels at the aquifer and well sites
33 shall be monitored and each site shall be regularly sampled
34 for inorganics, common herbicides, and selected volatile
35 organic compounds.

1 b. An ambient rotational groundwater quality monitoring
2 program. The program shall be conducted in a manner
3 consistent with at least the highest level of monitoring
4 conducted by the department prior to 1992.

5 c. Identification of groundwater quality issues and
6 conducting of research needed to address the issues. The
7 issues shall initially include, but not be limited to, all of
8 the following:

9 (1) Identification of storage and handling of hazardous
10 materials and facilities.

11 (2) The relative contribution of point and nonpoint
12 sources of groundwater contamination.

13 (3) The presence of organic chemicals in unsaturated
14 zones.

15 (4) The effects of large withdrawals on aquifers.

16 (5) Identification of recharge zones for all aquifers.

17 Sec. 2. BIOLOGICAL MARKER SYSTEM TASK FORCE. The
18 department of natural resources shall establish a biological
19 marker system task force. The task force shall examine issues
20 and provide recommendations to the department regarding the
21 creation of a biological marker system for the state.
22 Recommendations shall be submitted to the department by
23 December 31, 1999.

24 Sec. 3. APPROPRIATION. There is appropriated from the
25 general fund of the state to the department of natural
26 resources for the fiscal year beginning July 1, 1999, and
27 ending June 30, 2000, the following amount, or so much thereof
28 as is necessary, to be used for the purposes designated:

29 For funding a feasibility study for the establishment of
30 the surface water and groundwater monitoring programs as
31 required by section 455B.282, including salaries, support,
32 maintenance, and miscellaneous purposes:

33 \$ 56,000

34 Notwithstanding section 8.33, moneys appropriated in this
35 section which remain unexpended or unobligated on June 30,

1 2000, shall not revert to the general fund of the state but
2 shall remain available for the purposes designated for the
3 fiscal year beginning July 1, 2000.

4 Sec. 4. APPROPRIATION. There is appropriated from the
5 general fund of the state to the department of natural
6 resources for the fiscal year beginning July 1, 1999, and
7 ending June 30, 2000, the following amount, or so much thereof
8 as is necessary, to be used for the purposes designated:

9 For the surface water and groundwater monitoring programs
10 established in section 455B.282, including salaries, support,
11 maintenance, and miscellaneous purposes:

12 \$ 1,000,000

13 Notwithstanding section 8.33, moneys appropriated in this
14 section which remain unexpended or unobligated on June 30,
15 2000, shall not revert to the general fund of the state but
16 shall remain available for the purposes designated for the
17 fiscal year beginning July 1, 2000.

18 EXPLANATION

19 This bill requires the department of natural resources to
20 conduct long-term monitoring programs for surface water and
21 groundwater in the state.

22 The bill provides that the surface water monitoring program
23 shall include a significant number of fixed monitoring sites,
24 the inclusion of lakes, reservoirs, ponds, and wetlands in
25 monitoring, high frequency sampling at fixed sites, analysis
26 for common pesticides and analysis of pesticide metabolites at
27 fixed sites at large river monitoring sites, implementation of
28 watershed-based rotational monitoring, incorporation of
29 biological monitoring into the monitoring of all sites, and
30 establishing and administering a publicly owned lake
31 protection program.

32 The bill provides that the groundwater monitoring program
33 shall include long-term fixed station monitoring to collect
34 baseline data for trend analysis in six major aquifers and 615
35 wells, conduct an ambient rotational groundwater quality

1 monitoring program, and identify and research groundwater
2 issues.

3 The bill requires the department of natural resources to
4 establish a biological marker system task force to provide
5 recommendations to the department regarding the creation of a
6 biological marker system.

7 The bill appropriates to the department of natural
8 resources \$1,056,000 for the surface water and groundwater
9 monitoring program and for a feasibility study of the program.

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