

By Mr. Alexander of Marblehead, petition of Lawrence R. Alexander and other members of the General Court relative to improving the monitoring of radiation in and around nuclear reactors. Energy.

**The Commonwealth of Massachusetts**

In the Year One Thousand Nine Hundred and Eighty-Seven.

AN ACT IMPROVING THE MONITORING OF RADIATION IN AND AROUND NUCLEAR REACTORS.

*Be it enacted by the Senate and House of Representatives in General Court assembled, and by the authority of the same, as follows:*

1 Subsection (1) of Paragraph (B) of Section 5K of Chapter 111  
2 of the General Laws is hereby amended by inserting after the first  
3 sentence the following sentence: —

4 Such network shall include, but not be limited to, the  
5 following: —

6 (1) monitors to measure instantaneously the type and quantity  
7 of gaseous radioactive effluents at each stack and gaseous release  
8 point at each nuclear reactor,

9 (2) monitors to measure instantaneously the type and  
10 quantities of liquid radioactive effluent at each liquid release point  
11 at each nuclear reactor,

12 (3) a ring of monitors around each nuclear reactor to measure  
13 instantaneously the gross gamma radiation off-site,

14 (4) a dedicated data link with access to all data points in the  
15 computers at each nuclear reactor, and

16 (5) a centralized computer complex staffed by the department  
17 and capable of integrating the data from the above four  
18 monitoring systems.

1 SECTION 2. Said Section 5K of said Chapter 111 is hereby  
2 amended by striking out Paragraph (D) and inserting in place  
3 thereof the following paragraph: —

4 (D) The operators of nuclear reactors shall be assessed  
5 reasonable charges to recover all of the expenses to the department  
6 incurred from the implementation of this section.