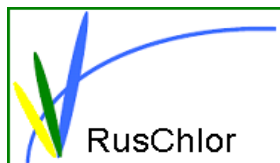


ASSOCIATION OF THE CHLOR-ALKALI INDUSTRY

P R O G R A M M E
**RusChlor's eighth international scientific-and-technological
conference**
**“Challenges faced by the chlor-alkali and chlorine derivatives
industries: Modernization, Safety, and Ecology”**

December 03 through 04, 2013
Moscow

Arrangers of the conference:



Association of the chlor-alkali industry

With the assistance of:



**Ministry of Industry and Trade of the Russian Federation;
Chemical-Technological and Bioengineering Department**



**Federal Service for Ecological, Technological, and Atomic
Supervision**



Russian Chemists Union

09.00-09.40 Registration of the Participants

09.40-10.00 Opening of the Conference

Welcome Address

Mr. S. Tsyb

Deputy Minister, Ministry of Industry and Trade of the Russian Federation

Mr. V. Ivanov

President; Federation "Russian Chemists Union"

Mr. E. Azizov

President; Association "Ruschlor"

**First Bundle
of Themes**

**CURRENT SITUATION OF THE CHLOR-ALKALI SUBINDUSTRY
as seen against the background of THE NECESSITY FOR
PROVIDING FOR ITS SUSTAINABLE DEVELOPMENT**

10.00-10.40

**National development strategy for the Russian chemical industry
through to 2030 subject to considering the chlor-alkali subindustry as
the base**

Mr. S. Tsyb

Deputy Minister, Ministry of Industry and Trade of the Russian Federation

Mr. V. Ivanov

President; Federation "Russian Chemists Union"

Mr. A. Idrisov

Managing Partner; Strategy PARTNERS Group

10.40-11.20

**The Technical Policy's implications for the further development of the
chlor-alkali and organochlorine products industries in the Russian
Federation**

Mr. E. Azizov

*President; Association "Ruschlor"
Director General; Moscow LLC "Nikokhim", the Russian
Federation*

Ms. N. Pinigina

*Director General; Bashkerian OJSC "SODA", the Russian
Federation*

11.20-11.40

**The present state of the production of the organochlorine products: the key-
tasks that need to be solved first in heightening the production's both degree
of technological sophistication and competitiveness.**

Mr. Yu. Treger

*Director General; Moscow Limited Liability Company "RDE
'Sintez", the Russian Federation*

11.40-12.00 Coffee break

- 12.00-12.40** OUTCOMES of the reform of the system for the technical-and-normative regulation and supervision over the hazardous industrial facilities
- *Review of operation of recently amended Federal Law No. 116-FZ of April 04, 2012 "On Industrial Safety of Hazardous Production Facilities"*
 - *The concepts under which draft National Standards "Rules for safe handling chlorine and sodium hypochlorite" have been developed*
 - *Present day operational practice of both the expert examination and certification procedures performed for the equipment and machinery designed to function at the hazardous productive facilities*

Mr. G. Seleznev

Director-General; General Industrial Supervision Directorate at Federal Service for Ecological, Technological, and Atomic Supervision (ROSTEKHNADZOR);

Mr. B. Yagud

Executive Director; Association "RusChlor", the Russian Federation

Mr. N. Vasiliev

Head of Certification Department; LLC "Scientific and Productive Enterprise 'Chemical Safety'"

Second Bundle of Themes

THE ENGINEERING, CONSTRUCTION, MODERNIZATION, AND COMMISSIONING PROJECTS CARRIED OUT FOR THE BRAND-NEW PRODUCTION FACILITIES: THE ACHIEVEMENTS AND SETBACKS

- 12.40-13.10** Reconstruction of the chlor-alkali production plant as illustrated by the model-case project carried out at OJSC "Sayanskkhimplast"

Mr. J. Engelmann

President; "Chemieanlagenbau Chemnitz GmbH", Germany

- 13.10-13.40** Mercury and diaphragm technology: De Nora ecological solutions to minimize power consumption and to increase components lifetime. Results achieved in the Russian market

Mr. R. Bertin

Chlor-Alkali leader, Spare Parts & Services; INDUSTRIE DE NORA SPA, Italy

13.40-14.00 Experience gathered in both designing and commissioning the brand-new production facilities for chlorine and sodium hypochlorite.

Mr. A. Nefedov
Irkutsk LLC "Giprokhlor", the Russian Federation

14.00-15.00 Lunch time

15.00-15.30 Uhde/ UHDN Membrane Technology Meeting Tomorrow's Challenges of the Chlorine Industry

Dr. K. Noeres
Vice President and Deputy Director General, Chlor-Alkali equipment; ThyssenKrupp Uhde, Germany

15.30-16.00 Advantages of the preassembled skid-mounted chlorine production plants

Mr. A. Zimmermann
Director General; UHDENORA S.p.A, Germany

16.00-16.20 Self-contained membrane-cell facility for production of chlorine

Mr. E. Novichkov
Director; Dzerzhinsk LLC "Group of Companies 'Spetsmash'"

16.20-16.40 The low concentration solution of sodium hypochlorite: the design engineering, production, and use under the economical and ecological constraints

Mr. L. Fesenko
Director General; Novochoerkassk LLC "Scientific-Production Association 'EKOFES'", the Russian Federation

16.40-17.10 Safe Operation and Predictive Maintenance of Membrane Cells with EMOS

Mr. M. Carvalho
Production Director; R2 INC, Canada

17.10-18.00 Summing up the first day's outcomes

18.00-20.00 Walking dinner

Third Bundle of Themes MODERN MATERIALS, TECHNOLOGIES, AND EQUIPMENT FOR USE BY THE CHLOR-ALKALI INDUSTRY

9.30-10.00 Blue Star Advanced Membrane Electrolyzer Technology

Mr. Zhou Jianguo
"BlueStar (Beijing) Chemical Machinery Co., Ltd.",
China

10.00-10.30 Poly-Di-CycloPentaDiene: 30 years of experience as a material for chlorine production systems

Mr. S. Misrachi
Chem-Tech Engineering srl, Italy

10.30-11.00 Safety Aspects of Chlorine Ton Containers

Mr. P. Sunder
ISGEC Heavy Engineering Ltd, India

11.00-11.30 Coffee break

11.30-12.00 Efficient equipment for production of the caustic soda followed by evaporation of the electrolytic alkalis, refrigeration of the evaporated compound, and removal of the sulphates.

Mr. V. Ronkin
Ekaterinburg Closed JSC "Scientific and Productive
Enterprise 'Mashprom", the Russian Federation

12.00-12.30 The state-of-the-art engineering decisions taken in the field of the pipeline transportation of chlorine and the chlorine-containing substances

Ms. O. Bogdanova
Moscow LLC "Glinved", the Russian Federation

12.30-13.00 Experience gathered and achievements made by BS&B Safety Systems in servicing the chlor-alkali industry

Mr. A. Lavrov
BS&B Safety Systems Ltd., Ireland;

13.00-14.00 Lunch time

14.00-14.30 **Safety of the chlorine storage tanks through the use of the Descote-made valve**

Mr. G. Dipietra
Descote, France

14.30-15.00 **System Fundabac[®] is a novel filtration system for brine purification**

Mr. M. Pfeifer
Dr. Mueller AG, Swietzerland

15.00-15.30 **Enamel-lined equipment for use by the chlor-alkali industry**

Ms. G. Golombek
Thaletec GmbH, Germany

15.30-16.00 **MECS Brink Mist Eliminators for the Chlor-alakli Industry**

Mr. S. Daniel
DuPont Clean Technologies- Mecs, Belgium

16.00-16.30 **Portable, wireless leak detector for use in bulk transportation of chlorine over the railway**

Mr. A. Lyubyanitski
Xmetra OU, Estonia

16.30-17.00 **Discussion of the presentations delivered followed by a summation of the conference's outcomes**