

ANS Issues Clarification on ANSI/ANS-18.1-1999, "Radioactive Source Term for Normal Operation of Light Water Reactors."

(*Nuclear News*, February 2005)

Inquiry:

Tables 2 & 3, reactor coolant letdown flow rate should be 500 lbs/hr, not 5000 lbs/hr.

Table 6, Y-93, secondary coolant water concentration. What is the basis for a factor of 10 decrease in concentration when compared with the 1984 standard when the reactor coolant concentration and secondary coolant steam concentration for the 1984 and 1999 standard remain the same?

Tables 11 & 12, the variable r_i should reference note (f), not note (e).

Please confirm. Was there an addendum published to address these or other errors and if so, was it published or is it available via the Internet?

Responses:

The values of 5000 lbs/hr for the reactor coolant letdown flow rate in Tables 2 & 3 are typographical errors. The reactor coolant letdown flow rate should be 500 lbs/hr.

The value of 1.2 E-8 for the Y-93 secondary water concentration in Table 6 is a typographical error. The correct Y-93 secondary coolant water concentration is 1.2 E-7.

The notes for r_i in Tables 11 & 12 contain typographical errors. The variable r_i should reference note (f), not note (e).

An addendum to the standard has not been previously published to address these and other changes to the standard. However, an update of the standard that will include the corrections is currently in progress. An errata sheet will be prepared to address these typographical errors.