

SEMINAR ON THE DEVELOPMENT OF THE INTERNATIONAL CENTRE FOR CHEMICAL SAFETY AND SECURITY

27-28 October 2011

Tarnow, Poland

Background, Objectives and Expected Outcomes **About the International Centre for Chemical Safety and Security**

Tentative Programme

Registration Form

Meeting Information for Participants

I. INTRODUCTION

- 1.** For the fast development of chemical industry worldwide and for global access to chemicals, the safety and security of manufacturing and supply chain of chemicals become a priority for all the relevant stakeholders, including government, chemical industries and communities where chemical activities are conducted, science and academia.
- 2.** There is a growing understanding among Governments, international organisations, non-governmental organisations and specialized companies on the need to explore synergies for capacity building under national and international initiatives and activities to increase chemical safety and security. There are also calls for enhanced cooperation and coordination of relevant activities in these spheres between all the relevant stakeholders.
- 3.** The seminar will address the need to improve the level of preparedness of States Parties against deliberate releases of toxic chemicals, as well as to prevent and prepare for attacks on chemical installations. It will address the need to effectively coordinate the activities of national agencies and the support by the international community in improving the preparedness for, prevention of, and response to such attacks.
- 4.** The seminar will address the core aspects of chemical safety, including the promotion of green chemistry and of Responsible Care® – chemical safety for small enterprises, safety management in chemical industry, sharing lessons learned from chemical safety from incidents and accidents, and discussing issues related to chemical safety management – emergency planning and response.
- 5.** The seminar will promote the practical development of the OPCW as a global platform to promote cooperation for the prevention of and preparedness against the misuse of toxic chemicals, as well as response capabilities and enhancing awareness, training and best practices in chemical safety and security.

II. BACKGROUND

1. Poland actively participates in the international efforts to promote peace and international security, including safety and security in the domain of Chemical, Biological and Nuclear materials. Poland has supported the activities of international bodies, including the Organisation for the Prohibition of Chemical Weapons (OPCW) in The Hague, to implement all the provisions of the Chemical Weapons Convention. Poland also actively supports the OPCW in enhancing chemical safety and security as an important element in promoting universal adherence to the Convention, achieving chemical disarmament, enhancing chemical non-proliferation, and international cooperation in peaceful uses of chemistry.
2. As the leading international organisation devoted to preventing the hostile use of toxic chemicals, and with close ties to the chemical industry, the OPCW is well-placed to serve as a meeting ground for governments and industry to discuss chemical security. The OPCW develops its role as a platform for raising awareness, disseminating best practices, as well as training and promoting the exchange of ideas and expertise, in order to support the safe and secure production, transportation and storage of chemicals.
3. Since the late 1920s, Tarnow has been a leading centre in Poland in the field of the development of chemical technologies and production of chemicals, scientific research, and cooperation among professionals in chemistry. A number of technologies have been successfully developed in Tarnow and implemented in the disposal of chemicals applied in military programmes, including chemical weapons.
4. Azoty Tarnow, a leading chemical company in Poland, has actively participated in and promoted the achievement of chemical disarmament and non-proliferation. Azoty Tarnow has become a solid partner and a source of knowledge and expertise for the Government of Poland and the Organisation for the Prohibition of Chemical Weapons in The Hague, in promoting and implementing the objectives of the Chemical Weapons Convention.

III. THE CHALLENGE OF INTEGRATED CAPACITY BUILDING

1. The growing security, environmental and public health risks caused by misuse of toxic chemicals, as well as the dangers of their unauthorised use, pose a challenge to the capacities and capabilities of many countries, mainly developing and in economic *transition.
2. Over the last years, a number of international programmes, including Responsible Care and recently Responsible Care Security Code of Management Practices, have been implemented to assist chemical industries to elaborate measures to improve safety and security at chemical plants.

3. At the same time, for many countries and international organisations a significant challenge has emerged: how to integrate implementation of safety and security activities – and related building capacities activities – into a coherent programme of safe and secure management of toxic chemicals.
4. Lessons learned from national, international (WHO) and chemical association projects regarding the support in chemical safety and security indicate the benefits of developing integrated approaches. It is hoped that the focus on integrated approaches will provide all the stakeholders (governments, companies, interested organisations) involved in the process of chemical safety and security with a better understanding of opportunities and challenges, in order to create synergies for capacity building in practice.

IV. SEMINAR OBJECTIVES AND EXPECTED OUTCOMES

1. The overall goal of the seminar is to assist developing or newly industrialising countries to establish/strengthen a collaborative framework at the international level for effective and coordinated action to address both national priorities in chemical safety and security as well as the implementation of international cooperation.
2. The seminar is an important event to initiate in Tarnow a permanent platform/forum for training, discussion and exchange of experiences between international organisations, and national governments and companies to present, learn and develop measures to improve chemical safety and security. The International Centre for Chemical Safety and Security will serve as a centre of excellence in chemical safety and security and the development of national and international networks of chemical safety and security officers in countries and relevant international organisations.
3. The seminar will support the broader efforts to prevent the misuse of CBRN agents in general, in line with UNSC resolution 1540 (2004) and relevant international commitments.
4. **The important goals of the seminar include:**
 - a. To identify lessons learned to date in identifying and implementing synergies for capacity building in international cooperation in chemical safety and security.
 - b. To present national and international experiences and perspectives of joint activities in the sphere of chemical safety and security.
 - c. To identify priorities in developing or newly industrialising countries in addressing the problem of chemical safety and security.
 - d. To create a unique opportunity to present in practice a set of chemical safety and security measures developed and implemented at a leading Polish chemical company.

- e. To support specific activities by the countries and organisations which have the potential to significantly contribute towards the development of national and international programmes in chemical safety and security.
- f. To raise the importance of safe and secure handling of toxic chemicals as an important element in preventing terrorists in acquiring and using toxic chemicals as a means of terror.
- g. To stress the importance of safe and secure handling of toxic chemicals as an important element of sound national policies in the sphere of non-proliferation.

5. What are the expected tangible outcomes of the seminar?

- a. To create a permanent international platform/forum on the exchange of experiences and practical knowledge on safety and security standards and practices and develop a curriculum for training and best practice exchanges in chemical safety and security.
- b. To provide developing or newly industrialising countries with recent international experiences and developments in the sphere of safe and secure handling of toxic chemicals.
- c. To assist in developing documentation/ reference guidelines for procedures (best practices) for the safe and secure handling of toxic chemicals.

6. How will the outcomes of the seminar be achieved, and how will they be measured?

- a. The seminar will start the process of closer cooperation between international organisations, national governments and related companies (referred to as “Partners”) in cooperation in the safe and secure handling of toxic chemicals.
- b. The proposed centre will be a forum for a permanent exchange of knowledge and experience between Partners in the safe and secure handling of toxic chemicals.
- c. An important measurement of the outcomes of the seminar will be an increase of international cooperation and greater involvement of international organisations and companies in the safe and secure handling of toxic chemicals.

7. Relevance of the seminar to developing countries/countries with economies in transition

- a. The seminar is directly devoted to assist developing countries/countries with economies in transition in building capacities for the safe and secure handling of toxic chemicals.
- b. The seminar will create an opportunity to present developing countries/countries with economies in transition with the experiences of the developed countries and international organisations.
- c. A representative of developing countries/countries with economies in transition will have a direct access to relevant experience and practical knowledge on safety and security standards and practices.

V. RELEVANCE OF THE SEMINAR TO THE ACTIVITIES OF INTERNATIONAL ORGANISATIONS

1. The seminar responds to activities by international organisations which provide assistance for countries in need for expertise and material and financial support to sound toxic chemicals management.
2. The seminar also will create an opportunity for international organisations to join a network of international cooperation in the safe and secure handling of toxic chemicals which engages all the stakeholders, including Governments, international organisations, research centres and companies.
3. The seminar will enable international organisations to join the efforts to promote higher national and industry standards and practices for the safe and secure handling of toxic chemicals, including those on preventing unauthorised access and misuse of toxic chemicals. Thus the seminar will promote the development of practical programmes to enhance international security and non-proliferation.
4. By supporting the creation of a centre on chemical safety and security, international organisations will become partners of governments and chemical industry in exchanging experience and providing adequate responses to ensure safe and secure handling of toxic chemicals.

VI. PROGRAMME COMMITTEE OF THE SEMINAR

1. A Programme Committee of the seminar, composed of chemical industry practitioners, government decision-makers, scientists, and international representatives, will serve as an advisory board on the issues related to subjects of the seminar. The tasks of the Programme Committee are to support a sound debate and high level of the deliberations during the seminar.

2. The Programme Committee could serve as a permanent advisory organ for the proposed international platform/forum on the exchange of experiences and practical knowledge for the safe and secure handling of toxic chemicals.

VII. SEMINAR STRUCTURE

1. The seminar will be divided into two parts.
2. During the first part of the seminar, representatives of Poland, national representatives, and international organisations and the chemical industry will have an opportunity to present case studies and experience relevant to the subject of the seminar. The seminar will focus on identifying commonalities and synergies between participants, including governments, international organisations and interested companies in the sphere of the safe and secure handling of toxic chemicals and the safe disposal of toxic chemicals.
3. During the second part of the seminar, Polish experiences in implementing chemical safety and security at chemical plants, including Azoty Tarnow, a major chemical company in Poland, will be presented.

VIII. SUSTAINABILITY

1. The sustainability of the results of the seminar will require that its outcomes will be incorporated into the programme of the international centre on chemical safety and security.
2. Sustainability will also be achieved by building, through the centre, continued contacts among the relevant national stakeholders in the area of chemical safety and security.
3. Sustainability will be promoted by building synergies with and learning lessons from the leading international agencies in the sphere of CBRN safety and security, including the International Atomic Energy Agency (IAEA), the WHO, and the UN in terms of promoting safety and disseminating best practices in the field of safety and security in nuclear and biological materials.

IX. SEMINAR ORGANISATION AND PARTICIPATION

1. The seminar is being organised by the Municipality of Tarnow and Azoty Tarnow, a major chemical plant in Poland, together with the Polish Chamber of Chemical Industry, and with support from the OPCW and international partners. The seminar will be conducted in cooperation with EU institutions and ICCA and CEFIC.
2. The seminar is being actively supported by Polish ministries and agencies and leading academic and research centres in chemical safety and security.

3. The seminar will bring together national authorities and government officials from other relevant ministries and agencies, representatives of the chemical industry and scientific communities, international organisations, agencies and relevant NGOs engaged in developing and implementing measures to strengthen safety and security at chemical facilities and transportation security.
4. The language of the seminar will be English.

X. INVITATION FOR PRESENTATION/CALL FOR ABSTRACT

1. At the seminar a number of papers could be presented to share the experiences of countries, international organisations and companies. The papers may address synergies for capacity-building programmes in the sphere of the safe and secure handling of toxic chemicals.
2. The papers could also be presented for the records of the seminar.
3. Seminar presentations and outcomes will be published.

XI. THE INTERNATIONAL CENTRE FOR CHEMICAL SAFETY AND SECURITY

1. The International Centre for Chemical Safety and Security will serve as a centre of excellence in chemical safety and security and the development of national and international networks of chemical safety and security officers in countries and relevant international organisations.
2. The centre will provide continuity to the international efforts in chemical safety and security and focus on promoting national capacity-building for research, development, storage, production, and safe use of chemicals for purposes not prohibited by the Chemical Weapons Convention and other international agreements, including international health regulations.
3. The centre will serve as a forum for exploring sustainable ways and means of sharing knowledge and best practices to protect chemical plants from potential security threats. In order to prevent the misuse of toxic chemicals, it is crucial to strengthen measures to improve the safety and security of chemical plant sites and transportation of chemicals.
4. The centre will place the OPCW as a platform of support to governments and industry in promoting efforts in the context of chemical safety and security issues. The activities of the centre will cover a broad range of issues related to the peaceful uses of chemistry. General spheres that will be covered at the centre will include international cooperation, chemical safety, and chemical security.

Objectives

5. With regard to international cooperation, the centre will promote issues and national experiences with respect to chemical management and relevant international conventions, innovations in chemistry, and their applications for developing countries; international collaboration in the promotion of centres of excellence in the field of chemistry.
6. With regard to chemical safety, the centre will concentrate on issues related to the promotion of green chemistry, the promotion of Responsible Care® (chemical safety for small enterprises, safety management in the chemical industry, lessons learned in chemical safety from incidents and accidents, issues related to chemical safety and security), and emergency planning and response.
7. In the area of chemical security the centre will offer cooperation in the prevention of and preparedness against the misuse of toxic chemicals as well as in response capabilities, and lessons learned from national and international agencies in providing support to enhance security at chemical facilities and in transportation. The centre will focus on enhancing awareness, training, and best practices.

8. The centre will seek reduction of the chemical threat by offering solutions to limit access to precursors of chemical weapons, toxic industrial chemicals, and dual-use infrastructure, as well as offering expertise while supporting and promoting international scientific collaboration and cooperation.
9. The centre will support international efforts in raising awareness about the nature of dual-use chemicals, promote laboratory best practices and prevent diversion or an accidental release at an industrial chemical facility.

Main areas and functioning

10. The centre will promote chemical safety and security in all aspects and areas of chemical activities:
 - industry;
 - transportation of chemicals;
 - academic activities and studies;
 - scientific research; and
 - laboratory work.
11. The centre will combine and multiply efforts, technical resources and expertise from industry associations, international organisations, national agencies, and NGOs, to achieve chemical safety and security in all aspects/areas of chemical activities.
12. The centre will work closely with international and national partners to identify needs and implement assistance to ensure safe, secure, and sustainable chemical handling practices.

Activities

13. The centre will support chemical industry, chemical industry professionals and academic chemists to focus on the importance of new aspects of chemical safety and security at chemical plants.
14. The centre will encourage international chemical and educational institutions to offer best practices and keep chemical safety and security at the forefront of discussion within the chemistry community.
15. The centre will create a database of existing national and international programmes in the safe and secure handling of toxic chemicals.
16. The centre will:
 - assist national governments to draft chemical facility safety and security standards;
 - offer a chemical safety and security best practices workshop for chemists from industry, academia and laboratories;

- provide chemical industry safety and security best practices training to small and medium-sized chemical companies;
- provide assistance for drafting national chemical facility anti-terrorism standards; and
- develop certified education and training modules for chemical safety and security in all aspects/areas of chemical activities.

Plans for 2012

- 17.** In 2012, the centre will offer training courses for national and international partners, develop course curricula and chemical industry training materials, and expand partnerships and opportunities to cooperate with the chemical industry, academia and laboratories.
- 18.** The centre will operate a website to strengthen national and international networks and support national, regional and international efforts to foster chemical safety and security. The website will offer training materials and will serve as a tool to maintain contact between experts and trainers.
- 19.** The centre will develop an *Information Exchange Mechanism* (using the internet) on best practices in the safe and secure handling of toxic chemicals.
- 20.** The centre will develop an *Evaluation Mechanism* to review the existing industry measures for the safe and secure handling of toxic chemicals.
- 21.** In particular, the centre will expand partnerships with the Organisation for the Prohibition of Chemical Weapons (OPCW), the World Health Organisation (WHO), and other international organisations.
- 22.** The centre will encourage national centres for chemical process safety and security.

XII. PROGRAMME OF THE SEMINAR

CHEMICAL SAFETY AND SECURITY; PERSPECTIVES

27 October
(09.00 – 18.00)

- 08.30 Registration of Participants - Coffee
- 09.30 Introduction to Seminar by Chair of the Seminar
Official opening and welcome by Dr. Ryszard Scigala, President of Tarnow
Introductory remarks by the national and international entities
- 09.45 Keynote statement: Ambassador Bonnie Jenkins, Coordinator for Threat Reduction Programmes, Bureau of International Security and Non-proliferation, US State Department: “The Role of Chemical Safety and Security in International Global Security Engagement Efforts”
- 10.30 Introduction to chemical safety and security. Outline of existing international efforts to promote chemical safety and security; PhD Lech Starostin and Mr. Leslaw Gorniak
- 11.00 Coffee break
- 11.30 Role of academia in promoting safe and secure handling of CBRN materials – Prof. Stanislaw Witek (Wroclaw Technical University), Prof. Slawomir Neffe (Military University of Technology, Warsaw)
- 12.30 Experience of International organisations in coordinating or supporting programs in CBRN safety and security (EU, WHO, IAEA, OPCW, OSCE)
- 13.15 Lunch
- 14.30 Implementation of Seveso II Directive: Response to serious accident in a high risk facility, a role of responders, industry and place of local population
- 15.00 Cooperation between stakeholders in promoting chemical safety and security, Mr. Wojciech Lubiewa-Wielezynski, President of Polish Chamber of Chemical Industry/PIPC/
- 15.30 Chemical industry programs in chemical safety and security, including Responsible Care ® and RC Security Code, Cefic representatives
- 16.00 Discussion and questions and answers session
- 17:30 Closing remarks

18.00 Official Reception

28 October
(09.00 – 15.00)

CHEMICAL SAFETY AND SECURITY IN PRACTICE

STUDY CASE AT AZOTY TARNOW

- 09.00 Welcome by Mr Jerzy Marciniak, President of the Managing Board, Azoty Tarnow
- 09.15 Keynote statement: Prof. Adam Markowski, Technical University, Lodz: “Chemical Processes Risk Management Principal in Chemical Safety“
- 09:40 Introduction to Chemical Safety And Security at Azoty Tarnow, Mr. Wieslaw Lach, Technical Director
- 10.00 Issues in Global Chemical Process - Safety and Security Management, Mr. Kumaresh Misra, Head of International Cooperation Branch, OPCW
- 10.30 International Assistance Programmes in Strengthening Safety and Security at a Chemical Plant; US Department of Homeland Security
- 11.00 Safety and Security Management in Chemical Companies,
- 11.30 Coffee break
- 11.45 Site tour of Azoty Tarnow – presentation of chemical safety measures
- 13:00 Lunch
- 14.00 Time reserved for bilateral and private consultations and meetings

SEMINAR ON DEVELOPMENT OF THE INTERNATIONAL CENTRE FOR CHEMICAL SAFETY AND SECURITY

Tarnów, Poland, 27-28 October 2011

Meeting Information for Participants

PART I: MEETING INFORMATION

In all matters concerning the meeting preparation, organization and other logistical aspects please contact:

1. Secretariat of the Meeting

Municipality of Tarnow – *M.r Lukasz Blacha*

phone: +48 665 100 437
Fax: +48 14 621 53 08
Email: l.blacha@umt.tarnow.pl

Azoty Tarnow – *Mr. Wieslaw Lach*

phone: +48 14 637 37 04
Fax: +48 14 633 23 27
Email: wieslaw.lach@azoty.tarnow.pl

The organisation and substantive preparations for the seminar are coordinated by:

Mr. Leslaw Gorniak:

phone: +48 501 461 245
Email: lmgorniak@gmail.com

PhD Lech Starostin:

phone: +48 798 266 303
Email: lstarostin@hotmail.com

2. Meeting Dates and Location - The overall responsibility for organisational aspects of the meeting rests with the Azoty Tarnow and Municipality of Tarnow.

The seminar will last all day of 27th October from 9:00 until 19:30 and on 28th October since 09.00 till 15.30. Additional bilateral meetings or consultations could be organised in the afternoon of 28 October

3. The meeting venue – Tarnow City Hall, Mickiewicza 2, 33-100 Tarnow, Poland

- 4. Registration Forms** - Registration Forms (find attached) should be sent no later than on 15th October 2011 by e-mail or by fax to the following address:

Fax: +48 14 621 53 08

Email: l.blacha@umt.tarnow.pl

- 5. Arrivals** - It is possible to get to Tarnow by train (from Warsaw and Krakow). The organizers will be responsible for picking participants up from the Krakow Airport Balice or Krakow Main Railway Station and provide transportation to the venue of the Seminar. Transportation in Tarnow will be provided.
- 6. Meeting Accreditation** - Badges will be issued to all participants of the Seminar at the time of check-in at the registration desk in accordance with formal registration procedures. The Participants are strongly advised to hold valid passport for the registration and security purposes. The badges must be worn at all times in the Seminar areas and will be required for identification.
- 7. Seminar Languages** - The official working language is English. Translation into Polish will be provided.
- 8. Conference Documents/Presentations** - Participants are requested to provide the texts of presentations in advance for distribution, in hard copy and in electronic version PDF, DOC or PPT format (send via email or delivered before presentation on CD or USB memory stick. Computers (Windows OS) with projector will be available for participants for on-screen presentations.
- 9. Accommodation** - The organisers will book a number of rooms in the hotels in Tarnow.
It is only possible to book the hotels by sending the above mentioned registration form.
- 10. Secretariat Office** - During the meeting Secretariat staff will be available to assist participants with meeting-related issues and general queries. Secretariat Staff will also assist delegates with the reproduction and distribution of documents.
- 11. Refreshments/ smoking** - For the duration of the Seminar, complimentary coffee, tea and refreshment will be available in foyer. Smoking is allowed only in indicated areas.

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| PART II: GENERAL PRACTICAL INFORMATION |
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Background information about Tarnow can be obtain from www.tarnow.pl

Background information about Azoty Tarnow can be obtain from www.azoty.tarnow.pl

1. Climate - In October temperature varies from 5 to 15°C. Rain falls intermittently throughout the year, so please remember to take your umbrella.

2. Banking and Currency Exchange Rates -The local currency is the Polish Zloty (PLN). The approximate exchange rates are: EUR = 4,30 PLN, USD = 3,20 PLN

Polish Zloty is exchangeable outside Poland. For other exchange rates, please refer to the Polish National Bank web site on the Internet at: www.nbp.pl. There are also a lot of money exchange stalls on the main streets of Tarnow, called "kantor". The foreign currencies can also be exchanged in the hotels. ATM's are abundant in the city centre and they work with major bank card systems MAESTRO, Cirrus and Visa. Usage of ATM's is considered safe.

3. Passport and Visas - Participants travelling to Poland must be in possession of a valid passport and visa, if required. Polish Consulate or consular section of the Polish Embassy issues the visas. To obtain the visa it is strongly recommended to contact the Polish Embassy or Consulate well in advance. Participants are also welcomed to visit the Polish Ministry of Foreign Affairs web-site: www.msz.gov.pl for any additional information. Poland is a party to Schengen agreement.

4. Time Zones -Poland time zone is the same as in the most of EU countries, which at the time of the Seminar is CET Daylight Saving, (GMT + 2).

5. Restaurants

- Hotel „Cristal Park”***, 33-101 Tarnow, Traugutta 5, tel/fax. (+48) 14-633-12-27, 14-633-23-81; 14-633-23-82
www.hotel.cristalpark.pl
- Hotel “U Jana”, 33-100 Tarnow, Rynek 14, tel/fax (+48) 14 626 05 64
www.hotelujana.pl
- Hotel “Bristol”, 33-100 Tarnow, Krakowska 3, tel/fax (+48) 14 621 22 79
www.bristol.tarnow.com.pl

Most of the hotels and many restaurants accept major credit cards.

6. Public transport and Taxis – there is well developed network of public transportation; a taxi may also be ordered by the hotel service.

8. Insurance - Participants are encouraged to obtain insurance to cover loss incurred in the event of cancellation, medical expenses and damage or loss of personal effects.

9. Pharmacy (Apteka), open 24 hours, Lwowska 22, tel. (+48) 14 622-28-66

10. Electricity, Voltage in Poland is 230 V, 50 Hz.