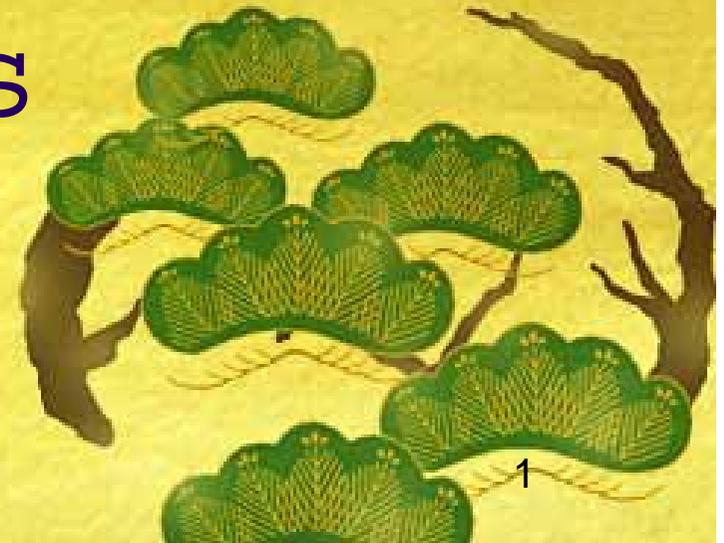




The ISOE Request System

the example
of the workers
internal
contamination
practices

C. Lefaure, L. D'Ascenzo ETC



The ISOE Network

- Different channels of exchange of information:

- ISOE Workshops

- (organised every second year in Europe or in the USA)

- ISOE benchmarking visits

- Requests to ISOE Technical Centres
(by Email)

The ISOE Request of information

- Currently:

- ⊙ question sent by Email by a participant to its Technical Centre
- ⊙ forwarded to the other technical centres
- ⊙ => to all the ISOE participants

- Between 5 to 20 answers are received within 1 or 2 weeks

- In the Future:

question posted on the Web forum via the ISOE Network website

one ISOE Request on internal contamination prevention

- A questionnaire with 12 questions sent on 5 Nov. 2004 by EDF department responsible for the dismantling of NPPs
- About 20 answers from all over the world (4 TCs) received within 2 weeks.
- One information sheet as a summary of the answers

one ISOE Request on internal contamination prevention

- In most countries but in Sweden, the US and UK internal exposure is even not tolerable: it has to be totally avoided and when it occurs it is always an event to be declared
- When tolerated:
 - ⊙ there are level not to be exceeded (1 mSv/y; or 0,25 mSv per event)
 - ⊙ Optimisation has to be performed for the total I+E exposures and between them. According to an increase of exposure time between 15 and 30% due to the respiratory protection equipment (RPE)₅

one ISOE Request on internal contamination prevention

● Even where not tolerated, there are value(s) above which RPE should be either mandatory used or be the result of above mentioned optimisation process: situation totally inhomogeneous (see table 2)

- ⊙ concentration levels, (one or several per type of pollutant)
- ⊙ dose rates
- ⊙ surface contamination

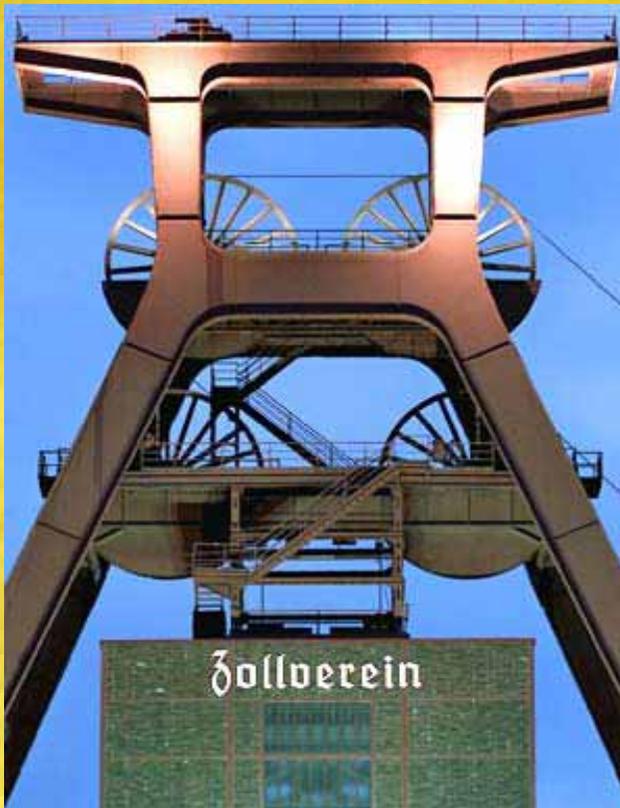
one ISOE Request on internal contamination prevention

- It also describes other protective measures such as decontamination, tent with under-pressure, training, awareness...
- For individual exposure monitoring (table 4), all types of methods from bioassays to Quick Body Monitor or SAS are described.
- A special mention for PAS at San Onofre (USA)

one ISOE Request on internal contamination prevention

- Finally EDF has been very happy from both the set of answers and
- The information sheet provided by ETC
- So... we propose to do synthesis more often
- They should be translated in any languages if needed by TCs or national coordinators

**5th ISOE EUROPEAN WORKSHOP on
OCCUPATIONAL EXPOSURE MANAGEMENT AT
NUCLEAR FACILITIES**



**Essen, Germany
15-17 March 2006**

Rad. Prot. Managers
Regulatory bodies
Research reactors

14th of March 2006