

REQUEST FOR CHANGES PURSUANT TO G.S. 150B-21.10

AGENCY: North Carolina Radiation Protection Commission

RULE CITATION: 10A NCAC 15 .1001

DEADLINE FOR RECEIPT: Wednesday, September 6, 2023.

PLEASE NOTE: This request may extend to several pages. Please be sure you have reached the end of the document.

The Rules Review Commission staff has completed its review of this Rule prior to the Commission's next meeting. The Commission has not yet reviewed this Rule and therefore there has not been a determination as to whether the Rule will be approved. You may email the reviewing attorney to inquire concerning the staff recommendation.

In reviewing this Rule, the staff recommends the following changes be made:

Throughout the Rule, there are many instances where licensees and registrants are directed to address communications and report to the agency “at the address shown in Rule .0111 of this Chapter....” In Rule .0111, there is both a street and a mailing address. Please consider specifying how you want to receive these communications, and/or specifying “addresses” in this Rule.

In (a)(3), the list is out of order, with (D) out of place.

In (a)(3), items (B), (D), and (E), are used in 10 CFR 19.3 but are not defined there.

In (a)(3), item F, “NRC-licensed”, is not used or defined in 10 CFR 19.3.

In (a)(5)(A), p.2, line 2, is the “Notice to Employees” a form, as defined in 150B-2(8)? If so, are its contents or substantive requirements described in another Rule or statute?

In (a)(5)(B), lines 5 and 6, capitalize “notice to employees” to be consistent with (a)(5)(A).

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina 27609.

Brian Liebman
Commission Counsel

Date submitted to agency: August 23, 2023

1 10A NCAC 15 .1001 is amended with changes as published in 37:19 NCR 1923-1927 as follows:

2
3 **SECTION .1000 - NOTICES: INSTRUCTIONS: REPORTS AND INSPECTIONS**

4
5 Codifier's Note: 10 NCAC 03G .3100 was transferred to 15A NCAC 11 .1000 effective January 4, 1990.
6 Recodification pursuant to G.S. 143B-279.3.

7
8 **10A NCAC 15 .1001 SCOPE NOTICES, INSTRUCTIONS, AND REPORTS TO EMPLOYEES**

9 ~~This Section establishes requirements for notices, instructions and reports by licensees or registrants to individuals~~
10 ~~engaged in work under a license or registration and options available to such individuals in connection with agency~~
11 ~~inspections of licensees or registrants to ascertain compliance with the provisions of the Act and rules, orders and~~
12 ~~licenses issued thereunder regarding radiological working conditions. The rules in this Section apply to all persons~~
13 ~~who receive, possess, use, own or transfer sources of radiation licensed by or registered with the agency pursuant to~~
14 ~~the rules in Sections .0200, .0300, .0900 and .1200 of this Chapter.~~

15 (a) Persons registered with the agency pursuant to the rules in Section .0200 of this Chapter and persons licensed
16 under the rules in Sections .0300, .0900, .1200, and .1300 of this Chapter shall comply with the provisions of 10 CFR
17 19 as follows, which are hereby incorporated by reference including subsequent amendments and editions, except that
18 references to and requirements for 10 CFR 2, 50, 52, 54, 60, 63, 72, and 76 shall not apply:

19 (1) 10 CFR 19.1, "Purpose;"

20 (2) 10 CFR 19.2, "Scope;"

21 (3) 10 CFR 19.3, "Definitions," except that the definition of "regulated activities" and "regulated
22 entities" shall not apply. For persons registered with the agency pursuant to the rules in Section
23 .0200 of this Chapter, the following terms used in 19.3 shall have the following substitutions:

24 (A) "license" shall have the same meaning as "registration" as defined in Rule .0104(131) of
25 this Chapter;

26 (B) "licensed" means registered pursuant to the rules in Section .0200 of this Chapter;

27 (C) "licensee" shall have the same meaning as "registrant" as defined in Rule .0104(130) of
28 this Chapter;

29 (E) "materials" shall have the same meaning as "radiation machine" as defined in Rule
30 .0104(122) of this Chapter;

31 (F) "NRC-licensed" means registered pursuant to the rules in Section .0200 of this Chapter;
32 and

33 (D) "radioactive material" shall have the same meaning as "radiation machine" as defined in
34 Rule .0104(122) of this Chapter;

35 (4) 10 CFR 19.5, "Communications," except that licensees and registrants shall address
36 communications and reports to the agency at the address shown in Rule .0111 of this Chapter in lieu
37 of the NRC;

- 1 (5) 10 CFR 19.11, “Posting of notices to workers,” except that 19.11(b) and (c) shall not apply:
2 (A) NRC Form 3 shall not be used in lieu of the Notice to Employees issued by the agency,
3 except as authorized by the agency in writing;
4 (B) licensees and registrants shall not post other notices, postings, notes, or other materials
5 over the notice to employees, nor shall equipment be placed in such a manner that the
6 notice to employees is obscured or hidden by that equipment; and
7 (C) additional copies of the Notice to Employees may be obtained free of charge from the
8 agency by contacting the agency at the address shown in Rule .0111 of this Chapter in lieu
9 of the NRC, or online at <https://radiation.ncdhhs.gov/>;
10 (6) 10 CFR 19.12, “Instructions to workers;”
11 (7) 10 CFR 19.13, “Notifications and reports to individuals;”
12 (8) 10 CFR 19.14, “Presence of representatives of licensees and regulated entities, and workers during
13 [inspections;” inspections,” except that 19.14(a) shall not apply;
14 (9) 10 CFR 19.15, “Consultation with workers during inspections;”
15 (10) 10 CFR 19.16, “Requests by workers for inspections.” Requests for inspections shall be submitted
16 to the agency at the address shown in Rule .0111 of this Chapter in lieu of the NRC;
17 (11) 10 CFR 19.17, “Inspections not warranted; informal review.” Communications regarding the
18 agency’s decisions with respect to a request for inspection submitted to the agency under
19 Subparagraph (a)(10) shall be submitted to the agency at the address shown in Rule .0111 of this
20 Chapter in lieu of the NRC;
21 (12) 10 CFR 19.18, “Sequestration of witnesses and exclusion of counsel in interviews conducted under
22 subpoena;”
23 (13) 10 CFR 19.20, “Employee protection;”
24 (14) 10 CFR 19.31, “Application for exemptions,” except that the request for exemption shall be made
25 on the licensee’s or registrant’s business letterhead. Requests for exemptions from the requirements
26 of this Rule shall be made to the agency at the address shown in Rule .0111 of this Chapter in lieu
27 of the NRC or as otherwise instructed by the agency. To request an exemption, the following
28 information shall be submitted to the agency:
29 (A) licensee or registrant name;
30 (B) license or registration number;
31 (C) name of the individual requesting the exemption;
32 (D) contact information for the individual requesting the exemption;
33 (E) a description of the exemption being requested; and
34 (F) an explanation describing why the exemption is necessary.
35 (b) Notwithstanding Subparagraph (a)(5) of this Rule, registrants temporarily working in North Carolina and licensees
36 working in North Carolina under reciprocity may post the Notice to Employees, NRC Form 3, or an equivalent form
37 issued under the authority of the regulatory agency issuing the registration or license.

1 (c) Copies of these regulations are available free of charge at [collections/cfr/part019/](https://www.nrc.gov/reading-rm/doc-</u>
2 <u><a href=).

3
4 *History Note: Authority G.S. 104E-7; 104E-12;*

5 *Eff. February 1, 1980;*

6 *Amended Eff. May 1, 1993; June 1, 1989;*

7 *Transferred and Recodified from 15A NCAC 11 .1001 Eff. February 1, 2015;*

8 *Pursuant to G.S. 150B-21.3A, rule is necessary without substantive public interest Eff. June 22,*
9 *~~2019~~ 2019;*

10 *Amended Eff. October 1, 2023.*

REQUEST FOR CHANGES PURSUANT TO G.S. 150B-21.10

AGENCY: North Carolina Radiation Protection Commission

RULE CITATION: 10A NCAC 15 .1601

DEADLINE FOR RECEIPT: Wednesday, September 6, 2023.

PLEASE NOTE: This request may extend to several pages. Please be sure you have reached the end of the document.

The Rules Review Commission staff has completed its review of this Rule prior to the Commission's next meeting. The Commission has not yet reviewed this Rule and therefore there has not been a determination as to whether the Rule will be approved. You may email the reviewing attorney to inquire concerning the staff recommendation.

In reviewing this Rule, the staff recommends the following changes be made:

Throughout the Rule, there are many instances where licensees and registrants are directed to address communications and report to the agency “at the address shown in Rule .0111 of this Chapter....” In Rule .0111, there is both a street and a mailing address. Please consider specifying how you want to receive these communications, and/or specifying “addresses” in this Rule.

In (a)(3), item (B), is used in 10 CFR 20.1003 but is not defined there.

In (a)(3), item F, “NRC-licensed”, is not used or defined in 10 CFR 19.3.

In (b), p.4, line 23, the Rule prohibits exposing a monitoring device to deceptively indicate a dose. Is there a penalty associated with this prohibition?

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina 27609.

Brian Liebman
Commission Counsel
Date submitted to agency: August 23, 2023

1 10A NCAC 15 .1601 is readopted with changes as published in 37:19 NCR 1923-1927 as follows:

2
3 **SECTION .1600 - STANDARDS FOR PROTECTION AGAINST RADIATION**

4
5 **10A NCAC 15 .1601 PURPOSE AND SCOPE STANDARDS FOR PROTECTION AGAINST**
6 **RADIATION**

7 ~~(a) The rules in this Section establish standards for protection against ionizing radiation resulting from activities~~
8 ~~conducted under licenses and registrations issued by the agency pursuant to the rules in this Chapter.~~

9 ~~(b) It is the purpose of the rules in this Section to control the receipt, possession, use, transfer, and disposal of sources~~
10 ~~of radiation by any licensee or registrant in such a manner that the total dose to an individual, including doses resulting~~
11 ~~from all sources of radiation other than background radiation, does not exceed the standards for protection against~~
12 ~~radiation prescribed in the rules in this Section. However, nothing in this Section shall be construed as limiting actions~~
13 ~~that may be necessary to protect health and safety.~~

14 ~~(c) The rules in this Section apply to persons licensed or registered by the agency to receive, possess, use, transfer, or~~
15 ~~dispose of radioactive material or other sources of radiation. The limits in this Section do not apply to doses due to~~
16 ~~background radiation, to exposure of patients to radiation for the purpose of medical diagnosis or therapy, to voluntary~~
17 ~~participation in medical research programs, or to exposure from individuals administered radioactive material and~~
18 ~~released in accordance with Rule .0358 of this Chapter.~~

19 ~~(d) Nothing in this Section shall relieve a licensee engaged in operation of a radioactive waste disposal facility, as~~
20 ~~defined in Rule .0104 of this Chapter, from responsibility for complying with the requirements in Section .1200 of~~
21 ~~this Chapter.~~

22 ~~(e) Effective January 1, 1994 all licensees and registrants shall comply with the rules in this Section and cease to~~
23 ~~comply with the requirements in Section .0400 of this Chapter, except as provided otherwise in Rule .1602 of this~~
24 ~~Section.~~

25 (a) Persons registered with the agency pursuant to the rules in Section .0200 of this Chapter and persons licensed
26 pursuant to the rules in Section .0300, .0900, .1200, or .1300 of this Chapter shall comply with the provisions of 10
27 CFR 20 as follows, which are hereby incorporated by reference including subsequent amendments and editions, except
28 references to and requirements for 10 CFR 50, 52, 60, 63, 72, 73, and 76 shall not apply:

29 (1) 20.1001, "Purpose," except that non-ionizing radiation from radiation machines registered in
30 accordance with the rules in Section .0200 of this Chapter shall also be regulated by this Rule;

31 (2) 20.1002, "Scope;"

32 (3) 20.1003, "Definitions," except that for persons registered with the agency pursuant to the rules in
33 Section .0200 of this Chapter, the following terms used in 20.1003 shall have the following
34 substitutions:

35 (A) "license" shall have the same meaning as "registration" as defined in Rule .0104(131) of
36 this Chapter;

37 (B) "licensed" means registered pursuant to the rules in Section .0200 of this Chapter;

- 1 (C) “licensed material” shall have the same meaning as “radiation machine” as defined in Rule
2 .0104(122) of this Chapter, and
- 3 (D) “licensee” shall have the same meaning as “registrant” as defined in Rule .0104(130) of
4 this Chapter;
- 5 (4) 20.1004, “Units of radiation dose;”
- 6 (5) 20.1005, “Units of radioactivity;”
- 7 (6) 20.1007, “Communications,” except that licensees and registrants shall address communications
8 regarding these rules, notifications, and reports to the agency at the address shown in Rule .0111 of
9 this Chapter in lieu of the NRC;
- 10 (7) 20.1101, “Radiation protection programs;”
- 11 (8) 20.1201, “Occupational dose limits for adults;”
- 12 (9) 20.1202, “Compliance with requirements for summation of external and internal doses;”
- 13 (10) 20.1203, “Determination of external dose from airborne radioactive material;”
- 14 (11) 20.1204, “Determination of internal exposure;”
- 15 (12) 20.1206, “Planned special exposures;”
- 16 (13) 20.1207, “Occupational dose limits for minors;”
- 17 (14) 20.1208, “Dose equivalent to an embryo/fetus;”
- 18 (15) 20.1301, “Dose limits for individual members of the public;”
- 19 (16) 20.1302, “Compliance with dose limits for individual members of the public;”
- 20 (17) 20.1401, “General provisions and scope;”
- 21 (18) 20.1402, “Radiological criteria for unrestricted use;”
- 22 (19) 20.1403, “Criteria for license termination under restricted conditions;”
- 23 (20) 20.1404, “Alternate criteria for license termination;”
- 24 (21) 20.1405, “Public notification and public participation,” except the agency shall not publish a notice
25 in the Federal Register;
- 26 (22) 20.1406, “Minimization of [contamination;”] contamination,” except that 20.1406(b) shall not
27 apply;
- 28 (23) 20.1501, “General;”
- 29 (24) 20.1502, “Conditions requiring individual monitoring of external and internal occupational dose;”
- 30 (25) 20.1601, “Control of access to high radiation areas;”
- 31 (26) 20.1602, “Control of access to very high radiation areas;”
- 32 (27) 20.1701, “Use of process or other engineering controls;”
- 33 (28) 20.1702, “Use of other controls;”
- 34 (29) 20.1703, “Use of individual respiratory protection equipment;”
- 35 (30) 20.1704, “Further restrictions on the use of respiratory equipment;”
- 36 (31) 20.1705, “Application for use of higher assigned protection factors;”
- 37 (32) 20.1801, “Security of stored material;”

- 1 (33) 20.1802, “Control of material not in storage:”
- 2 (34) 20.1901, “Caution signs:”
- 3 (35) 20.1902, “Posting requirements:”
- 4 (36) 20.1903, “Exceptions to posting requirements:”
- 5 (37) 20.1904, “Labeling containers:”
- 6 (38) 20.1905, “Exemptions to labeling ~~requirements:”~~ requirements,” except that 20.1905(g) shall not
7 apply:
- 8 (39) 20.1906, “Procedures for receiving and opening packages:”
- 9 (40) 20.2001, “General requirements:”
- 10 (41) 20.2002, “Method for obtaining approval of proposed disposal procedures:”
- 11 (42) 20.2003, “Disposal by release to sanitary sewerage:”
- 12 (43) 20.2004, “Treatment or disposal by incineration:”
- 13 (44) 20.2005, “Disposal of specific wastes:”
- 14 (45) 20.2006, “Transfer for disposal and manifests:”
- 15 (46) 20.2007, “Compliance with environmental and health protection regulations:”
- 16 (47) 20.2008, “Disposal of certain byproduct material:”
- 17 (48) 20.2101, “General provisions:”
- 18 (49) 20.2102, “Records of radiation protection programs:”
- 19 (50) 20.2103, “Records of surveys:”
- 20 (51) 20.2104, “Determination of prior occupational dose:”
- 21 (52) 20.2105, “Records of planned special exposures:”
- 22 (53) 20.2106, “Records of individual monitoring results:”
- 23 (54) 20.2107, “Records of dose to individual members of the public:”
- 24 (55) 20.2108, “Records of waste disposal:”
- 25 (56) 20.2110, “Form of records:”
- 26 (57) 20.2201, “Reports of theft or loss of material.” Persons registered with the agency pursuant to the
27 rules in Section .0200 of this Chapter shall make telephone reports of the theft or loss of radiation
28 machines in accordance with 20.2201(a)(1)(i);
- 29 (58) 20.2202, “Notifications of incidents:”
- 30 (59) 20.2203, “Reports of exposures, radiation levels, and concentrations of radioactive material
31 exceeding the constraints or ~~limits:”~~ limits.” except that 20.2203(c) shall not apply:
- 32 (60) 20.2204, “Reports of planned special exposures:”
- 33 (61) 20.2205, “Reports to individuals exceeding dose limits:”
- 34 (62) 20.2206, “Reports of individual monitoring,” except ~~[20.2206(a)(3):]~~ that 20.2206(a)(1), and
35 20.2206(a)(3) – (a)(5) shall not apply. The report required by 20.2206(b) shall be submitted upon
36 request by the agency in lieu of the requirements of 20.2206(c);

1 (63) 20.2207, “Reports of transactions involving nationally tracked sources.” Notwithstanding
 2 Subparagraph (a)(6) of this Rule, reports required by this Subparagraph shall be made in accordance
 3 with 20.2207(f) and (g);

4 (64) 20.2301, “Application for exemptions,” except that the request for exemption shall be made on the
 5 licensee’s or registrant’s business letterhead. Requests for exemptions from the requirements of this
 6 Rule shall be made to the agency at the address shown in Rule .0111 of this Chapter in lieu of the
 7 NRC or as otherwise instructed by the agency. To request an exemption, the following information
 8 shall be submitted to the agency:

9 (A) licensee or registrant name;

10 (B) license or registration number;

11 (C) name and contact information for the individual requesting the exemption;

12 (D) a description of the exemption being requested, and

13 (E) an explanation describing why the exemption is necessary;

14 (65) 20.2302, “Additional requirements;”

15 (66) Appendix A to Part 20, “Assigned Protection Factors for Respirators;”

16 (67) Appendix B to Part 20, “Annual Limits on Intake (ALIs) and Derived Air Concentrations (DACs)
 17 of Radionuclides for Occupational Exposure; Effluent Concentrations; Concentrations for Release
 18 to Sewerage;”

19 (68) Appendix C to Part 20, “Quantities of Radioactive Material Requiring Labeling;”

20 (69) Appendix E to Part 20, “Nationally Tracked Source Thresholds,” and

21 (70) Appendix G to Part 20, “Requirements for Transfers of Low-Level Radioactive Waste Intended for
 22 Disposal at Licensed Land Disposal Facilities and Manifests.”

23 (b) Exposure of a personnel monitoring device to deceptively indicate a dose delivered to an individual is prohibited.

24 (c) Licensees and registrants shall continue to perform all activities required by the rules of this Chapter, license or
 25 registration condition, and shall pay annual fees as instructed on an invoice issued by the agency until the license or
 26 registration is terminated. Registrants shall maintain registration of all radiation machines under their control until
 27 those units are disposed.

28 (d) Nothing in the rules of this Chapter shall relieve any person of responsibility for complying with other applicable
 29 North Carolina laws and rules.

30 (e) Copies of these regulations are available free of charge at [https://www.nrc.gov/reading-rm/doc-](https://www.nrc.gov/reading-rm/doc-collections/cfr/part020/)
 31 [collections/cfr/part020/](https://www.nrc.gov/reading-rm/doc-collections/cfr/part020/).

32
 33 *History Note: Authority G.S. 104E-7(a)(2);*

34 *Eff. January 1, 1994;*

35 *Amended Eff. August 1, 1998;*

36 *Transferred and Recodified from 15A NCAC 11 .1601 Eff. February 1, 2015; 2015;*

37 *Readopted Eff. October 1, 2023.*