

“Personnel Dose Control Computer Based System”

Mr. Boris Bezrukov (Concern ROSENERGOATOM, Russia)

This is a presentation concerning a personal dose control system (PDC CBS: Personal Dose Control Computer Based System) in Russia. The PDC CBS is a decentralized data processing system which provides the personal dose control function by electric power plant and also connects each electric power plant with the headquarters in Moscow.

At the level of electric power plant, the PDC CBS aims at:

- Monitoring and registering external exposure personal dose
- Monitoring and registering the personal dose of information related to internal exposure such as taken-in nuclides and calculating executed internally exposed dose
- Planning and analyzing the collective dose of the plant personnel and contract operators
- Preparing specific reports and providing information

On the other hand, at the level of the headquarters, the PDC CBS aims at fulfilling the following roles:

- Conducting coordination between PDC CBSs at the plant level
- Analyzing plant dose data
- Achieving the same rating for classification and providing a database and directory in order to make it possible to compare the dose data between plants

The software of PDC CBS adopts a client server system and it is composed of a combination of the client applications of automatic working places (AWP) which is a database and service software of ORACLE.

