Workshop on the coal value chain

Efficient coal mining & processing, underground coal gasification, clean coal technologies and CCS

with participation of the Directorate General for External Relations and the Directorate General for Energy of the European Commission

Dates: 30 September – 1 October 2010
Venue: Astana, KAZAKHSTAN

Summary: According to clause 3 of the EU-Kazakhstan cooperation events plan for the second half of 2010, the European Union and the Ministry of industry and new technologies of the Republic of Kazakhstan shall hold a workshop on clean coal production and processing technologies as well as mine methane production and utilization. On the second day of the workshop, its participants shall visit the city of Ekibastuz to meet with representatives of Bogatyr Komir Ltd and GRES-2.

Day One: Tuesday, 30 September 2010

10:00 – 12:45 – Workshop opening: general review, purposes and objectives

Participants: representatives of the European Commission, technical directors and senior engineers of coal and energy plants, representatives of the Ministry of industry and new technologies of the Republic of Kazakhstan
Venue: Ministry of industry and new technologies of the Republic of Kazakhstan, 7th floor, room 704, conference hall
Languages: Russian and English

9:00-10:00	Registration of participants
Moderators:	KAZAKHSTAN: **Mr. Vladimir Klyakin**, Deputy Director of Power and Coal Industry Department, Ministry of industry and new technologies of the Republic of Kazakhstan EU: **Ioannis Samouilidis**

10:00-10:05	Workshop opening. Welcoming address: KAZAKHSTAN: **Mr. Zhakyp Bokenbaev**, Director of Power and Coal Industry Department, Ministry of industry and new technologies of the Republic of Kazakhstan
10:05-10:10	Welcoming address by Head of EU Delegation to Kazakhstan, Ambassador **Norbert Jousten**
10:10-10:30	EU Energy Policy. 1 presentation. "The role of coal in the European energy policy". *Reports by:* **Mr. Ioannis Samouilidis**, Policy Officer, European Commission
10:30-10:50	Coal and electric energy industry review: **"Coal mining and beneficiation".** Report by: **Mr. Vladimir Klyakin**
10:50-11:20	"State of the art mining technologies in Europe – focus on high ash coal and high coal mine methane levels". Report by: professional engineer, **Mr. Henning Ranft**, Technical University of Aachen.
11:20-11:50	"The potential for Underground Coal gasification". Report by: **Mr. Jan Palarski**, Silesian Technological University, department of mining engineering
11:50-12:10	Discussion
12:10-13:30	Lunch

13:30-18:00 – Continuation of the workshop

	"Coal fired power plant technologies": 4 presentations + discussion
13:30-13:50	"Status and future plans for the Coal-fired power plant park in Kazakhstan". Report by: **Mr. Askan Smailov**, head of power industry section, Power and Coal Industry Department, Ministry of industry and new technologies of the Republic of Kazakhstan
13:50-14:10	"Best practice of modern coal fired power plants". Report by: **Dr. Jens Reich**, Evonik
14:10-14:40	"Advanced Pulverised Combustion power plants in Europe and CCS applications". Report by: **Dr. Matthias Jochem**, Head of Sales & Proposals; Hitachi Power.
14:40-15:00	"Integrated Gasification Combined Cycle (IGCC) solutions in Europe". Report by: **Mr. Ilya Solovev**, Commercial Director for General Electric Gasification
15:00-15:20	Discussion
15:20-15:50	Coffee break
	"Emissions from coal-fired power plants". 3 presentations + discussion

15:50-16:05	"Regulations in Kazakhstan". Report by: **Bizara Dosmakova**, Ministry of Environment of the Republic of Kazakhstan
16:05-16:20	"EU regulations". Reports by: **Dr. Marion Wilde**, Policy Officer, European Commission
16:20-16:50	Presentation of Best Available Techniques Reference Document Large Combustion Plants. Report by: **Dr. Evangelos Tzimas**, Action leader; Joint Research Centre; European Commission
16:50-17:10	Discussion
17:10-17:40	Workshop's final conclusions. By representatives of EU and Kazakhstan
17:40-18:00	Workshop closure. Planning a visit to Ekibastuz
18:30	Dinner

Day Two: Friday, 1 October 2010

Study tour
to the coal mine and coal power plant in Ekibastuz

Summary: visiting observation decks at Bogatyr Komir Ltd, the largest coal mine in the world, and GRES-2, a modern power plant in Ekibastuz, KAZAKHSTAN

9:00	Departure of workshop participants from Comfort hotel for Ekibastuz by bus
12:30	Arrival of workshop participants in Ekibastuz
12:30	Visit to an observation deck at the Bogatyr Komir coal mine
14:00 – 15:30	Lunch
15:30	Visit to GRES-2
18:30	Departure of workshop participants for Astana