

Analytical Unit: _____ **Location:** _____

I have been instructed on the safe use and operation of this X-ray unit. This instruction includes the items listed below, and it provided a sufficient question and answer period to fit my needs.

I. Description of Analytical X-ray Unit and Principles of Operation

II. Sample Mounting and Alignment Procedures

A. Safety Precautions

- 1) Identification of radiation hazards associated with the use of the equipment.
- 2) Significance of the various radiation warning and safety devices incorporated into the equipment, or reasons they have not been installed on certain pieces of equipment and extra precautions necessary if the devices are absent or bypassed.
- 3) Written operating procedures for the equipment.
- 4) Symptoms of an acute localized radiation exposure.
- 5) Procedures for reporting an actual or suspected exposure.
- 6) Use of Survey and personnel monitoring equipment.

B. Techniques

III. Review of Instrument Log

- A. Use Log
- B. Operating Procedures
- C. Radiation Survey Procedures and Log
- D. Description of Warning and Safety Devices
- E. Emergency Procedures

IV. Observation of Trainee Setting up and Operating the Analytical Unit

