

TITLE 32: ENERGY
CHAPTER II: ILLINOIS EMERGENCY MANAGEMENT AGENCY
SUBCHAPTER b: RADIATION PROTECTION

PART 333
FEES FOR CALIBRATION SERVICES

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AUTHORITY: Implementing and authorized by Section 25(g) of the Radiation Protection Act of 1990 (Ill. Rev. Stat. 1991, ch. 111½, par. 210-25(g)) [420 ILCS 40/25(g)].

SOURCE: Adopted at 18 Ill. Reg. 2615, effective February 7, 1994; recodified from the Department of Nuclear Safety to the Illinois Emergency Management Agency at 27 Ill. Reg. 13641.

Section 333.10 Purpose and Scope

Under the provisions of the Radiation Protection Act of 1990, the Illinois Department of Nuclear Safety (Department) is authorized to *maintain a facility for the purpose of calibrating radiation detection and measuring instruments in accordance with national standards. The Department may make calibration services available to public or private entities within or outside of Illinois and may assess a reasonable fee for such services* [420 ILCS 40/25(g)]. The Department has established such a facility, which has been accredited as a State Regional Calibration Laboratory by the Conference of Radiation Control Program Directors, Inc. This Part sets forth the procedures to be followed by persons who request the services of this facility, the terms and conditions under which such services will be provided and the fees that the Department will charge for providing calibration services.

Section 333.20 Procedure for Requesting Calibration Services

Any person may request the Department to perform calibration services described in this Part.

- a) Requests for such services shall be in writing and addressed to the Manager, Calibration Facility, Illinois Department of Nuclear Safety, 1301 Knotts Street, Springfield, Illinois 62703.
- b) The request shall specify the type of instrument for which calibration services are requested, by instrument name and model number.

Section 333.30 Conditions

Any person who sends an instrument to the Department for calibration shall bear the cost and risk of transporting the instrument to the Department and returning the instrument to the sender. In addition, neither the Department nor the State of Illinois, nor any of their employees, agents or assignees shall be liable for any loss or damages, including without limitation, direct, consequential or special damages that may result in connection with the performance of calibration services.

Section 333.40 Calibration Services

- a) The Department provides the following calibration services under accreditation by the Conference of Radiation Control Program Directors, Inc.

- 1) X-ray Calibrations. 5 beam codes at 32 mR/sec. This service is available for the Radcal MDH 1015 x-ray monitor only. The available beam codes are:

BEAM CODE	HALF-VALUE LAYER	HOMOGENEITY COEFFICIENT
L 80	1.81 mm Aluminum	0.59
L 100	2.82 mm Aluminum	0.59
M 30	0.36 mm Aluminum	0.65
M 50	1.03 mm Aluminum	0.64
M 100	4.96 mm Aluminum	0.73

- 2) Gamma Ray Calibrations. 1 beam code. This service is available only for ion chamber and energy compensated G-M tube instruments.

BEAM CODE	INTENSITIES
Cs-137	.005 - 40 R/hr

- b) The Department also provides the following services, which are not performed under accreditation.

- 1) Microrem Meter Calibrations. 2 points per scale, gamma intensity range available to 0.015 mR/hr.
- 2) Pocket Dosimeter Calibrations. 1 point gamma radiation up to 200 R.
- 3) Count-Rate Instrument Calibrations. Pulse rate at 2 points per scale. Alpha probe response is checked at 2 points. Beta-gamma probes are checked at 1 point. Other checks may be performed, depending on each instrument and probe combination.

- c) The Department may be able to provide additional calibration services, including but not limited to calibrations using additional beam codes. Persons desiring any calibration services are urged to contact the facility by telephone at (217) 786-7221 to determine the availability of additional services.

Section 333.50 Fee Schedule

a) Radcal MDH x-ray monitor calibration (maximum 2 probes)	\$235.00/ea
b) G-M ion chamber survey instrument or microrem meter	\$75.00/ea
c) Reference quality ion chamber calibration (1 point, 1 beam quality, either gamma or x-ray)	\$100.00/ea
d) Pocket dosimeter calibration	\$5.00/per dosimeter (\$50 minimum charge)
e) Count-rate instrument each additional probe	\$75.00/ea \$25.00
f) Handling charge for any non-operational instrument received for calibration	\$25.00
g) Other services	\$100.00/hour

Section 333.60 Other Provisions

- a) The Department will not repair or service non-functioning instruments. However, if batteries or other parts are missing from instruments sent to the Department, the Department will so advise the person sending the instrument and request that the missing parts be supplied. If the person sending the instrument fails to supply the needed items, the Department will return the instrument subject to payment of the handling fee provided in this Part.
- b) Upon completing the calibration services, the Department will return the instrument along with a bill for services rendered to the person seeking the calibration service.
- c) Payment for services shall be by check or money order, made payable to the Illinois Department of Nuclear Safety.
- d) Upon receipt of the full amount of the billing, the Department will provide a copy of the records and results of the calibration to the sender.

- e) The Department upon written request may waive all or a portion of any fee established in this Part upon making a determination that such a waiver would be in the best interests of the State of Illinois. Examples of situations in which the Department may consider a waiver include:
- 1) When requested to service the calibration of instruments used by federal, state or local agencies in Illinois for purposes of assuring protection of the public health and safety through a cooperative agreement with the Department.
 - 2) When the person requesting the calibration service provides a service (such as making training or other resources available) to the Department in exchange for calibration services.