



INDOOR AND RADIOLOGICAL HEALTH BRANCH
RADIATION SECTION
591 ALA MOANA BLVD.
HONOLULU, HI 96813
PHONE: (808) 586-4700 FAX: (808) 586-5838

SHIELDING EVALUATIONS AND AREA RADIATION SURVEYS

Shielding Evaluations and **Area Radiation Surveys** are required to be conducted by health physicists or medical physicists operating under a **Radiation Facility License** or **Radiation Services License** issued by the Department pursuant to the Hawaii Administrative Rules, Chapter 11-45, Radiation Control. The facility is responsible to ensure compliance of all applicable rules in HAR, Chapter 11-45.

The **Shielding Evaluation** is conducted by a licensed health or medical physicist in the **pre**-construction phase. Construction plans of all new facilities or modifications of existing facilities utilizing sources of radiation shall be submitted to the Indoor and Radiological Health Branch for review and approval. The Shielding Evaluation is based on the architectural plans and the orientation of the radiation-emitting device or source. *This evaluation is optional for dental, podiatric, bone densitometry and certain Department of Health (DOH)-designated facilities.*

The **Area Radiation Survey** of a new facility or modifications to an existing facility is an actual **post**-construction survey conducted by, or under the direction of, a qualified health or medical physicist to determine the adequacy of the original shielding design. **This shall be conducted within six months after the radiation facility becomes operational.** A subsequent area radiation survey of a facility shall be conducted if the following occur: Changes in the number of sources of radiation; or changes in the spatial relationship of sources of radiation, relative to walls, partitions, doors, floors, ceilings; or changes in workload or utilization of the source of radiation; or conditions which may be contrary to subchapter 4.

Facilities limited to **only** a dental panoramic unit without cephalometric capability, or an x-ray source bone densitometer, or a mammography x-ray system, are **not** required to have a Shielding Evaluation or Area Radiation Survey.

For your convenience, locally available physicists under a DOH license are as follows:

Philip Manly/Ron Frick
Gamma Corporation
850 W. Hind Drive, #214
Honolulu, HI 96821
Ph. (808) 373-7009

Mahendra Patel
95-620 Makaimoimo Street
Mililani, HI 96789
Ph. (808) 623-4723

Hong Guo
P.O. Box 25121
Honolulu, HI 96825
Ph. (808) 395-6164

If there are any questions, please contact our office at (808) 586-4700.