



# KNPP REVIEW

## FOCUS



### KNPP 2009 RESULTS IN THE MASS MEDIA FOCUS

Journalists from twenty central and fifteen regional mass media attended the regular annual meeting with the management of Kozloduy NPP Plc. that was conducted on 12<sup>th</sup> February 2010. The Executive Director of Kozloduy NPP Dimitar Angelov presented the main priorities in the management policy and the results achieved in all aspects of the Plant activities in 2009. The excellent operational indicators of the 1000 MW Units were outlined as the main achievements of the plant workers in 2009:

- ◆ stable and reliable operation of nuclear facilities without downtimes;
- ◆ implementation of the annual electricity generation plan amounting to 14 998 080 000 kWh as early as on 26<sup>th</sup> December and reaching 15 255 797 500 kWh by the end of the year nevertheless the dispatcher's restrictions in the summer period;
- ◆ 36% share of the Company in the national electricity generation;
- ◆ good results from the responsible social policy in

terms of human resources management;

- ◆ and as a logical consequence of the above-mentioned – stable financial condition and successful implementation and achievement of KNPP Business Programme indicators.

In the presentation and in all the discussions it was emphasized that management policy is founded on the continuous safety enhancement as an absolute priority above all other activities. In response to the serious interest of the mass media the discussion took twice more time than the planned duration which is another confirmation of the management policy of openness and transparency.

The meeting was attended by the management team:

**Kostadin Dimitrov** – Member of the Board of Directors and Chief Accountant;

**Yantcho Yankov** – Director, Production;

**Mitko Yankov** – Director, Safety and Quality;

**Georgi Kirkov** – Director Finances and Budget;

**Julieta Tosheva** – Head, Administration and Control;

## PARTNERSHIP

### KNPP PARTICIPATION IN A IAEA NATIONAL PROJECT



A national project BUL/0/009 “Managing of workforce flow and the risk of nuclear knowledge loss” was started in 2009 aimed to establish a system for knowledge retention and management. It is coordinated by Kozloduy NPP Plc and will be concluded in 2011. Meetings and workshops were organized in April and December 2009 in accordance with the project programme. A preliminary assessment of the measures taken to establish a system for nuclear knowledge preservation was made at the meeting with the International Atomic Energy Agency (IAEA) in April. The goal was to introduce the KNPP team to the knowledge management concepts, tools and methodologies developed in this area by IAEA.

Two task forces have been established to perform the activities on the project: “Development of policy and strategy for knowledge management” and “Development and application of methods and tools for assessing the risk of nuclear knowledge loss”.

The December workshop that was conducted at the Training Center of the Plant and the KNPP office in Sofia, was attended by IAEA experts and representatives from KNPP, BULATOM, NEK, Belene NPP, ISUNE, SERAW, Technical University - Sofia and Sofia

University. The participants were informed about the knowledge management competences, the main point and the establishment of organizational culture and application of information technologies in the knowledge management processes. The participants from nuclear sector companies and organizations presented their achievements in the different aspects of personnel

management. The Universities presented the measures undertaken and the efforts invested to arouse the interest of the young generation to nuclear power engineering specialties thus preparing workforce for the sector.

Five more workshops are planned within this project i.e. “Knowledge mapping”, “Identifying the key points of the corporate memory”, “Definition and storage of corporate memory”, “Providing methodology assistance by IAEA”, “Popularization of the results achieved and application in other plants”.

The implementation of this project will make the establishment of a system for knowledge preservation and management possible in KNPP. It will ensure the retention of human resources for the safe and reliable operation of Units 5 and 6 and will facilitate the transition of KNPP from Operations to Decommissioning of Units 1-4 and will reduce the social impact of this process. It is also anticipated that positive effect will be multiplied in other organizations within the nuclear power area.

Knowledge management is an integrated, systematic approach to identification, capture, transformation, development, utilization, sharing and preservation of knowledge related to the achievement of specific aims.

## PARTNERSHIP

### THE 10<sup>TH</sup> WANO GENERAL ASSEMBLY

From January 30<sup>th</sup> to February 7<sup>th</sup> 2010 Delhi, India hosted the 10<sup>th</sup> General Assembly of the World Association of the Nuclear Operators (WANO). The Assembly is a biennial event, attended by senior nuclear power plants executives and decision makers from across the world. The theme of the meeting this time was “Moving Forward Safely in a Changing World”. Bulgaria was presented by Dimitar Angelov – KNPP’s Executive Director. A new president was elected for the next two-year term. The honorary position was voted to Quan Zhimin – Chairman of the Board of the China Guangdong Nuclear Power Holding, Co, Ltd.

The meeting, that gathered together more than 400 experts from all over the world reported that a considerable progress has been made in the nuclear industry throughout all these 20 past years since it was formed.

In his speech Laurent Stricker, WANO Chairman, emphasized that nuclear industry has made great progress in safety and reliability and that all major programmes are being widely used as a resource by WANO members and with the nuclear revival under-

way there is the need to maintain this momentum and safety record.

L. Stricker also said: “Nuclear power has an important role to play in our planet’s future as more and more countries turn to nuclear energy as a sustainable source of electricity.” said Mr Stricker. ‘And WANO has an important role to play to ensure safe nuclear power.’ ‘A nuclear renaissance is underway. It is time for change, for a WANO renaissance, for a re-commitment to the principles that underpin this vital organization.’

Attendees were informed that WANO has now met one of its key milestones: every commercial nuclear plant in the world has received a WANO peer review. In addition, the use of technical support missions, seminars, and workshops to address plant performance issues remains strong, as is the exchange of information among stations. .

The attendees also heard from Dr Rajendra Kumar Pachauri, Chairman of the Intergovernmental Panel on Climate Change. He underlined the environmental imperative to mitigate harmful emissions to help combat the effects of global warming, and discussed the potential for an expanded role for nuclear energy. Pierre Gadonneix, Chairman of the World Energy Council, emphasized the importance of nuclear safety in ensuring nuclear’s place in the future energy mix.

### WANO TECHNICAL SUPPORT MISSION



A Technical Support Mission of the World Association of Nuclear Operators (WANO Moscow Centre) was conducted at Kozloduy NPP, February 22 - 25, 2010. The main topic of the mission was

“Methods to analyze events focused on the organizational factor. Trend analysis”.

The World association was presented by Eduard Volkov – Director of the “Prognoz” scientific and research centre, Vladilena Abramova – scientific adviser at the same centre, Andrey Nossov – WANO (MC) adviser, Anatoliy Glazunov – Ignalina NPP, Lithuania, and Robert Tomlinson – the American Institute of nuclear power operation (INPO). The mission was requested by the Kozloduy NPP and almost 30 KNPP experts were in-

involved in the activities. On behalf of the Kozloduy NPP the mission was coordinated by Ivan Andreev – Head of Control and Analyses department and Vesselin Nikolov – Head of Operational experience and self-assessment indicators sector.

# OPEN TO THE WORLD

## INSURANCE EXPERTS ON A VISIT TO KOZLODUY NPP

On February 17<sup>th</sup>, 2010 representatives of the Energy Insurance and Reinsurance Company made their regular visit to KNPP. After the comprehensive discussions with KNPP Executive Director Dimtar Angelov, Safety and Quality Director Mitko Yankov, Production Director Yanko Yankov, Financial and Budget Director Georgy Kirkov, the business guests made their walkdown to the operational Units as well as to the closed units to meet in person Head of Departments, line managers and employees to talk to and to collect impressions of their own. Peter Koman, who in his capacity of an independent supervisor performs more than 100 inspections a year on



site of power plants worldwide, was evidently satisfied with the modernizations and modifications as implemented, concerning fire prevention and fire protection, the arrangements and procedures developed and enforced.

## WORLEY PARSONS MANAGEMENT TEAM IN



On January 12<sup>th</sup>, 2010 the management team of Worley Parsons paid a visit to Kozloduy NPP. The experts led by the Director General on Power Engineering **Mark Trueman** had a meeting at the Information Center with the plant management. Mr. Nayden Naydenov – Chief Process Engineer in Engineering Support Department presented the Modernization Programme implemented at Units 5 and 6.

## ENGINEERING CHEMISTRY SECTION WITH A CERTIFICATE OF ACREDITATION



The Engineering Chemistry Section at EP – 1 in Kozloduy NPP was accredited by the Bulgarian Accreditation Service as a laboratory for testing and calibration. The section is accredited under BSS EN ISO / I E C 17025:2006 and in compliance with ISO 9001. The certificate

issued is valid until 31.12.2013, and entitles the laboratory to perform:

- ◆ Testing of products and sampling of solutions of metals, alloys, corrosion products, depositions on metal surfaces of the technological equipment, water samples of the workflows in NPP, TPP, HPP etc.
- ◆ Calibration of devices for measuring the chemical composition.

The accreditation is a way of official, independent and authoritative certification of high level of competence, impartiality and respectability of the Engineering Chemistry Section while carrying out their testing and calibration activities. In line with the accreditation scope applications for performing activities both on-site and off-site are accepted. The results received are valid and acknowledged at national and international level.

## *SPORTS AND ARTS*



**“NUCKIDS” PARTICIPANTS IN THE RED SQUARE IN MOSCOW**

The first performance of the “NUCKIDS” musical film, with the participation of children coming from nuclear towns in Russia, Ukraine and Bulgaria was shown on January 14<sup>th</sup> in the Kozloduy NPP House of culture. Our country was presented by five girls of the “Robinson” amateur vocal group at the Culture house conducted by Lyudmila Alexieva..

The unique show was produced on stage in Moscow in the summer of 2009 after the idea and with the support of the Rosatom State Enterprise. More than fifty teenagers from the three countries accepted the challenge and most successfully, just in a couple of weeks came to excellence performing the live musical show. The first to see and enthusiastically appraise the performance were authorities of a selected circle of spectators in Moscow and Kiev. The filmed version of the performance was for the first time in Bulgaria shown in Kozloduy.



**“NUCKIDS” MUSICAL PREMIERE IN BULGARIA IN JANUARY 2010**

***WE ARE ON  
THE WEB!***

***www.kznpp.org***

### **CONTACT US**

We look forward to hearing your views.  
Please feel free to contact us.

**Kozloduy NPP Plc**

**Kozloduy 3320**

**Bulgaria**

**International Programmes Department:**

**Phone: +359 973 7 61 28;**

**+359 973 7 35 71**

**E-mail: [rdstoyanova@npp.bg](mailto:rdstoyanova@npp.bg)**

**[sdmedjedeliev@npp.bg](mailto:sdmedjedeliev@npp.bg)**

***Edited by: International***