



ray accessory apparatus coupling or collimator, in such a way that the port will be open only when the collimator or coupling is in place. Shutters at unused ports shall be secured to prevent casual opening.

- A guard or interlock which prevents entry of any part of the body into the primary beam path shall be utilized.
- A system barrier shall be provided so that the dose equivalent received by individuals in the controlled area is as low as reasonably achievable but does not exceed 2.5 mrem in any one hour or 100 mrem in any five consecutive days.

SUBPART P RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM

10.1500 GENERAL INFORMATION

The Radiological Environmental Monitoring Program (REMP) is maintained to demonstrate compliance with DOE limits for release of radioactive materials to the environment and for radiation produced by PPPL operations which can be measured at or beyond the PPPL property line. In addition, the program is designed to provide "open information" to the public on the environmental impact of the facility and its operation.

10.1501 DOSE EQUIVALENT LIMITS FOR THE PUBLIC FROM PPPL

The effective dose equivalent for any member of the general public from all routine operations (natural background and medical exposures excluded) shall not exceed the limits in Table 10.7.

Table 10.7

Table of Effective Dose Equivalent Limits for the Public from PPPL Operations

PATHWAY	LEGAL LIMIT (mrem/year)	ADMINISTRATIVE LIMIT
All	100	10*
Air**	10	—
Drinking Water***	4	—

* TFTR design objective

** NESHAPS requirement

*** Title 40 Code of Federal Regulations, Part 14

— No established limit