

AMENDMENT TO THE ANNUAL REPORT ON THE OPERATION OF
THE WASHINGTON STATE UNIVERSITY TRIGA REACTOR

Facility License R-76 for the Reporting Period of
July 1, 1989 to June 30, 1990

This amendment to W.S.U. Annual Report contains omitted data that was not available at the time the Annual Report was prepared. The completed sections where data was previously omitted are as follows:

Page 5, Section G., Table VI, Average Quarterly Reactor and Experimenter Staff Exposure.

June's film badge results were not available from the vendor at the time the Annual Report was prepared. Table VI below now contains the missing film badge results:

TABLE VI
Average Quarterly Reactor and Experimenter Staff Exposure
(in millirem)

Jul-Aug-Sep	Oct-Nov-Dec	Jan-Feb-Mar	Apr-May-Jun
5.0	5.0	2.5	8.0

Page 6, Section I, Environmental Monitoring Program.

The last quarter's (April-May-June) TLD exposure data was not available from the vendor at the time the Annual Report was prepared. Revised Table VII and Table VIII on page 2 includes the data previously omitted.

The values observed indicate there is no significant effect on the environment radiation levels due to reactor operation.

TABLE VII
Environmental Radiation Levels in the
Vicinity of the Nuclear Radiation Center¹

(Exposure in uR/day)

Jul-Aug-Sep	Oct-Nov-Dec	Jan-Feb-Mar	Apr-May-Jun	Median
136	136	156	172	150

¹ For sampling stations located 50 meters or greater from the Nuclear Radiation Center.

Quarterly exposures at readily accessible locations at the reactor facility are listed in Table VIII below. No significant effect on the environmental radiation levels by reactor operation was noted.

TABLE VIII
Environmental Radiation Levels Adjacent
to the Nuclear Radiation Center¹

(Exposure in uR/day)

Location	Jul-Aug-Sep	Oct-Nov-Dec	Jan-Feb-Mar	Apr-May-Jun	Median
S. Bldg. Entrance	162	162	198	204	182
E. Loading Dock	143	143	198	190	169
Pool Rm. Vent Stack	114	114	140	146	129
Building W. Roof	138	138	186	190	163
Rad. Storage Shed	214	214	302	292	256
Building N. Side	147	147	186	182	160
Beam Room W. Door	157	157	198	197	177
Building W. Side	157	157	209	204	182
Pool Room W. Roof	286	286	453	511	384
Pool Room E. Roof	205	205	302	292	251

¹ For sampling stations located less than 50 meters of the Nuclear Radiation Center.

Technical Specifications ALARA effluent releases in 3.12(2) specify annual radiation exposures at the closest offsite extended occupancy shall not, on an annual basis, exceed the average local offsite background radiation level by more than 20%. For the four quarters of the reporting period, the average background radiation level for sampling points 400 meters or greater from the facility was 205 uR/day. The average radiation level at the closest extended occupied area 380 meters away was 199 uR/day, which yields a ratio of -3.2%, indicating no significant exposure level above natural background.