

**CLASS TITLE: METROLOGIST INSPECTOR**

**Class Code: 02203700**  
**Pay Grade: 22A**  
**EO Code: C**

**CLASS DEFINITION:**

**GENERAL STATEMENT OF DUTIES:** To make and perform difficult inspections of weighing and measuring devices used in business enterprises; to assist in the enforcement of state laws and regulations for weights and measures; to test and seal platform and truck meters; to measure the capacities of tank vehicles; to verify the performance and conformance of the certified municipal sealers; to assure that the technical requirements of the weighing, measuring and balancing apparatus used in commerce, meet or exceed the specifications of the National Institute of Standards and Technology Handbook 44 and the NIST Uniform Laws and Regulations Handbook 130; and to do related work as required.

**SUPERVISION RECEIVED:** Works under the general supervision of a superior from whom assignments and instructions are received with latitude for the exercise of independent judgement involving technical requirements of apparatus being tested/sealed; work is reviewed for compliance and accuracy with instructions and with conformance to state laws and regulations.

**SUPERVISION EXERCISED:** None.

**ILLUSTRATIVE EXAMPLES OF WORK PERFORMED:**

To make difficult inspections of weighing and measuring devices used in business enterprises to assure proper sealing by local sealers of weights and measures; to report devices not sealed in accordance with state law to a superior.

To serve as an intermediate in responding to questions from the municipal sealers as they pertain to routine procedures to be applied in the field.

To assist in the enforcement of state laws and regulations pertaining to weights, measures and taximeters; to make recommendations to a superior regarding infractions of state laws of evidence on non-compliance within NIST regulations.

To provide a superior with completed detailed data for the certification of the secondary standards within the scope of NIST certification for state laboratories.

To assist in bringing municipal and private weighing and measuring devices used in business into compliance.

To provide enforcement of gasoline measuring devices used in the sale of gasoline by testing to assure accurate measurement where required.

To check commercial packaged and pre-packed products for correct declaration as it related to the statement of contents and other declarations prescribed by NIST Handbook and Rhode Island General Law to prevent fraud and/or deception.

To test and seal platform and truck meters used in the purchase and sale of fuel, oil and gasoline.

To measure and mark the capacities soft tank vehicles used for transporting volatile fuels over state highways.

To calibrate from milk holding tanks to ensure gauge rod readings correspond to the capacity in weight.

To assist with the process of the licensing programs; such as oil, coal and coke, octane and price verification.

To participate in training programs sponsored by NIST and Stabler Training Resources, or similar, as they apply to field use and technical requirements; as required, may train instructors regarding work to be performed in the field.

To prepare and maintain accurate records and files in an appropriate manner.

To do related work as required.

## **REQUIRED QUALIFICATIONS FOR APPOINTMENT:**

**KNOWLEDGES, SKILLS AND CAPACITIES:** A thorough knowledge of weighing and measuring devices used in business enterprises; a working knowledge of the state law relating to the testing of equipment used by the certified town or city sealers; a working knowledge of state and federal laws relating to testing, sealing, or inspecting, weighing, measures or balancing apparatus used in business; a working knowledge of the laws and standards applicable to labeling, packaging, and price accuracy of merchandise; the ability to prepare and maintain records and files; the ability to meet and deal professionally and effectively with the public; and related capacities and abilities.

## **EDUCATION AND EXPERIENCE:**

Education: Such as may have been gained through: graduation from a college of recognized standing with an Associate's Degree in Engineering or Physical Science; and

Experience: Such as may have been gained through: employment involving the determination of the accuracy of weighing and measuring devices.

Or, any combination of education and experience that shall be substantially equivalent to the above education and experience.

**SPECIAL REQUIREMENT:** (1) Within one year of appointment must participate in the successful completion of the Basic Metrology Course as offered by the National Institute of Standards and Technology and must continue such participation with NIST, as may be required, as a condition of employment; (2) within six months of appointment must obtain a CDL license.

Class Revised: June 22, 1997

Editorial Review: 3/15/03