

# Office for Nuclear Regulation

An agency of HSE

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## WESTINGHOUSE AP1000® GENERIC DESIGN ASSESSMENT

### GDA ISSUE

### ACCIDENT SOURCE TERMS

### GI-AP1000-RC-01 REVISION 0

<b>Technical Area</b>		<b>REACTOR CHEMISTRY</b>	
<b>Related Technical Areas</b>		Fault Studies Probabilistic Safety Assessment Radiation Protection	
<b>GDA Issue Reference</b>	<b>GI-AP1000-RC-01</b>	<b>GDA Issue Action Reference</b>	<b>GI-AP1000-RC-01.A1</b>
<b>GDA Issue</b>	Westinghouse should provide justification to demonstrate that the source term released into the containment during accidents is appropriate for AP1000.		
<b>GDA Issue Action</b>	Westinghouse to demonstrate that the accident source term is applicable to the passive design features of AP1000, and justify the sensitivity of the analyses to more realistic radionuclide behaviour in the containment. Westinghouse should provide analyses, or alternative means agreed by the regulator, to justify the duration and quantity of the release including both the short and long term behaviour. With agreement from the Regulator this action may be completed by alternative means.		