



KOZLODUY NPP REVIEW

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Journalists meet with KNPP managers



Kozloduy NPP managers explain the prospects for future development of the company

The Kozloduy NPP management had its regular meeting with journalists in January, 2006. More than 30 reporters took part in the discussions on January 20. The meeting took place at the Ledenika recreational complex. The journalists had a chance to obtain first-hand information and to discuss the achievements of Kozloduy NPP as well as the prospects for future development.

Mr Ivan Ivanov, Executive Director, made a presentation in which he emphasized the role of Kozloduy NPP as a major electricity producer and reliable supplier of energy in Bulgaria and in the whole region.

Kozloduy NPP generated 18,653,081 MWh of electricity in 2005 thus exceeding the production targets by 105 percent. 17,343,126 MWh net electric power were supplied to the national system. This

year. The company fulfilled the production quotas on the free market and established a very good image and impressive market presence.

Mr Ivan Ivanov outlined as priorities for 2006 the fulfillment of the production plan, increasing the quotas on the deregulated market, finalization of modernization measures, safety upgrades, and optimization of operation and maintenance.

The executive director highlighted as crucial the professionalism of the staff in regard to the good business results.

Mr Mitko Yankov, Director of Safety and Quality, presented the achievements in the sphere of safety and pointed out the record set at Unit 6 – nine years without an emergency trip. In 2005, there were no events that led to radiation contamination of the plant site or the environment. For years no case has been registered of exceeding the indi-

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amount represents 42.2 percent of the total national power generation and establishes the company as the biggest electricity producer nationwide.

It was made clear that Kozloduy NPP performed very well on the deregulated electricity market in the last

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Journalists meet with KNPP managers

vidual effective dose limit set by the legislation.

The journalists were also familiarized with the major goal of the human resources management – retention of qualified personnel at the company. Ms Emilia Vassileva, Head of Administration and Control Division, presented the projects aimed at maintaining and improving motivation at the plant. The project is a joint initiative of KNPP and British Nuclear Group.

In conclusion, the managers stated that the nuclear industry has a bright future in Bulgaria as it has well-qualified personnel and know-how.

Ivan Ivanov named 'Person of Year 2005'

Mr Ivan Ivanov, Executive Director of Kozloduy NPP, was named a 'Person of 2005 in Kozloduy' in the annual ceremony organized by the regional newspaper Dunav. The award, a statue of Ikarus, was given to Mr Ivanov by the 2004 winner Milko Torbov, Mayor of Kozloduy.

The citizens selected nominees in six categories: business, citizen activists and local authorities, education, healthcare, culture and sports.

Mr Ivanov was selected by a five-member jury because of his contribution as a manager of the power plant and his proactive position regarding the future of Kozloduy NPP. Mr Ivanov was also nominated in the business category.

Accents



Mr Ivan Ivanov explains to Mr Ovcharov (right) the major goals of the company

Two ministers visit Kozloduy

On January 6, 2006 Mr Rumen Ovcharov, Minister of Economy and Energy, visited Kozloduy NPP. He had a meeting with Kozloduy NPP managers during his visit. Mr Ivan Ivanov, Executive Director, familiarized the guest with the development of the company and the prospects in near future.

Ms Emilia Maslarova, Minister of Labor and Social Policy, paid an official visit to Kozloduy NPP on January 31, 2006. She met with Mr Ivan Ivanov and other managers who had the opportunity to familiarize the guest with various aspects of Kozloduy NPP's activities.

Ms Emilia Vassileva, Head of Administration and Control, presented the new changes in the remuneration mechanisms at Kozloduy NPP arising from changes in the relevant legislation.

Both ministers had the chance to see various facilities on the site and to get first-hand information about the nuclear industry in Bulgaria.

Priorities in the Kozloduy NPP's investment program

The investment program of Kozloduy NPP includes expenditures made in order to obtain long-term assets. The long-term assets are those that provide economic profit for more than one year.

The investment expenditures of Kozloduy NPP are structured in several areas: research, machines and equipment, construction work, and other investment expenditures.

Financing of the Kozloduy NPP's investment program is provided by the company's own funds and by external funds such as the PHARE program, the Safe Storage of Radioactive Waste Fund, the European Bank for Reconstruction and Development, etc.

Various Kozloduy NPP groups make suggestions regarding their investment requirements. Decisions are made based on safety assessment, previous experience, legal documents, as well as economic reasons.

In the decision-making process the experts take into consideration the requirements of the Safe Use of Nuclear Energy Act, Spatial Development Act, Public Procurement Act, Cadastre and Property Register Act, etc.

Implementation of the Investment Program in 2005

In 2005, the investment program was implemented by 91 percent. 98 percent of

the overall number of measures, involves measures financed by KNPP's own funds, 64 percent of the expenditures were directed towards modernization of Units 5 and 6. A large number of measures that have been started in previous years were finalized in 2005. The implementation of long-term assets comes to 108 percent.

The most important projects funded under the investment program include modernization of the radiation control system in the restricted area, replacement of equipment of the control rods group and replacement of the YKTC system, etc.

A back-up warm water canal was built under the investment program in 2005 for the technical needs of the plant.

Another part of the investments went to two other projects. One was a heat exchanger station which improved the quality of the heating supply in the town of Kozloduy. The other one was the new swimming pool at the Ledenika recreational complex.

A detailed analysis of the long-term investments was made for unfinished construction works that have been started in previous years. This facilitated the finalization of projects and accounting documentation.

Priorities in the 2006 Investment Program

The characteristics of the 2006 Investment Program are determined according to Kozloduy

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Modernization



Hands-on training for KNPP specialists

New information system for operation

The Ledenika Recreational Complex hosted a training session from February 6 to 10 which gathered forty representatives of Maintenance Division, Operation Division, Engineering Division, Information Systems, and Quality Assurance. They took part in training on the new information system for organization of operational activities (IS OED) at Kozloduy NPP. The system is designed to collect, store and manage data regarding equipment, design requirements and modifications in the original project, as well as in maintenance activities.

IS OED is designed on the basis of a relational database which stores data for engineering tests, maintenance activities, defects and failures, as well as data for project requirements and characteristics of

equipment.

IS OED contains the following modules: Equipment (implemented at Kozloduy NPP in April 2005), Operation, Design requirements and design basis, Design modifications and System administration.

During the training the Operation module was presented to the participants by representatives of the system designer Risk Engineering and the subcontractor Hemimont. The specialists provided a computer network in order to demonstrate the features of the system. This allowed for a demonstration in real time.

The trainers familiarized the future users with the new system. The organizers believe that the participants will have the chance to fully benefit from the advantages of the new system.



Students from Sofia get first-hand information about KNPP

Students visit Kozloduy NPP

“I am very happy I had the chance to visit Kozloduy NPP. I am amazed by the control systems. I’m sure that Kozloduy NPP is absolutely safe,” said Elizabeth Dimitrova on behalf of her classmates and teachers from William Gladstone High School, Sofia. More than 50 guests from the school visited Kozloduy NPP on January 18. Most of the visitors said they took the class “From Atom to Space” and came to the plant to get some first-hand information about the nuclear industry.

The students visited some departments on the plant site and the Radiation

Monitoring Department where they met Kozloduy NPP experts.

Students from Dobry Voynikov High School, Sofia, visited the company on February 21. They wrote in the visitors’ book: **“Thank you for the wonderful visit! We are glad we saw Kozloduy NPP, something you don’t see every day. Thank you for your hospitality and good luck in your endeavors!”**

Accents

SmartDoc database serves everyone

Kozloduy NPP has fully implemented a new software, SmartDoc, which is a database for documentation control and management. The new software facilitates the everyday work with documents at Kozloduy NPP and contains up-to-date information about the documents and the archive such as category, status, modifications and check-ups, validity, distribution, etc.

The database was created in accordance with the quality assurance requirements regarding information management.

SmartDoc is a universal system for documentation management in the company. This guarantees that all documents are collected and arranged in one place only. In the past, various structures within the company used to have their own databases which obstructed the access to docu-

ments. The new software offers all users a possibility to search for documents by various criteria: name, archive, structure, etc.

The users can find certain documents even without knowing the full title.

The new software facilitates the everyday work with documents

Moreover, users can browse and search using their own criteria.

Documents were digitized thanks to the efforts of the archive specialists in various KNPP structures. According to Svetlana Kamenova, group leader of the Administration and Control Central Archive, the database offers an easy and fast way of working. The major advantage of the system is the fact that it offers remote access from any office and eliminates the need of paper copies. The documents are available mainly in a Word format, and certain files are available in a PDF format too.

IAEA seminar on physical protection

Kozloduy NPP's Recreational Complex at Ledenika hosted a seminar on security and physical protection from February 21 to 23. The seminar is a joint project of the International Atomic Energy Agency (IAEA) and the European Union.

The theme of this event was 'Physical

Protection against Sabotage.' Experts from Kozloduy NPP, the Nuclear Regulatory Agency and the Ministry of Interior took part in the event. They discussed various aspects of security and visited Kozloduy NPP's facilities in the last day of the seminar.

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Priorities in the Kozloduy NPP's investment program

NPP's policies for safety improvement and reliable operation.

The goal is to achieve realization of the Investment Program so as to utilize in the best possible way the available financial sources. It is also important to maintain the highest possible quality and meet the work schedules and the planned outage schedules.

The major priorities for 2006 include:

- Adherence to the safety and radiation protection requirements
- Improvement of the security of Kozloduy NPP
- Assurance of safe operation of facilities
- Assurance of fire protection and upgrading the fire extinguishing equipment

Along with these measures, Kozloduy NPP will implement various measures as a result of the analysis from operational experience.

All the activities will be implemented according to the 2006 Investment Program, approved by the Executive Director Ivan Ivanov. The financing of the program comes from Kozloduy NPP's own funds (more than 98 %) and by external funds (1.5%).

The major share of investment expenditures, 73 percent, goes to modernization projects for Units 5 and 6. This is where the main part of long-term assets will be allo-

cated - mainly machines and equipment.

Another part of the program will cover the construction of the Dry Spent Fuel Storage as well as the Switch Yard of Kozloduy NPP.

Investment Division

The Investment Division is the responsible company unit in charge of the Investment Program. A team of experts is in charge of the whole program. They plan and coordinate the various activities in regard to the acquisition of long-term assets. The experts also supervise the expenses in the process of project realization.

The experts need to know in detail the legal documents in order to allow construction works, to prepare documentation, and to supervise all activities.

Qualified personnel

67 people work at the Investment Division now. 68 percent have university degrees, 29 percent have graduated from vocational schools, and 3 percent have high school diplomas. The experience of these specialists is of a great value for the analysis and the evaluation of the project documentation regarding the new power plant in Belene. The construction of the Belene NPP will require a high level of expertise in the field of investment control.

Students present a medal to KNPP

Kozloduy NPP sponsors young physicists

A group of students and teachers from Sofia and Belene visited Kozloduy NPP on February 28. They came at the invitation of Mr Ivan Ivanov, Executive Director, who met the guests. The students gave KNPP the medal they received at the World Meeting of Young Physicists which took place in Taipei, Taiwan. The group of Bulgarian students took part in this meeting in January after receiving financial support from Kozloduy NPP.

The students who went to Taipei were selected among many to present the country in the worldwide competition "Searching Talents in Physics."

Kozloduy NPP has a long-term policy of encouraging young people's interest in physics and engineering so as to maintain the knowledge and professional experience accumulated in 30 years of nuclear industry development.

Radio programs largely approved by staff

The regular radio program of the Kozloduy NPP's Information Center is approved of by a large number of people, according to a recent poll in the company. The regular broadcasts started in August 2005 and have been a major means of information dissemination ever since.

The PR team of specialists prepares three daily broadcasts containing news about current events, management decisions, vacant positions, safety upgrades, international news in the nuclear industry, health information, etc.

Every other person in the poll said the broadcasts were a convenient form of news dissemination about the company. Most of the people said the program prop-

erly covered the everyday events. They proposed that new programs be included in the broadcasts such as commentaries and polls about essential topics.



Kozloduy, Energy, Nature

Kozloduy NPP announced for a fifth year in a row a National Drawing Contest for Children "Kozloduy, Energy, Nature." The competition is open for children age 6 to 15, and the drawings will be classified in three age groups: 6-8, 9-11, 12-15 years of age. Maximum size of drawings should be 35 x 50 cm. Small plastics should not be higher than 30 cm. Participants should include name and last name, age, address, phone number, and name of teacher (for drawing schools applications). Deadline: April 20, 2006. Find out more on www.kznpp.org.

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