



Dec.7,1983

Preparation Procedure for Installation of  
Ventilation/Filtration System

Both filtration systems (old irradiator and general building system) will be situated atop the new irradiator to facilitate ease of construction and to minimize the encroachment of floor space.

The building filtration system shall be constructed in the area adjacent to the North wall (exterior) and in line with the original ozone duct vent. The filtration system for the old irradiator will be situated atop the Southeast Corner of the new irradiator with mating duct work suspended at the level of 9'. (See diagram)

Prior to any fabrication of the system from American Air Filter Co. or mating of duct work, sections of the new irradiator's shield will be removed to accomodate the systems. The shield will be removed by the following procedure:

1. The area where the concrete blocks are to be removed from for the old cell filtration system will be accomplished first. Smear surveys from atop the new irradiator show values of 50 dpm or less. However, as a precautionary measure respirators and decon suits will be worn in a half hour trial test. Respirator use will follow the preapproved procedures for the Norton or Wilson respirators.
2. For a 1/2 hour period two individuals shall unstack approximately 200-300 block with an air sampling monitor running at 2.0 liter/min. rate.
3. The blocks shall be palletized at the roof of the new irradiator and a third operator shall provide assistance by manuvering the forklift as needed.
4. All blocks shall remain quarantined to the building pending a survey program to determine their release status.
5. At the end of the 1/2 hour period the air monitor sampling shall be evaluated.
6. If the levels remain at background (referenced against previous sampling) the operators may proceed without the use of the respirators.
7. If the air sampling indicates levels above background the operators will continue with the use of the respirators and continue the use of the air monitor system. If values approach 50% of MPC's from Appendix B Part 20 the program will be stopped and evaluated.

The purpose for the removal of these block is to provide a flat level surface for mounting and assembling the necessary duct work, fans and vent system equipment. The removal of the concrete block for the building filtration system shall proceed by the same procedure as above.

BJT/LNM

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