
A BILL FOR AN ACT

RELATING TO WATER POLLUTION.

BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF HAWAII:

1 SECTION 1. The legislature finds that there are certain
2 areas designated by the department of health, implementing an
3 Environmental Protection Agency program, as water quality
4 limited segments. These designated water quality limited
5 segments are areas where the water quality is impaired and are
6 usually found near river or stream mouths. Included in this
7 category are Pearl harbor, Honolulu harbor, Keehi lagoon, and
8 the Ala Wai basin.

9 A technology called bioremediation may help to clean up
10 these water quality limited segments. Bioremediation utilizes
11 the presence of biological agents, from plants to
12 microorganisms, to consume toxic compounds or other water
13 pollutants in impaired water. One example of bioremediation is
14 the use of micro-bacteria in sewage treatment plants to consume
15 and filter out pathogenic agents in the effluent. Another more
16 visible example of bioremediation is the use of akulikuli plants
17 placed on floating platforms in the Ala Wai canal to draw
18 nitrogen, phosphorus, and algae from the polluted canal waters.



1 The purpose of this Act is to direct the department of
2 health to utilize bioremediation as a priority method of
3 reducing pollution in water quality limited segments.

4 SECTION 2. Section 342E-1, Hawaii Revised Statutes, is
5 amended by adding a new definition to be appropriately inserted
6 and to read as follows:

7 "Bioremediation" means the use of biological agents,
8 including but not limited to microorganisms, bacteria,
9 invertebrates, and plants, in hydrologic environments to remove
10 or mitigate the presence of pollutants."

11 SECTION 3. Chapter 342E, Hawaii Revised Statutes, is
12 amended by adding a new section to be appropriately designated
13 and to read as follows:

14 "§342E- Bioremediation. The department shall include,
15 as a priority in its best management practices and programs, the
16 use of bioremediation methods for preventing and mitigating
17 point and nonpoint source pollution in state waters."

18 SECTION 4. New statutory material is underscored.

19 SECTION 5. This Act shall take effect upon its approval.

20

INTRODUCED BY:

Michelle Carroll
[Signature]
[Signature]

Lyla B. Berg
[Signature]
John M. ...
Cindy Evans



H.B. NO. 3006

Wm. Now

JAN 25 2006



HB 3006

Report Title:

Water Pollution; Bioremediation

Description:

Directs DOH to utilize bioremediation as a priority method in dealing with water pollution.

