

**Exemption to Accommodate Trial Period for
Aribex “Nomad” Portable X-Ray System in Dental Examinations**

After consultation with various regulatory and technical experts, the state of Maine’s Radiation Control Program has determined that a **temporary exemption** to the state’s “Rules Relating to Radiation Protection” should be granted for the Aribex “Nomad” Portable Dental X-Ray system to evaluate and insure that it will not present an undue hazard to public health and safety. Once enough data has been collected the program will decide whether or not to make the exemption permanent via a rule change, extend the trial or rescind it entirely. Requirements for using the unit may also be revised at this time.

Required Conditions of Use During Trial Period (1 year minimum duration):

In **addition** to all current regulations:

- 1) Mandatory inspection by Physicist prior to use.
- 2) Unit shall **only** be used in rooms for which a shielding design has been completed and shielding installed
- 3) When taking exposures, users shall wear finger **and** whole body dosimeter.
- 4) Units shall **only** be used at the facility **where it is registered**.
- 5) Repeat rates and reasons for them shall be tracked, tabulated and send to our office quarterly. *(not required if used with support stand)*
- 6) Part D, Sections 25 and 26 (Storage and Control of Licensed or Registered Sources of Radiation) will apply to this unit.

The following records shall be mailed to the X-Ray Section of the State Maine’s Radiation Control Program:

- Last 12 months of “repeat rate” records (number of repeats exposures and reasons for them) for the stationary unit(s) being replaced or supplemented by the Aribex. *(not necessary if unit is to be used with support stand)*
- Quarterly exposure records for all individuals using the Aribex.

Additionally, the department may decide to perform an on site inspection of this unit and associated records at any time and without notification. Based on review of incoming data, the State of Maine’s Radiation Control Program may suspend use of this unit before trial period is concluded. Request for a waiver on any of the above requirements must be made in writing, and received and approved by the Radiation Control Program in advance of using the unit.

If you have any questions regarding this memo, please call the X-Ray Section of the State of Maine’s Radiation Control Program at either 287-5673 or 287-5719, or email us at steven.sprengel@maine.gov or roger.currier@maine.gov.

Addendum to Exemption to Use Aribex Nomad Portable X-Ray System

The purpose of the original exemption to State of Maine Rule Relating to Radiation Protection was to respond to a request to use this system in place of a stationery unit. In order to accommodate using the Nomad for its primary design intent (as a portable unit) the following additional requirements shall be observed.

-Aribex Nomad users who transport unit to "satellite" or remote facilities shall only take exposures in rooms designed and posted for radiographic examinations, and where shielding has already been deemed adequate by a Qualified Expert certified in Maine.

-State of Maine Radiation Control Program shall be notified of all locations where Nomad is to be used, in advance. (similar to our requirement for other mobile units)

- Aribex Nomad users shall transport unit from office of registration to field office in a lockable case and with battery removed.

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