SAFETY MONTH
WORLD DAY FOR SAFETY AND HEALTH AT WORK 2020

RADIATION SAFETY IN BRUNEI: PART 2

Presented by:
Dk Nurul Nazirah Binti Pg Abd Rahman
OBJECTIVES OF PRESENTATION

- What is radiation?
- Why is radiation safety important?
- Who regulates radiation safety in Brunei Darussalam?
- How can users of radiation help maintain radiation safety in the workplace?
- Where can information on radiation safety be obtained?
To protect the people – individually and collectively – society and the environment from radiation risks, both at present and in the future;

To ensure the peaceful use of nuclear technology in benefiting the socio-economic development.

To prevent the illicit trafficking, theft, malicious acts involving radioactive materials in Brunei Darussalam.
An Order to control and regulate the import, export, manufacture, sale, disposal, transport, storage, possession, and use of radioactive materials and controlled apparatus, to make provision in relation to the non-proliferation of nuclear weapons, to establish a system for the imposition and maintenance of nuclear safeguards, and to provide for matters connected therewith or incidental thereto.
Enforcement of Radiation Protection Order, 2018

Providing guidance and advice on issues related to ionising radiation

Representing Brunei Darussalam in discussions and negotiations on international agreements, conventions or treaties related to nuclear material or atomic energy

Act as the International Atomic Energy Agency (IAEA) National Liaison to ensure international obligations and commitments are implemented accordingly

Establish, maintain and develop scientific and technical cooperation with relevant international and national stakeholders

Responsible for matters related to radiological emergency
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LICENCES & REGISTRATION

SALE & SERVICES (L)

DISPOSAL/STORAGE (L)

EDUCATION (R)

IMPORT/EXPORT (L)

RADIOACTIVE MATERIAL & NUCLEAR MATERIAL

CONTROLLED APPARATUS (L)

TRANSPORTATION (L)

www.shena.gov.bn
Every licensee shall provide and maintain, so far as is reasonably practicable, for his employees who are exposed or likely to be exposed to radiation a working environment that is safe and without risks to health. Every licensee shall provide its workers:

a) Protection from exposure
b) Training, internal operation procedure & supervision
c) Report of over exposure incidences
d) Monitoring of equipment or devices
e) Periodic medical examinations

Sources: www.youtube.com
## CONSEQUENCES FROM NON-COMPLIANCE WITH RPO, 2018

<table>
<thead>
<tr>
<th>NO</th>
<th>TYPE OF OFFENSE</th>
<th>INDIVIDUAL</th>
<th>IMPRISONMENT (YEAR)</th>
<th>CORPORATE</th>
<th>SECTION RPO, 2018</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>NO LICENCE / EXPIRED LICENCE</td>
<td>$100,000</td>
<td>5</td>
<td>$10,000,000</td>
<td>6 (5), 7 (5)</td>
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<tr>
<td>2</td>
<td>SALES / PURCHASE/ DISPOSE NOTIFICATION</td>
<td>$100,000</td>
<td>1</td>
<td>$10,000,000</td>
<td>6 (6), 7 (6)</td>
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<tr>
<td>3</td>
<td>DISPOSE OF ANY RADIOACTIVE WASTE</td>
<td>$50,000</td>
<td>1</td>
<td></td>
<td>12 (2)</td>
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<tr>
<td>4</td>
<td>TRANSPORT ANY RADIOACTIVE WASTE</td>
<td>$50,000</td>
<td>1</td>
<td></td>
<td>15 (2)</td>
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<tr>
<td>5</td>
<td>REMEDIAL ORDER</td>
<td>$1,000,000</td>
<td>3</td>
<td></td>
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<tr>
<td>6</td>
<td>STOP WORK ORDER</td>
<td>$10,000,000</td>
<td>5</td>
<td></td>
<td>21 (5)</td>
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</table>
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CONTACT US FOR MORE INFORMATION ON REGULATION OF RADIATION ACTIVITIES

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Radiation Licence and Import/Export Authorisation

The radiation licensing regime is divided into two sectors:

1. Industrial; and
2. Medical.

All applications must be submitted to SHENA for an initial assessment to determine compliance with the general licensing requirements.

Types of Licence

The radiation activities that require to be licensed are as follows:

1. Import and export of radioactive material and/or controlled apparatus;
2. Use or deal (including storage and disposal) with radioactive material and/or controlled apparatus;
3. Manufacture of radioactive material and/or controlled apparatus;

1.0 ORGANISATION AND MANAGEMENT

1.1 A copy of the Radinfo@shena.gov.bn

2.0 RADIATION PROTECTION OFFICER (RPO)

2.1 A copy of the Radiation Protection Officer’s Report

3.0 RADIATION PROTECTION PROGRAMME

3.1 A copy of the Company’s Radiation Protection Program (inclusive of emergency plan)

4.0 SECURITY RADIOACTIVE MATERIAL PLAN

4.1 A copy of the Company’s Security Plan

5.0 RADIATION SURVEILLANCE MONITORING EQUIPMENT

5.1 A copy of the Radiation Monitoring Report

6.0 CONTACT US FOR MORE INFORMATION ON REGULATION OF RADIATION ACTIVITIES

Email: radinfo@shena.gov.bn

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3 IMPORTANT KEYPOINTS

- COMPLIANCE WITH THE RPO, 2018
- MAINTAIN SAFETY AND SECURITY CULTURE IN THE WORK PLACE
- LACK OF AN EMERGENCY PLAN COULD LEAD TO SEVERE LOSSES SUCH AS FINANCIAL COLLAPSE AND LIVES

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THANK YOU

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