CT Shielding Information Needed

1. Equipment and room layout with scatter pattern (scatter radiation field) from the equipment manufacturer (head, abdomen); on the Architectural "D" Scale drawing

2. kVp to be used (50, 70, 100, 125, 150)

3. Scan time (Slice time or scan time/slice in seconds)

4. Number of slices/scans per patient

5. Number of patients per week

6. Typical technique used for scan of patients – mA and kVp

7. Barrier data: Barrier ID

   Current construction of all barriers

   Examples: (wall is an outside wall made of concrete block)

   Other barriers – (½" Pb , ½ " drywall)

   Ceiling -- (acoustical tile, steel and concrete)

   Floor - (concrete)

8. Occupancy above and below, adjacent areas (i.e., office, waiting area)

9. Distance from floor to ceiling

10. CT Machine ouptuts: Isodose data in 1 – mR/hr
    or
    2 – mR/slice

(Program in C:/office docs/masters/radiology/ct shielding program/ctshld)