

OSART Good Practices

TRAINING AND QUALIFICATION

Training Programmes for Maintenance Personnel

Dukovany 1/4, Czech Republic

Mission Date; 5-22 November, 2001

The contractor/supplier training and qualification process at Dukovany ensures that technical competence is assured by both pre-qualification and further specific training relevant to the task to be performed on the plant. The training arrangements for site access and general plant knowledge, including appropriate standards and expectations, ensures staff are well prepared for their duties on site.

St. Laurent, France

Mission Date; 27 Nov. - 14 Dec., 2006

Training department's use of simulator for maintenance support training using role playing scenarios with operations crew. Which includes multiple debriefs following simulator role playing for a maintenance training session. In addition, the role playing use by the plant was well used in other areas, including emergency preparedness training whereby improved communications between different emergency planning organizations within the plant was realized. For example, the training on communications and use of the 3D-3P emergency equipment during emergency preparedness and severe accident situations.

The maintenance role playing training was specifically set to focus on human performance requirements with respect to instrument testing/maintenance of safety related equipment affecting the response of the simulator (plant), risk assessment and staff response. The training focused on pre-briefs by maintenance personnel given to the control room operators, participation by all involved in analyzing risk, the execution of the activity and subsequent mitigating actions due to given problems during the scenario. Following the training session debriefs were effectively conducted. In fact, not just one but three debrief sessions were conducted. One was a combined debrief with both maintenance and operators. Then there were two additional debriefs conducted separately for maintenance and operators only. Each debrief was well structured with good participation and satisfactory facilitation by the instructors. The team has noted the presence of the first line management during the training and debriefs. The presence of human factor engineer was also noted, who participated actively to debrief on the human performance topics. This training effectively demonstrated the use of the full scope simulator to improve the interaction and support between operations and maintenance.