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## **Results from Technical Assessment of the Operating Organization's Submittals on Qualification of Rivne-1, 2 Equipment**

*According to standards and rules on nuclear and radiation safety (NRS) in force in Ukraine, safety-related equipment should be qualified to perform its functions in “harsh” environmental conditions resulting from design-basis accidents and during and after seismic impacts. The efforts on Rivne-1, 2 equipment qualification are the first experience of Ukraine in the implementation of such a complex and labor-intensive activity. The basic stages and status of Rivne-1, 2 equipment qualification as of mid-2011 and problematic aspects revealed during state NRS reviews of RNPP reports are presented in this paper.*

*Keywords: equipment qualification, harsh environmental conditions, design-basis accidents, seismic impacts, tests, analysis, operating experience, state review.*