NUKLEARNA ELEKTRARNA KRŠKO

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TECHNICAL SPECIFICATION FOR

Health Physics Technicians in the years 2025 and 2027

Revision: 0

Classification: NNSR

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1. Description and content of activities

The work of Health Physics (HP) / Radiation Protection (RP) technicians in radiological controlled area in the Krško NPP during one-month outages 2025 (October) and 2027 (April).

2. Scope of the service

- Surveillance of workers during maintenance work on the primary system.
- Measurements of surface contamination and swabs from surfaces, equipment and radioactive shipments.
- Air sampling.
- Surveillance and control of protective equipment before washing.
- Other works under the direction of the plant RP shift coordinator.

Note: Travel time is not included.

3. Classification of the service

Non-Nuclear Safety Related (NNSR).

4. Type of service

4.1 Work is performed in accordance with the procedures and equipment of NPP Krško.
4.2 It includes rental of labour at an hourly rate and effective work performed, confirmed in the log work. Supervision is part of the plant RP department responsibility.

5. Applicable regulations, standards and procedures

5.1 Ionising Radiation Protection and Nuclear Safety Act
5.2 Plant procedure, ADP-1.7.002, Radiation Protection Manual
5.3 EPRI Alpha monitoring guidelines
5.4 Plant procedure Radiation Protection During Outages (translation of PRZ-7.303).

6. Identification of equipment and devices

Radiation portable monitors and detectors provided by the Plant.

7. Technical requirements

7.1 The technician must have at least 3 years of experience with one year of outage work/previous work in NPPs. He/She should be familiar with radiation protection related work in western type of NPP.
7.2 Completed at least 200-hour HP course in accordance with national regulations.
7.3 The contractor shall previously inform their staff on the requirements related to the referent plant procedures and EPRI Alpha Monitoring Guidelines.
7.4 The Contractor may use its measuring equipment only in agreement with the plant RP.
7.5 The Contractor is obliged to attend one day training before the outage.

8. Qualification requirements

8.1 Health Physics technician with 3 years of practice.
8.2 Category A radiation worker.
8.3 Fluent in English.
8.4 Contractor should be approved for work in nuclear facilities by its national authority.

9. The dynamics of work implementation

9.1 Twelve hours daily work in morning shift or afternoon-night shift (one day off per week).
9.2 Only during Outage 2025 and Outage 2027
9.3 Up to 2000 manhours per outage.

10. Supplier obligations

- Contractor shall provide up to 6 Health Physics technicians.
- Contractor will check that individuals are fit for the duty and tested to be in a proper physical condition for Krško NPP outage work.
- Dose constraint 6 mSv for the outage.
- Any unplanned absence of an individual during outage-shift-work should be announced in advance - one day or at least one shift in advance (the lost hours could be recovered only if approved by NEK in advance).

11. NPP obligations

- Co-ordination of work.
- Working procedures.
- Protective equipment.
- Measuring equipment.
- Personal dosimetry.

- ALARA plans for some specific outage jobs and related instructions for contractor's work.

12. Special requirements

- HP technicians shall report to the RP shift coordinator.
- HP technicians are obliged to report any deviations in accordance with the ADP-1.7.002, Radiation protection manual, to the RP shift coordinator and to the RP Superintendent.
- Work contractor is obliged to refrain from all actions that should material or moral harm the employer or the business interests.
- Approval of the contractor from Slovenian nuclear safety authority will be assured by Krško NPP (licence for radiation protection related practices) and also based on the adequate training and experience conditions of the contractor.
- Individuals should be in good physical condition because of job related requirements.

13. QA requirements

N/A

14. Attachments

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