



**INDOOR AND RADIOLOGICAL HEALTH BRANCH  
RADIATION SECTION  
99-945 HALAWA VALLEY STREET  
AIEA, HI 96701  
PHONE: (808) 586-4700 FAX: (808) 586-5811**

## **SHIELDING EVALUATIONS AND AREA RADIATION SURVEYS**

**Shielding Evaluations** and **Area Radiation Surveys** are required to be conducted by qualified health physicists or qualified 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, qualified 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 licensed, 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

Hong Guo  
Aloha Medical Physics, LLC  
P.O. Box 25121  
Honolulu, HI 96825  
Ph. (808) 349-6729

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

Thomas A. Sullivan, M.S.  
TAS Physics LLC  
66 Kuualoha Street  
Kahului, HI 96732  
Ph. (808) 249-8782

Frank Goerner, Ph.D.  
3515 Nipo Street  
Honolulu, HI 96822  
Ph. (808) 691-7063

Dale Schippers, M.S.  
2575 Kuhio Ave. #1604  
Honolulu, HI 96815  
Ph. (808) 691-4884

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