

Chemical Industry Security at Dow

Wicher Mintjes

**Emergency Services & Security
Expertise Center**

Integrated approach to security

- Dow has a fully integrated approach to Chemical Industry Security
- Security approach is depicted in a security poster; copies are available
- All elements of the Responsible Care Security Code are linked to this integrated approach
- This presentation will show these links

Integrated approach to security

AN INTEGRATED APPROACH TO CHEMICAL INDUSTRY SECURITY

NATIONAL SECURITY

RISK-BASED APPROACH

Prioritize & Set Risk-Based Performance Targets

Assess Vulnerabilities

Apply Appropriate Tools to Mitigate Risk



REduce PRESSURE
Extra Security for Sensitive Chemicals

LOWER TEMP.
Evaluate Storage & Process Options
Use Alternates Where Process Allows

REDUCE INVENTORY
Make & Use in Process without Storage

RADAR

SITE & FACILITY SECURITY

SUPPLY CHAIN

SUPPLY CHAIN

Crisis Management Plans

- ✓
- ✓
- ✓

EMERGENCY RESPONSE

CUSTOMER SCREENING

OK to ORDER ✓

CONFIDENTIAL

INTERNET INTRANET

PROCESS STABILIZER

INFORMATION / CYBER SECURITY

BACKGROUND PROFILE

I.D. BADGE

EMPLOYEE 2989001

PERSONNEL SECURITY



Leadership commitment

Leadership commitment

- Dow applies the same safety and security approaches wherever it operates – worldwide
- Implemented Responsible Care Security Code after 9/11

Risk Analysis

Risk Analysis

N A T I O N A L S E C U R I T Y

RISK-BASED APPROACH

**Prioritize & Set Risk-Based
Performance Targets**



**Assess
Vulnerabilities**



**Apply Appropriate
Tools to Mitigate Risk**

Implementation of security measures



**Extra Security
for Sensitive
Chemicals**



**REDUCE
PRESSURE**

REDUCE INVENTORY

LOWER TEMP.

**Evaluate
Storage
& Process
Options**

**Use Alternates
Where Process
Allows**

**Make
& Use in Process without
Storage**

SITE & FACILITY SECURITY

NETWORK ACCESS

USER:

PASSWORD:

ACCESS CODE:

PROCESS

INTRANET

**BACKGROUND
PROFILE**



**PERSONNEL
SECURITY**



**SUPPLY
CHAIN**



**INFORMATION /
CYBER SECURITY**

DOWN

Training, guidance and information

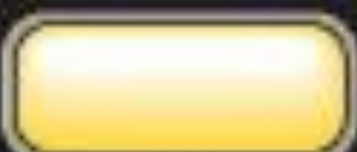
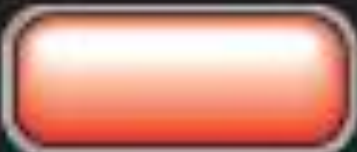
Training, guidance and information

- Partnership & information sharing with governments
- Work with shippers, carriers and government on supply chain security
- Community Awareness
- Training of Emergency Responders

Response to security threats and incidents

ce
Risk

**NATIONAL
RISK LEVEL**



PLY
AIN



Crisis Management Plans



EMERGENCY RESPONSE

OK to

Audits, Verification & Continuous Improvement

Audits, Verification & Continuous Improvement

- Security is fully integrated in the Dow Management Systems
- All security programs and systems will follow the Plan-Do-Check-Act cycle

Thank You

Wicher Mintjes

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