



# MORNING NUCLEAR APPLICATION FROM A TO Z

## IN JILIN PROVINCE OF CHINA

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**National and Provincial Regulations for Radioactive Waste Management.** Nuclear applications are supervised and regulated on low levels in China, implemented by central government and provincial governments respectively. Central government is in charge of examination and approval for major nuclear applications while provincial governments are in charge of medium and small-scale nuclear applications and implementation of all the daily nuclear applications supervision and storage.

**Approaches for Managing –Monitoring Nuclear Applications from A to Z In Jilin.** Radiation Environment Supervision Institute of Jilin Province (RESIJP) ,on behalf of provincial government, is in charge of nuclear applications which entail submit and enrollment. The nuclear application programs cannot be permitted unless the Environmental Impact Assessment (EIA) is up to the standards. The programs should be monitored by RESIJP from beginning to the end. In the process of implementing of the programs, the monitoring organization should sample timely. The government must be kept well-informed about radioactive wastes produced in the programs which, should transferred to the radioactive waste storage. Implemented programs supposed to decommission must get the agreement of RESIJP through EIA to ensure the safety of radiation environment.

**Waste Storage, Transportation and Disposal Measures in Jilin Province.** There is a modern radioactive waste storeroom in Jilin, which stores the radioactive wastes collected from all over Jilin everyday. The storeroom, which is located in a beautiful mountain place with ecological monitoring system is safety. The storeroom, with necessary facilities, becomes an model engineering for urban waste storerooms of China.

### **Achievements of Whole Course Supervision of Nuclear Applications**

Nuclear applications are kept under efficient supervision all the time so that environmental safety is guaranteed.

The amount of radioactive waste decreased by the means of economy and supervision (refer to the annex).

The rate of radiation accidents have been lowered since the implementation of whole course supervision (refer to the annex).

**One Problem for International Help.** The problem yet to be solved is how to handle the old and complex storage located in Jilin with a large quantity of radioactive wastes and some toxic chemical materials. The activity and categories of these wastes are unknown. The provincial government has decided to let the storage decommission which, is hard to implement in that the technique difficulties. Help from international colleagues is wanted.

#### REFERENCES

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- [2]ZHONGYAN XIE "Pay attention to the radiation environment" , Jilin Communication, 9-1999