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City of Detroit

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RADIATION SAFETY PROGRAM

1. Radiation Protection Officer.

   A. Daniel Tumidanski, i.e. Item 7, has been designated as the bureau Radiation Safety Officer and will assume the duties and responsibilities that include:

      1. To assure that all terms and conditions of the license are being met; and, that the information contained in the license is up-to-date.

      2. To ensure that the equipment has been leak tested in the required timely manner; and that the leak test is performed in the manner prescribed by the equipment manufacturer.

      3. To assure that the use of the equipment is only by individuals that have been authorized by the Radiation Protection Officer; and, that all users wear personnel monitoring equipment when utilizing the equipment.

      4. To maintain the records as required by the license and the regulations. These records shall include personnel exposure records, leak test records and training certificates for all users.

      5. To assure that the equipment is properly secured against unauthorized removal at all times when they are not in use.

      6. To serve as a point of contact and give assistance in case of emergency such as equipment damaged in the field or theft; and, to notify the proper authorities in case of emergency.

      7. To assure that all users have read and understand the Radiation Safety operating and emergency procedures.

2. Operating Procedures.

A. Transportation of Equipment

1. All possible means shall be provided to ensure that the equipment is fully secured in the transporting vehicle; and, the equipment is away from the passenger compartment. When transporting in an enclosed vehicle (Van) the vehicle will be locked. When transporting in an open bed vehicle, the gauge should be secured, fastened and locked to the truck bed.

2. The gauge will be transported in the Troxler or manufacturer transportation case. The US Department of Transportation requires that the gauge be transported in a properly labeled carrying case.

B. Utilization Procedures.

1. When the gauge is in the field, you as the authorized user must maintain control over the gauge at all times. The gauge must never be left unattended.

2. When not making measurements, the gauge should be placed in the transportation case, and returned to its permanent storage area as soon as possible. The gauge is to be used for its intended use only, by doing so you will maintain any radiation exposure to as low as reasonably attainable.

3. When using the equipment, you will wear the personnel monitoring devise that has been assigned to you. When you are not using the equipment, your monitoring device that has been assigned to you. When you are not using the equipment, your monitoring device is to be stored in the radiation free area that has been designated for the office.

C. Maintenance and Leak Test Procedures.

1. Periodic maintenance will include cleaning the gauge. During any maintenance, you must wear your personnel monitoring device.

2. No maintenance will be performed in which the radioactive source is removed from the gauge. For this type of maintenance, the gauge will be returned to the manufacturer.

3. The Leak test will be performed using the Troxler Model 3880 Leak Test Kit. The leak test will be performed under the manufacturers instructions. Again, the personnel monitoring device will be worn and all means to limit radiation exposure will be employed. Gauges will be leak tested at intervals not to exceed six(6) months.

3. Emergency Procedures.

A. In the event of physical damage to a gauge, the following will be performed:

1. Immediately cordon off an area around the gauge. An area radius of 15 feet will be sufficient.

2. If a vehicle is involved, it must be stopped until the extent of contamination, if any, can be established.

3. A visual inspection of the gauge is to be made to determine if the source housing and/or shielding has been damaged.

4. At the earliest possible time, when the situation is under control, you must contact Daniel Tumidanski, Radiation Safety Officer at 935-3358. Describe the present conditions and follow the instructions of the Radiation Safety Officer.

B. In the event the gauge is lost or stolen, immediately notify the Radiation Safety Officer as listed above in Item 3.A.4.