The ISOE European Technical Centre (CEPN) is conducting a survey on the precautionary measures implemented by the nuclear utilities to reduce the risk of transmission of the Covid-19 coronavirus and their impact on radiation protection management and practices.

The answers will be made available on a restricted area of the ISOE website according to the usual rules, i.e. available for all ISOE Members (Utilities and Authorities) or for Utilities only according to the decision of each responder.

We would really appreciate if you could answer the following questionnaire and provide us with any documents (pictures, guidance…) you consider as useful for the ISOE Community, despite the language.

Please send back your questionnaire to ETC at the following address: isoe@cepn.asso.fr

# 1. Please indicate the name of your plant, your name and contact information

|  |  |
| --- | --- |
| Reactor plant: |  |
| Name: |  |
| Email address: |  |

Answers to the questionnaire can be shared with: [ ]  all ISOE Members (Ut. + Aut.) [ ]  Utilities only

# 2. Main general measures in place on the site related to COVID-19 Prevention

Could you please describe the main precautionary measures taken by your utility to face the Covid-19 pandemic? Please describe and/or provide pictures, guidance, information notice if possible.

[ ]  Monitoring symptoms:

[ ]  Physical distancing (which distanced is considered as safe?):

[ ]  Washing hands:

[ ]  Travel:

[ ]  Dining:

[ ]  Cleaning (disinfection):

[ ]  Other:

# 3. General Work Practice

What is put in place to ensure that social distancing is respected in different areas (on site, in offices, changing rooms…)? Please describe and/or provide pictures if possible *(for ex. painted spacing dots on sidewalks and floors, adhesives, etc).*

How is the Covid-19 risk integrated into existing risk analyses performed prior implementation of activities?

Which measures are taken when the physical distancing cannot be respected to perform a job/task (cramped environment…)?

* Collective protections:
* Personal protective equipments (please specify in which conditions they are used):

 [ ]  Surgical mask:

 [ ]  Half-face respirator:

 [ ]  Full face respirator:

 [ ]  Gowns:

 [ ]  Face shields:

 [ ]  Gloves:

 [ ]  Other:

* Changing work practice (e.g. reducing the number of workers, modifying planning or time schedules):

* Cancelling the job:

* Other:

Are there any recommendations regarding handling of tools?

* Shared tools:

* Personal tools:

# 4. Work practices in Radiation Controlled Area (RCA)

***Entering RCA***

Are there specific COVID-19 measures/procedures implemented to enter RCA?

 [ ]  YES [ ]  NO

 If Yes, please specify:

Are there specific COVID-19 measures/procedures implemented to enter Reactor Building?

 [ ]  YES [ ]  NO

 If Yes, please specify:

# RP Personal Protective Equipment

Is there any change in the type of PPE used for radiation protection reasons (i.e. protection against contamination)?

 [ ]  YES [ ]  NO

 If Yes, please specify:

# Exit of job site, and RCA: Control of contamination

With Covid-19 risk, which specific measures are taken to perform the detections controls of external contamination on the hands and feet?

With Covid-19 risk, which specific measures are taken to perform whole body contamination checks?

# Cleaning (Disinfection) of RP equipments

|  | How is it cleaned? | Frequency |
| --- | --- | --- |
|  | During outage | Non-outage |
| **Fixed RP equipment** |  |  |  |
| * Device for detection of external contamination on the hands and feet
 |  |  |  |
| * Gamma Portal Whole Body Contamination Monitors
 |  |  |  |
| **Mobile RP equipment** |  |  |  |
| * Dosimeters
 |  |  |  |
| * Radiation Meters
 |  |  |  |
| **Changing rooms in controlled area** |  |  |  |
| **Other equipment (please specify)** |  |  |  |

# 5. Impact on Heath Physics Department Organisation and Activities

Due to Covid-19, is there any impact on the HP Department organisation (staff reduction, changing missions and activities…)?

 [ ]  Number of staff:

 [ ]  Work planning:

 [ ]  Missions/activities: any prioritization of missions? New missions / activities?

Is there any impact on the management of RP equipments? e.g. in terms of:

 [ ]  Technical support in case of failure:

 [ ]  Calibration:

 [ ]  Other:

Is there any impact on RP training and education? e.g. in terms of:

 [ ]  Training modalities (e.g. implementation of e-learning, carrying out of practical training…):

 [ ]  Modification of contents:

 [ ]  Other:

# 6. Impact on Regulatory Requirements

Did your National Authority agree to provide the utility with some temporary exemptions due to Covid-19 Pandemic? Please describe.

 [ ]  Temporary cancellation of some regulatory requirements:

 [ ]  Extension of worker authorization since training has been suspended:

 [ ]  Extension of change-out frequency of passive dosimeters:

 [ ]  Other:

# 7. Other

Have you encountered any difficulties in the procurement of COVID-19 protective equipments?

 [ ]  YES [ ]  NO

 If Yes, please specify:

Are there any other specific points regarding the impact of COVID-19 on RP activities that you would like to share?