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World wide reasons for security

- World Trade Centre (almost 3000 victims)
- Public transport Madrid and London (about 200 and 55 victims)
- Bali (about 200 victims)
- Research reactor Australia (prevented)
Leading role of IAEA

• march 2005, ElBaradei (dg IAEA): statement on the necessity of nuclear security

• februari 2005, Moscow, Tanaguchi (ddg IAEA)
  “The question is not to operate a NPP safely but to operate a NPP securely”

• CPPNM (amended july 2005)

• Security services: IPPAS mission
The Dutch approach to nuclear security

- Synergy safety & security (& safeguards)
- Clear responsibilities of licensee and government
- Continuous improvement
- Defence in depth
Security review in Netherlands

- IPPAS (int) and COT (nat) mission
  - review december 2005;
  - final reports june 2006

- DBT for power plant Borsele
to be accepted by the three responsible ministers

- programme for improvement of security
  with all parties concerned
Results of security review (1)

GOOD PRACTICES OF THE NPP BORSELE

• Bunkered system and secondary control room well designed and provide robustness against sabotage scenario
• Guard force management demonstrated high level of commitment
• Door locking to sensitive areas from remote alarm areas
• Documented procedures to shut down reactor in the event of vital area penetration
RECOMMENDATIONS

- Determine if more staff is necessary
- Make an actual DBT and involve politicians
- Actualize legislation
- Update security regulations to current INFCIRC/225
- Improve the response force
- Improve the inspections
QUICK WINS

- Trespassing criminal offence
- Graded approach in access control
- Limited entry to vital areas
- Personnel, vehicle & cargo checks
- Locking door turbine to control room
- Checking load vehicles prior to shipment
dilemma’s (1)

armed guards

versus

unarmed guards with response by special forces
dilemma’s (2)

size of the observation area  

*versus*

the use of public roads
dilemma’s (3)

freedom of demonstration *versus* security

Greenpeace was on top of the reactor in May 2005
Conclusions and recommendations

- IPPAS helpful in improving security
- Comparison with other industries is vital for politicians
- The same procedure will be followed for other nuclear plant and installations in The Netherlands
- International harmonization of security NI’s