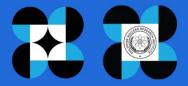
Implementation on the Code of Conduct on the Safety and Security of Radioactive Source: Philippine Perspective

Maria Teresa SALABIT

Nuclear Regulatory Division
Philippine Nuclear Research Institute



Regulatory Authority Set-Up



DOST

Philippine Nuclear Research Institute (PNRI)

Regulatory

Nuclear Division(NRD) DOH

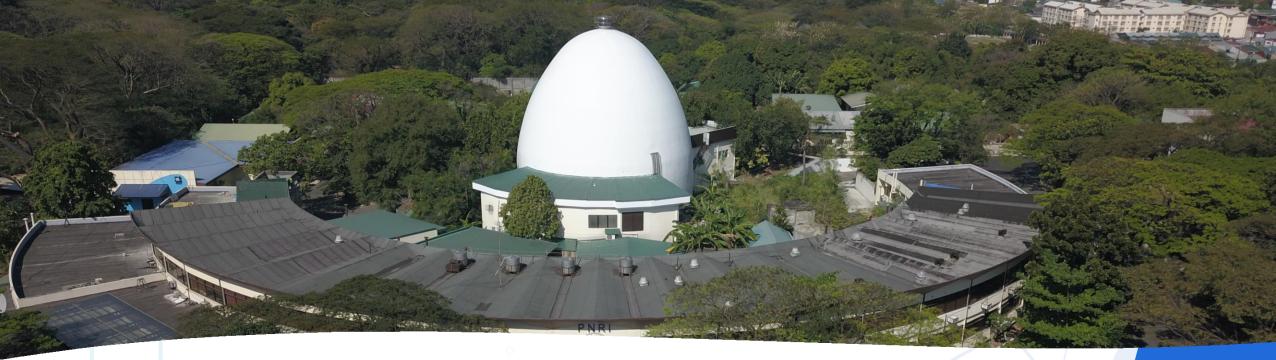
Food and Drug Administration (FDA)

Center for Device **Regulation Radiation** Health and Research (CDRRHR) -**Radiation Regulation Division**



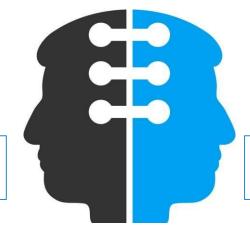
PNRI-NRD regulatory functions on nuclear and radioactive materials

FDA-CDRRHR regulatory functions on electrically generated ionizing radiation



Dual Mandate

To promote, develop and regulate the safe and peaceful uses of nuclear science and technology in the country.





Philippine Legislative and Regulatory Framework for Radioactive Material

RA/ EO

- Republic Act (RA) 2067 known as the Science Act of 1958, created PAEC
- Republic Act 5207 of 1968 known as An Act Providing for the Licensing and Regulation of Atomic Energy Facilities and Materials
- Executive Order (EO) of 1987 reorganizes PAEC to PNRI

- Rules and Regulations
- Administrative Orders
- Code of PAEC/PNRI Regulations (promulgated by PNRI)
 - consists of Parts 0 31; covers radiation protection, transport, security and fees and practice specific administrative and safety requirements

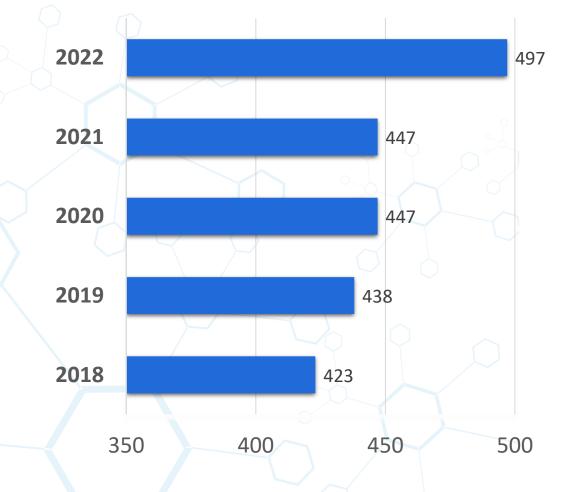
- Regulatory Guides
- Information Notices

 License application guides; Information bulletins and notices; incidents and lessons learned

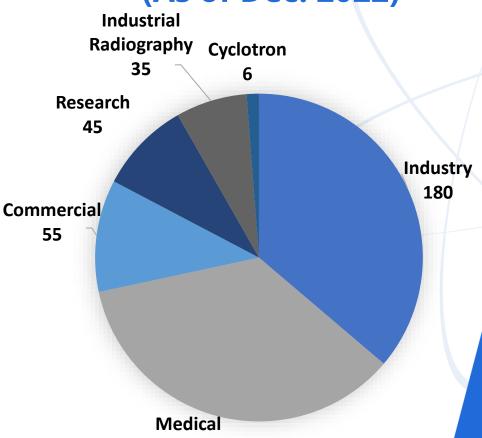


Number of Licensees



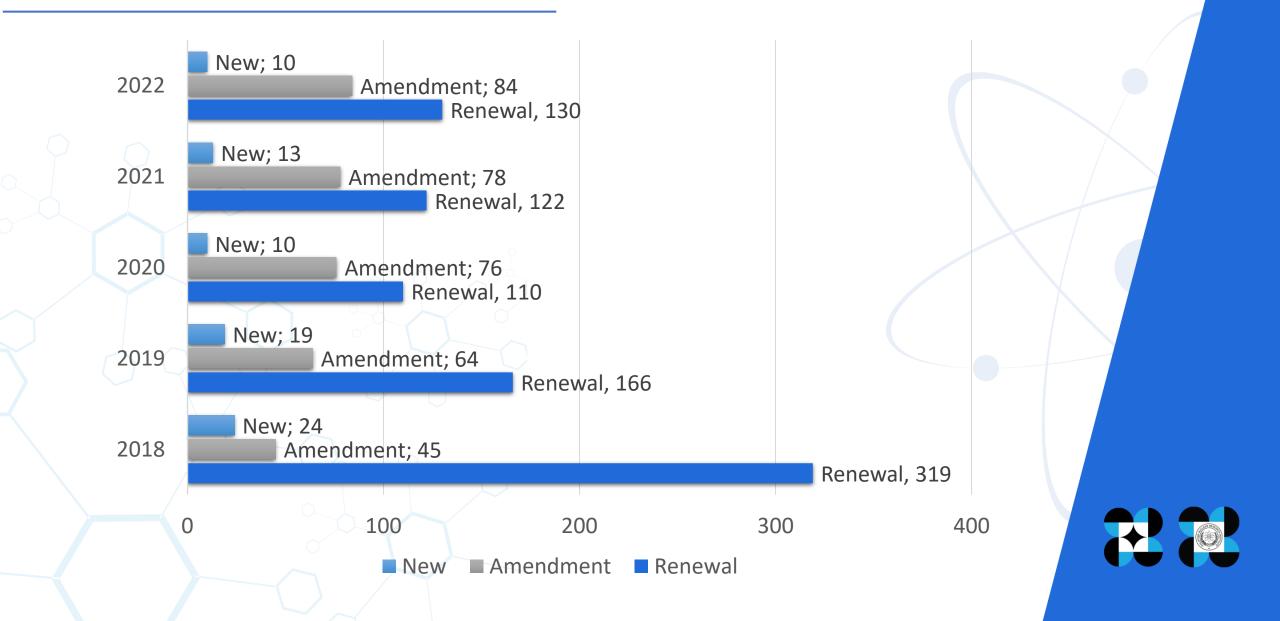


Number of Licensees according to Practice (As of Dec. 2022)

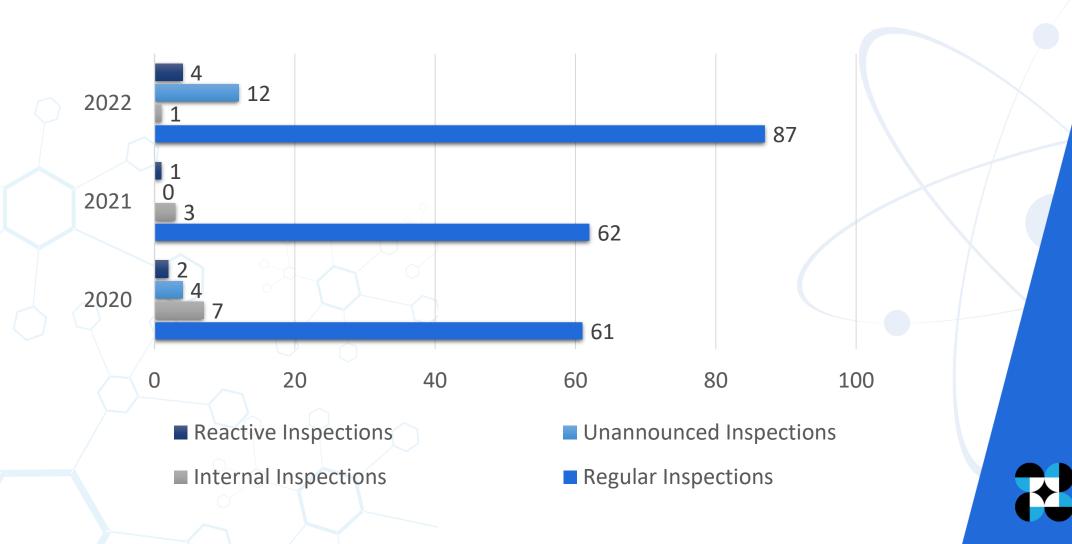


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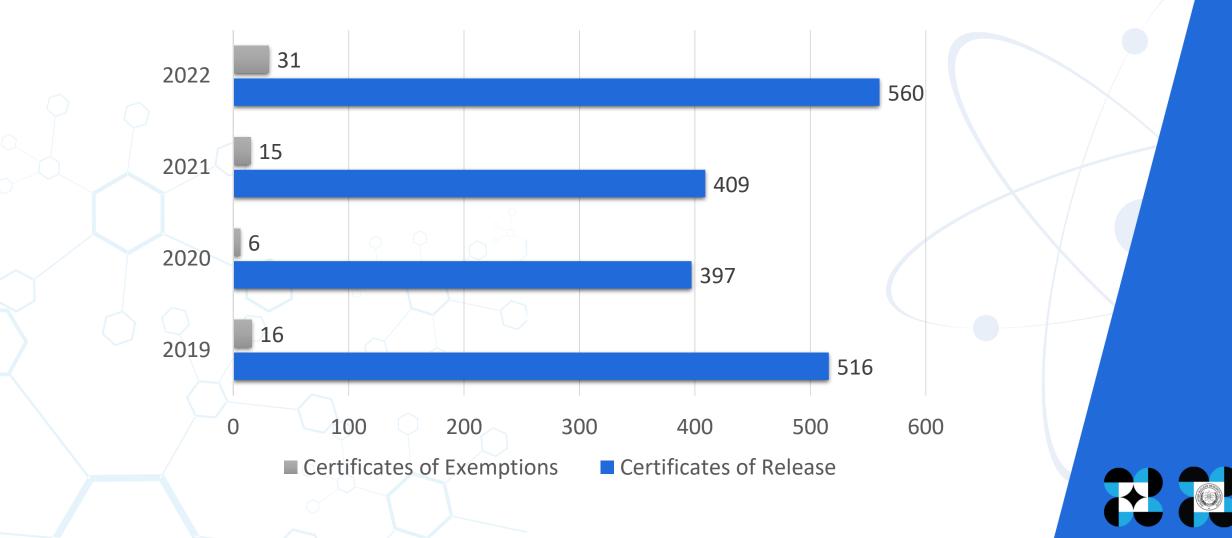
RAM License Issued



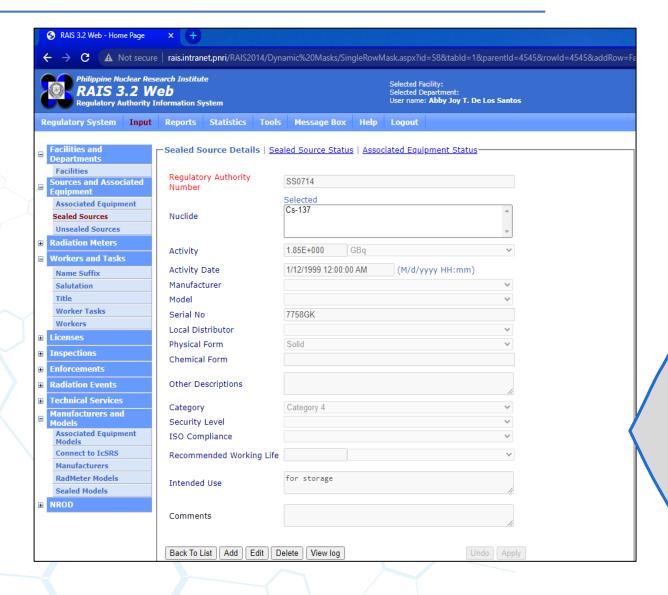
Inspections



Certificates Issued



RAIS 3.2



PRESENT

Regularly update RAIS with the current applications (new, renewal, and amendment)

Monitor the status of licensees based on the encoded data in RAIS

FUTURE

With the help of RAIS+, a more comprehensive report will be generated to easily obtain the desired pertinent information of the licensees

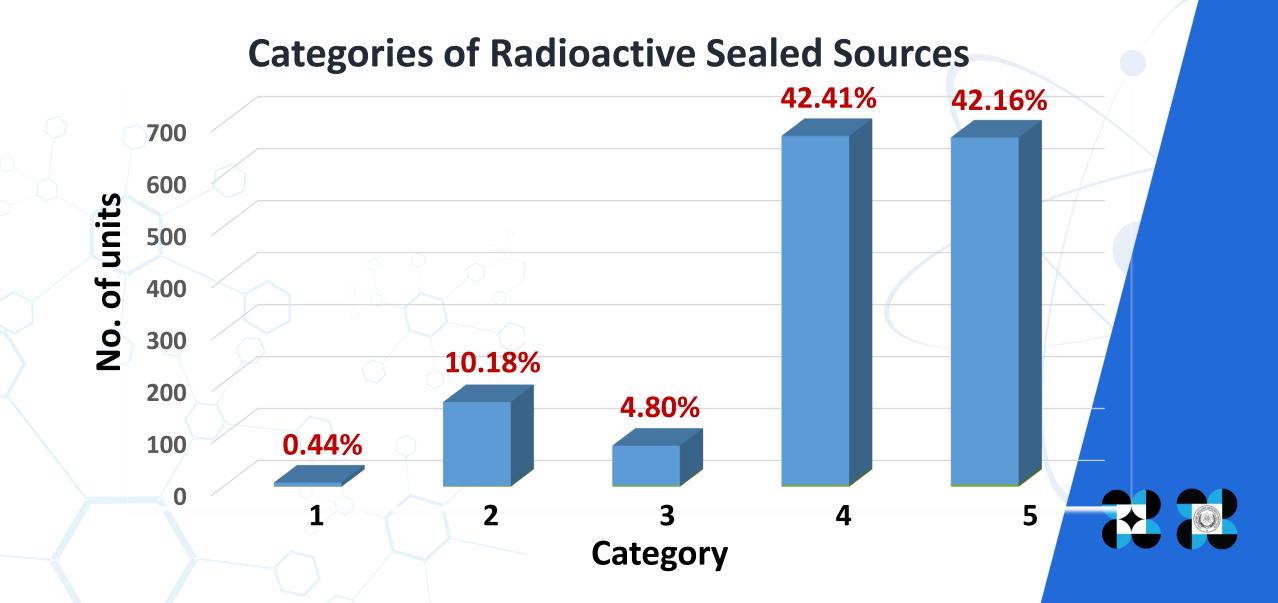


RAIS Data Requests

- Inventory of Licensed Radioactive Materials & Associated Equipment
- List of Licensees with Cs-137 Radioactive source/s of Categories 1 and 2
- Facility contact details of Categories 1-3
- Inventory of the associated equipment used in industrial radiography
- License Expiry
- Radioactive Sources of a Specific Facility
- Workers' Affiliation



SRS in the Country



PNRI Internal Regulatory Oversight



Nuclear Reactor Operation Section

IRCP-003

Secondary Standard Dosimetry

IRCP-002

Radiation Waste Management Facility

IRCP-007

Multipurpose Irradiation Facility



DSRS in Philippines

DSRS	CATEGORY	NO. OF UNITS	ACTIVITY (Bq)	
	Cat 1	1	3.9E+13	
	Cat 2	46	1.9E+14	
	Cat 3	12	1.4E+12	
	Cat 4	328	4.2E+12	
	Cat 5	1585	3.7E+11	
	Uncategorized	147	Data Unavailable	
	TOTAL	2119	~ 2.4E+14	



Other	STATUS	NO. OF UNITS	ACTIVITY (Bq)
DSRS	Transferred units (repatriated, for rent, etc.)	926	2.1E+14
	Units released from regulatory control	262	4.8E+4
	TOTAL Units	1224	2.1E+14



- DSRS are retrieved and conditioned in stainless steel capsule and placed inside concrete lined steel drums.
- DSRS that are unretrievable (corrosion, legacy) are placed in storage shelves



Other NRD Activity Highlights



Participation to ORPAS Mission

- Pre-licensing Inspections (9)
- License Terminated (13)

RESEARCH REACTOR FACILITY AUTHORIZATION

Pursuant to PNRI Office Policy Instruction No. 01 Series of 2022, "Revised Radiological Health and Safety Policy, on the Terms of Reference of the Nuclear and Radiological Safety and Security Management Committee (NRSSMC), an Internal Regulatory Control Program (IRCP) for PNRI Nuclear and Radiation Facilities and Laboratories", and in reliance on statements and representations heretofore made by the facility operator; this Authorization is hereby issued for the conduct of the following activities:

- a. implementation of IAEA Technical Cooperation Project (PHI0016), "Building Capacity for the Safe Operation and Utilization of the PRR-1 Subcritical Assembly for Training, Education and Research" with scope as may be applicable;
- b. implementation of PNRI-GAA funded project, "Capacity building to utilize the Philippine Research Reactor-1 TRIGA fuel in a subcritical assembly to re-establish Nuclear Science Knowledge and Expertise in the Philippines" with scope as may be applicable:
- c. operation and maintenance of plant infrastructure including good housekeeping;

and to **possess**, **store**, and **use** the nuclear/radioactive material(s) and to **operate** the facility listed at the place(s) designated below.

1. Reactor Facility Manager: Ryan U. Olivares

Name of Facility/Laboratory: PHILIPPINE RESEARCH REACTOR - 1

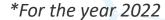
SUBCRITICAL ASSEMBLY FOR TRAINING, EDUCATION, AND RESEARCH (PRR-1 SATER)

. Division/Section or Unit: Nuclear Services Division (NSD) /

Nuclear Reactor Operations Section (NROS)

4. Authorization Number: IRCP-017-0323

Issuance of Authorization to Operate a Subcritical Research Reactor





IMPORT and EXPORT on the Code of Conduct Guidance







Stakeholders: Trade



Frontline Officer (FLO) Trade

- Dept. of Trade and Industry- Strategic Trade Management Office (DTI-STMO)
- Dept Of Finance-BOC

Regulatory Authority: Certificate of Release

Philippine Nuclear Research Institute



Mandate: Bureau of Customs

- Assessing and collecting customs revenues,
- Curbing illicit trade and all forms of customs fraud,
- Facilitating trade through an efficient and effective customs management system.

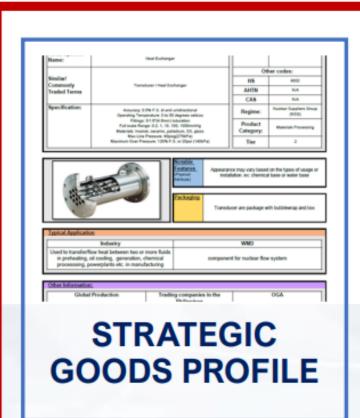


STRATEGIC TRADE MANAGEMENT OFFICE

The lead government agency responsible for managing the trade of strategic goods and technologies to prevent the proliferation of weapons of mass destruction.

OFFICE









STRATEGIC TRADE RISK ASSESSMENT TOOLS



Thank You!!!

Department of Science and Technology

Philippine Nuclear Research Institute



pnri.dost.gov.ph



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