THE REPUBLIC OF MOLDOVA

1st NATIONAL REPORT
UNDER THE JOINT CONVENTION ON
THE SAFETY OF SPENT FUEL MANAGEMENT
AND ON THE SAFETY OF RADIOACTIVE
WASTE MANAGEMENT

The National Agency for Regulation
of Nuclear and Radiological Activities

Chisinau, February 2012

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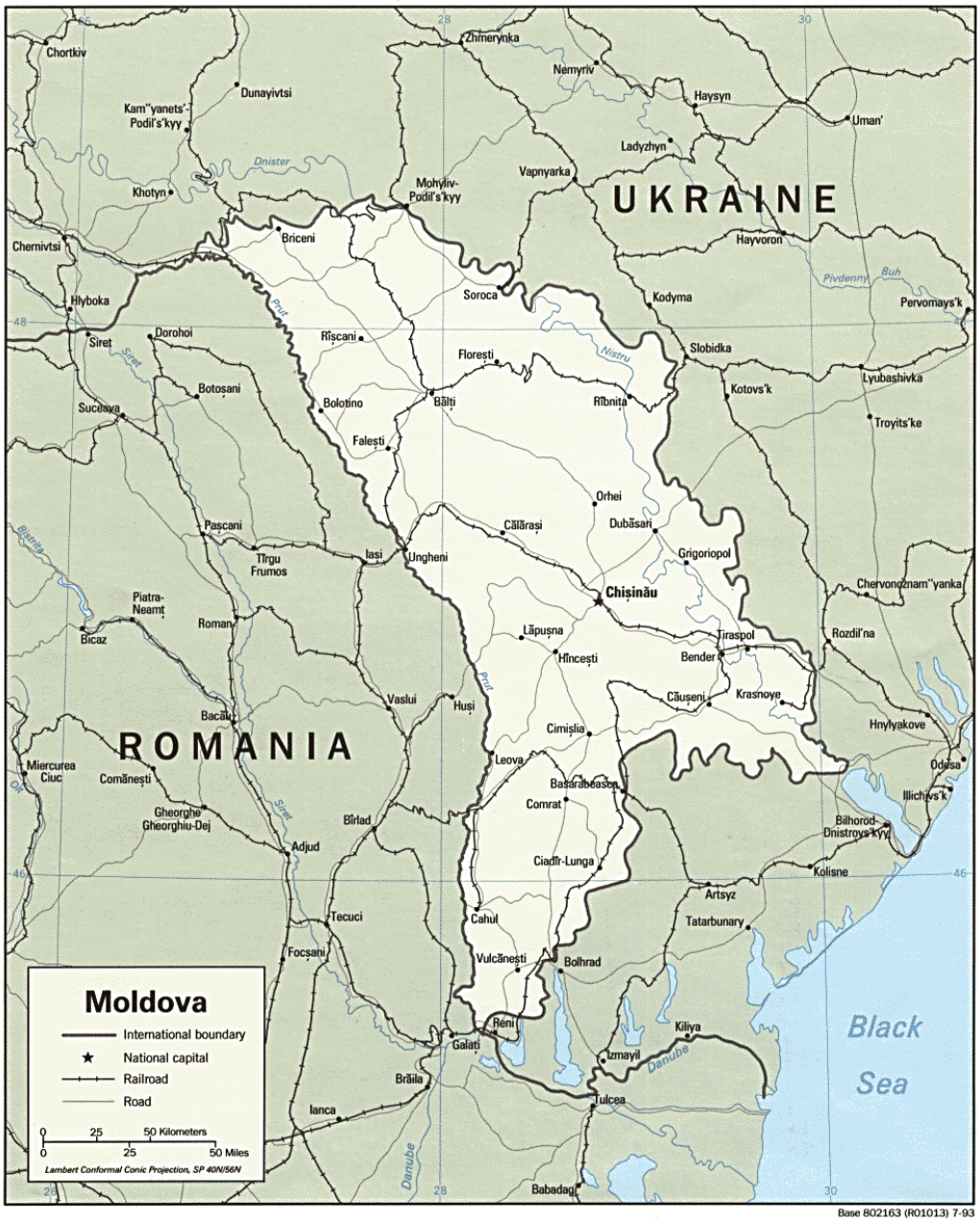
SECTION A: INTRODUCTION:

After the political change in the Soviet Union, the independence of the republic from the URSS was proclaimed on August 27, 1991. The Moldavian legislature declared the USSR's annexation of Basarabia in 1940 as illegal. On May 23, 1991, the Moldavian SSR changed its name to the Republic of Moldova. In January 1992 the Republic of Moldova became a member state of the CSCE (OSCE after 1995) and was admitted to the United Nations in March of that year. A democratically elected Parliament was established for the first time in spring 1994, which ratified the new Constitution in August 1994.

The Republic of Moldova lies to the East of the Carpathian Mountains, occupying an area of 33.700 km^2. It is surrounded (see fig. 1) by Ukraine on the North, East and South and is bordered by Romania to the West, the Prut River forming the boundary between these two states. Extreme points of the country are: in the North - Naslavcea village (48°29′NL, 27°35′ EL) Ocniţa county, in the South - Giurgiulesti village (45°28′NL, 28°12′EL), Cahul county, in the East – Palanca village (46°24′NL, 30°08′EL), Stefan Voda county and in the West - Criva village, Briceni county, (48°16′NL, 26°37′EL). Moldova is a landlocked country in Eastern Europe and borders Romania and Ukraine. Agreements with Ukraine allow to the Republic of Moldova to enjoy access to the Black Sea via a small (a few hundred meters) portion of the Danube in Giurgiuleşti.

The terrain consists of rolling steppe with a gradual slope towards the Black Sea. The Republic of Moldova has cold to moderate winters and generally warm summers. It has natural resources of lignite, phosphorites and gypsum.

Rich black soils make it very suitable for agriculture The central uplands, the Codri Hills, lie at an elevation till 429.5 meters, the Northern landscape is characterized by the level plain of the Bălţi steppe and the strikingly eroded Medobory-Tolry limestone ridges which border the Prut River. In the South there is the extensive Bugeac Plain.



The Republic of Moldova has a network of about 3000 rivers and streams but only 246 of these exceed 9 kilometers. The main part of the Nistru River is navigable throughout the republic.

As a part of seismic Carpathian region the Republic of Moldova is affected often by earthquake, which may rich magnitude till 8 degree on the MSK-64 scale. Near epicenters are localized in the Vrancea region (Romania) and in the Black Sea region.

The Republic of Moldova has a population of about 3.56 millions (December, 2011) inhabitants (recent statistical date from the left side of the Nistru River and municipality Tighina are not disponibles). the rest of the territory, lied in Transnistria region is de facto controlled by separatist Transnistrian authorities, thus, no statistical date are known.

Implementing the Law on Adherence of the Republic of Moldova to the Joint Convention on the Safety of Spent Fuel Management and on the Safety of Radioactive Waste Management №111-XVIII from 18.12.2009, Republic of Moldova has deposited the instrument of accession to the Joint Convention on 23rd of February 2010.

There were no declarations or reservations attached to the instrument of accession. The Convention entered into force for in Moldova on 24th of May 2010.

The Republic of Moldova is not a nuclear country, but it uses achievements of nuclear science and technology in a number of manufacturing branches, medical and research sectors. The treatment of radioactive wastes created in the result of these activities could become an important problem for the country in

the future. Since there is no nuclear industry, research reactors, or facilities generating radioactive materials in the country, many of the requirements of the Joint Convention do not apply to the Republic of Moldova. There is no nuclear fuel in the country.

Radioactive wastes in the country originate mainly from the use of radioactive sources in medical applications, research, education and industry. There is a central facility for long-term storage of radioactive waste that serves the whole country.

Since the Republic of Moldova is a relatively young member of IAEA and the established single regulatory authority is functioning only since 2007, there are currently 8 Laws and 6 regulations adopted to ensure the radiation safety in Moldova and new regulations are under the process of development.

Radiation protection in Moldova is based mainly on the Law on Safe Deployment of Nuclear and Radiological Activities adopted in 2006 and Fundamental Radiation Protection Norms – Requirements and Hygienic Rules – (FRPN-2000), in force from 2000.

The present report is the first Republic of Moldova's national report and it is prepared in compliance with requirements contained in the IAEA Information Circular INFICIRC/604/Rev.1 of 26 July 2002.

SECTION B: POLICIES AND PRACTICES

Moldova has no nuclear reactors and no nuclear fuel processing facilities. Unfortunately, there is no National Strategy and Action Plan on Management of Radioactive Waste.

Radioactive waste management policy

There is no national policy on safe management of radioactive waste in the Republic of Moldova approved yet, but the Law № 111-XVI adopted on May 11, 2006 on Safe Deployment of Nuclear and Radiological Activities, states in the Art. 9 section (2) that the "National policy on safe management of radioactive wastes is drafted in accordance with the international principles and comprises the national aspects". Therefore, in new draft of the Law № 111-XVI have been included the main provisions and principles of National policy in this area.

The National Agency, has elaborated the Regulation on Management of Radioactive Waste (based on Safety Fundamentals - SS-111F - The Principles of Radioactive Waste Management). This Regulation was approved by Decree of the Government of the Republic of Moldova no. 388 on 26th of June 2009. The Regulation classifies Radioactive Wastes by their aggregate state (liquid and solid), specific activity, as well as by level of contamination.

For cases of unknown radionuclide composition, Art.14 of the Regulation classifies the radioactive wastes by their specific activity when they exceed:

a) 100 kBq/kg -for β radionuclides;
b) 10 kBq/kg -for α radionuclides;

c) 1 kBq/kg -for transuranium elements

Art.16 of the Regulation: Categorization of the RW (solid and liquid):

Category of RW	**Specific activity, kBq/kg**		
	β-radionuclide	**α-radionuclide, exepting transuranium elements**	**Transuranium elements**
I (Low activity)	$< 1E^3$	$< 1E^2$	$< 1E^1$
II (Medium activity)	$\geq 1E^3$ ..... $\leq 1E^7$	$\geq 1E^2$ ..... $\leq 1E^6$	$\geq 1E^1$ ..... $\leq 1E^5$
III (High activity)	$> 1E^7$	$>1E^6$	$>1E^5$

Art.17 of the Regulation recommends following criteria for preliminary classification of radioactive wastes by γ dose equivalent at distance of 0,1m from the surface:

a) Low activity wastes - 0,001 mSv/h –0,03 mSv/h
b) Intermediate activity wastes - 0,03 mSv/h –10,00 mSv/h
c) High activity wastes < 10,00 mSv/h

Basic principles of radiation protection at different stages of RW management, requirements for RW management at generating facilities, their collection and transportation, conditioning and storage of RW are reflected in separate specific chapters of Regulation. Regulation includes also measures on prevention and

response to radiological incidents as well as administrative radiological monitoring and assessment.

It is very important to underline that, the Art. 1 of the Law №111-XVIII from 18.12.2009 on Adherence of the Republic of Moldova to the Joint Convention on the Safety of Spent Fuel Management and on the Safety of Radioactive Waste Management stipulates that provisions of the Joined Convention are applied only on the controlled by Moldovan official authorities territory, until the full reintegration of the country.

Radioactive waste management practices:

The most common radioactive wastes management practices in the Republic of Moldova are intermediate, long term storage and transport of radioactive waste.

Reconditioning of radioactive wastes by cementation into 200 l drams is planned to be implemented in the near future.

Radioactive wastes acceptance criteria are included into the Fundamental Radiation Protection Norms – Requirements and Hygienic Rules, as well as in the Regulation on Safe Management of Radioactive Waste (Chapter VI), being consistent with IAEA requirements in the field.

SECTION C: SCOPE OF APPLICATION

The report does not apply to the safety of spent fuel management since the Republic of Moldova has no nuclear facilities on its territory.

The report does not apply on the territory of Transnistrian region, which is not controlled at the moment by the central state authorities of the Republic of Moldova.

The report does not apply also to the wastes coming from military or defense programs, more over that the Republic of Moldova has no such ongoing programs.

The report applies to safety of radioactive waste management only when the radioactive wastes results from civilian application, and to disused sealed sources. It does not apply to waste that contains only natural occurring radioactive materials, unless it constitutes a disused sealed source.

SECTION D: INVENTORIES AND LISTS

The Republic of Moldova is a non-nuclear country and has therefore no spent fuel subject to this convention.

Disused radioactive sources are stored under the control of NARNRA on the user's premises until transported to the RWDF situated in the municipal Chisinau.

Within a technical assistance project supported by USA Nuclear Regulatory Commission (NRC), an inventory of all available ionizing radiation sources (sealed, unsealed, and associated equipment) has been made during 2007-2008 years and all necessary data were introduced into the national register of ionizing radiation sources. This database is called RASOD. The uniqueness of RASOD is that the program automatically determines the current activity and places the radioactive sources to certain category (categorization is made in accordance with IAEA-Safety Guide-No RS-G-1.9, – Recommended categories for sources used in common practices). RASOD is an information system which allows inputting, store and processing the data of ionizing radiation sources. RASOD 1.3.1 version used by NARNRA has the following functions:

- Input, delete and editing of information regarding sources of ionizing radiation (i.e. radionuclide, initial activity at its production, manufacturer and regulatory evidence numbers);
- Input, delete and editing of information regarding enterprises, organization and institutions which are using sources of ionizing radiation;

- Input and editing of additional information, which is contained in additional tables (i.e. photo of containment and label with regulatory evidence number);
- Formation of requests and production of reports (i.e. number and types of sources at one facility, list of sources by their category, source activity at certain date, time remaining until the authorization or until the next inspection);
- Administration.

The main functions of the RASOD data base are used for generation of the Annex 3.

The items of information system are:

- Sealed sources (S)
- Unsealed sources (U)
- Generators of ionizing radiation (G)
- Associated devices (A)

SECTION E: LEGAL AND REGULATORY SYSTEM

The part of adopted legal acts (Annex 2) in the Republic of Moldova are applied to the radioactive wastes management:

Laws/Decrees of the Parliament:

- The Law on Safe Deployment of Nuclear and Radiological Activities №111-XVI from May 11, 2006;
- The Law on Environmental Protection № 1515 from 16.06.1993;
- The Law on Adherence of the Republic of Moldova to the Joint Convention on the Safety of Spent Fuel Management and on the Safety of Radioactive Waste Management №111-XVIII from 18.12.2009;
- The Law on ratification of the Agreement on application of guarantees in connection with the "Agreement on the non-proliferation of nuclear and radiation materials", between the Republic Moldova and the IAEA № 41 from 02.03.2006.
- The Law on Control of export, re-export, import and transit of strategic goods № 1163-XIV from 26.06.2000.
- The Law on ratification of International Convention on Suppression of Nuclear Terrorism № 20 from 21.02.2008.
- The Law on ratification of amendments to the Convention of Physical Protection of Nuclear Material № 85-XVI from 21.02.2008.
- The Law on State Supervision of Public Health № 10–XVI from 03.02.2009.
- The Decree of the Parliament on adherence of the Republic of Moldova to the Treaty on Non-Proliferation of Nuclear Weapons № 1623 from 26.10.1993.

Decrees of the Government:

- Regulation on Radioactive Wastes Management № 388 from 26.06.2009;
- Regulation on Authorization of Nuclear and Radiological Activities № 212 from 13.03.2009;
- Regulation on State Control and Supervision of Nuclear and Radiological Activities № 1220 from 30.11.2008;
- Regulation on the National Registry of Radiation Sources № 1017 from 01.09.2008;
- Regulation on national system on Control of export, re-export, import and transit of strategic goods in the Republic of Moldova № 606 from 15.05.2002;

Other norms:

- Fundamental Radiation Protection Norms – Requirements and Hygienic Rules – (FRPN-2000) were adopted by the Ministry of Health.
- Plan of measures for modernization and upgrading of efficiency of physical protection of vital importance and these with high risks of eventual terrorist attacks for 2008-2010 № 833 from 11.07.2008.

The Regulation on Authorization of Nuclear and Radiological Activities approved by Decree of the Government № 212 from 13.03.2009 describes the authorization procedures which mean obtaining of "Registration Certificate" issued by NARNRA. The Art.24 of the regulation stipulates that the applicant for a Registration Certificate must have 2 folders containing following documents:

a) Copy of registration certificate issued by State Registration Chamber;
b) Technical documentation for rooms and radiological installations;

c) Copies of authorizations issued by other state agencies (i.e. a hygienic certificate issued by Ministry of Health);
d) A safety certificate for each radiological installation (issued by NARNRA);
e) Permission of exercise;
f) Other information considered necessary by NARNRA.

NARNRA examines the folder and in 15 days required additional information from the applicant if necessary. The applicant must provide additionally required information in other 15 days. When the folder is accepted a pre-authorization inspection is carried out by NARNRA which develops a prescription when some non-compliance of safety or security rules has detected. Authorization applicant reports to the NARNRA on liquidation of unconformities in prescribed terms and NARNRA issues Registration Certificate and Safety Certificate for each radiological installations or storages. The NARNRA's director periodically sends its inspectors to inspect safety and security of facility by issuing an "Inspection Mission".

Responsibilities on safety of radioactive waste management lie entirely on operators.

REGULATORY AUTHORITY

Pursuant to the framework Law on Safe Deployment of Nuclear and Radiological Activities from May 2006, a National Agency for Regulation of Nuclear and Radiological Activities (NARNRA) was established in 2007 by Decree of the Government of Moldova from 23.03.2007 № 328. NARNRA was created as a single Regulatory Authority in the field of Radiation Protection and

Safety under the Ministry of Environment, as a separate legal entity with independent structure and budget.

Authorization process of nuclear and radiological activities is performed in accordance to a dedicated regulation adopted by the Government of Moldova on 13 March 2009 (№ 212).

The Government of Moldova has adopted also a Regulation on Control and State Supervision of Nuclear and Radiological Activities- Decree № 1220 from 30.10.2008.

The law on Safe Deployment of Nuclear and Radiological Activities Stipulates (Art.11) that Regulatory Authority has the following main functions in the field of nuclear and radiological activities:

- Elaboration of draft laws and regulations;
- Ensuring implementation of national legal framework, international conventions;
- Ensuring regulatory acts in the field of nuclear and radiological activities, protection from ionizing radiation, quality control, non-proliferation of nuclear weapons, physical protection of radioactive sources, response to, and investigation of nuclear/radiological accidents;
- Establishing procedures for permission, supervision and control;
- Maintaining the national Register of ionizing radiation sources;
- Enforcement etc.

SECTION F: OTHER GENERAL SAFETY PROVISIONS

ARTICLE 21. Responsibilities of the Authorization Holder

The prime responsibility for the safe management of radioactive sources including radioactive wastes management rests with the owner of the authorization. This includes the responsibility to ensure that the disused sealed sources are handled in a safe manner and disposed of in legal way accepted by the regulatory authority.

The law on Safe Deployment of Nuclear and Radiological Activities stipulates (Art.32(2)) that authorized person, who produces or has produced radioactive wastes must:

- Take responsibility for safe radioactive wastes management;
- Create dedicated financial founds enough to cover costs for collection, manipulation, transport, conditioning, storage and other radioactive management components;
- Elaborate its own plan on preparation of decommissioning and coordinate it with Regulatory Authority;
- Foresee returning of disused radioactive sources and wastes to the supplier or producer.

Art.36 of mentioned Law stipulates that:

- Violation of legal framework in the field of nuclear and radiological activities is punishable by law;
- Unauthorized activities involving nuclear and radioactive materials including radioactive wastes conduct to seizure of these materials in accordance to existing legislation. Maintenance of seizure goods are kept

safely under control of Regulatory Authority until the legal recovery measures are implemented.

The full responsibility for damages caused by nuclear/radiological accidents during authorized activities as death or injuries of one or more people, damage of goods lies entirely on authorization according to national legislation and international conventions to what Republic of Moldova has adhered (see Art. 38 (1) of the Law).

The operator has issued its departmental Regulation on safe management of radioactive wastes entirely compatible with Regulation on Radioactive Wastes Management approved by the Decree of the Government № 388 from 26.06.2009.

ARTICLE 22. Human and Financial Resources

The National Radioactive Wastes Repository staff includes 28 persons. The income of the NRWR is made up from the state's budget through the Service of Civil Protection and Emergency Situations of the Ministry of Internal Affairs and from the services provided.

Four technical staff members of the NRWR hold high university degree in economy, medicine, finance and military engineering. Three of them have passed some IAEA regional training courses on radioactive waste management and safe transport of wastes. Never less more training is needed.

The NARNRA as Regulatory Authority has 12 staff members, being financed separately and exclusively from the state budget. All staff members have university diplomas, one Dr. and one PhD.

ARTICLE 23. Quality Assurance

Currently the NRNRA is not pursuing the accreditation according to international standards due to lack of budget and lack of developed infrastructure. Moldova intends to develop the program and to implement the QA/QC systems for application of analytical techniques in national wide environmental radiation monitoring in accordance with internationally accepted quality standards (ISO/IEC 17025, ISO 9001-2008).

ARTICLE 24. Operational Radiation Protection

Operational radiation protection (ORP) is implemented according to the provisions of legal and normative framework described in Section E of the present report. More specifically ORP requirements are described in the Regulation on Radioactive Wastes Management (Decree of the Government of Moldova № 388 from June26, 2009, Art.20.).

Provisions of Regulation on Radioactive Wastes Management are to be implemented by all operators at the basic stages of radioactive wastes management as follows:

- Collection and sorting
- Primary sorting
- Conditioning
- Temporary storage

- Transportation
- Intermediate and long term storage

The radiation safety assessment shall be carried out on the basis of:

- The characteristics of radioactive contamination of the environment;
- An analysis of the implementation of radiation safety measures and compliance with standards, regulations and hygiene standards in the radiation safety field;
- The probability of radiation accidents and their scale
- The level of needed emergency preparedness and response to a radiation accident;
- An analysis of the exposure doses received by individual groups of the public from all sources of ionizing radiation;
- The numbers of persons exposed above the established exposure dose limits.
- The results of the radiation safety assessment are analyzed by the regulatory authority.

ARTICLE 25. Emergency preparedness

Regulation on Radioactive Wastes Management (Chapter XVII) refers to requirements for emergency preparedness and response to radiological accidents involving radioactive wastes. Explosions, fires, transport accidents and theft of radioactive wastes have to be among planned scenarios.

Authorized operator must approve and coordinate to with regulatory authority an emergency response plan to radiological accidents which includes:

- Urgent notification of NARNRA and Civil protection and Emergency Situations Service

- Creation and training of emergency response teams
- Ensuring radiological monitoring capabilities and individual dosimetry of the staff and emergency workers
- Logistic support for response actions
- Liquidation of the accident
- Deactivation
- Collection and treatment of created radioactive wastes
- Medical response
- Investigation of the accident and development of the report to the NARNRA

Separate instructions in case of fire, transport accident or as a result of accidental contamination in case of release from damaged package must be in place (Regulation on Radioactive Wastes Management № 388 from 26.06.2009, Chapter XVII, Art. 105, 106, 107).

ARTICLE 26. Decommissioning

Decommissioning of old “RADON” type facility is planned to be conducting in the future, but exact methods and technology was not selected by now. Chapters XIV and XVI of the Regulation on Radioactive Wastes Management № 388 from 26.06.2009 are dedicated to decommissioning and conservation of storages and equipment of RW facilities.

SECTION G. SAFETY OF SPENT FUEL MANAGEMENT.

This section containing articles 4-10 of the Convention is not applicable to the Republic of Moldova.

SECTION H. SAFETY OF RADIOACTIVE WASTE MANAGEMENT

ARTICLE 11. General safety requirements

The Regulation on Radioactive Wastes Management № 388 from 26.06.2009 has 19 chapters and 4 attachments, and was elaborated in consistence with IAEA requirements in this field. It contains the basic principles of radiation protection and radioactive wastes management procedures (Chapter IV). Requirements for collection, storage and elimination of RW from the forming institutions, requirements for reception of RW by long term storage facility, transport requirements are described in chapters V, VI, VII.

ARTICLE 12. Existing facilities and past practices

All those who have a authorization from the regulatory authority to own the radioactive materials are obliged to take the appropriate steps to ensure that at all stages of radioactive waste management individuals, society and the environment are adequately protected against radiological and other hazards.

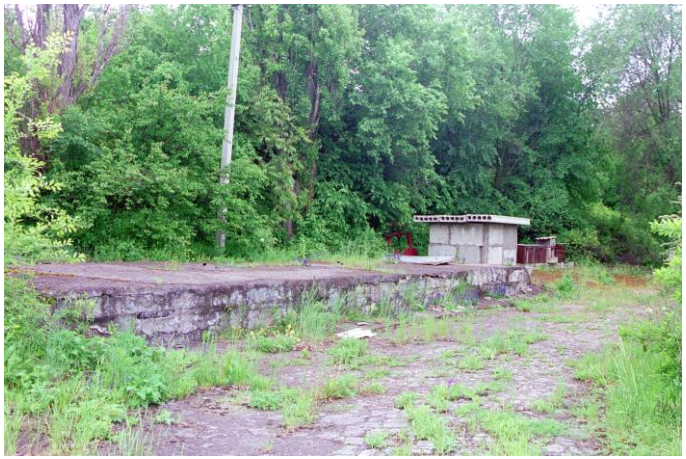
Situated in Chisinau city Radioactive Wastes Storage Facility is the only operator authorized for long term storage of radioactive wastes and disused radioactive sources. It has also the authorization for collection and transportation of radioactive wastes and other radioactive materials on specialized transport by road. RWSF was created in 1960 as “Radon” type being initially designated for storage of solid, biological and liquid low and intermediate level radioactive wastes.

It occupies 8 hectares being divided into two zones: “dirty” zone, were the radioactive wastes storages are situated and “sanitary” zone with administrative building and some support facilities.

Old “Radon” underground storage for solid wastes represents an armed concrete recipient with dimensions 5 x 4 x 16 meters which is divided into 4 compartments, 50 m^3 each. It was closed in 1990 (Picture 1).

A light surface storage from profiled metal for conditioned low and intermediate radioactive wastes was built in 2002. Its designed capacity is 560 of 200 l drums, and at the moment is not used yet (Picture 2).

Another surface storage from armed concrete was build in 2004, having all needed infrastructure and used for storage of high level radioactive wastes and disused radioactive sources, collected from all around the country and abandoned sites (Picture 3 and 4).



Picture 1. Old “Radon” underground storage

Picture 2. **L**ight surface storage

Picture 3. Surface storage from armed concrete

Picture 4. Inside of Surface storage from armed concrete

ARTICLE 13. Sitting of proposed facilities

Is not applicable for Moldova.

ARTICLE 14. Design and construction of facilities

According to Art.6 of Regulation on Radioactive Wastes Management, while designing new facilities, the following requirements must be followed:

a) Technical and organizational physical protection measures must be in place,
b) Isolation of RW from any access of humidity from the rain, surface and underground waters,
c) Internal drainage from condensate water or accidental leakage must be planned,
d) Separate storage of different RW types and categories; separate places from inflammable wastes has to be in place,
e) Systemic location of containers with radioactive wastes within facility,
f) Safe storage which could exclude mechanic, chemical or other deterioration of RW containers,
g) Ensuring the conditions for personnel radiation protection during extraction and transport of radioactive wastes ,
h) Radiological monitoring at the facility,
i) Possibility of dismantling in case of necessity for decommissioning.

ARTICLE 15. Assessment of safety of facilities

The radiation safety assessment shall be carried out on the basis of:

- The characteristics of radioactive contamination of the environment;

- An analysis of the implementation of radiation safety measures and compliance with standards, regulations and hygiene standards;
- The probability of radiation accidents and their scale
- The level of needed emergency preparedness and response to a radiation accident;
- An analysis of the exposure doses received by individual groups of the public from all sources of ionizing radiation;
- The numbers of persons exposed above the established exposure dose limits.
- The results of the radiation safety assessment are analyzed by the regulatory authority.

ARTICLE 16. Operation of facilities

The old “Radon” facility of the RWSF has not been used from 1990 and its decommissioning is planned to be made in 3-4 years from now. A safety assessment of “Radon” facility has to be performed before that. The light terrestrial facility will be used for storing decommissioned and reconditioned wastes. At the moment all disused radioactive sources and received wastes are kept in terrestrial storage for high activity spent sources.

ARTICLE 17. Institutional measures after closure

Chapter XVI of the Regulation on Radioactive Wastes Management № 388 from 26.06.2009 stipulates that a decommissioning project has to be presented to the NARNRA at list 5 years before the decommissioning works start. Any radiological risks as well as unauthorized access to the wastes must be excluded.

The conserved facilities are included in the national register of dangerous sites.

SECTION I. TRANSBOUNDARY MOVEMENT

The shipment of radioactive sources to and from Moldova is subject to the international requirements concerning transport of dangerous goods. The main means of transport is by road, train and air-cargo.

According to Art. 9 (c) of the Law on safe deployment of nuclear and radiological activities, import of any radioactive wastes into the Republic of Moldova is prohibited.

Moldova is not also the State of origin of any radioactive sources. Carriers operating between Moldova and other countries are subject to the international regulations on the shipment of dangerous goods.

SECTION J. DISUSED SEALED SOURCES

Article 28

Ensuring the security of radioactive and nuclear materials in all stages of their life cycle is compulsory for users. The authorized institution is obliged to ensure that possessing, remanufacturing or disposing disused sealed sources takes place in a safe manner.

Manufacturing radioactive sources in not carried out in Moldova.
One of the conditions of authorization applying for the import of radioactive source is to stipulate into the procurement contract that manufacturer or provider is going to accept reentry into its territory returned disused sealed sources.

Ensuring the security of radioactive and nuclear materials foresees the single planning system and realization of technical and organizational complex of measures directed to:

- Prevention of unauthorized access to the territory of radioactive and nuclear material location as well as their theft and damage;
- Regaining Control, recovery and return of lost or theft radioactive and nuclear materials.

Control over ensuring the security of radioactive and nuclear materials are carried out by Regulatory Authority on surveillance over safe work implementation in industry surveillance under the Government of the Republic of Moldova.

The order of ensuring the security of nuclear and radioactive materials is determined by the Government of Republic of Moldova. A draft Regulation on physical protection of nuclear and radioactive material are elaborated and sent to the government for approval.

No manufacturing or remanufacturing of sealed radioactive sources is carried out in the Republic of Moldova. That is why disused sources are stored and disposed at the Radioactive Waste Disposal Facility (RWDF) until decayed.

The site on RWDF was established in 1960, started operations in 1961. At present time, the RWDF is under the Service of Civil Protection and Emergency Situations of the Ministry of Internal Affairs of the Republic of Moldova.

SECTION K. PLANNED ACTIVITIES TO IMPROVE SAFETY

There is a general goal of the NARNRA and operators to promote continuously safety improvement and radiation protection enhancement in all activities involving ionizing radiation. With regard to radioactive wastes it has been decided that inspections are focused more on waste aspects of practices using radioactive materials raising awareness among authorization holders on their responsibilities regarding radioactive waste arising from their activities.

The safety of old RWDF type “RADON” has to be assessed in the next 2 years, but these objectives are considered problematic, because insufficient trained human resources, and financial budget. International assistance can be required for those activities. Decommissioning of old facility is planned, but applied methods and technology are not determined yet.

ANNEX 1

REPUBLIC OF MOLDOVA VS IAEA

MULTILATERAL AND SAFEGUARD AGREEMENTS

International legal instruments	Signature / Instrument	Deposit/ In force
G E N E R A L		
IAEA Statute	Accession	24.09.1997
Revised Supplementary Agreement Concerning the Provision of Technical Assistance by the IAEA (RSA)*)*	Signed	24.09.1998
Agreement on the Privileges and Immunities of the IAEA;	Acceptance 28 Febr. 2008	22.12.2008
S A F E G U A R D S A N D N O N–P R O L I F E R A T I O N		
Treaty on the Non-Proliferation of Nuclear Weapons		11.10.1994 (a)
Safeguards Agreements between the Agency and the Republic of Moldova in connection with the NPT	Ratified, March 2006	17.05.2006
SQP to the Safeguard Agreement between the Republic of Moldova and the IAEA	Ratified on June 2011	01.09.2011
Model Protocol Additional to the Safeguard Agreement between the Republic of Moldova and the IAEA (be ratified)	Signed on 14 Dec. 2011	13.09.2006
N U C L E A R S A F E T Y		

Convention on Early Notification of a Nuclear Accident	Accession	07.06.1998
Convention on Assistance in the Case of a Nuclear Accident or Radiological Emergency	Accession	07.06.1998
Convention on Nuclear Safety	Accession	05.08.1998
Joint Convention on the Safety of Spent Fuel Management and on the Safety of Radioactive Waste Management	Accession	24.05.2010
Code of Conduct on the Safety and Security of Radioactive Sources	Applied	
IBSS for Protection Against Ionizing Radiation and for Safety of Radiation Sources (must be replaced by IAEA Safety Standards Radiation protection and Safety of Radiation Sources: IBSS. General Safety Requirements, Part 3, No. GSR, Part 3, Interim, IAEA, Vienna, 2011)	Applied Necessary to review	2000

N U C L E A R S E C U R I T Y

Convention on the Physical Protection of Nuclear Material & Amendment to the Convention on the Physical Protection of Nuclear Material;	Accession	06.06.1998
Amendment to the Convention on the Physical Protection of Nuclear Material	Ratification 24 April 2008	22.12.2008
International Convention for the Suppression of Acts of Nuclear Terrorism	16 Sept. 2005	18.04.2008
CTBTO Treaty	24 Sept. 1997	16.01.2007
UN Security Council Resolution 1540;	Sustained	Reporting

L I A B I L I T Y

Vienna Convention on Civil Liability for Nuclear Damage;	Accession 07.05.1998

ANNEX 2

MOLDOVAN LEGAL FRAMEWORK WITH IMPACT ON NUCLEAR AND RADIOLOGICAL ACTIVITY

Moldovan Laws:

- ✓ Law No. 111-XVI from 11.05.2006 "On safe deployment of nuclear and radiological activities";
- ✓ Law No. 1163-XIV from 26.07.2000 "On the export, import, re-export and transit of strategic goods".
- ✓ Labor Code (art. 385, in force from 22.05.2008);
- ✓ Contravention Code (Art. 113(5), 147, 155);
- ✓ Penal Code (Art. 134/8, 134/9, 134/10, 292, 295, 295/1, 295/2);
- ✓ Law No. 10-XVI from 03.02.2009. "On Public Health" (regulate radiation sanitary, hygiene aspects).
- ✓ Law no. 235-XVI from 20.06.2006 about general principles on regulation of entrepreneurs' activity.
- ✓ The Law on Environmental Protection № 1515 from 16.06.1993;
- ✓ The Law on Adherence of the Republic of Moldova to the Joint Convention on the Safety of Spent Fuel Management and on the Safety of Radioactive Waste Management №111-XVIII from 18.12.2009;
- ✓ The Law on ratification of the Agreement on application of guarantees in connection with the "Agreement on the non-proliferation of nuclear and radiation materials", between the Republic Moldova and the IAEA № 41 from 02.03.2006.

- ✓ The Law on ratification of International Convention on Suppression of Nuclear Terrorism № 20 from 21.02.2008.
- ✓ The Law on ratification of amendments to the Convention of Physical Protection of Nuclear Material № 85-XVI from 21.02.2008.
- ✓ The Decree of the Parliament on adherence of the Republic of Moldova to the Treaty on Non-Proliferation of Nuclear Weapons № 1623 from 26.10.1993.

Government and Departmental Decree:

- ✓ No. 328 from 23.03.2007 about Regulation on Structure and Staff Limit of the National Agency for Regulation of Nuclear and Radiological Activities;
- ✓ No. 606 from 15.05.2002 "On the National System of control of export, re-export, import and transit of strategic goods in the Republic of Moldova";
- ✓ No. 388 from 26. 06. 2009 about Regulation on Management of Radioactive Waste;
- ✓ No. 212 from 13. 03. 2009 about Regulation on Authorization of nuclear and radiological activities;
- ✓ No. 1220 from 30. 10. 2008 about Regulation on State Control and Supervision of Nuclear and Radiological Activities;
- ✓ No. 1017 from 01.09.2008 about Regulation on National Register of ionizing radiations sources and of legal or physical authorized persons;
- ✓ No. 1104 from 28.11.1997 about procedures of legal expertise and state registration of the departmental norms;
- ✓ No. 632 from 24.08.2011 about Sanitary Regulation On radiation protection and nuclear security on radiotherapy practices.
- ✓ Minister of Health Decree on Basic norms of radioprotection. Hygienic Rules and Requirements. In force from April, 05, 2001.

- ✓ Plan of measures for modernization and upgrading of efficiency of physical protection of vital importance and these with high risks of eventual terrorist attacks for 2008-2010 № 833 from 11.07.2008.

ANNEX 3

INVENTORY OF DISUSED SEALED RADIOACTIVE SOURCES STORED AT THE RWDF

IN THE MUNICIPAL CHISINAU

Total number of records in the report: 586

Reg. No	Serial No	Cate-gory	ASSO	Nuclide	Activity	Activity Unit	Activity Date	Current Activity
s-0822	949	Cat. 4	a-0452	Co-60	37.4	GBq	9/1/2000	9.01 GBq
s-0821	994	Cat. 4	a-0452	Co-60	37.4	GBq	9/1/2000	9.01 GBq
s-0800	955	Cat. 4	a-0452	Co-60	37.4	GBq	9/1/2000	9.01 GBq
s-0588	033	Cat. 2	a-0001	Co-60	2000	Ci	3/9/1972	11.39 Ci
s-0587	887	Cat. 2	a-0001	Co-60	2000	Ci	3/1/1972	11.36 Ci
s-0586	120	Cat. 2	a-0001	Co-60	2000	Ci	3/1/1972	11.36 Ci
s-0585	082	Cat. 2	a-0001	Co-60	2000	Ci	3/1/1972	11.36 Ci
s-0584	981	Cat. 2	a-0001	Co-60	2100	Ci	3/1/1972	11.92 Ci
s-0583	150	Cat. 2	a-0001	Co-60	2000	Ci	3/1/1972	11.36 Ci
s-0582	883	Cat. 2	a-0001	Co-60	2290	Ci	8/24/1970	10.65 Ci
s-0581	131	Cat. 2	a-0001	Co-60	2320	Ci	12/30/1970	11.29 Ci

s-0580	939	Cat. 2	a-0001	Co-60	1930	Ci	8/24/1970	8.97 Ci
s-0579	812	Cat. 2	a-0001	Co-60	1820	Ci	8/24/1970	8.46 Ci
s-0578	893	Cat. 2	a-0001	Co-60	1820	Ci	8/24/1970	8.46 Ci
s-0577	125	Cat. 2	a-0001	Co-60	2170	Ci	8/24/1970	10.09 Ci
s-0576	053	Cat. 2	a-0001	Co-60	2000	Ci	2/24/1972	11.33 Ci
s-0575	275	Cat. 2	a-0001	Co-60	2000	Ci	2/24/1972	11.33 Ci
s-0574	468	Cat. 2	a-0001	Co-60	2000	Ci	2/24/1972	11.33 Ci
s-0573	167	Cat. 2	a-0001	Co-60	2200	Ci	2/24/1972	12.46 Ci
s-0572	132	Cat. 2	a-0001	Co-60	2100	Ci	3/1/1972	11.92 Ci
s-0571	107	Cat. 2	a-0001	Co-60	2100	Ci	3/1/1972	11.92 Ci
s-0570	H-09	Cat. 2	a-0001	Co-60	540	Ci	5/16/1988	25.84 Ci
s-0569	K-49	Cat. 2	a-0001	Co-60	540	Ci	5/16/1988	25.84 Ci
s-0568	H-17	Cat. 2	a-0001	Co-60	540	Ci	5/16/1988	25.84 Ci
s-0567	K-99	Cat. 2	a-0001	Co-60	540	Ci	5/16/1988	25.84 Ci
s-0566	H-46	Cat. 2	a-0001	Co-60	540	Ci	5/16/1988	25.84 Ci
s-0565	H-11	Cat. 2	a-0001	Co-60	540	Ci	5/16/1988	25.84 Ci
s-0564	H-90	Cat. 3	a-0001	Co-60	2	TBq	5/16/1988	0.1 TBq
s-0563	H-92	Cat. 3	a-0001	Co-60	2	TBq	5/16/1988	0.1 TBq
s-0562	H-82	Cat. 3	a-0001	Co-60	2	TBq	5/16/1988	0.1 TBq
s-0561	H-01	Cat. 3	a-0001	Co-60	2	TBq	5/16/1988	0.1 TBq
s-0560	H-69	Cat. 3	a-0001	Co-60	2	TBq	5/16/1988	0.1 TBq

s-0559	K-47	Cat. 3	a-0001	Co-60	2	TBq	5/16/1988	0.1 TBq
s-0558	H-41	Cat. 3	a-0001	Co-60	2	TBq	5/16/1988	0.1 TBq
s-0557	H-02	Cat. 3	a-0001	Co-60	2	TBq	5/16/1988	0.1 TBq
s-0556	K-48	Cat. 3	a-0001	Co-60	2	TBq	5/16/1988	0.1 TBq
s-0555	K-32	Cat. 3	a-0001	Co-60	2	TBq	5/16/1988	0.1 TBq
s-0554	K-10	Cat. 3	a-0001	Co-60	2	TBq	5/16/1988	0.1 TBq
s-0553	K-69	Cat. 3	a-0001	Co-60	2	TBq	5/16/1988	0.1 TBq
s-0552	H-96	Cat. 3	a-0001	Co-60	2	TBq	5/16/1988	0.1 TBq
s-0551	H-08	Cat. 3	a-0001	Co-60	2	TBq	5/16/1988	0.1 TBq
s-0550	H-61	Cat. 3	a-0001	Co-60	2	TBq	5/16/1988	0.1 TBq
s-0549	H-43	Cat. 3	a-0001	Co-60	2	TBq	5/16/1988	0.1 TBq
s-0548	K-75	Cat. 3	a-0001	Co-60	2	TBq	5/16/1988	0.1 TBq
s-0547	H-81	Cat. 3	a-0001	Co-60	2	TBq	5/16/1988	0.1 TBq
s-0546	H-89	Cat. 3	a-0001	Co-60	2	TBq	5/16/1988	0.1 TBq
s-0545	H-19	Cat. 3	a-0001	Co-60	2	TBq	5/16/1988	0.1 TBq
s-0544	H-53	Cat. 3	a-0001	Co-60	2	TBq	5/16/1988	0.1 TBq
s-0543	H-42	Cat. 3	a-0001	Co-60	2	TBq	5/16/1988	0.1 TBq
s-0542	H-66	Cat. 3	a-0001	Co-60	2	TBq	5/16/1988	0.1 TBq
s-0541	H-16	Cat. 3	a-0001	Co-60	2	TBq	5/16/1988	0.1 TBq
s-0540	K-59	Cat. 2	a-0001	Co-60	540	Ci	5/16/1988	25.84 Ci
s-0539	H-37	Cat. 2	a-0001	Co-60	540	Ci	5/16/1988	25.84 Ci

s-0538	K-17	Cat. 2	a-0001	Co-60	540	Ci	5/16/1988	25.84 Ci
s-0537	H-97	Cat. 2	a-0001	Co-60	540	Ci	5/16/1988	25.84 Ci
s-0536	K-39	Cat. 2	a-0001	Co-60	540	Ci	5/16/1988	25.84 Ci
s-0535	H-65	Cat. 2	a-0001	Co-60	540	Ci	5/16/1988	25.84 Ci
s-0534	159	Cat. 2	a-0001	Co-60	2290	Ci	12/30/1970	11.15 Ci
s-0533	188	Cat. 2	a-0001	Co-60	2290	Ci	12/30/1970	11.15 Ci
s-0532	379	Cat. 2	a-0001	Co-60	2060	Ci	12/30/1970	10.03 Ci
s-0531	402	Cat. 2	a-0001	Co-60	2090	Ci	12/30/1970	10.17 Ci
s-0530	849	Cat. 2	a-0001	Co-60	2290	Ci	12/30/1970	11.15 Ci
s-0529	334	Cat. 2	a-0001	Co-60	2060	Ci	12/30/1970	10.03 Ci
s-0528	136	Cat. 2	a-0001	Co-60	2200	Ci	8/24/1970	10.23 Ci
s-0527	878	Cat. 2	a-0001	Co-60	1990	Ci	8/20/1970	9.24 Ci
s-0526	831	Cat. 2	a-0001	Co-60	2020	Ci	8/20/1970	9.38 Ci
s-0525	162	Cat. 2	a-0001	Co-60	2140	Ci	8/24/1970	9.95 Ci
s-0524	201	Cat. 2	a-0001	Co-60	2200	Ci	8/24/1970	10.23 Ci
s-0523	122	Cat. 2	a-0001	Co-60	2140	Ci	8/24/1970	9.95 Ci
s-0522	999	Cat. 2	a-0001	Co-60	1930	Ci	8/20/1970	8.96 Ci
s-0521	829	Cat. 2	a-0001	Co-60	1930	Ci	8/20/1970	8.96 Ci
s-0520	165	Cat. 2	a-0001	Co-60	2280	Ci	8/25/1970	10.6 Ci
s-0519	868	Cat. 2	a-0001	Co-60	1930	Ci	8/20/1970	8.96 Ci
s-0518	962	Cat. 2	a-0001	Co-60	1930	Ci	8/20/1970	8.96 Ci

s-0517	945	Cat. 2	a-0001	Co-60	1790	Ci	8/20/1970	8.31 Ci
s-0516	Г-99	Cat. 3	a-0001	Co-60	2	TBq	8/13/1985	0.07 TBq
s-0515	Г-51	Cat. 3	a-0001	Co-60	2	TBq	8/13/1985	0.07 TBq
s-0514	Г-97	Cat. 3	a-0001	Co-60	2	TBq	8/13/1985	0.07 TBq
s-0513	589	Cat. 3	a-0001	Co-60	2	TBq	8/13/1985	0.07 TBq
s-0512	558	Cat. 3	a-0001	Co-60	2	TBq	8/13/1985	0.07 TBq
s-0511	Г-89	Cat. 3	a-0001	Co-60	2	TBq	8/13/1985	0.07 TBq
s-0510	E-74	Cat. 3	a-0001	Co-60	2	TBq	8/13/1985	0.07 TBq
s-0509	E-16	Cat. 3	a-0001	Co-60	2	TBq	8/13/1985	0.07 TBq
s-0508	Г-41	Cat. 3	a-0001	Co-60	2	TBq	8/13/1985	0.07 TBq
s-0507	683	Cat. 3	a-0001	Co-60	2	TBq	8/13/1985	0.07 TBq
s-0506	513	Cat. 3	a-0001	Co-60	2	TBq	8/13/1985	0.07 TBq
s-0505	658	Cat. 3	a-0001	Co-60	2	TBq	8/13/1985	0.07 TBq
s-0504	526	Cat. 3	a-0001	Co-60	2	TBq	8/13/1985	0.07 TBq
s-0503	545	Cat. 3	a-0001	Co-60	2	TBq	8/13/1985	0.07 TBq
s-0502	650	Cat. 3	a-0001	Co-60	2	TBq	8/13/1985	0.07 TBq
s-0501	592	Cat. 3	a-0001	Co-60	2	TBq	8/13/1985	0.07 TBq
s-0500	523	Cat. 3	a-0001	Co-60	2	TBq	8/13/1985	0.07 TBq
s-0499	6112	Cat. 5	a-0007	Sr-90/ Y-90	7.16	MBq	12/31/1990	4.4 MBq
s-0498	6112	Cat. 5	a-0007	Sr-90/	7.16	MBq	12/31/1990	4.4 MBq

				Y-90				
s-0497	6112	Cat. 5	a-0007	Sr-90/ Y-90	7.16	MBq	12/31/1990	4.4 MBq
s-0496	6112	Cat. 5	a-0007	Sr-90/ Y-90	7.16	MBq	12/31/1990	4.4 MBq
s-0495	6112	Cat. 5	a-0007	Sr-90/ Y-90	7.16	MBq	12/31/1990	4.4 MBq
s-0494	6112	Cat. 5	a-0007	Sr-90/ Y-90	7.16	MBq	12/31/1990	4.4 MBq
s-0493	6112	Cat. 5	a-0007	Sr-90/ Y-90	7.16	MBq	12/31/1990	4.4 MBq
s-0492	6112	Cat. 5	a-0007	Sr-90/ Y-90	7.16	MBq	12/31/1990	4.4 MBq
s-0491	6112	Cat. 5	a-0007	Sr-90/ Y-90	7.16	MBq	12/31/1990	4.4 MBq
s-0490	6112	Cat. 5	a-0007	Sr-90/ Y-90	7.16	MBq	12/31/1990	4.4 MBq
s-0489	6112	Cat. 5	a-0007	Sr-90/ Y-90	7.16	MBq	12/31/1990	4.4 MBq
s-0488	6112	Cat. 5	a-0007	Sr-90/ Y-90	7.16	MBq	12/31/1990	4.4 MBq
s-0487	6112	Cat. 5	a-0007	Sr-90/	7.16	MBq	12/31/1990	4.4 MBq

				Y-90				
s-0486	6112	Cat. 5	a-0007	Sr-90/ Y-90	7.16	MBq	12/31/1990	4.4 MBq
s-0485	6112	Cat. 5	a-0007	Sr-90/ Y-90	7.16	MBq	12/31/1990	4.4 MBq
s-0484	6112	Cat. 5	a-0007	Sr-90/ Y-90	7.16	MBq	12/31/1990	4.4 MBq
s-0483	6112	Cat. 5	a-0007	Sr-90/ Y-90	7.16	MBq	12/31/1990	4.4 MBq
s-0482	6112	Cat. 5	a-0007	Sr-90/ Y-90	7.16	MBq	12/31/1990	4.4 MBq
s-0481	6112	Cat. 5	a-0007	Sr-90/ Y-90	7.16	MBq	12/31/1990	4.4 MBq
s-0480	6112	Cat. 5	a-0007	Sr-90/ Y-90	7.16	MBq	12/31/1990	4.4 MBq
s-0479	6112	Cat. 5	a-0007	Sr-90/ Y-90	7.16	MBq	12/31/1990	4.4 MBq
s-0478	6112	Cat. 5	a-0007	Sr-90/ Y-90	7.16	MBq	12/31/1990	4.4 MBq
s-0477	6112	Cat. 5	a-0007	Sr-90/ Y-90	7.16	MBq	12/31/1990	4.4 MBq
s-0476	6112	Cat. 5	a-0007	Sr-90/	7.16	MBq	12/31/1990	4.4 MBq

				Y-90				
s-0475	6112	Cat. 5	a-0007	Sr-90/ Y-90	7.16	MBq	12/31/1990	4.4 MBq
s-0474	6112	Cat. 5	a-0007	Sr-90/ Y-90	7.16	MBq	12/31/1990	4.4 MBq
s-0473	6112	Cat. 5	a-0007	Sr-90/ Y-90	7.16	MBq	12/31/1990	4.4 MBq
s-0472	1120	Cat. 5	a-0006	Co-60	1.04	GBq	2/23/1996	0.14 GBq
s-0471	1120	Cat. 5	a-0006	Co-60	1.04	GBq	2/23/1996	0.14 GBq
s-0470	1120	Cat. 5	a-0006	Co-60	1.04	GBq	2/23/1996	0.14 GBq
s-0469	1120	Cat. 5	a-0006	Co-60	1.04	GBq	2/23/1996	0.14 GBq
s-0468	1120	Cat. 5	a-0006	Co-60	1.04	GBq	2/23/1996	0.14 GBq
s-0467	1120	Cat. 5	a-0006	Co-60	1.04	GBq	2/23/1996	0.14 GBq
s-0466	1120	Cat. 5	a-0006	Co-60	1.04	GBq	2/23/1996	0.14 GBq
s-0465	15873	Cat. 4	a-0006	Cs-137	4.45	GBq	6/1/1989	2.67 GBq
s-0464	15951	Cat. 4	a-0006	Cs-137	4.27	GBq	6/1/1989	2.56 GBq
s-0463	2492	Cat. 3	a-0006	Cs-137	1.5	TBq	1/21/1988	0.87 TBq
s-0462	2984	Cat. 4	a-0006	Cs-137	3.14	GBq	1/15/1988	1.83 GBq
s-0461	3519	Cat. 5	a-0006	Cs-137	2.18	MBq	8/21/1988	1.29 MBq
s-0460	5498	Cat. 4	a-0006	Cs-137	2.38	GBq	2/3/1982	1.21 GBq

s-0459	5004	Cat. 4	a-0006	Cs-137	2.96	GBq	2/3/1982	1.5 GBq
s-0458	3460	Cat. 4	a-0006	Cs-137	2.29	GBq	1/21/1988	1.33 GBq
s-0457	22574	Cat. 4	a-0006	Cs-137	7.92	GBq	10/8/1970	3.09 GBq
s-0456	22661	Cat. 4	a-0006	Cs-137	8.77	GBq	10/8/1970	3.42 GBq
s-0455	5545	Cat. 5	a-0006	Cs-137	1.15	GBq	4/3/1969	0.43 GBq
s-0454	5544	Cat. 5	a-0006	Cs-137	1.01	GBq	4/3/1969	0.38 GBq
s-0453	22757	Cat. 4	a-0006	Cs-137	8.77	GBq	10/8/1970	3.42 GBq
s-0452	22755	Cat. 4	a-0006	Cs-137	8.44	GBq	10/8/1970	3.29 GBq
s-0451	22752	Cat. 4	a-0006	Cs-137	8.77	GBq	10/8/1970	3.42 GBq
s-0450	22654	Cat. 4	a-0006	Cs-137	8.44	GBq	10/8/1970	3.29 GBq
s-0449	22659	Cat. 5	a-0006	Cs-137	1.37	GBq	10/8/1970	0.53 GBq
s-0448	22658	Cat. 5	a-0006	Cs-137	1.37	GBq	10/8/1970	0.53 GBq
s-0447	22653	Cat. 4	a-0006	Cs-137	7.92	GBq	10/8/1970	3.09 GBq
s-0446	22652	Cat. 4	a-0006	Cs-137	7.92	GBq	10/8/1970	3.09 GBq
s-0445	5546	Cat. 5	a-0006	Cs-137	1.11	GBq	4/3/1969	0.42 GBq

s-0444	5543	Cat. 5	a-0006	Cs-137	1.09	GBq	4/3/1969	0.41 GBq
s-0443	5542	Cat. 5	a-0006	Cs-137	1.11	GBq	4/3/1969	0.42 GBq
s-0442	5549	Cat. 5	a-0006	Cs-137	1.11	GBq	4/3/1969	0.42 GBq
s-0441	22870	Cat. 4	a-0006	Cs-137	5.62	GBq	10/8/1970	2.19 GBq
s-0440	22869	Cat. 4	a-0006	Cs-137	6.11	GBq	10/8/1970	2.39 GBq
s-0439	22867	Cat. 4	a-0006	Cs-137	6.55	GBq	10/8/1970	2.56 GBq
s-0438	22863	Cat. 4	a-0006	Cs-137	4.55	GBq	10/8/1970	1.78 GBq
s-0437	2611	Cat. 4	a-0006	Cs-137	5.07	GBq	2/13/1969	1.91 GBq
s-0436	2610	Cat. 4	a-0006	Cs-137	5.74	GBq	2/13/1969	2.16 GBq
s-0435	22756	Cat. 4	a-0006	Cs-137	8.66	GBq	10/8/1970	3.38 GBq
s-0434	22657	Cat. 4	a-0006	Cs-137	8.07	GBq	10/8/1970	3.15 GBq
s-0433	23468	Cat. 5	a-0006	Cs-137	2.18	GBq	10/8/1970	0.85 GBq
s-0432	23464	Cat. 5	a-0006	Cs-137	2.11	GBq	10/8/1970	0.82 GBq
s-0431	23462	Cat. 5	a-0006	Cs-137	2.18	GBq	10/8/1970	0.85 GBq
s-0430	23461	Cat. 5	a-0006	Cs-137	2.29	GBq	10/8/1970	0.89 GBq

s-0429	23457	Cat. 5	a-0006	Cs-137	2.18	GBq	10/8/1970	0.85 GBq
s-0428	23463	Cat. 5	a-0006	Cs-137	2.29	GBq	10/8/1970	0.89 GBq
s-0427	22871	Cat. 4	a-0006	Cs-137	4.63	GBq	10/8/1970	1.81 GBq
s-0426	22865	Cat. 4	a-0006	Cs-137	6.62	GBq	10/8/1970	2.58 GBq
s-0425	22864	Cat. 4	a-0006	Cs-137	5.81	GBq	10/8/1970	2.27 GBq
s-0424	22862	Cat. 4	a-0006	Cs-137	6.22	GBq	10/8/1970	2.43 GBq
s-0423	2609	Cat. 4	a-0006	Cs-137	4.58	GBq	2/13/1969	1.72 GBq
s-0422	2608	Cat. 4	a-0006	Cs-137	5.66	GBq	2/13/1969	2.13 GBq
s-0421	1382	Cat. 5	a-0006	Co-60	1.05	GBq	12/27/1995	0.14 GBq
s-0420	1382	Cat. 5	a-0006	Co-60	1.05	GBq	12/27/1995	0.14 GBq
s-0419	1382	Cat. 5	a-0006	Co-60	1.05	GBq	12/27/1995	0.14 GBq
s-0418	1382	Cat. 5	a-0006	Co-60	1.05	GBq	12/27/1995	0.14 GBq
s-0417	1382	Cat. 5	a-0006	Co-60	1.05	GBq	12/27/1995	0.14 GBq
s-0416	1382	Cat. 5	a-0006	Co-60	1.05	GBq	12/27/1995	0.14 GBq
s-0415	1382	Cat. 5	a-0006	Co-60	1.05	GBq	12/27/1995	0.14 GBq
s-0414	1382	Cat. 5	a-0006	Co-60	1.05	GBq	12/27/1995	0.14 GBq
s-0413	1382	Cat. 5	a-0006	Co-60	1.05	GBq	12/27/1995	0.14 GBq
s-0412	1382	Cat. 5	a-0006	Co-60	1.05	GBq	12/27/1995	0.14 GBq

s-0411	1382	Cat. 5	a-0006	Co-60	1.05	GBq	12/27/1995	0.14 GBq
s-0410	1382	Cat. 5	a-0006	Co-60	1.05	GBq	12/27/1995	0.14 GBq
s-0409	1382	Cat. 5	a-0006	Co-60	1.05	GBq	12/27/1995	0.14 GBq
s-0408	1382	Cat. 5	a-0006	Co-60	1.05	GBq	12/27/1995	0.14 GBq
s-0407	1382	Cat. 5	a-0006	Co-60	1.05	GBq	12/27/1995	0.14 GBq
s-0406	1382	Cat. 5	a-0006	Co-60	1.05	GBq	12/27/1995	0.14 GBq
s-0405	1379	Cat. 5	a-0006	Co-60	1.15	GBq	12/26/1995	0.15 GBq
s-0404	1379	Cat. 5	a-0006	Co-60	1.15	GBq	12/26/1995	0.15 GBq
s-0403	1379	Cat. 5	a-0006	Co-60	1.15	GBq	12/26/1995	0.15 GBq
s-0402	1379	Cat. 5	a-0006	Co-60	1.15	GBq	12/26/1995	0.15 GBq
s-0401	1379	Cat. 5	a-0006	Co-60	1.15	GBq	12/26/1995	0.15 GBq
s-0400	1379	Cat. 5	a-0006	Co-60	1.15	GBq	12/26/1995	0.15 GBq
s-0399	1379	Cat. 5	a-0006	Co-60	1.15	GBq	12/26/1995	0.15 GBq
s-0398	1379	Cat. 5	a-0006	Co-60	1.15	GBq	12/26/1995	0.15 GBq
s-0397	1379	Cat. 5	a-0006	Co-60	1.15	GBq	12/26/1995	0.15 GBq
s-0396	1059	Cat. 5	a-0005	Co-60	1.04	GBq	2/25/1990	0.06 GBq
s-0395	46535	Cat. 5	a-0005	Co-60	1.26	GBq	2/25/1990	0.08 GBq
s-0394	46535	Cat. 5	a-0005	Co-60	1.28	GBq	2/25/1990	0.08 GBq
s-0393	46535	Cat. 5	a-0005	Co-60	1.28	GBq	2/25/1990	0.08 GBq

s-0392	46535	Cat. 5	a-0005	Co-60	1.28	GBq	2/25/1990	0.08 GBq
s-0391	46535	Cat. 5	a-0005	Co-60	1.28	GBq	2/25/1990	0.08 GBq
s-0390	46535	Cat. 5	a-0005	Co-60	1.28	GBq	2/25/1990	0.08 GBq
s-0389	46535	Cat. 5	a-0005	Co-60	1.28	GBq	2/25/1990	0.08 GBq
s-0388	46535	Cat. 5	a-0005	Co-60	1.28	GBq	2/25/1990	0.08 GBq
s-0387	46535	Cat. 5	a-0005	Co-60	1.11	GBq	2/25/1990	0.07 GBq
s-0386	46535	Cat. 5	a-0005	Co-60	1.11	GBq	2/25/1990	0.07 GBq
s-0385	46535	Cat. 5	a-0005	Co-60	1.11	GBq	2/25/1990	0.07 GBq
s-0384	46535	Cat. 5	a-0005	Co-60	1.11	GBq	2/25/1990	0.07 GBq
s-0383	46535	Cat. 5	a-0005	Co-60	1.11	GBq	2/25/1990	0.07 GBq
s-0382	46535	Cat. 5	a-0005	Co-60	1.11	GBq	2/25/1990	0.07 GBq
s-0381	1121	Cat. 5	a-0004	Co-60	1.04	GBq	2/23/1996	0.14 GBq
s-0380	1121	Cat. 5	a-0004	Co-60	1.04	GBq	2/23/1996	0.14 GBq
s-0379	1121	Cat. 5	a-0004	Co-60	1.04	GBq	2/23/1996	0.14 GBq
s-0378	1121	Cat. 5	a-0004	Co-60	1.04	GBq	2/23/1996	0.14 GBq

s-0377	1121	Cat. 5	a-0004	Co-60	1.04	GBq	2/23/1996	0.14 GBq
s-0376	1121	Cat. 5	a-0004	Co-60	1.04	GBq	2/23/1996	0.14 GBq
s-0375	1121	Cat. 5	a-0004	Co-60	1.04	GBq	2/23/1996	0.14 GBq
s-0374	4105	Cat. 4	a-0004	Co-60	3.49	GBq	6/9/1993	0.33 GBq
s-0373	4104	Cat. 4	a-0004	Co-60	3.49	GBq	6/9/1993	0.33 GBq
s-0372	120	Cat. 2	a-0003	Cs-137	134	Ci	3/14/1990	81.95 Ci
s-0371	089	Cat. 2	a-0003	Cs-137	137	Ci	3/14/1969	51.58 Ci
s-0370	122	Cat. 2	a-0003	Cs-137	134	Ci	3/14/1969	50.45 Ci
s-0369	123	Cat. 2	a-0003	Cs-137	134	Ci	3/14/1969	50.45 Ci
s-0368	439	Cat. 2	a-0003	Cs-137	136	Ci	3/14/1969	51.2 Ci
s-0367	Unkn	Cat. 3	a-0002	Cs-137	50	Ci	12/31/1971	20.08 Ci
s-0366	Unkn	Cat. 3	a-0002	Cs-137	50	Ci	12/31/1971	20.08 Ci
s-0365	Unkn	Cat. 3	a-0002	Cs-137	50	Ci	12/31/1971	20.08 Ci
s-0364	Unkn	Cat. 3	a-0002	Cs-137	50	Ci	12/31/1971	20.08 Ci
s-0363	Unkn	Cat. 3	a-0002	Cs-137	50	Ci	12/31/1971	20.08 Ci
s-0362	Unkn	Cat. 3	a-0002	Cs-137	50	Ci	12/31/1971	20.08 Ci
s-0361	Unkn	Cat. 3	a-0002	Cs-137	50	Ci	12/31/1971	20.08 Ci
s-0360	014	Cat. 2		Co-60	2067	Ci	7/2/1986	77.32 Ci
s-0359	009	Cat. 2		Co-60	4919	Ci	7/1/1989	272.9 Ci
s-0358	Unkn	Cat. 3	a-0002	Cs-137	50	Ci	12/31/1971	20.08 Ci
s-0357	106	Cat. 2	a-0003	Cs-137	134	Ci	3/14/1969	50.45 Ci

s-0356	22868	Cat. 4	a-0007	Cs-137	6.55	GBq	10/8/1970	2.56 GBq
s-0355	46535	Cat. 5	a-0005	Co-60	1.11	GBq	2/25/1990	0.07 GBq
s-0354	4103	Cat. 4	a-0004	Co-60	3.4	GBq	6/9/1993	0.32 GBq
s-0353	1379	Cat. 5	a-0006	Co-60	1.15	GBq	12/26/1995	0.15 GBq
s-0344	5EC	Cat. 4		Cs-137	6.1	GBq	12/31/1988	3.63 GBq
s-0343	81П	Cat. 4		Cs-137	6.1	GBq	12/31/1990	3.8 GBq
s-0342	33E	Cat. 4		Cs-137	6.1	GBq	12/31/1990	3.8 GBq
s-0341	ГА7	Cat. 4		Cs-137	6.1	GBq	12/31/1990	3.8 GBq
s-0340	8EP	Cat. 4		Cs-137	6.1	GBq	12/31/1989	3.71 GBq
s-0339	9EУ	Cat. 4		Cs-137	6.1	GBq	12/31/1988	3.63 GBq
s-0338	74A	Cat. 4		Cs-137	6.1	GBq	12/31/1990	3.8 GBq
s-0337	6X1	Cat. 4		Cs-137	6.1	GBq	12/31/1990	3.8 GBq
s-0336	45A	Cat. 4		Cs-137	6.1	GBq	12/31/1990	3.8 GBq
s-0335	4PA	Cat. 4		Cs-137	6.1	GBq	12/31/1988	3.63 GBq
s-0334	76P	Cat. 4		Cs-137	6.1	GBq	12/31/1990	3.8 GBq
s-0333	83П	Cat. 4		Cs-137	6.1	GBq	12/31/1990	3.8 GBq
s-0324	8AP	Cat. 4		Cs-137	6.1	GBq	12/31/1988	3.63 GBq
s-0323	85K	Cat. 4		Cs-137	6.1	GBq	12/31/1988	3.63 GBq
s-0322	7PP	Cat. 4		Cs-137	6.1	GBq	12/31/1988	3.63 GBq
s-0321	19A	Cat. 4		Cs-137	6.1	GBq	12/31/1990	3.8 GBq

s-0320	УП2	Cat. 4	Cs-137	6.1	GBq	12/31/1989	3.71 GBq
s-0319	7OP	Cat. 4	Cs-137	6.1	GBq	12/31/1990	3.8 GBq
s-0318	7AP	Cat. 4	Cs-137	6.1	GBq	12/31/1988	3.63 GBq
s-0317	600	Cat. 4	Cs-137	6.1	GBq	12/31/1990	3.8 GBq
s-0316	7A3	Cat. 4	Cs-137	6.1	GBq	12/31/1990	3.8 GBq
s-0315	O6Д	Cat. 4	Cs-137	6.1	GBq	12/31/1990	3.8 GBq
s-0314	67P	Cat. 4	Cs-137	6.1	GBq	12/31/1990	3.8 GBq
s-0313	2K3	Cat. 4	Cs-137	6.1	GBq	12/31/1990	3.8 GBq
s-0312	3A9	Cat. 4	Cs-137	6.1	GBq	12/31/1989	3.71 GBq
s-0311	3P3	Cat. 4	Cs-137	6.1	GBq	12/31/1988	3.63 GBq
s-0310	8HH	Cat. 4	Cs-137	6.1	GBq	12/31/1988	3.63 GBq
s-0309	9AT	Cat. 4	Cs-137	6.1	GBq	12/31/1988	3.63 GBq
s-0308	2PH	Cat. 4	Cs-137	6.1	GBq	12/31/1988	3.63 GBq
s-0307	4PP	Cat. 4	Cs-137	6.1	GBq	12/31/1989	3.71 GBq
s-0306	01У	Cat. 4	Cs-137	6.1	GBq	12/31/1990	3.8 GBq
s-0305	7X4	Cat. 4	Cs-137	6.1	GBq	12/31/1990	3.8 GBq
s-0304	86Г	Cat. 4	Cs-137	6.1	GBq	12/31/1990	3.8 GBq
s-0303	HT9	Cat. 4	Cs-137	6.1	GBq	12/31/1988	3.63 GBq
s-0302	O8T	Cat. 4	Cs-137	6.1	GBq	12/31/1990	3.8 GBq
s-0301	23P	Cat. 4	Cs-137	6.1	GBq	12/31/1990	3.8 GBq
s-0300	608	Cat. 4	Cs-137	6.1	GBq	12/31/1990	3.8 GBq

s-0299	У8Х	Cat. 4	Cs-137	6.1	GBq	12/31/1988	3.63 GBq
s-0298	8У6	Cat. 4	Cs-137	6.1	GBq	12/31/1990	3.8 GBq
s-0297	44Е	Cat. 4	Cs-137	6.1	GBq	12/31/1990	3.8 GBq
s-0296	8У9	Cat. 4	Cs-137	6.1	GBq	12/31/1990	3.8 GBq
s-0295	ХР3	Cat. 4	Cs-137	6.1	GBq	12/31/1989	3.71 GBq
s-0294	6АУ	Cat. 4	Cs-137	6.1	GBq	12/31/1988	3.63 GBq
s-0293	96Н	Cat. 4	Cs-137	6.1	GBq	12/31/1990	3.8 GBq
s-0292	650	Cat. 4	Cs-137	6.1	GBq	12/31/1990	3.8 GBq
s-0291	4С6	Cat. 4	Cs-137	6.1	GBq	12/31/1990	3.8 GBq
s-0290	3ПА	Cat. 4	Cs-137	6.1	GBq	12/31/1988	3.63 GBq
s-0289	43С	Cat. 4	Cs-137	6.1	GBq	12/31/1990	3.8 GBq
s-0288	РД1	Cat. 4	Cs-137	6.1	GBq	12/31/1990	3.8 GBq
s-0287	ОГП	Cat. 4	Cs-137	6.1	GBq	12/31/1989	3.71 GBq
s-0286	270	Cat. 4	Cs-137	6.1	GBq	12/31/1989	3.71 GBq
s-0285	421	Cat. 4	Cs-137	6.1	GBq	12/31/1989	3.71 GBq
s-0284	9П9	Cat. 4	Cs-137	6.1	GBq	12/31/1990	3.8 GBq
s-0283	250	Cat. 4	Cs-137	6.1	GBq	12/31/1989	3.71 GBq
s-0282	038	Cat. 4	Cs-137	6.1	GBq	12/31/1989	3.71 GBq
s-0281	ОАА	Cat. 4	Cs-137	6.1	GBq	12/31/1989	3.71 GBq
s-0278	132	Cat. 4	Cs-137	6.11	GBq	12/31/1989	3.72 GBq
s-0277	Unkn	Cat. 4	Cs-137	6.11	GBq	12/31/1983	3.24 GBq

s-0276	051	Cat. 4	Cs-137	6.11	GBq	12/31/1983	3.24 GBq
s-0275	560	Cat. 4	Cs-137	6.11	GBq	12/31/1983	3.24 GBq
s-0274	534	Cat. 4	Cs-137	6.11	GBq	12/31/1983	3.24 GBq
s-0273	ОРТ	Cat. 4	Cs-137	6.11	GBq	12/31/1983	3.24 GBq
s-0270	9П7	Cat. 4	Cs-137	6.11	GBq	12/31/1983	3.24 GBq
s-0269	541	Cat. 4	Cs-137	6.11	GBq	12/31/1983	3.24 GBq
s-0268	728	Cat. 4	Cs-137	6.11	GBq	12/31/1983	3.24 GBq
s-0267	763	Cat. 4	Cs-137	6.11	GBq	12/31/1983	3.24 GBq
s-0266	5НН	Cat. 4	Cs-137	6.1	GBq	12/31/1989	3.71 GBq
s-0265	797	Cat. 4	Cs-137	6.11	GBq	12/31/1983	3.24 GBq
s-0264	125	Cat. 4	Cs-137	6.11	GBq	12/31/1983	3.24 GBq
s-0262	639	Cat. 4	Cs-137	6.11	GBq	12/31/1983	3.24 GBq
s-0261	907	Cat. 4	Cs-137	6.37	GBq	12/31/1981	3.22 GBq
s-0260	93Н	Cat. 4	Cs-137	6.37	GBq	12/31/1983	3.38 GBq
s-0259	9П	Cat. 4	Cs-137	6.37	GBq	12/31/1983	3.38 GBq
s-0258	402	Cat. 4	Cs-137	6.37	GBq	12/31/1984	3.45 GBq
s-0257	9РА	Cat. 4	Cs-137	6.1	GBq	12/31/1989	3.71 GBq
s-0255	2ПК	Cat. 4	Cs-137	6.1	GBq	12/31/1989	3.71 GBq
s-0254	НА6	Cat. 4	Cs-137	6.37	GBq	12/31/1983	3.38 GBq
s-0253	6ГА	Cat. 4	Cs-137	6.1	GBq	12/31/1989	3.71 GBq
s-0252	1КЕ	Cat. 4	Cs-137	6.1	GBq	12/31/1989	3.71 GBq

s-0250	1H9	Cat. 4	Cs-137	6.37	GBq	12/31/1981	3.22 GBq
s-0249	IT5	Cat. 4	Cs-137	6.1	GBq	12/31/1988	3.63 GBq
s-0248	SAT	Cat. 4	Cs-137	6.1	GBq	12/31/1988	3.63 GBq
s-0247	2AH	Cat. 4	Cs-137	6.11	GBq	12/31/1988	3.63 GBq
s-0246	141	Cat. 4	Cs-137	6.1	GBq	12/31/1983	3.23 GBq
s-0245	У69	Cat. 4	Cs-137	6.1	GBq	12/31/1989	3.71 GBq
s-0244	4EP	Cat. 4	Cs-137	6.1	GBq	12/31/1989	3.71 GBq
s-0243	EHI	Cat. 4	Cs-137	6.1	GBq	12/31/1988	3.63 GBq
s-0242	52H	Cat. 4	Cs-137	6.37	GBq	12/31/1984	3.45 GBq
s-0241	7КП	Cat. 4	Cs-137	6.1	GBq	12/31/1988	3.63 GBq
s-0240	6T5	Cat. 4	Cs-137	6.37	GBq	12/31/1981	3.22 GBq
s-0239	7П2	Cat. 4	Cs-137	6.37	GBq	12/31/1981	3.22 GBq
s-0238	876	Cat. 4	Cs-137	6.37	GBq	12/31/1981	3.22 GBq
s-0236	3АП	Cat. 4	Cs-137	6.1	GBq	12/31/1988	3.63 GBq
s-0235	10КТ	Cat. 4	Cs-137	6.1	GBq	12/31/1988	3.63 GBq
s-0234	ОКП	Cat. 4	Cs-137	6.1	GBq	12/31/1988	3.63 GBq
s-0233	TC8	Cat. 4	Cs-137	6.37	GBq	12/31/1983	3.38 GBq
s-0232	9H8	Cat. 4	Cs-137	6.37	GBq	12/31/1981	3.22 GBq
s-0231	139	Cat. 4	Cs-137	6.11	GBq	12/31/1983	3.24 GBq
s-0230	226	Cat. 4	Cs-137	6.11	GBq	12/31/1983	3.24 GBq
s-0229	ОПН	Cat. 4	Cs-137	6.1	GBq	12/31/1988	3.63 GBq

s-0228	Т22	Cat. 4	Cs-137	6.11	GBq	12/31/1983	3.24 GBq
s-0227	86А	Cat. 4	Cs-137	6.37	GBq	12/31/1981	3.22 GBq
s-0226	2Т1	Cat. 4	Cs-137	6.37	GBq	12/31/1981	3.22 GBq
s-0225	1ПР	Cat. 4	Cs-137	6.1	GBq	12/31/1989	3.71 GBq
s-0224	ПН7	Cat. 4	Cs-137	6.1	GBq	12/31/1988	3.63 GBq
s-0223	186	Cat. 4	Cs-137	6.37	GBq	12/31/1983	3.38 GBq
s-0222	47Р	Cat. 4	Cs-137	6.2	GBq	12/31/1989	3.77 GBq
s-0221	565	Cat. 4	Cs-137	6.37	GBq	12/31/1984	3.45 GBq
s-0220	8П3	Cat. 4	Cs-137	6.65	GBq	12/31/1981	3.36 GBq
s-0219	490	Cat. 4	Cs-137	6.65	GBq	12/31/1984	3.61 GBq
s-0218	7ПО	Cat. 4	Cs-137	6.37	GBq	12/31/1981	3.22 GBq
s-0217	75Г	Cat. 4	Cs-137	6.65	GBq	12/31/1981	3.36 GBq
s-0216	48	Cat. 4	Cs-137	6.65	GBq	12/31/1985	3.69 GBq
s-0215	3АА	Cat. 4	Cs-137	6.37	GBq	12/31/1983	3.38 GBq
s-0214	9К8	Cat. 4	Cs-137	6.65	GBq	12/31/1981	3.36 GBq
s-0213	НР4	Cat. 4	Cs-137	6.1	GBq	12/31/1990	3.8 GBq
s-0212	9К5	Cat. 4	Cs-137	6.65	GBq	12/31/1981	3.36 GBq
s-0211	99А	Cat. 4	Cs-137	6.65	GBq	12/31/1981	3.36 GBq
s-0210	4Т7	Cat. 4	Cs-137	6.65	GBq	12/31/1981	3.36 GBq
s-0209	2Х7	Cat. 4	Cs-137	6.65	GBq	12/31/1981	3.36 GBq
s-0208	ОН1	Cat. 4	Cs-137	6.65	GBq	12/31/1981	3.36 GBq

s-0207	ТГ6	Cat. 4	Cs-137	6.37	GBq	12/31/1983	3.38 GBq
s-0206	6Н4	Cat. 4	Cs-137	6.65	GBq	12/31/1981	3.36 GBq
s-0205	12Г	Cat. 4	Cs-137	6.65	GBq	12/31/1981	3.36 GBq
s-0204	78Х	Cat. 4	Cs-137	6.37	GBq	12/31/1983	3.38 GBq
s-0203	37А	Cat. 4	Cs-137	6.65	GBq	12/31/1981	3.36 GBq
s-0202	2С3	Cat. 4	Cs-137	6.65	GBq	12/31/1981	3.36 GBq
s-0201	9Р1	Cat. 4	Cs-137	6.65	GBq	12/31/1981	3.36 GBq
s-0200	91Т	Cat. 4	Cs-137	6.37	GBq	12/31/1983	3.38 GBq
s-0199	42А	Cat. 4	Cs-137	6.65	GBq	12/31/1981	3.36 GBq
s-0198	8Н3	Cat. 4	Cs-137	6.65	GBq	12/31/1981	3.36 GBq
s-0197	6У7	Cat. 4	Cs-137	6.65	GBq	12/31/1981	3.36 GBq
s-0196	ОТ8	Cat. 4	Cs-137	6.65	GBq	12/31/1981	3.36 GBq
s-0195	8Х2	Cat. 4	Cs-137	6.65	GBq	12/31/1981	3.36 GBq
s-0194	8П6	Cat. 4	Cs-137	6.65	GBq	12/31/1981	3.36 GBq
s-0193	6Р1	Cat. 4	Cs-137	6.65	GBq	12/31/1981	3.36 GBq
s-0192	9Х8	Cat. 4	Cs-137	6.65	GBq	12/31/1981	3.36 GBq
s-0191	093	Cat. 4	Cs-137	6.65	GBq	12/31/1981	3.36 GBq
s-0190	560	Cat. 4	Cs-137	6.37	GBq	12/31/1984	3.45 GBq
s-0189	604	Cat. 4	Cs-137	6.37	GBq	12/31/1984	3.45 GBq
s-0188	844	Cat. 4	Cs-137	6.37	GBq	12/31/1984	3.45 GBq
s-0187	885	Cat. 4	Cs-137	6.37	GBq	12/31/1984	3.45 GBq

s-0186	678	Cat. 4	Cs-137	6.37	GBq	12/31/1984	3.45 GBq
s-0185	591	Cat. 4	Cs-137	6.37	GBq	12/29/1984	3.45 GBq
s-0184	727	Cat. 4	Cs-137	6.37	GBq	12/31/1984	3.45 GBq
s-0183	548	Cat. 4	Cs-137	6.33	GBq	12/31/1984	3.43 GBq
s-0182	A-20	Cat. 4	Cs-137	6.37	GBq	12/31/1984	3.45 GBq
s-0181	742	Cat. 4	Cs-137	6.37	GBq	12/31/1984	3.45 GBq
s-0180	639	Cat. 4	Cs-137	6.37	GBq	12/31/1984	3.45 GBq
s-0179	622	Cat. 4	Cs-137	6.33	GBq	12/31/1984	3.43 GBq
s-0178	740	Cat. 4	Cs-137	6.37	GBq	12/31/1984	3.45 GBq
s-0177	857	Cat. 4	Cs-137	6.37	GBq	12/31/1984	3.45 GBq
s-0176	711	Cat. 4	Cs-137	6.37	GBq	12/31/1984	3.45 GBq
s-0175	Unkn	Cat. 4	Cs-137	6.37	GBq	12/31/1984	3.45 GBq
s-0174	795	Cat. 4	Cs-137	6.37	GBq	12/31/1984	3.45 GBq
s-0173	743	Cat. 4	Cs-137	6.37	GBq	12/31/1984	3.45 GBq
s-0172	864	Cat. 4	Cs-137	6.37	GBq	12/31/1984	3.45 GBq
s-0171	940	Cat. 4	Cs-137	6.37	GBq	12/30/1989	3.88 GBq
s-0170	59 Γ	Cat. 4	Cs-137	6.37	GBq	12/31/1981	3.22 GBq
s-0169	79 Γ	Cat. 4	Cs-137	6.37	GBq	12/31/1981	3.22 GBq
s-0168	630	Cat. 4	Cs-137	6.11	GBq	12/31/1983	3.24 GBq
s-0167	244	Cat. 4	Cs-137	6.11	GBq	12/31/1983	3.24 GBq
s-0166	Unkn	Cat. 4	Cs-137	6.11	GBq	12/31/1984	3.31 GBq

s-0165	197	Cat. 4		Cs-137	6.11	GBq	12/31/1984	3.31 GBq
s-0164	555	Cat. 3	a-0001	Co-60	2	TBq	8/13/1985	0.07 TBq
s-0150	A07	Cat. 4		Cs-137	6.57	GBq	1/1/1984	3.48 GBq
s-0149	340	Cat. 4		Cs-137	6.37	GBq	1/1/1980	3.08 GBq
s-0148	049	Cat. 4		Cs-137	6.33	GBq	1/1/1980	3.06 GBq
s-0147	894	Cat. 4		Cs-137	6.37	GBq	1/1/1984	3.38 GBq
s-0146	125	No Cat.		Cs-137	6.2	kBq	1/1/1989	3.69 kBq
s-0145	1042	Cat. 4		Cs-137	6.1	GBq	1/1/1989	3.63 GBq
s-0144	4AV	Cat. 4		Cs-137	6.1	GBq	1/1/1988	3.55 GBq
s-0143	341	Cat. 4		Cs-137	6.37	GBq	1/1/1981	3.15 GBq
s-0142	Unkn	Cat. 4		Cs-137	6.37	GBq	1/1/1981	3.15 GBq
s-0141	16	Cat. 4		Cs-137	6.1	GBq	1/1/1990	3.71 GBq
s-0140	9811	Cat. 4		Cs-137	6.1	GBq	1/1/1990	3.71 GBq
s-0139	27K	Cat. 4		Cs-137	6.1	GBq	1/1/1990	3.71 GBq
s-0138	9HO	Cat. 4		Cs-137	6.1	GBq	1/1/1990	3.71 GBq
s-0137	66P	Cat. 4		Cs-137	6.1	GBq	1/1/1990	3.71 GBq
s-0136	09X	Cat. 4		Cs-137	6.1	GBq	1/1/1990	3.71 GBq
s-0135	EA8	Cat. 4		Cs-137	6.1	GBq	1/1/1990	3.71 GBq
s-0129	K6	Cat. 4		Cs-137	6.37	GBq	1/1/1985	3.45 GBq
s-0118	P-65	Cat. 4		Cs-137	6.11	GBq	1/1/1985	3.31 GBq
s-0088	82	Cat. 4		Cs-137	6.1	GBq	1/1/1985	3.31 GBq

s-0082	246	Cat. 4	Cs-137	6.1	GBq	1/1/1985	3.31 GBq
s-0080	638	Cat. 4	Cs-137	6.33	GBq	1/1/1985	3.43 GBq
s-0069	748	Cat. 4	Cs-137	6.1	GBq	1/1/1985	3.31 GBq
s-0068	ПГ1	Cat. 4	Cs-137	6.1	GBq	1/1/1986	3.39 GBq
s-0057	C 18	Cat. 4	Cs-137	6.1	GBq	1/1/1989	3.63 GBq
s-0056	C 76	Cat. 4	Cs-137	6.1	GBq	1/1/1989	3.63 GBq
s-0053	X2	Cat. 4	Cs-137	6.1	GBq	1/1/1989	3.63 GBq
s-0051	CP-1	Cat. 4	Cs-137	6.1	GBq	1/1/1989	3.63 GBq
s-0032	Unkn	Cat. 4	Cs-137	500	mCi	1/1/1990	304.35 mCi
s-0017	Unkn	Cat. 4	Cs-137	6.37	GBq	1/1/1984	3.38 GBq
s-0014	4ПО	Cat. 4	Cs-137	6.37	GBq	1/1/1984	3.38 GBq
s-0013	ЕП-6	Cat. 4	Cs-137	6.37	GBq	1/1/1985	3.45 GBq
s-0012	161	Cat. 4	Cs-137	6.37	GBq	1/1/1984	3.38 GBq
s-0011	Unkn	Cat. 5	Ra-226	1	mCi	1/1/1111	0.68 mCi
s-0009	Unkn	Cat. 4	Cs-137	6.37	GBq	1/1/1984	3.38 GBq
s-0008	65 K	Cat. 4	Cs-137	6.37	GBq	1/1/1985	3.45 GBq
s-0006	130	Cat. 4	Cs-137	6.37	GBq	1/1/1984	3.38 GBq
s-0005	6279/61	Cat. 5	Kr-85	3.7	GBq	1/1/1990	0.92 GBq
s-0004	490	Cat. 4	Cs-137	6.37	GBq	1/1/1990	3.88 GBq
s-0003	472	Cat. 4	Cs-137	8.37	GBq	1/1/1990	5.09 GBq

s-0002	771	Cat. 5	Cs-137	6.2	MBq	1/1/1990	3.77 MBq
s-0001	25 k	Cat. 4	Cs-137	6.2	GBq	1/1/1989	3.69 GBq

Unkn - Unknown

Sealed sources (S)

Unsealed sources (U)

Generators of ionizing radiation (G)

Associated devices (Asso)

ANNEX 4

AN EXAMPLE OF MARKING FOR STORED RADIACTIVE SOURCES