

ACT

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dated 18th August, 2022

SIGNED this *10th day of February, 2022.*

DR. JULIUS MAADA BIO,
President.



No. 14



2022

Sierra Leone

**THE NUCLEAR SAFETY AND RADIATION PROTECTION
(AMENDMENT) ACT, 2022**

Short title.

Being an Act to amend the Nuclear Safety and Radiation Protection Authority Act, 2012 to provide adequate protection to the public, workers and the environment against the harmful effects of radiation and to provide for other related matters.

[

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Date of commencement.

ENACTED by the President and Members of Parliament in this present Parliament assembled.

Amendment
of Act No.
7 of 2012.

1. The Nuclear Safety and Radiation Protection Authority Act, 2012 is amended by replacing the words "ionizing radiation", with the word " radiation" wherever it occurs

Amendment
of section 1
of Act No. 7
2012.

2. Section 1 of the Nuclear Safety and Radiation Protection Authority Act, is amended by the repeal and replacement of the definition-

(a) "Minister" with the following new definition-

"Minister" means the Minister
responsible the Environment;

(b) "radiation" with the following new definition-

"radiation" means "ionizing radiation
and non-ionizing radiation.

Amendment
of section 2
of Act No. 7
of 2012.

3. Section 2 of the Nuclear Safety and Radiation Protection Authority Act, 2012 is amended by the repeal and replacement of that section with the following new section-

"Application.

2. This Act shall apply to every
source of radiation above the exemption level
other than-

(a) radioactive substances found
in nature; and

(b) sealed source or an apparatus
or a device containing a sealed
source, where the dose rate at
10 cm from the source does not
exceed 1 micro Sievert per hour
and the source activity does
not exceed the exemption level.”

4. Section 5 of the Nuclear Safety and Radiation Protection Authority Act, 2012 is amended in subsection (2) thereof, by - Amendment of section 5 of Act No. 7 of 2012.

(a) inserting immediately after paragraph (xvi) the following new paragraphs-

"(xvii) to monitor all base stations and masts to ensure that they are in compliance with regulatory standards;

(xviii) to monitor ultra violet radiation, magnetic resonance imaging, ultra sound, lasers, etc.;

(xix) to monitor food and other consumables for radioactive contamination";

(b) renumbering of paragraph (xvii) as (xx).

5. Section 7 of the Nuclear Safety and Radiation Protection Authority Act, 2012 is amended in paragraph (a) thereof, by the repeal and replacement of that paragraph with the following new paragraph- Amendment of section 2 of Act No. 7 of 2012.

"(a) enter, without hindrance, at any time, into any premises, vehicle, ship or aircraft to which this Act applies, with such equipment as the circumstances may require for the performance of his duty under this Act;"

Amendment
of section 15
of Act No. 7
of 2012.

6. Section 15 of the Nuclear Safety and Radiation Protection Authority Act, 2012 is amended by the repeal and replacement of-

(a) subsection (2) with the following new subsection-

"(2) The Board shall consist of a Chairman and the following other members, not below the rank of a Director, representing their respective institutions-

- (a) The Ministry of the Environment;
- (b) The Ministry of Finance;
- (c) The Ministry of Health and Sanitation;
- (d) The Ministry of Fisheries and Marine Resources;
- (e) The Ministry of Planning and Economic Development;
- (f) Ministry of Energy;
- (g) Ministry of Information and Communications
- (h) The Environment protection Agency;
- (i) The Sierra Leone Police;
- (j) The office of National Security

- (k) The Solicitor-General;
 - (l) 2 members, at least one of whom shall be female, with proven knowledge and experience in radiation protection matters, appointed by the President on the recommendation of the Minister subject to the approval of Parliament; and
 - (m) The Executive Secretary and Chief Radiation Protection Officer who shall be ex-officio and Secretary to the Board;
- (b) paragraph (a) of subsection (3) with the following new paragraph-
- (a) a person of proven integrity and demonstrated professional knowledge and experience in radiation protection matters related to the functions of the Authority, appointed by the President on the recommendation of the Minister and subject to approval by Parliament.

7. Section 44 of the Nuclear Safety and Radiation Protection Authority Act, 2012 is amended by the repeal and replacement of that section with the following new sections -

Amendment
of section
44 of Act
No. 7 of
2012.

"Categories
of radioactive
substances.

44. The categories of radioactive substances and practices shall be classified as follows-

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- (a) category 1-RTGs, irradiators, teletherapy, fixed multibeam teletherapy gamma knife;
 - (b) category 2-industrial gamma radiography + sources, high or medium dose rate brachytherapy sources;
 - (c) category 3-fixed industrial gauges that incorporate high activity sources, well logging gauges;
 - (d) category 4- low dose rate brachytherapy sources, industrial gauges that do not incorporate high activity sources, bone densitometers, static eliminators;
 - (e) category 5-low dose rate brachytherapy eye plaques and permanent implant sources, x-ray fluorescence devices, electron capture devices, Mossbauer Spectrometry, positron emission topography check sources.

"Categorization of nuclear material.

44A. The categories of nuclear material shall be classified as follows-

- (a) category 1-
 - (i) 2kg or more Plutonium/ U-233;
 - (ii) 5kg or more HEU;
- (b) category 2-
 - (i) 500 grams to 2kg plutonium/ U233;

- (ii) 1-5kg HEU;
 - (iii) 10 kg or more LEU (10-20% U-235);
 - (iv) Irradiated fuel (depleted uranium, natural uranium or LEU with fissile content or uranium less than 10%;
- (c) Category 3-
- (i) 15-500grams plutonium/ U-233;
 - (ii) 15-1kg HEU;
 - (iii) 1-10 kg LEU (10-20% U-235);
 - (iv) 10kg or more uranium enriched up to 10% U-235”.

8. Section 46 of the Nuclear Safety and Radiation Protection Authority Act, 2012 is amended by the repeal and replacement of subsection (1) with the following new subsection-

Amendment
of section
46 of Act
No. 7 of
2012.

- "(1) A person who -
- (a) willfully obstructs another person in the exercise of that person's duties under this Act;
 - (b) without reasonable excuse, fails to produce a licence or other document required to be produced by this Act;

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- (c) willfully withholds any information relating to ownership or management required under this Act;
 - (d) willfully prevents or attempts to prevent a person from giving information relating to ownership or management required under this Act; or
 - (e) gives information which he knows to be untrue or has no reason to believe to be true,

commits an offence and is liable on conviction to a fine not less than 10,000,000.00 Leones or to imprisonment for a term not exceeding 2 years or to both such fine and imprisonment. "

Passed in Parliament this *25th day of January*, in the year of our Lord two thousand and Twenty Two.

PARAN UMAR TARAWALLY,
Clerk of Parliament.

THIS PRINTED IMPRESSION has been carefully compared by me with the Bill which has passed Parliament and found by me to be a true and correct printed copy of the said Bill.

PARAN UMAR TARAWALLY,
Clerk of Parliament.