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Swiss Confederation

Swiss Federal Nuclear Safety Inspectorate ENSI

ENSI.CH-5200 Brugg

A Post

Areva TN
1 rue des hérons
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Classification: **none**

Your reference: CODEP-DTS-2017-049155

Our reference: ROB 12/14/002

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Brugg, 19 October 2017

Inspection n° INSNP-DTS-2017-0454 at Technetics Group (Saint Etienne)

Dear Mr.

With letter from 15. September 2017 /1/ the French nuclear safety authority (ASN) and the Swiss Federal Nuclear Safety Inspectorate (ENSI) announced an inspection at Technetics Group (Saint Etienne), who is responsible for the manufacturing of the metallic seals used amongst others in the TN24BH transport package. Designer of the package is Areva TN. The inspection was carried out in parallel to a product-based inspection by ENSI expert organisation (SVTI-N) on the manufacturing of the TN24BH for interim storage.

The main points of the inspection were:

- Observation of the final tests for four manufacturing lots in presence of SVTI-N and representative of Swiss utility
- Implemented changes related to Quality System in the last two years.
- Check of the self-control of the manufacturer and the Quality System during manufacturing of metallic seals
- Interactions between Areva TN and Technetics Group
- Improvements related to the used metallic seals in the design of the TN24BH package
- Overview over the different manufacturing steps of the metallic seals
- Discussion on the last audits at Technetics Group performed by Areva TN

The results of inspection are:

- The product based inspection by Swiss utility and SVTI-N was completed successfully including all tests and the documentations of all four lots.

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**Classification:**

Subject:

Klassifikation

Betreff

- Technetics Group (Saint Etienne) has a good understanding of the nuclear safety culture with respect to the self-control of the manufacturer.
- The manufacturing process is mainly based on high precision manual working activities. As such, the product quality is strongly depending on the skills and the experience of the workers and their personal continuity.
- The frequency of non-conformances with respect to the produced seals has been reduced
- There is an active experience feedback between Areva TN and Technetics Group

ASN and ENSI have found no indications for non-conformities regarding the manufacturing of metallic seal for the design of the TN24BH package.

Summarizing ASN and ENSI have no corrective actions identified at Technetics Group (Saint Etienne). There are neither additional questions nor observations.

Best regards,

Fabien Féron

Signé par

Director of the Transport and Sources
Department
Autorité de sûreté nucléaire

Dr. Stefan Theis

Signé par

Head of Transport and Waste Section
Swiss Federal Nuclear Safety Inspectorate