OSART Good Practices
EMERGENCY PLANNING AND PREPAREDNESS
Emergency Equipment and Resources

Temelin 1/2, Czech Republic

Mission Date; 12 Feb.-1 Mar., 2001

The plant has developed an excellent management program utilizing a database employing standard commercially available software to effectively and efficiently track and maintain emergency response duty roster assignments. The several parameters necessary to maintain the duty roster are maintained on interconnected and related data fields. Information such as weekly team assignments for the entire year are programmed in. Along with necessary information such as phone numbers, pager numbers, e-mail address, residential address and other essential information for each team member is maintained. On-call emergency response personnel are assigned to specific teams designated by a unique identifying color, which is visibly displayed when the system is accessed, to provide clear recognition of team assignments. A network interconnection to the database allows ready access to the system from many locations. Appropriate password protocols are established to protect the integrity of the data. Each team members can access the system and provide updates and substitution information as necessary. Individuals are held accountable for ensuring their roster position and assignment are covered if they are unavailable for duty. Changes to data fields are automatically and instantly updated in all related fields and reports. By utilizing internet access capabilities the data is readily available virtually any where. A hard copy of the daily roster assignments is printed out twice a day and maintained as a backup copy should system problems develop.

Tricastin, France

Mission Date; 14-31 January, 2002

For Accident management measures, special shielding devices are necessary to be implemented in a controlled area in the plant. This needs to handle very heavy concrete block of weights ranging from 5 to 10 tons by a forklift in a very narrow area to precisely position them as radiation protection shielding. To facilitate the training of staff, the plant has prepared a special dedicated out side area to give the staff the possibility to train without interfering the operation of the plant and without the hazard of damaging equipment inside the plant during training. This area is used up to 12 times a year to get persons used in setting up the device. Using dedicated training areas for special training of accident management material will enable the staff to get more practice easily and with less effort and especially without endangering the plant. It is considered a good practice and is recommended for other plants with similar accident management provisions.

Zaporozhe, Ukraine

Mission Date; 6-23 Sept, 2004

Diverse means are used for prompt notification of the public during emergencies. Attributes of the notification system for ZNPP include:
- Pre-recorded initial emergency messages on all cable-TV channels in Energodar provided by the plant
- Pre-recorded initial broadcast-TV and FM-radio messages for the population of the 30 km planning area provided by the plant
- Capability to broadcast audio/video update messages from the plant
- Direct notification for Energodar via loudspeaker system
- Siren system throughout the emergency planning area (tested monthly)

Borssele, Netherland

Mission Date; 8 Nov.-7 Dec., 2005

Use of a contamination and dose rate simulation device during exercise will help participates of drill.

For realistic contamination and dose rate data input during drills, the use of a PDA (Personal Digital Assistance, portable data system with GPS localization) has proven to be particularly useful. The release of radioactivity in a simulated accident is calculated with a release model and fed into the PDA memory.

During the 2005 May exercise the emergency relief team use the PDA to "measure (hypothetical data)" the dose rate in the field depending on the evolution of the accident.

This adds to realism of their surveillance and communications exercise.

South Ukraine3, Ukraine

Mission Date; 9-25 Oct., 2006

Video conference tool uses for Emergency Planning and Preparedness communication.

The plant uses effective and efficient video conference connection as well as plant operation data collection in ERO between utility and other NPPs.

The video conference connection has been installed in the internal crises centre. This system allows visual communication (video conference connection) with utility and all Ukrainian NPPs.

The main role of this equipment during the video conference:
-To be more effective when communicating with off-site;
-To aid the decision procedure between utility and NPP;
-To exchange practical skills and knowledge among NPPs in emergency tasks;
-To request support dealing with all NPPs and utility; and
-To efficiently report the unit status.
In this crisis centre there is equipment which provides on-line plant data, processing, documenting, storage display and transfer of data. The system maintains on-line transfer of SUNPP unit status parameters to the crisis centres of the operating organization and NRC of Ukraine.