



REACTOR FACILITY

January 21, 1998

SD-288

TO: All Holders of Annual Reports from the Reed Reactor Facility
RE: Incorrect Gaseous Release Data for the Previous Two Years

MEMORANDUM

It has come to our attention that the gaseous release values in our most recent annual reports have been inflated by three orders of magnitude. This is an unfortunate result of switching documents between different versions of the same software. The results should have been shown in microcuries per milliliter ($\mu\text{Ci/ml}$) but were reported in millicuries per milliliter (mCi/ml). Gaseous release data between January 1, 1995 and December 31, 1997 were recalculated and correct values are listed below.

Table I contains the gaseous release data from the Reed Reactor Facility for the last two reporting periods.

Table I: Annual Gaseous Release

Year	$\mu\text{Ci/ml}$
Sep 1995 - Aug 1996	2.21 E-11
Sep 1996 - Aug 1997	4.87 E-11

Table II contains release data and annual dose from the Reed Reactor Facility for the most recent three calendar years.

Table II: Calendar Releases and Doses

Year	$\mu\text{Ci/ml}$	Dose (mrem/year)
1995	2.13 E-11	0.11
1996	1.38 E-11	0.07
1997	7.56 E-11	0.38

Data from Table I and Table II are different because Table I represents the academic year while Table II represents the calendar year. It should be noted that a majority of our emissions is argon-41, although our facility experienced a fuel leak during Autumn of 1996 so the higher dose that year is due to krypton and xenon. The annual dose is well below the 10 mrem constraint listed in 10 CFR 20.1101(d).

The Reed Reactor Facility regrets any confusion the erroneous release numbers may have caused.

Stephen Frantz

Stephen Frantz
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