

2/26/98 Referred To: Approp.
FILED FEB 25 1998

SENATE FILE 2344
BY COMMITTEE ON NATURAL
RESOURCES AND ENVIRONMENT

(SUCCESSOR TO SF 2207)

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. 2344

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

3 1. The commission shall contract with Iowa state
4 university or a private firm to establish and administer a
5 long-term surface water monitoring program which includes, at
6 a minimum, all of the following elements:

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

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

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

15 d. Establishment of an atmospheric deposition monitoring
16 network to measure pesticides and nutrients in rainwater.

17 e. Analysis of samples for common pesticides at all fixed
18 station sites and analysis of pesticide metabolites at all
19 fixed station sites located at large river monitoring sites.

20 f. Implementation of watershed-based rotational monitoring
21 where a portion of the watersheds are intensively monitored on
22 a cyclical basis of one out of every five years.

23 g. Incorporation of biological monitoring into the
24 monitoring for all sites.

25 h. Problem assessment and research.

26 2. The commission shall contract with Iowa state
27 university or a private firm to establish and administer a
28 long-term groundwater monitoring program which includes, at a
29 minimum, the following elements:

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

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

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

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

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

10 (4) 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 support, maintenance, and miscellaneous purposes:
18 \$ 300,000

19 Notwithstanding section 8.33, moneys appropriated in this
20 section which remain unexpended or unobligated on June 30,
21 1999, shall not revert to the general fund of the state but
22 shall remain available for the purposes designated for the
23 fiscal year beginning July 1, 1999.

24 EXPLANATION

25 This bill requires the department of natural resources to
26 contract with Iowa state university or a private firm to
27 conduct long-term monitoring programs for surface water and
28 groundwater in the state.

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

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

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

8 The bill appropriates to the department of natural
9 resources \$300,000 for the surface water and groundwater
10 monitoring programs.

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1 Amend Senate File 2344 as follows:

2 1. Page 1, by inserting before line 1 the
3 following:

4 "Section 1. NEW SECTION. 161C.7 WATERSHED
5 PROGRAM.

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

15 2. Page 2, line 18, by striking the figure
16 "300,000" and inserting the following: "1,000,000".

17 3. Page 2, by inserting after line 23 the
18 following:

19 "Sec. ____ . APPROPRIATION. There is appropriated
20 from the general fund of the state to the department
21 of agriculture and land stewardship for the fiscal
22 year beginning July 1, 1998, and ending June 30, 1999,
23 the following amount, or so much thereof as is

24 necessary, to be used for the purposes designated:

25 For the watershed program, including salaries,
26 support, maintenance, miscellaneous purposes, and for
27 not more than the following full-time equivalent
28 positions:

29	\$	400,000
30	FTEs	2.00

31 Notwithstanding section 8.33, moneys appropriated
32 in this section which remain unexpended or unobligated
33 on June 30, 1999, shall not revert to the general fund
34 of the state but shall remain available for the
35 purposes designated for the fiscal year beginning July
36 1, 1999."

37 4. Title page, line 1, by inserting after the
38 word "monitoring" the following: ", watershed
39 monitoring,".

40 5. By renumbering as necessary.

By PATTY JUDGE