

Regulatory Updates

Nuclear safety...

Bernard Doroszcuk appointed ASN Chairman

November 2018



By decree of the President of the Republic, dated 13 November 2018, Bernard Doroszcuk is appointed Chairman of ASN for a period of 6 years. He succeeds Pierre-Franck Chevet, who was appointed ASN Chairman in 2012 and whose mandate came to an end on 12 November 2018.

The professional career of Bernard Doroszcuk has been entirely devoted to the oversight of high-risk activities and installations, in both the public and private sectors, where he has held several positions of responsibility directly related to nuclear safety and radiation protection.

Bernard Doroszcuk began his career in 1982 in the public sector, in a decentralised Government department and then in the central administration, in the field of pressure equipment and dangerous materials transport safety.

Between 1989 and 1997, he occupied various management positions in Bureau Véritas, helping to develop monitoring and certification activities related to the implementation of European regulations and management system standards in France and abroad.

In 1997, he joined ASN, taking charge of internal coordination of the second periodic safety review of the EDF 900 MWe reactors.

After spending time in the central administration managing the Regional Directorates for Research and Industry (DRIRE), he was appointed head of the DRIRE Centre in 2003 and then of the DRIRE Ile-de-France in 2008.

In these two positions, he also acted as ASN regional representative for nuclear safety oversight of the NPPs in the Centre region (Dampierre, Chinon, Saint-Laurent and Belleville-sur-Loire) and for nuclear safety oversight on the French Alternative Energies and Atomic Energy Commission (CEA) centres of Saclay and Fontenay-aux-Roses. In this capacity, he also oversaw the monitoring of radiation protection in the medical and industrial sectors, as well as on sites and soils contaminated by radioactive materials in the Ile-de-France region.

In 2010, he was tasked with setting up the Regional and Inter-departmental Directorate for the Environment and Energy for the Ile-de-France region. He ran this new Directorate until 2013 and then joined the French Accreditation Committee (COFRAC) as CEO.

Bernard Doroszcuk is an Engineering graduate from the Douai *Ecole des mines* (1980) and also holds a diploma from the *Ecole supérieure de soudage* (ESSA – 1982). He holds the status of *ingénieur général au corps des mines*, the State's elite engineering corps.

Bernard Doroszcuk is a Knight of the National Order of Merit.

 [For more information
www.french-nuclear-safety.fr](http://www.french-nuclear-safety.fr)

ASN delivered its opinion on the overall consistency of the nuclear fuel cycle in France

October 2018

ASN monitors the overall consistency of the industrial choices made concerning fuel management which could have an impact on safety. In this context, ASN periodically asks EDF to submit a "Cycle Impact" file prepared jointly with the fuel cycle players, presenting the consequences for each step of the fuel cycle of EDF's strategy for using the different types of fuel in its nuclear reactors.

In June 2016, at the request of ASN, EDF submitted the "2016 Cycle Impact" file for the 2016-2030 period, prepared in collaboration with Framatome, Orano Cycle and Andra and considering several scenarios for the development of the energy mix.

On 18 October 2018, ASN delivered its opinion after completing its review of this file. ASN considers that the "2016 Cycle Impact" file provides a satisfactory overview of the consequences of the various nuclear fuel cycle development scenarios on the nuclear facilities, transport operations and waste management. However, the consequences of contingencies that could affect the fuel cycle must be examined in greater depth.

ASN underlines the need to anticipate any strategic change in the functioning of the fuel cycle by at least ten years so that it can be designed and carried out under controlled conditions of safety and radiation protection. It is a question of ensuring that - given the incompressible development times for industrial projects - the needs, for example, for new spent fuel storage facilities or for new transport packaging designs are addressed sufficiently early.

In this framework, in the longer term it will be necessary either to have new storage capacities that are significantly greater than the current and projected capacities, or to be able to use MOX fuel in reactors other than the 900 MWe reactors, which are the oldest. The time frame required for the design and production of these options is about ten years. ASN therefore asks the industrial players to start examining these two options without delay.



Besides, the Government is currently preparing the "multiannual energy plan" (MEP), which is updated every five years. The functioning of the nuclear fuel cycle could evolve according to the orientations of this plan. ASN therefore asks the industrial players to study the consequences, in terms of safety and radiation protection, of the MEP on the nuclear fuel cycle and its coherence at each MEP revision.

 [For more information
www.french-nuclear-safety.fr](http://www.french-nuclear-safety.fr)

ASN hosted the 22nd HERCA Board meeting

October 2018



On 30-31 October 2018, ASN hosted the 22nd meeting of the Heads of European Radiation protection Competent Authorities (HERCA), gathering 45 participants from 25 countries.

At this meeting, all six HERCA Working groups (WG) presented their on-going and future activities in the fields of medical and veterinary application, research and industrial sources and practices, natural radiation sources, education & training and emergencies.

Furthermore, the Board approved the publication of country fact sheets on national frameworks in Emergency Preparedness and Response and of the Statement on the Justification and use of hand-held X-Ray equipment.

Board members also discussed the benefits and future activities of HERCA on the basis of HERCA Board contributions and approved HERCA budget for 2019.

The 23rd HERCA Board meeting will be organised on 15-16 May 2019 in Liverpool, UK. It will be kindly hosted by the Office for Nuclear Regulation (ONR).

ASN is highly involved in HERCA activities by chairing the WG on medical applications, by ensuring the association and the WG on natural radiation sources secretariats and by participating in each WG and task force. Participation in these European fora remains a top priority for ASN.

🌐 [For more information http://www.herca.org/herca_news.asp?newsID=71](http://www.herca.org/herca_news.asp?newsID=71)

ASN authorised commissioning and operation of the Flamanville EPR reactor pressure vessel in certain conditions

October 2018



On 9th October 2018, ASN authorised the commissioning and operation of the Flamanville EPR reactor pressure vessel, subject to the performance of a test programme to monitor the thermal ageing of the steel in the residual carbon positive macro-segregation zone, plus specific inspections during operation of the facility. As the current state of knowledge does not enable the feasibility of these inspections to be confirmed for the vessel closure head, ASN set a service life limit at end of 2024 for the existing vessel closure head.

This authorisation is based on the conclusions of the ASN opinion of 10th October 2017 concerning the anomaly in the chemical composition of the steel of the vessel closure and bottom heads of the Flamanville EPR reactor, as well as on the additional data transmitted by Framatome in its authorisation application of 13th July 2018.

The examination of this additional information by ASN did not compromise the conclusions of the 2017 opinion. Moreover, ASN verified compliance with the technical and regulatory requirements other than those concerning the chemical composition of the steel in the reactor vessel closure and bottom heads.

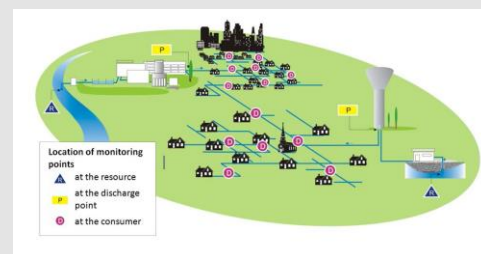
The ASN draft resolution was opened to public consultation on its website between 3rd and 24th September 2018. This consultation received more than 500 contributions. The summary of this consultation is available on the ASN website.

Following this consultation of the public and that of the Standing Subcommittee for Pressure Vessels of the High Council for the Prevention of Technological Risks, ASN supplemented its resolution in order to clarify certain points underpinning the requirements of article 2 of the resolution, concerning the thermal ageing programme and the technical feasibility of the pressure vessel closure head replacement operation.

🌐 [For more information www.french-nuclear-safety.fr](http://www.french-nuclear-safety.fr)

Publication of a guide on radon health monitoring in water intended for human consumption

September 2018



On September 2018, a guide concerning the health monitoring and the management of health risks linked to the presence of radon in water intended for human consumption has been published (WIHC) on the ASN website. In this document:

- The first part describes the scope of the Council directive 2013/51/Euratom of 22nd October 2013 and the potential health effects linked to radon.
- The second part concerns the organisation of health monitoring for measuring radon in WIHC.
- The third and fourth parts present methods for managing situations in which the radon quality reference is exceeded in WIHC, as well as for informing the population.

🌐 [For more information http://www.french-nuclear-safety.fr/Information/Publications/Publications-for-the-professionals](http://www.french-nuclear-safety.fr/Information/Publications/Publications-for-the-professionals)

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