

FILED FEB 13 1998

NAT. RES. & ENVIRONMENT

SENATE FILE 2222

BY JUDGE

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 watershed monitoring, and making appropriations.

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

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S.F. 2222

1 Section 1. NEW SECTION. 161C.7 WATERSHED PROGRAM.

2 The division shall develop and implement a watershed
3 program to address, examine, and provide possible suggestions
4 for issues involving soil conservation, water quality
5 protection, and flood control objectives in all watersheds in
6 the state. The information resulting from this program shall
7 be used by soil and water conservation districts to develop
8 and implement water quality and watershed projects in the
9 state.

10 Sec. 2. NEW SECTION. 455B.282 SURFACE WATER AND
11 GROUNDWATER MONITORING.

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

15 a. A significant number of fixed monitoring sites selected
16 to include a full array of geographical conditions and
17 watershed sizes.

18 b. Inclusion of lakes, reservoirs, ponds, and wetlands in
19 regular surface water monitoring.

20 c. High frequency of sampling at a significant number of
21 fixed station sites to provide information on contaminant
22 concentration and movement.

23 d. Analysis of samples for common pesticides at all fixed
24 station sites and analysis of pesticide metabolites at all
25 fixed station sites located at large river monitoring sites.

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

29 f. Incorporation of biological monitoring into the
30 monitoring for all sites.

31 g. Problem assessment and research.

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

35 a. Fixed station, long-term monitoring to collect baseline

1 data for trend analysis in six major aquifers. Water levels
2 at the aquifer sites shall be monitored and each site shall be
3 regularly sampled for inorganics, common herbicides, and
4 selected volatile organic compounds.

5 b. An ambient rotational groundwater quality monitoring
6 program conducted in cooperation with the United States
7 geological survey and the university of Iowa hygienic
8 laboratory.

9 c. Identification of groundwater quality issues and
10 conducting of research needed to address the issues. The
11 issues shall initially include, but not be limited to, all of
12 the following:

13 (1) Identification of storage and handling of hazardous
14 materials and facilities.

15 (2) The relative contribution of point and nonpoint
16 sources of groundwater contamination.

17 (3) Organic chemicals in unsaturated zones.

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

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

20 Sec. 3. APPROPRIATION. There is appropriated from the
21 general fund of the state to the department of natural
22 resources for the fiscal year beginning July 1, 1998, and
23 ending June 30, 1999, the following amount, or so much thereof
24 as is necessary, to be used for the purposes designated:

25 For the surface water and groundwater monitoring programs,
26 including salaries, support, maintenance, miscellaneous
27 purposes, and for not more than the following full-time
28 equivalent positions:

29	\$	1,000,000
30	FTEs	2.00

31 Notwithstanding section 8.33, moneys appropriated in this
32 section which remain unexpended or unobligated on June 30,
33 1999, shall not revert to the general fund of the state but
34 shall remain available for the purposes designated for the
35 fiscal year beginning July 1, 1999.

1 The bill provides that the department of agriculture and
2 land stewardship, division of soil conservation, shall develop
3 and implement a watershed program to address, examine, and
4 provide possible suggestions for issues involving soil
5 conservation, water quality protection, and flood control
6 objectives in all watersheds in the state. This information
7 shall be used by soil and water conservation districts to
8 develop and implement water quality and watershed projects in
9 the state.

10 The bill appropriates to the department of natural
11 resources \$1 million for the surface water and groundwater
12 monitoring programs. The bill appropriates to the department
13 of agriculture and land stewardship \$400,000 for the watershed
14 program.

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