



Effective assistance in implementation of EU environmental and chemicals legislation within companies committed to Responsible Care

**Association of Chemical and Pharmaceutical Industry
of the Slovak Republic**

Silvia Surová

High Tatras, 15-16 November 2007

Organisation structure



President

Ing. Roman KARLUBÍK, MBA

Vicepresident

MUDr. Alexander ČERNÁK, PhD.

General Secretary

Ing. Štefan PETKANIČ

Membership in Organization



Association of Unions and Organizations
of Employers of the Slovak Republic



CEFIC - the European Chemical Council



Center for improvement of Chemical and
Pharmaceutical industry



European Chemical Employers Group



Task Groups



Task Groups:



**Responsible Care
Implementation IPPC
REACH
Negotiation with Trade Unions
DINS and Logistics**



Sectors - membership

- * **Pharmaceutical production**
- * **Production of chemicals**
- * **Tyremaker**
- * **Research institutes**
- * **Distributors of chemicals**
- * **Producers of paints**
- * **Trading and organisation of fairs**

Responsible Care

- * **RC Slovakia - brief description and history**
- * **Main tasks**
- * **Results of RC Performance Reporting in Slovakia**

History

- * **1996 Launching RC**
 - **Approving Principles by the Board**
 - **Signed by CEOs**
 - over 70% companies
 - over 90% total turnover
- * **Establishing Working Group RC**
- * **Committee RC**



RESPONSIBLE CARE

- * **Principles**
- * **Codes**
- * **Indicators of performance**
- * **Communication**
- * **Mutual exchange of experience**
- * **Name and logo**
- * **Encouragement**
- * **Verification**

Responsible Care Commitee

- * **Ing. Bachratý Róbert, Chemolak a.s. Smolenice**
- * **Ing. Bucko Miroslav, Zentiva a.s Hlohovec**
- * **Ing. Bučková Mária, Istrochem a.s. Bratislava**
- * **Ing. Klačanský Ladislav, NCHZ a.s. Nováky**
- * **Ing. Kvasnica Marián, Matador a.s Púchov**
- * **Ing. Mako Jozef, Duslo a.s. Šaľa**
- * **Ing. Surová Silvia - Coordinator**

RC main issues

- **Responsible Care - with support of CEFIC and CIA**
- **Safety in Transport of Chemicals -ADR - TREMCARDS**
- **EMS - Responsible Care and ISO 14001**
- **New Act on Chemical Substances and Preparations**
- **New Act on Waste**
- **Launching DINS - Transport Emergency Response System in Slovakia - within the frame of ICE**
- **Implementation of IPPC**
- **Product Stewardship - REACH**
- **EMAS**
- **POPs, Precursors, VOC**



Benefits of Responsible Care

- * **Co-operation in implementation of new environmental and chemical legislation harmonised with EU legislation**
- * **Chemical industry as a respectable partner for Authorities, aiming at HSE performance improvement**



Activities in 2006

- * **Regular Responsible Care Seminars**
 - **June 2006, December 2006**
- * **Trainings**
- * **Conference**
- * **Updating web page**
- * **Global Charter - signed in May 2006**



Activities in 2006

- * **April 2006**
- * **Series of trainings on**
 - **REACH**
 - **Testing**
 - **RIPs**
 - **Product Stewardship**
 - **and Global Charter Responsible Care in Central, Eastern, Western Slovakia**



Activities in 2006

- * **June 2006**
- * **Responsible Care Seminar**
 - **Main topics:**
 - **Responsible Care Management Framework**
 - **Status of IPPC Permits in member companies**
 - **Drug precursors**
 - **Weapons precursors**
 - **Current status of REACH / preparation in Interim period**

Activities in 2006

- * **Conference in Liptovsky Jan - the Low Tatras**
- * **CHEMIA 2006**
- * **27-29 September 2006**
- * **Three sections:**
 - **Trade policy - VCI, CEFIC**
 - **Social dialog**
 - » **Trade Unions, Responsible Care, REACH**
 - **Management and Legislation of Chemicals**

Activities in 2006

- * **December 2006**
- * **Responsible Care Seminar**
 - **Main topics:**
 - **Responsible Care- Management Framework- selfassessment QandA - Cefic**
 - **Preregistration in REACH**
 - **RC and REACH in Czech Chemical Association**



Activities in 2007

- * **Seminar Product Stewardship and REACH**
 - Šoporňa
 - 20 March
 - Product Stewardship
 - REACH
 - Preregistration
 - Consortia



Activities in 2007

- * **WG formation (Waste, Air, Water, CO2...)**
 - Ministry of Environment
 - ZCHFP SR
 - ZPS

Activities in 2007

- * **Seminar Product Stewardship**
- * **Bešeňová**
 - **8 June**
 - **Global Product Strategy**
 - **REACH**
 - **IUCLID 5**
 - **Data sharing**
 - **GHS**

Activities in 2007

- * **Conference in Liptovsky Jan - the Low Tatras**
- * **CHEMIA 2007**
- * **26-28 September 2006**
- * **Three sections:**
 - **Trade policy and competitiveness**
 - **Safe management of Chemicals**
 - » **Trade Unions, Responsible Care, REACH**
 - **REACH**

Selfassessment

- * MATADOR a.s., Púchov
- * ZENTIVA a.s., Hlohovec
- * DUSLO a.s., Šaľa
- * VÚCHV a.s., Svit
- * NOVÁCKE CHEMICKÉ ZÁVODY a.s., Nováky
- * MESSER SLOVNAFT s.r.o., Bratislava
- * ISTROCHEM a.s., Bratislava
- * Sloveca Sasol a.s., Nováky

Indicators of Performance RC

- * Environment
- * *Emissions to air*
 - NO_x
 - SO_x
 - VOC
 - solid particles
- * *Emissions to water*
 - COD
 - BOD
 - N, P
 - non-soluble particles

Indicators of performance RC

* **Waste management**

hazardous waste
other waste

* **Health and safety**

fatalities

LTIR - lost time injury frequency rate, expressed as cases per one million worked hours

* **Consumption of natural resources**

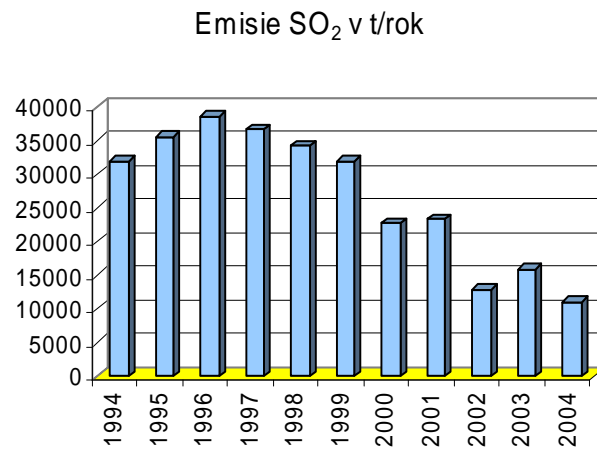
Energy GJ

water m³

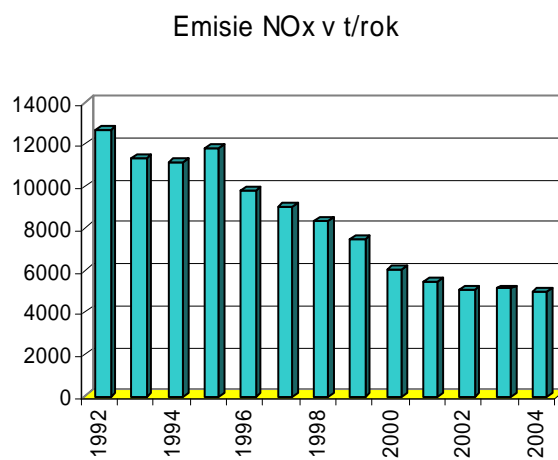
ISO 14 001

- * **MATADOR a.s., Púchov**
- * **SLOVNAFT a.s., Bratislava**
- * **ZENTIVA a.s., Hlohovec**
- * **DUSLO a.s., Šaľa**
- * **CHEMOLAK a.s., Smolenice**
- * **CHEMKO a.s., Strážske**
- * **SLOVENSKÝ HODVÁB a.s., Senica**
- * **VÚCHV a.s., Svit**
- * **TRANSPETROL a.s., Bratislava**
- * **NOVÁCKE CHEMICKÉ ZÁVODY a.s., Nováky**
- * **PETROCHEMA a.s., Dubová**
- * **MESSER SLOVNAFT s.r.o., Bratislava**
- * **ISTROCHEM a.s., Bratislava**

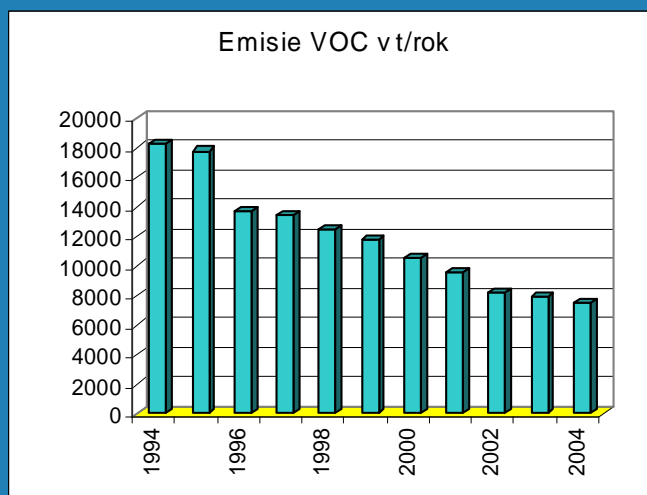
SO₂ Emission



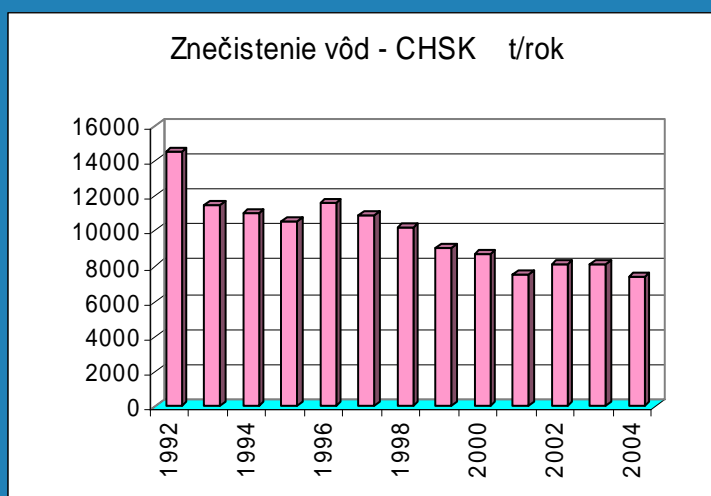
NO_x Emission



VOC Emission



COD



Responsible Care - Global

*** Responsible Care - Global**

- **52 national chemical industriars -ICCA**
- **Over 87% world production**
- **peer review proces (SK in 2000 in Lisbon)**
- **dialog with ICEM on common issues**
- **self-assessment and verification**
- **Launching Global Charte – Dubai, February 2006**
- **www.icca-at-dubai.org**

Responsible Care - SMEs

- * Survey from 2003:**
- * over 5000 RC companies - CEFIC**
- * 67 % RC companies (<250 employees)**
- * 11 % RC companies (<10 employees)**



Support of SMEs

- * **Consultancy in implementation of EU**
 - **chemical legislation**
 - **environmental legislation**
- * **Organisation of seminars**



REACH - impact on SMEs

- * **The main companies affected are in the fine and speciality sector**
- * **10-40% of substances produced in quantities in the tonnage range 1-100 t per year is at risk**



Product stewardship

- * **tool how to prepare for new chemicals legislation**
- * **identification of common features:**
 - **downstream users**
 - **risk assessment**
 - **quality of SDS**
 - **compilation of all available data**



REACH Capacity for Testing in Slovakia

**Several seminars – Product Stewardship -
dissemination information on new
Chemical legislation REACH**

Testing capacities

GLP and accredited laboratories – possible capacities for REACH testing in Slovakia

- * **VUP a.s., Prievidza**
- * **VUSAPL a.s., Nitra**
- * **VUCHT a.s., Bratislava**
- * **VUCHT a.s., Žilina**
- * **VULM, Modra**
- * **SZU, Bratislava**
- * **Ekotoxikologické laboratóriá, Ivánka pri Dunaji**

REACH

- * **Establishment REACH Centrum Slovakia**
- * **Regular consultations of member companies**
- * **Working Group for REACH,**
 - **For all Industry established at our Association**
 - **Agreement with the Ministry of Economy**

Achievements of RC in SR

- * **Good perception by Authorities**
- * **Mutual contacts and platform for sharing information and good practices**
- * **Support for EMS implementation**
 - 12 RC companies are certified under ISO 14 001
 - 3 - Integrated management system HSE-Q
 - EMAS: Matador
- * **Support and co-operation with SMEs**

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Zodpovedná starostlivosť

Responsible Care Slovakia

www.rcsk.sk