

New Hampshire Yankee
March 30, 1990

Seabrook Station

Effluent and Waste Disposal Semiannual Report
Initial Startup Through Fourth Quarter 1989

Maximum (a) Offsite Doses and Dose Commitments
to Members of the Public

Source	Dose (mrem) ^(b)				
	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Year ^(c)
Liquid Effluents	---	---	3.23E-06 ^(f)	9.50E-10 ^(f)	3.23E-06 ^(f)
Airborne Effluents					
Iodines and Particulates	---	9.51E-10 ⁽¹⁾	---	---	9.51E-10
Noble Gases	Beta Air (mrad)	---	---	---	---
	Gamma Air (mrad)	---	---	---	---
General Public Inside Site Boundary ^(d) :					
Education Center	---	5.33E-10 ⁽²⁾	---	---	5.33E-10
The "Rocks"	---	---	---	---	---
Direct Dose From Plant Operation ^(e) :					
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(a) "Maximum" means the largest fraction of corresponding 10CFR50, Appendix I, dose design objective.

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(Continued)

- (b) The numbered footnotes indicate the location of the dose receptor, age group and organ, where appropriate.
- (1) Child/whole body, WSW-1931 meters.
 - (2) Teen/whole body, WSW-335 meters.
- (c) "Maximum" dose for the year is the sum of the maximum doses for each quarter. This results in a conservative yearly dose estimate, but still well within the limits of 10CFR50.
- (d) The dose calculation assumes an individual remained at the location for the duration of the airborne effluent release.
- (e) Only station sources are considered since there are no other facilities within five miles of Seabrook Station.
- (f) This represents maximum organ dose, the total body dose was less than or equal to the maximum organ dose