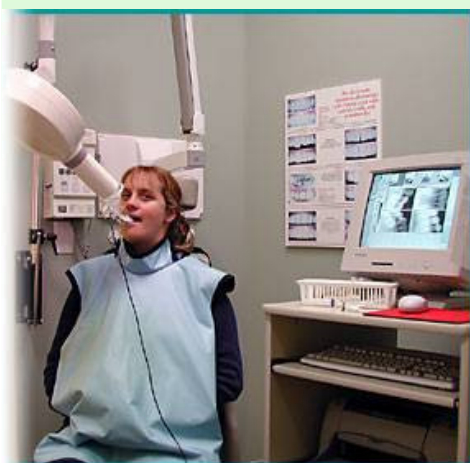
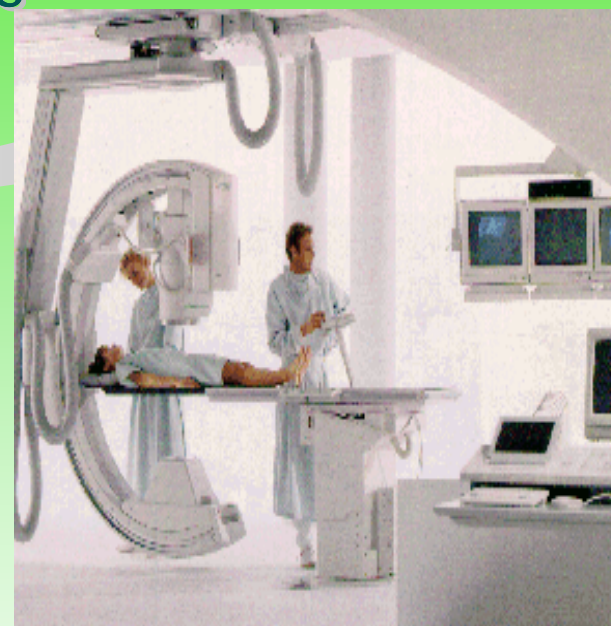


*Radiation
Benefit or Risk*

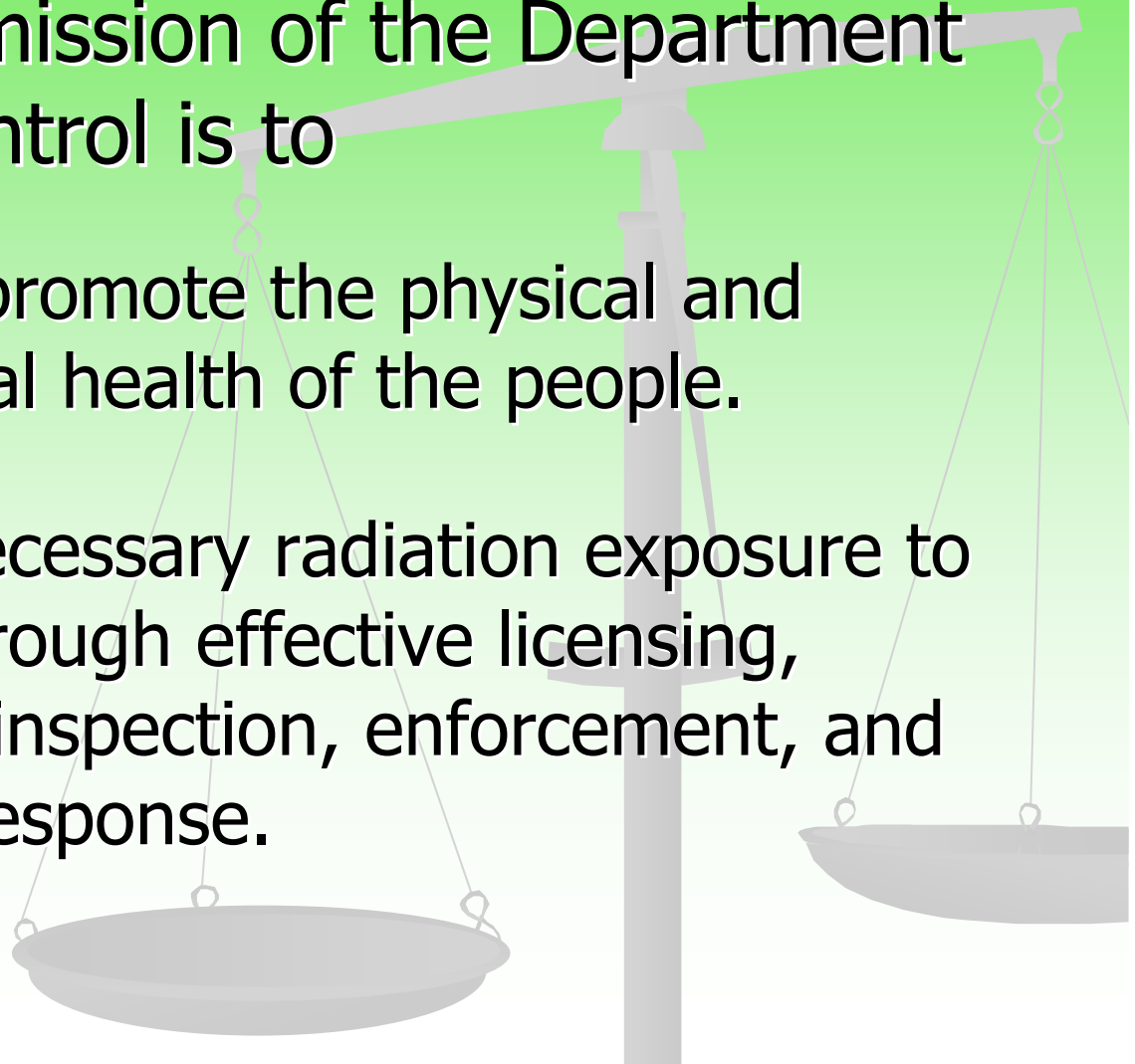
**REPORT
of
Department
RADIATION CONTROL**



Public Health
Regional Health Inspectorate of Varna
Bulgaria
2014

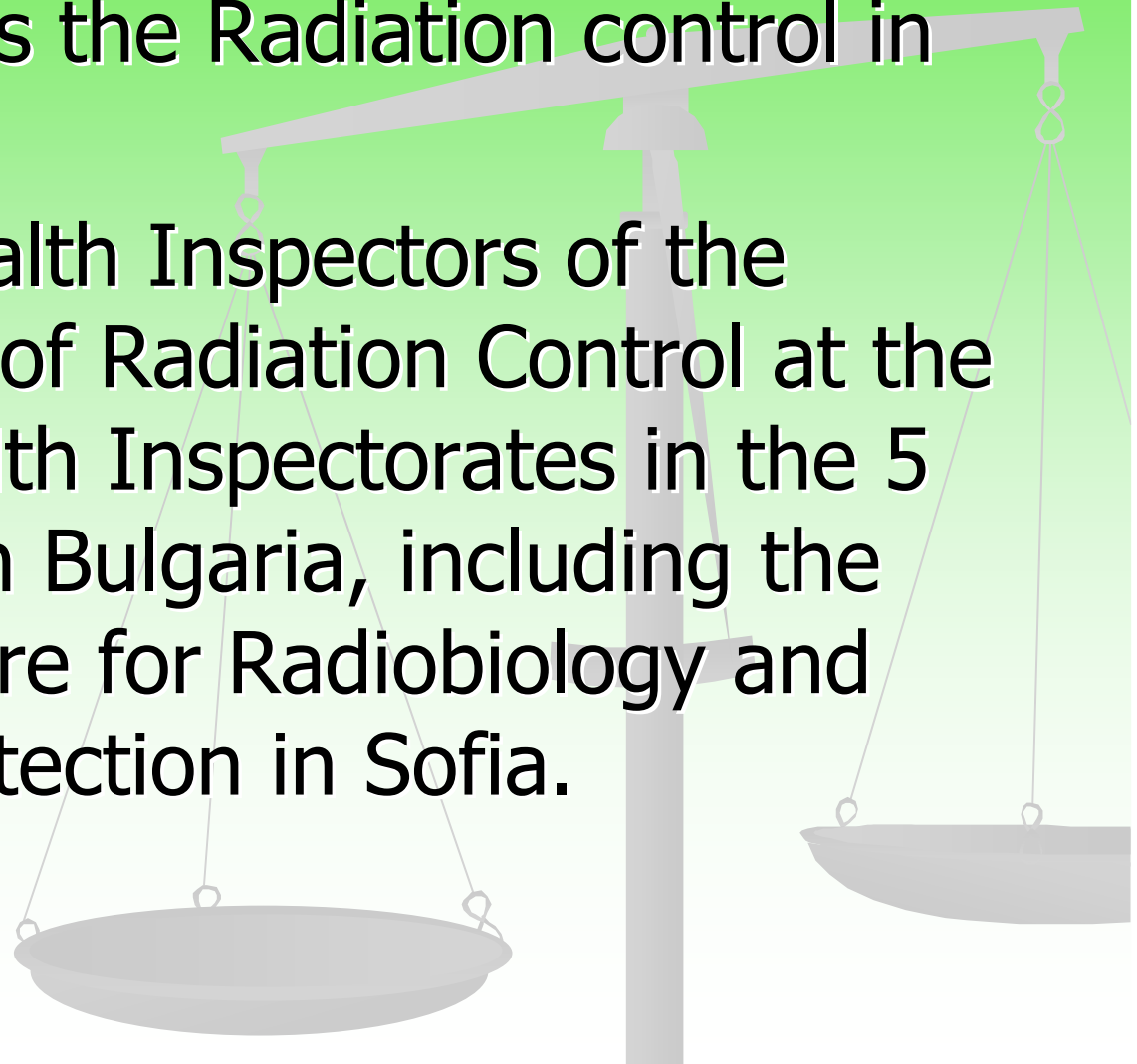
Radiation Benefit or Risk

- The important mission of the Department of Radiation Control is to
 - protect and promote the physical and environmental health of the people.
 - prevent unnecessary radiation exposure to the public through effective licensing, registration, inspection, enforcement, and emergency response.

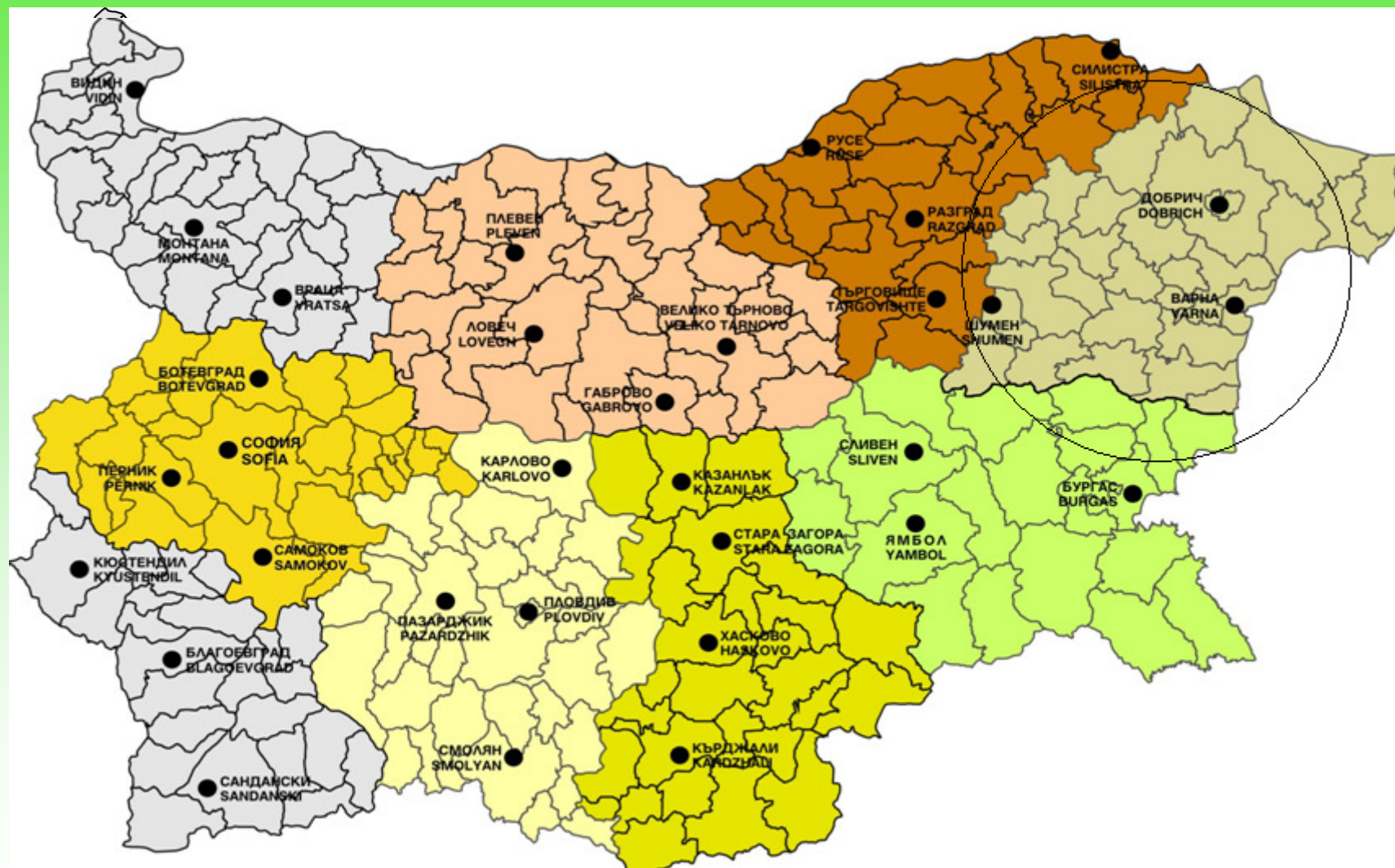


Radiation Benefit or Risk

- Who administers the Radiation control in Bulgaria?
 - The State Health Inspectors of the Departments of Radiation Control at the Regional Health Inspectorates in the 5 main towns in Bulgaria, including the National Centre for Radiobiology and Radiation Protection in Sofia.



Control map in Bulgaria

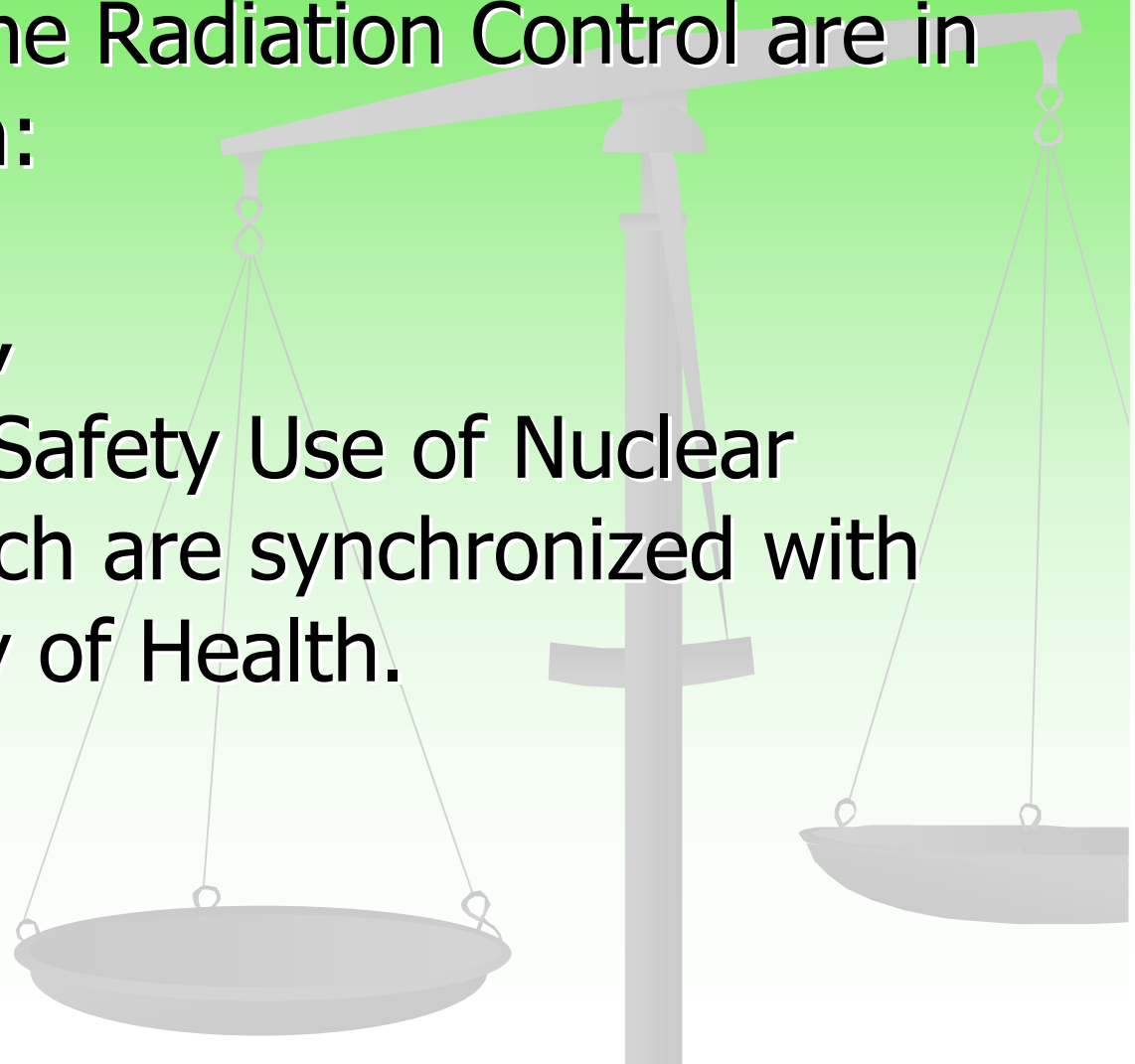


Regional Health Inspectorate - Varna



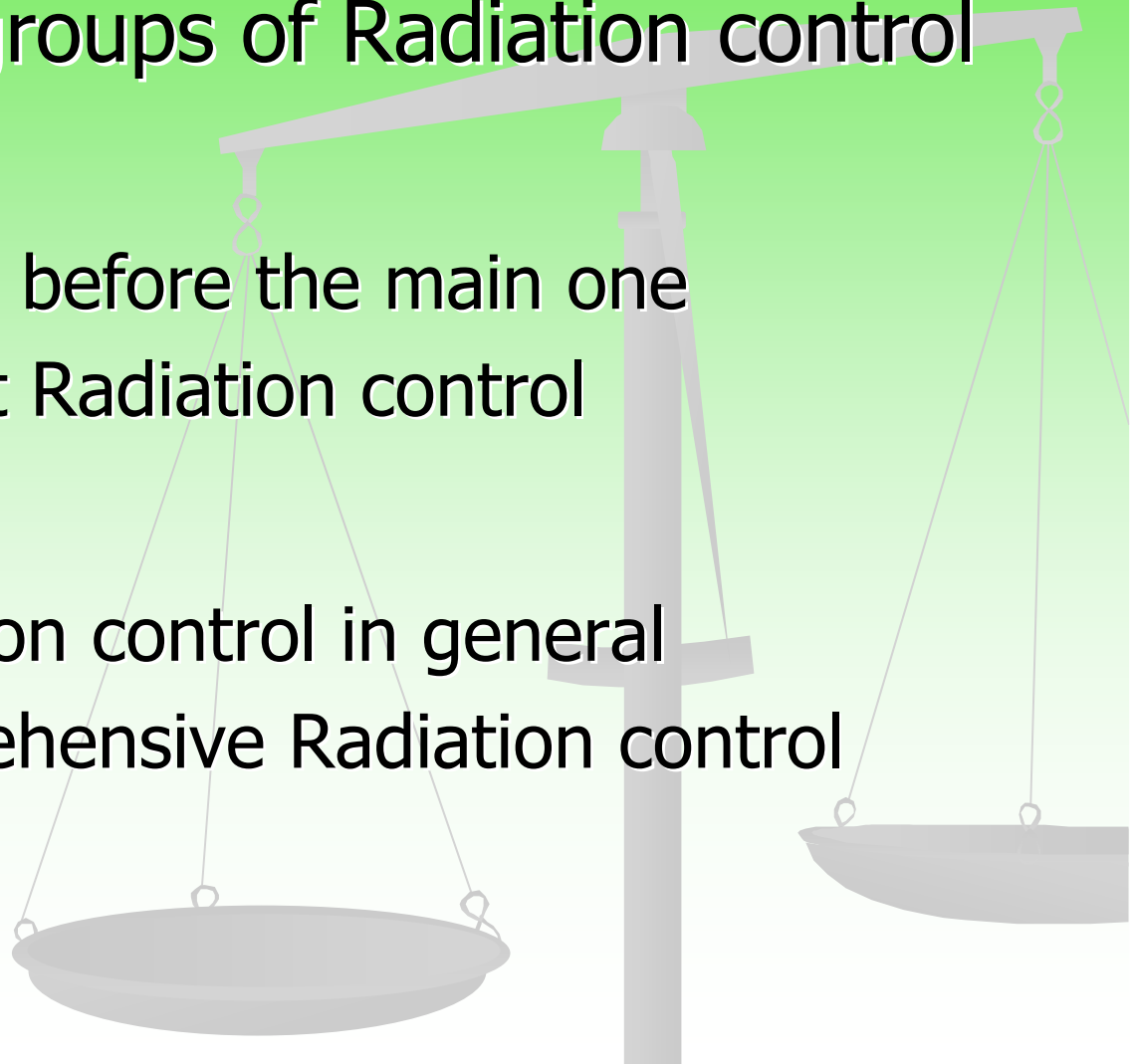
Radiation Benefit or Risk

- The duties of The Radiation Control are in compliance with:
 - Health Law,
 - Act on the Safety Use of Nuclear Energy which are synchronized with the Ministry of Health.



Radiation Benefit or Risk

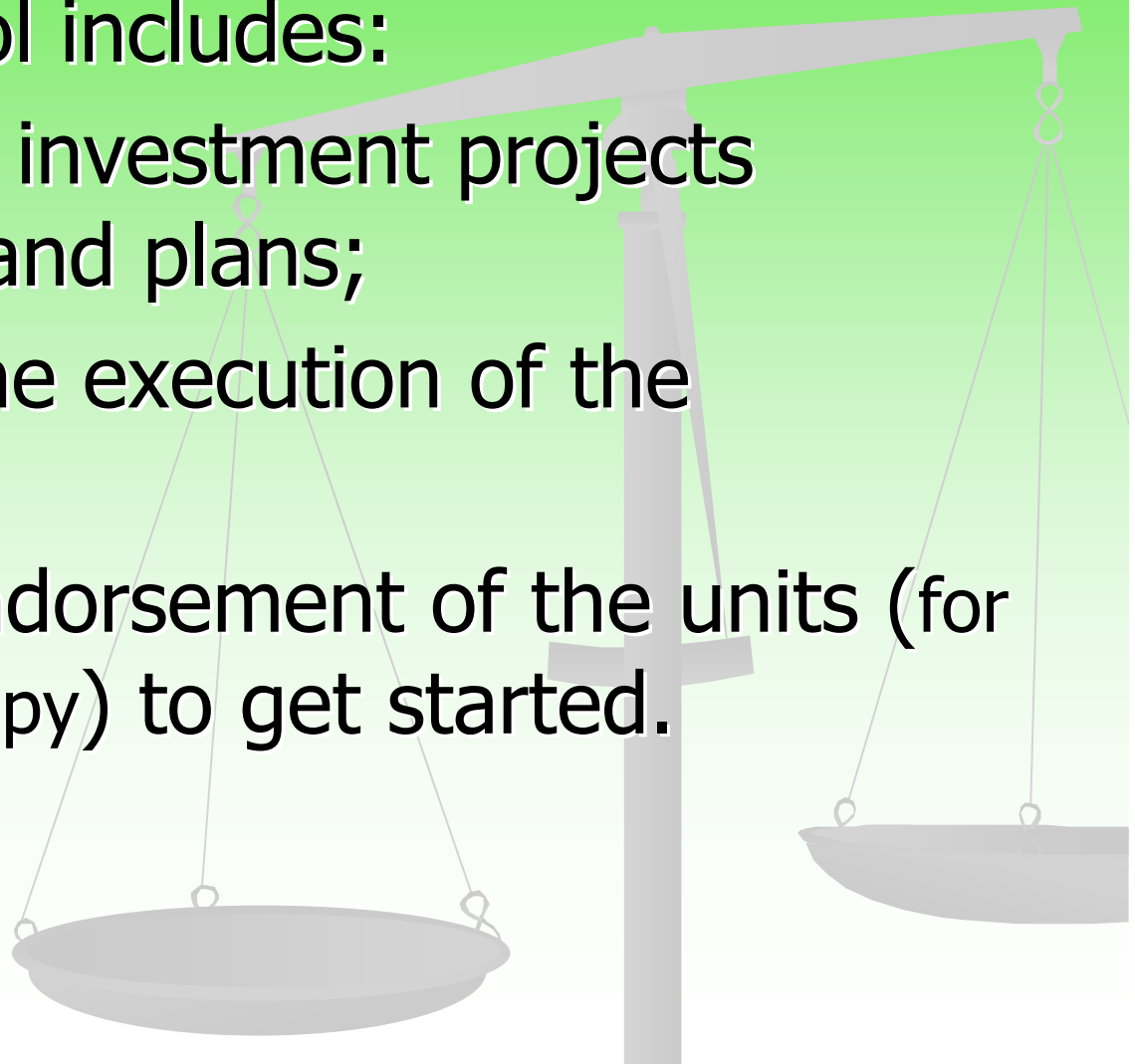
- There are two groups of Radiation control
 - First group:
 - Control before the main one
 - Current Radiation control
 - Second group:
 - Radiation control in general
 - Comprehensive Radiation control



Radiation Benefit or Risk

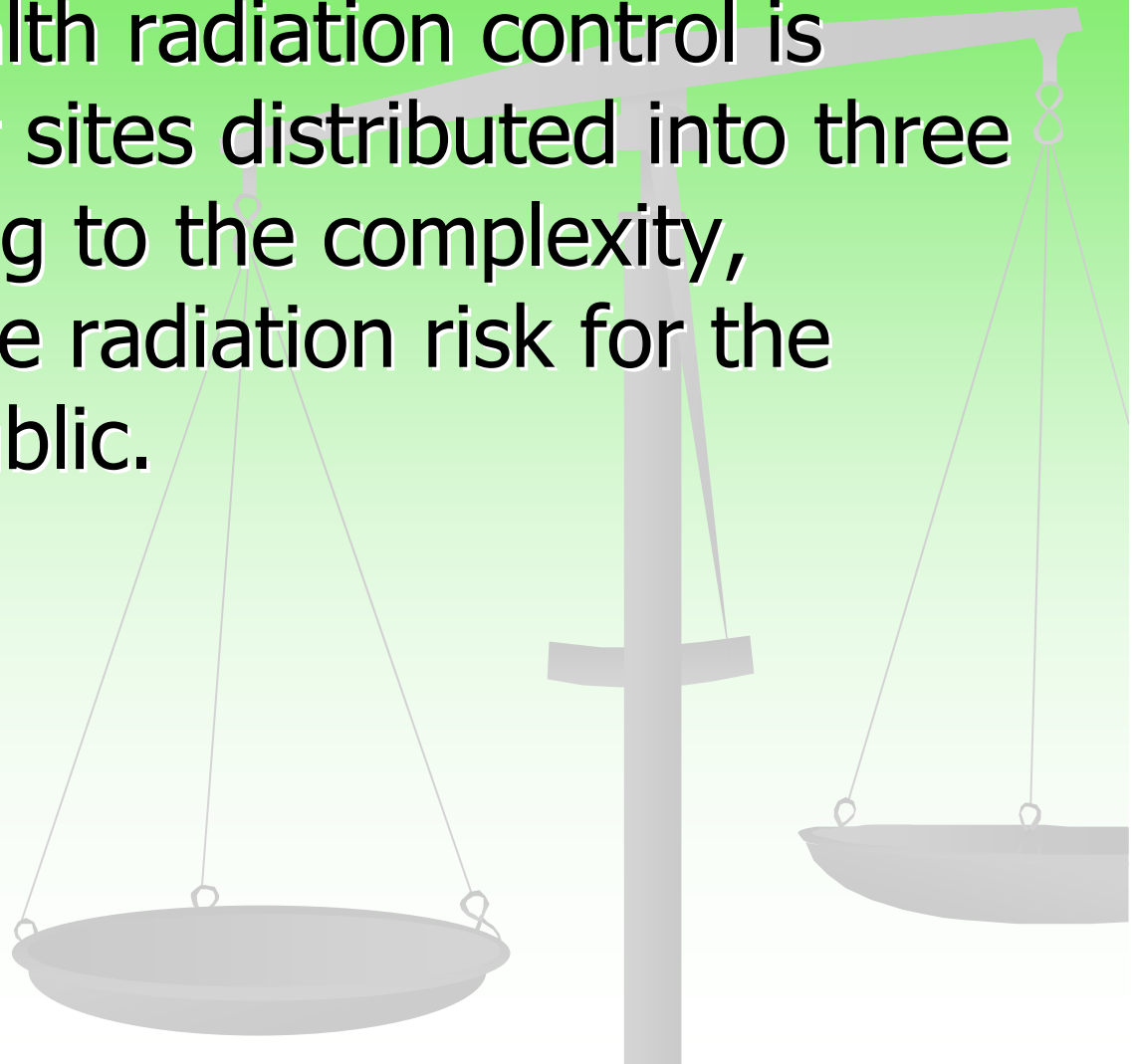
Preliminary control includes:

- Compliance with investment projects schemes of sites and plans;
- Control during the execution of the projects;
- Finalizing and endorsement of the units (for diagnostic and therapy) to get started.



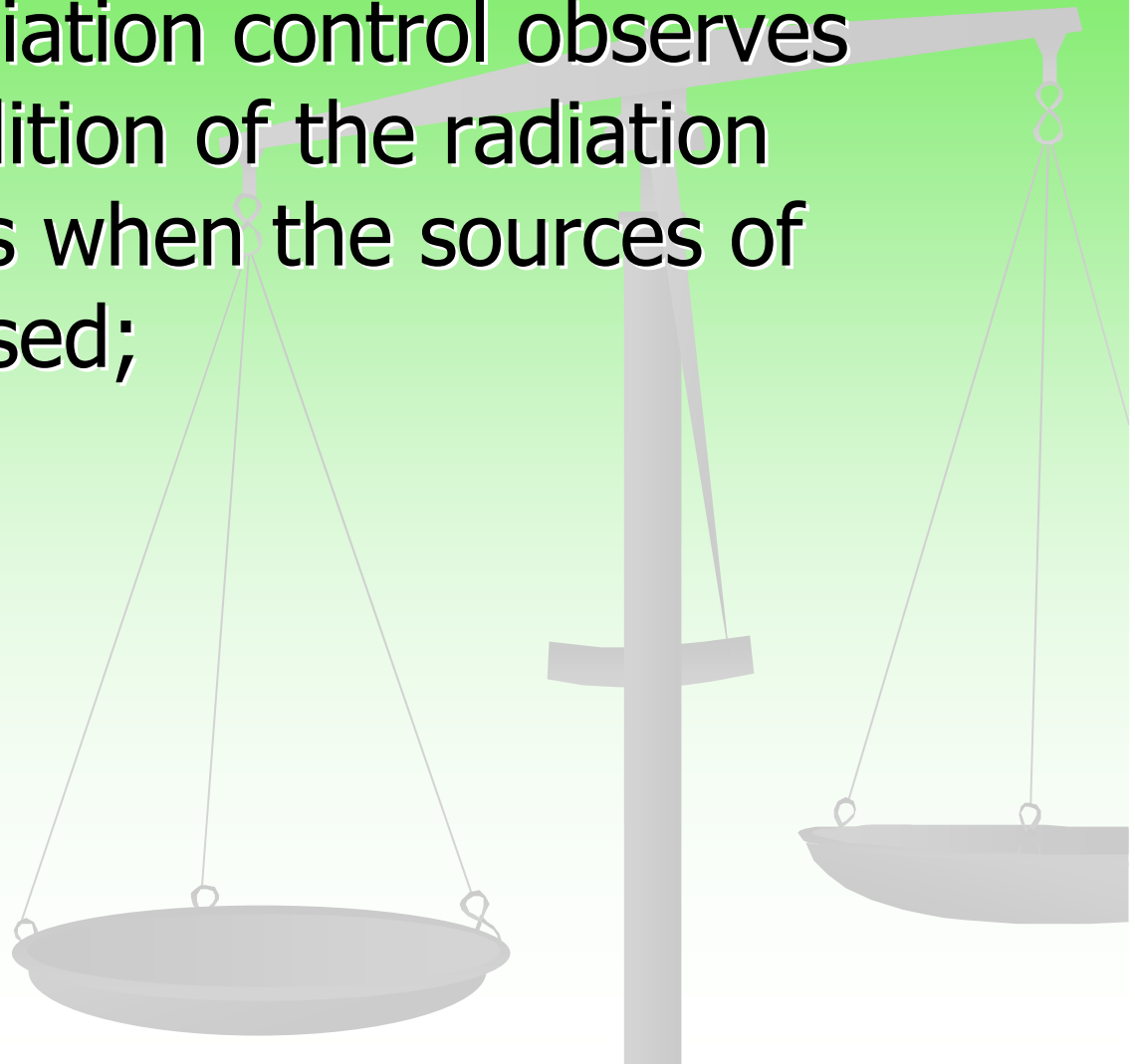
Radiation Benefit or Risk

- The current health radiation control is carried out over sites distributed into three groups according to the complexity, depended on the radiation risk for the staff and the public.



Radiation Benefit or Risk

- The general radiation control observes closely the condition of the radiation shielding barriers when the sources of ionization are used;
- Industry;
- Science;
- Medicine;
- Agriculture.



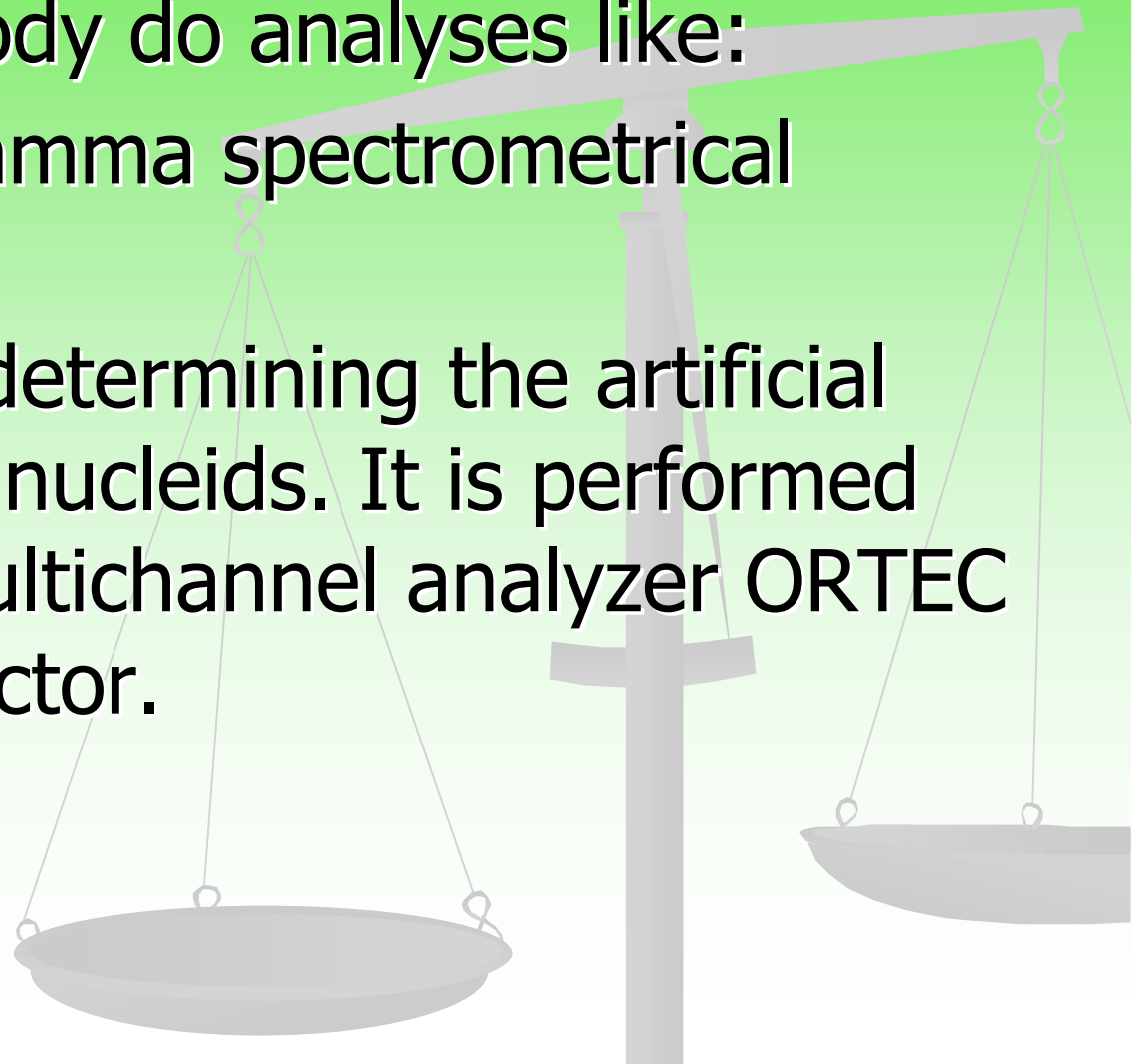
Radiation Benefit or Risk



Radiation Benefit or Risk

The Inspection body do analyses like:

- Indestructible gamma spectrometrical analysis;
- It is applied for determining the artificial and natural radio nucleids. It is performed by a computer multichannel analyzer ORTEC with a HPGe-detector.



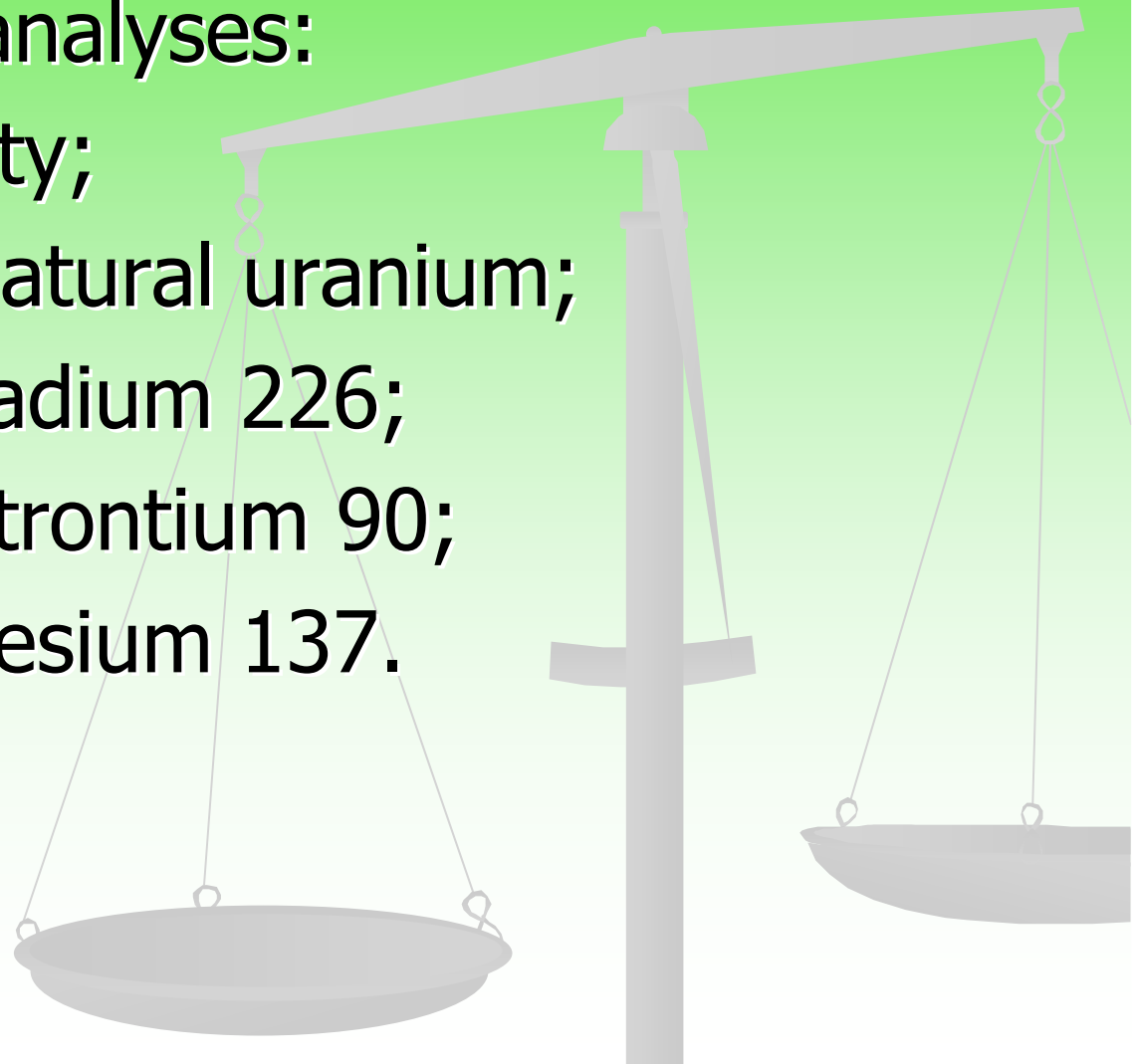


Equipment for beta analysis

Radiation Benefit or Risk

Radio –chemical analyses:

- Gross beta activity;
- The content of natural uranium;
- The content of radium 226;
- The content of strontium 90;
- The content of cesium 137.



Radiation – Benefit or Risk

that depends on
all of us
at the Departments
Radiation Control



An aerial photograph of a city, likely Istanbul, featuring a large multi-lane bridge spanning a wide river. The city skyline is visible in the background under a clear blue sky. The text "THANKYOU FOR YOUR ATTENTION" is overlaid in large white capital letters across the center of the image.

THANKYOU FOR YOUR ATTENTION