



General Assembly

Substitute Bill No. 5307

February Session, 2014



**AN ACT REVISING CERTAIN REQUIREMENTS FOR THE
REGISTRATION OF RADIOACTIVE MATERIALS.**

Be it enacted by the Senate and House of Representatives in General Assembly convened:

1 Section 1. Section 22a-148 of the general statutes is repealed and the
2 following is substituted in lieu thereof (*Effective July 1, 2015*):

3 (a) As used in this section, "ionizing radiation" includes gamma
4 rays, x-rays, alpha and beta particles, neutrons, protons, high-speed
5 electrons and other atomic or nuclear particles, but does not include
6 sound or radio waves or light of wave lengths ranging from infrared to
7 ultraviolet inclusive, and "radioactive materials" includes any
8 materials, solid, liquid or gas, that emit ionizing radiation
9 spontaneously.

10 (b) No person, firm, corporation, town, city or borough shall operate
11 or cause to be operated any source of ionizing radiation or shall
12 produce, transport, store, possess or dispose of radioactive materials
13 except under conditions which comply with regulations or with orders
14 imposed by the Commissioner of Energy and Environmental
15 Protection for the protection of the public health and preservation of
16 the environment. Such regulations or orders shall be based to the
17 extent deemed practicable by said department on the regulations of the
18 United States Atomic Energy Commission, issued under authority

19 granted to said commission by the Atomic Energy Act of 1954 and
20 entitled "Standards for Protection against Radiation", or, if such
21 regulations should be deemed inappropriate by the Commissioner of
22 Energy and Environmental Protection, on the latest recommendations
23 of the National Committee on Radiation, as published by the United
24 States Department of Commerce, National Bureau of Standards. No
25 regulation pertaining to radiation sources and radioactive materials
26 proposed to be issued by the commissioner shall become effective until
27 thirty days after it has been submitted to the Coordinator of Atomic
28 Development Activities unless, upon a finding of emergency need, the
29 governor by order waives all or any part of said thirty-day period. In
30 no case shall any source of ionizing radiation be utilized otherwise
31 than at the lowest practical level consistent with the best use of the
32 radiation facilities or radioactive materials involved.

33 (c) (1) Except as hereinafter provided, each person, firm,
34 corporation, town, city and borough conducting or planning to
35 conduct any operation within the scope of this section shall register
36 with the Commissioner of Energy and Environmental Protection on
37 forms provided for the purpose and shall reregister [annually]
38 biennially in January of each odd-numbered year. Such registration
39 shall be accompanied by a fee of [two] four hundred dollars. Such
40 registration fee shall not be required of any fire department that
41 registers a chemical detector that contains radioactive material. The
42 commissioner may require registrants to state the type or types of
43 sources of radiation involved, the maximum size or rating of each
44 source, the qualifications of the supervisory personnel, the protective
45 measures contemplated by the registrant and such other information
46 as it determines to be necessary. After initial registration, reregistration
47 shall be required for any radiation installation or mobile source of
48 radiation at any other time when any increase is contemplated in the
49 number of sources, the source strength, the output or the types of
50 radiation energy involved. The act of registration shall not be
51 interpreted to imply approval by the commissioner of the manner in
52 which the activities requiring registration are carried out. (2) The

53 activities described below are exempted from the registration
54 requirements of this section: (A) The production, transportation,
55 storage, use and disposal of naturally occurring radioactive materials
56 of equivalent specific radioactivity not exceeding that of natural
57 potassium; (B) the production, transportation, storage, use and
58 disposal of other radioactive materials in quantities insufficient to
59 involve risk of radiologic damage to a person; (C) the operation of
60 equipment that is primarily not intended to produce radiation and
61 that, by nature of design, does not produce radiation at the point of
62 nearest approach in quantities sufficient to produce radiologic damage
63 to a person; (D) the transportation of any radioactive material in
64 conformity with regulations of the Interstate Commerce Commission
65 or other agency of the federal government having jurisdiction.

This act shall take effect as follows and shall amend the following sections:		
Section 1	July 1, 2015	22a-148

ENV *Joint Favorable Subst. C/R* **FIN**
FIN *Joint Favorable Subst.*