

# MAINE STATE LEGISLATURE

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# 115th MAINE LEGISLATURE

FIRST REGULAR SESSION-1991

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Legislative Document

No. 800

H.P. 557

House of Representatives, February 25, 1991

Reference to the Committee on Human Resources suggested and ordered printed.

A handwritten signature in cursive script that reads "Ed Pert".

EDWIN H. PERT, Clerk

Presented by Representative HOLT of Bath.

Cosponsored by Representative KILKELLY of Wiscasset, Representative COLES of Harpswell and Senator FOSTER of Hancock.

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STATE OF MAINE

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IN THE YEAR OF OUR LORD  
NINETEEN HUNDRED AND NINETY-ONE

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**An Act to Protect the Public Health by Strengthening Maine's Radiation  
Protection Program.**

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Be it enacted by the People of the State of Maine as follows:

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4       Sec. 1. 22 MRSA §664, sub-§2, as enacted by PL 1987, c. 519,  
§1, is amended to read:

6       2. **Monitoring.** Each nuclear power plant licensee shall  
8 permit monitoring, for the purposes of this chapter, of the  
premises, equipment and materials, including source, special  
10 nuclear and by-product materials, in its possession or use, or  
subject to its control. For the purposes of this subsection,  
12 ~~monitoring~~ "monitoring" means observing the conduct of  
operations, including maintenance, quality assurance activities,  
14 the preparation, transportation and handling of radioactive  
waste, emissions monitoring, radiation protection and the  
16 observation of emergency preparedness tests and drills. Nothing  
in this chapter prohibits a State Nuclear Safety Inspector from  
18 participating in licensee training activities which that are  
scheduled for licensee personnel.

20 In addition, each nuclear power plant licensee shall install,  
22 operate, upgrade and maintain to best available technology  
standards the following monitoring systems:

24       A. On-line, automated, isotopic gaseous effluent monitoring  
26 systems capable of identifying and measuring radioactive  
isotopes and radioactivity, including, but not limited to,  
28 particulates, volatile iodines and noble gases, in all  
gaseous discharges into the environment; and

30       B. On-line, automated, liquid effluent monitoring systems  
32 capable of identifying and monitoring radioactive isotopes  
and radioactivity in all liquid discharges into the  
34 environment.

36 Each nuclear power plant shall install, operate, maintain and  
upgrade to best available technology standards an on-site,  
38 dedicated, sealed telemetry processor capable of controlling and  
recording the mechanical and analytical activities of any  
40 monitoring system required under this section. The processor  
must be connected by a dedicated telephone line capable of  
42 continuously transmitting real-time data to the State Nuclear  
Safety Inspector, the Director of the Bureau of Health  
44 Engineering in the Department of Human Services and the Director  
of the Maine Emergency Management Agency.

46       Sec. 2. **Effective date.** This Act takes effect January 1, 1992.

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## STATEMENT OF FACT

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This bill requires the Maine Yankee Nuclear Power Plant to install, maintain and upgrade gaseous and liquid effluent monitoring systems capable of identifying and measuring the radioactive isotopes and radioactivity of gaseous and liquid emissions from the plant. The monitoring systems would be controlled on site by a computer that continuously transmits data from the monitoring systems over a dedicated telephone line to the State Nuclear Safety Inspector, the Director of the Bureau of Health Engineering in the Department of Human Services and the Director of the Maine Emergency Management Agency. This bill takes effect January 1, 1992.