

OVERVIEW

APELL and TransAPELL PROCESS

UNEP-ICCA Project “Promoting Chemical Safety Management in the African Region”

Training Workshop on Emergency Preparedness and Dangerous Goods Handling

Tema, Ghana, 16-19 June 2014

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APELL

- APELL aims:
 - To increase the awareness of communities to local hazards
 - To help the community be better prepared for emergencies



APELL

VISION OF SUCCESS

Local community is aware of...

- existing hazards and risks
- vulnerabilities
- emergency planning and capabilities
- individual roles and responsibilities

Emergency services are...

- coordinated
- prepared to respond to emergencies
- prepared to protect responders
- able to provide emergency information



TransAPELL

TransAPELL applies APELL guidance to the shipping, distribution and transport of dangerous goods.

Planning for risks arising from the transport of dangerous goods is more complex.

- difficulty in projecting the location of the emergency
- difficulty in projecting the impact of the emergency
 - health
 - environment



TransAPELL in Practice

TransAPELL used by APELL Coordinating Groups

- add plans for dangerous goods transport to fixed facility plans
- create plans for local communities without fixed facilities

TransAPELL is designed to:

- Encourage cooperation to develop understanding of the dangerous goods being transported through communities.
- Provide emergency planning groups with a method to evaluate the hazards
- Provide guidance to develop and evaluate their emergency plans



TransAPELL

Why is it more complex?

- Transport routes normally long and complex.
- As an emergency can occur anywhere - planning must be very flexible.
- Routes go through populated areas, along rivers, etc.
- Hazard identification is more complex as the materials are variable
- The number of stakeholders is generally greater than for fixed installations
- Transport industries involve small & medium sized enterprises without offices or other representation in communities
- An accident may happen in a community that does not have any fixed chemical installations.
 - emergency services many not be equipped or trained
- The public is likely to not know hazards and how to act in an emergency



TransAPELL

The Process

Understanding the hazards

What routes are used?

- include highway, rail, water and pipelines

What products are being transported?

- what, how much and when

Commodity Flow Studies are the tool



TransAPELL

The Process - 2

Assess Capabilities

- are responders trained to deal with the commodities being transported and unknowns
- do the responders have necessary equipment
- what gaps exist
- can gaps be filled through mutual aid cooperation

Review and revise emergency plans to fill gaps



Accident Prevention

- Consider restrictive routing of road movements
- Consider whether to convoy dangerous material transporters
- Avoid shipments during rush hours
- Consider restrictions during hazardous weather conditions
- Special road constructions to protect sensitive areas
- Proactive safety and educational programs



Exercises

- As with fixed facilities in the APELL program, exercises to practice emergency plans are very important.
- They should involve mutual aid partners.



QUESTIONS?

