

## **LICENSING CHECKLIST FOR FIXED GAUGES (level, weight, density, thickness)**

This checklist is to assist those applicants requesting licensure (or renewal) for fixed gauging systems. Include the following information and/or descriptions noted below on form RH-2050 or attachments thereto. General information can be found in the guide, form RH-2051. Please submit all information in duplicate.

### **Item 1.**

- a. Name of Applicant: Specify the name of the company or business entity responsible for the radiation safety program.
- b. Mailing Address: California only, if possible.
- c. Phone Number: California only, if possible

### **Item 2.**

- a. Type of Business: If government, indicate here.
- b. Location of Use: List all locations where gauges are (or will be) installed.
- c. Application Type: Self explanatory.

### **Item 3.**

- a. Nuclide: Specify isotopes to be used (e.g. Cs-137, Am-241)
- b. Form: Sealed sources (ABC Co. Model 123)
- c. Possession limit: Specify the number of sources and the maximum activity each in terms of millicuries or curies.

### **Item 4. Proposed Use:**

Specify the source holder or gauge model in which the sources will be used. Also indicate what the system(s) will be measuring. For example, "To be used in an XYZ Co. source holder Model 789 as a component of a system for the measurement of (level, density, weight, thickness)".

### **Item 5. Radiation Safety Officer (RSO) and Users:**

Submit completed "Statement of Training and Experience" forms (RH-2050A) for the RSO and supervisory users only. Include a commitment to receive training for each proposed supervisory user by the manufacturer upon installation (for new applicants).

### **Items 6, 7, and 8. Instruments, Calibration Procedures, Monitoring:**

These items are not required unless performing installations or relocations of gauging systems. Contact the Department for further information if needed.

### **Item 9. Facilities and Equipment:**

Provide diagram(s) of the facilities showing where the gauges are (or will be) installed. Describe locations of nearest workstations or other normally occupied areas. Include information on the environment which the gauges will be exposed

to (e.g. ambient outdoor/indoor, elevated temperature, corrosive atmosphere, high pressures, etc.).

**Item 10. Radiation Safety Program:**

- a. Commit to posting the “Notice to Employees” form RH-2364 (supplied by the Department) where it can be easily read by individuals frequenting gauge installations, a copy of the license, and operating/emergency procedures. If it is not practical to post the license or O & E procedures, indicate where these can be found.
- b. Assure all source holders/gauges are properly labeled with “Caution, Radioactive Materials”, the conventional radiation symbol, isotope, and activity. If not easily visible to adjacent work areas, commit to hanging signs indicating the presence of radioactive material and restricted access to the area.
- c. Provide your lock-out procedures to prevent unauthorized access to vessels (level gauges) with the gauge(s) in the “on” position. For other types of gauges (weight, density), provide procedures to assure exposures are kept to a minimum during any work adjacent to the source holder.
- d. Provide a copy of your emergency procedures to be followed in the event of known or suspected damage to any gauge or source holder. Standard practice is to evacuate the immediate vicinity, secure the area against unauthorized entry, and call for help. List all appropriate phone numbers, such as: Radiation Safety Officer (work and home phone number), Inspection Agency, Radiologic Health Branch (daytime and 24 HR), and the manufacturer.
- e. Submit your sealed source leak test procedures: Specify the method, frequency, and analysis. If mail-out kits are used, specify the authorized service company, and commit to following the manufacturer’s recommended leak test collection procedure.
- f. Servicing: Should maintenance or repairs be needed, who will provide such services?
- g. If more than five gauges will be authorized, provide semiannual inventory control procedures (for three-year leak test interval devices).

**Item 11. Effluent and Environmental Monitoring:**

Not applicable for sealed sources in devices.

**Item 12. Waste Disposal:**

Commit to transferring the devices back to the manufacturer or to a specific licensee of the NRC or Agreement States, at such time as they are no longer needed. They must be shipped in accordance with Department of Transportation regulations.

**Item 13. Decommissioning and Decontamination Plans:**

Commit to notifying the Department thirty (30) days prior to vacating your facilities or relocating the gauges to a new location.

**Item 14. Certificate:**

Include typed name and title of individual who commits the applicant to information contained within the application.