

EXPERIENCE OF THE RF ON REGULATION OF SAFETY and SECURITY AT LONG STORAGE OF THE DSRS

**IAEA Technical Meeting
27 February to 1 March 2012**



THE SYSTEM OF UTILIZATION OF DSRS IN RF

- The system of utilization of DSRS was created in the USSR in the end of 50 years of last century.
- Within period from 1958 to 1965 several special combines "Radon" was created in various regions of USSR and started to function.



THE SYSTEM OF UTILIZATION OF DSRS IN RF

- At the present moment in the R F it is created enterprise RosRAO which has united all enterprises for disposal of a RW.
- Thus RosRAO carries out disposal of all kinds of a RW including DSRS and RW received from military facilities.



THE SYSTEM OF UTILIZATION OF DSRS IN RF

- In structure RosRAO has following divisions:
 - Blagoveshchensk division;
 - Volgograd division;
 - Groznensky division;
 - Irkutsk division ;
 - Kazan division;
 - Kirovo-Chepetsk division;
 - Leningrad division;



THE SYSTEM OF UTILIZATION OF DSRS IN RF

- Murmansk division;
- Nizhniy Novgorod division ;
- Novosibirsk division;
- Rostov division;
- Samara division;
- Saratov division;
- Sverdlovsk branch;
- Khabarovsk division;
- Chelyabinsk division.



THE SYSTEM OF UTILIZATION OF DSRS IN RF

- Besides his division as there are following division which process a waste receiving from military facilities:
 - Division Lip Andreeva;
 - Division Gremiha ;
 - Division Fokino;
 - Division Viljuchinsk.



MAP OF RosRAO DIVISION



UTILIZATION OF SRS IN RF

- Utilization of SRS in RF may be carried out by two ways:
 - recycling SRS;
 - disposal SRS.



UTILIZATION OF SRS IN RF

- In the RF use SRS with the expired live cycle is prohibited.
- For such violations the follow punishment can be imposed:
 - penalty on the official from 1000 dollars;
 - official can be discharged from work for the term from 3 months;
 - penalty on organization from 10000 dollars.



AMOUNTS OF WORKS ON UTILIZATION DSRS IN THE RF

- For understanding of amounts of works on utilization DSRS in the RF it is possible to show following figures:
- In 2011:
 - SRS was used by 1615 organizations;
 - RosRAO received from these organizations for utilization 6594 DSRS;



AMOUNTS OF WORKS ON UTILIZATION DSRS IN THE RF

- From this amount:
 - 397 DSRS have been shipped to facility “Mayak” for reprocessing;
 - 6197 DSRS have been disposal.
- In the Russian Federation 23 orphan sources were revealed in 2011.



FEDERAL LAW “ABOUT THE HANDLING BY A RADIOACTIVE WASTE RF”

- In 2011 in the RF was adopted the new Federal law “About the handling by a radioactive waste and about modification of separate acts of the Russian Federation» regulating relations in the field of the handling with the radioactive waste.



FEDERAL LAW “ABOUT THE HANDLING BY A RADIOACTIVE WASTE RF”

- According to the law the national operator under the RWV handling should be created in Russia.
- This law has identify the obligation of organizations and national operator



OBLIGATION OF ORGANIZATION

- Annually to define possibility of further use SRS and in case of impossibility of further use SRS to transfer them to RW;
- To provide safe handling of RW, including within target dates of intermediate storage of RW, which in many cases is 5 years;



OBLIGATION OF ORGANIZATION

- Carry out own forces or with helping of the special organizations adduce the RW to criteria of an acceptability.
- To ship own forces or with helping of the special organizations RW to point of storage of the RW, appointed by the national operator with passports of RW.
- Pay of RW disposal.



OBLIGATION OF NATIONAL OPERATOR

- To accept RW to its disposal.
- To allocate a part of the revenue from organizations means to special fund.
- To provide nuclear safety and security, preservation of the environment, observance of the legislation on sanitary-and-epidemiologic well-being of the population at operation, closing and after closing of points of disposal of RW.



OBLIGATION OF NATIONAL OPERATOR

- To provide the radiating control in territories of placing of points of disposal of RWV, including the periodic radiating control after decommissioning of such points;
- To represent by inquiries of citizens, legal bodies, public organizations, public authorities the information concerning activity of the national operator.



OBLIGATION OF NATIONAL OPERATOR

- To inform the population, public authorities, other state bodies, local governments on safety issues at the handling of RW and on radiation conditions in territories of placing of points of storage of RW maintained by the national operator.



CHANGES TO THE LAW "ABOUT ATOMIC ENERGY USE"

- Important changes also was made to the law "About atomic energy use" concerning handling with SRS at last year.
- Now it is possible to return to Russian Federation DSRS produced in Russia with life cycle expired.



THANK YOU FOR ATTENTION

