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NAT. RES. & ENVIRONMENT

SENATE FILE 2207

BY VILSACK

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 and
2 making an appropriation.

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

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S.F. 2207

1 Section 1. NEW SECTION. 4556.282 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 types.

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. A system of sampling for common pesticides in all lakes
15 extending over a five year period, including at least
16 one sampling station at each river confluence and

17 one sampling station at each of the major tributaries of
18 each of the five rivers. The sampling frequency of
19 each station shall be at least once every five years.

20 e. Inclusion of biological monitoring as an
21 monitoring tool for all lakes.

22 f. Proper assessment and revision.

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

26 a. A long-term, long-term monitoring network which
27 data will be analyzed in six major aquifers. Other wells
28 at all aquifer sites shall be monitored and each site shall be
29 regularly sampled for inorganics, common pesticides, and
30 selected volatile organic compounds.

31 b. An ambient rotational groundwater quality monitoring
32 program conducted in cooperation with the United States
33 geological survey and the university of Iowa hygienic
34 laboratory.

35 c. Identification of groundwater quality issues and

1 conducting of research needed to address the issues. The
2 issues shall initially include, but not be limited to, all of
3 the following:

4 (1) Identification of storage and handling of hazardous
5 materials and facilities.

6 (2) The relative contribution of point and nonpoint
7 sources of groundwater contamination.

8 (3) Organic chemicals in unsaturated zones.

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

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

11 Sec. 2. APPROPRIATION. There is appropriated from the
12 general fund of the state to the department of natural
13 resources for the fiscal year beginning July 1, 1998, and
14 ending June 30, 1999, the following amount, or so much thereof
15 as is necessary, to be used for the purposes designated:

16 For the surface water and groundwater monitoring programs,
17 including salaries, support, maintenance, miscellaneous
18 purposes, and for not more than the following full-time
19 equivalent positions:

20	\$ 1,000,000
21	FTEs 2.00

22 Notwithstanding section 8.33, moneys appropriated in this
23 section which remain unexpended or unobligated on June 30,
24 1999, shall not revert to the general fund of the state but
25 shall remain available for the purposes designated for the
26 fiscal year beginning July 1, 1999.

27 EXPLANATION

28 This bill requires the department of natural resources to
29 conduct long-term monitoring programs for surface water and
30 groundwater in the state.

31 The bill provides that the surface water monitoring program
32 shall include a significant number of fixed monitoring sites,
33 the inclusion of lakes, reservoirs, ponds, and wetlands in
34 monitoring, high frequency sampling at fixed sites, analysis
35 for common pesticides and analysis of pesticide metabolites at

1 fixed sites at large river monitoring sites, implementation of
2 watershed-based rotational monitoring, and incorporation of
3 biological monitoring into the monitoring of all sites.

4 The bill provides that the groundwater monitoring program
5 shall include long-term fixed station monitoring to collect
6 baseline data for trend analysis in six major aquifers,
7 conduct an ambient rotational groundwater quality monitoring
8 program, and identify and research groundwater issues.

9 The bill appropriates to the department of natural
10 resources \$1 million for the surface water and groundwater
11 monitoring programs.

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