

OSART Good Practices

MAINTENANCE

Conduct of maintenance work

Mihama 3, Japan

Mission Date; 20 Jan.-5 Feb., 2009

Field supervisors conduct pre-job TBMs (tool box meetings) to give instructions on the day's work and reinforce safety, quality, and other precautions to workers.

A TBM is a field meeting for the workers of each job, called by the field supervisor before the job starts and when needed (lasts approx. 5 - 10 min.).

At a TBM, the field supervisor checks the workers and their physical conditions, as well as the working organization. The field supervisor also cites past non-conformances and accidents in reinforcing the procedures for important operations and key points of the work to all workers.

A part of the TBM is the use of "action tables of work-related hazards / harmful factors and requirements ("Action Tables" hereafter)", summarizing "hazards involved" for each work item, "rules" for each plant requirement, and "workplace accidents in similar work operations reported at KEPCO power stations over the last five years". The tables, compiled under the Occupational Health & Safety Management System, are distributed to all sections and all contractors.

The Action Tables must be kept at each of the workplaces. The constant accessibility of past accident information makes the tables a tool that significantly contributes to the prevention of workplace accidents.

Also, in daily TBM, persons in charge inform workers of hazards/harmful factors and rules listed in the Action Tables to refresh their knowledge. This increases the level of cautiousness among workers concerning the hazards/harmful factors involved in the day's work, thereby preventing workplace accidents. The practice also has the effect of preventing deviation from the days' work procedures and rules including laws.

St. Alban, France

Mission Date; 20 Sep.-6 Oct., 2010

Chain with magnetic ends for designating worksite.

A special user-friendly tool has been designed by the I&C team to mark electrical worksites using a plastic chain with magnetic ends. This system is simple, extremely quick to use, and it can be used in electrical rooms. Field workers simply "clip" the magnets to the relevant metallic electrical cabinet. Each chain also has a plasticized tag so all labelling requirements are met and the label can be rewritten when necessary. The walls of a room can be equipped with metal plates also.

The rapid installation of this system saves time and effort. It is not necessary to fetch supports and special marking tape. It also improves work site safety.

Bohunice 3 & 4, Slovakia

Mission Date; 1-18 Nov., 2010

Armband on work leader.

The maintenance department are using a yellow armband to identify the work leader on site. This will point out the responsible person and may prevent some communication errors.

Advantages:

- Been in use since 2005 in green and 2009 new colour, yellow.
- Designation of the Work leader as the responsible person on site.
- Improved communication between professional groups at site with good results.
- Clear identification of responsible person for other interdisciplinary work groups.
- Improvement of safety, and error prevention due to clear exchange of information with work group leader.

Flamanville 3, France

Mission Date; 17 Jun. - 4 Jul., 2019

Tie-off points for attaching a safety harness are permanently installed at all potential crash surfaces and floor openings, (see figure 1) to secure a harness or fall arrester. They enable workers to perform their job safely when a risk of fall from a height is present. Their maximum rated load capacity is (10kN). These tie-off points are checked once a year to ensure usability. When their yearly check is due, and/or the tie-off point is damaged, it is tagged out using a tagging device. See Figure 2.



Figure 1: Tie-Off Point



Figure 2: Tagged-out Tie-Off Point

Benefits:

Safe access to locations where there is a risk of fall from a height (floor openings, movable floor gratings, access to cranes and platforms).

Results:

Since the implementation of these tie-off points no event due to fall from a height have been recorded.