

DS 564, Design of Nuclear Installations Against External Events Excluding Earthquakes

COMMENTS BY REVIEWER				RESOLUTION			
Reviewer: PNRA Country/Organization: Pakistan/PNRA		Page1 of 1 Date: 16-02-2026					
Comment No.	Para/Line No.	Proposed new text	Reason	Accepted	Accepted, but modified as follows	Rejected	Reason for modification/rejection
1	Section 7/ Heading 5 Sub-heading No. vii Sub-heading “Chemical release events (e.g. toxic, flammable, corrosive, and asphyxiant substances and their mixtures)”	Proposed heading is “ Chemical release events in air and water ” The detail (including examples) of these chemicals released in air and water should be addressed in the relevant sections.	Usually, heading does not contain “e.g.”.	O			
2	Section 7/Heading 5 Sub-heading No. xii “Hazardous events caused by floating objects and oil spills”	The proposed heading may be, “Hazardous events caused by floating objects and hazardous liquids oil -spills”	The word oil spills is more specific and may be replaced with liquid spills to cover variety of liquids which also includes oil spills as well. Moreover, the same term “liquid” is used in the existing IAEA SSG-68 rather than “Oil”. Therefore, the same word “Liquid” may be retained which is more generalised.	O			

COMMENTS BY REVIEWER				RESOLUTION			
Reviewer: NSSC Country/Organization: Republic of Korea/Korea Institute of Nuclear Safety Date: 2026.2.23.							
Comment No.	Para/Line No.	Proposed new text	Reason	Accepted	Accepted, but modified as follows	Rejected	Reason for modification/rejection
1	p. 5/line 28	5. DESIGN PROVISIONS AGAINST EXTERNAL EVENTS - ... Electromagnetic interference => 5. DESIGN PROVISIONS AGAINST EXTERNAL EVENTS - ... Electromagnetic interference, <u>including space weather effects (e.g., geomagnetic storms)</u>	Space weather is identified as an emerging external hazard in the Background but is not explicitly reflected in the Table of Contents, Overview. While it may be covered under “Electromagnetic interference”, this is not clear.		O		The title was changed to “ Electromagnetic Interference, including Geomagnetic Storms ” to adopt the recommendation. Other space weather effects, except for geomagnetic storms, will be covered under “Other Hazardous External Events.”
2	p. 1/line 29 p. 4/line 4	Rev.1 Rev. 1	The document uses both “Rev.1” and “Rev. 1” for revision numbering.	O			

COMMENTS BY REVIEWER**Reviewer: Nuclear Safety Department in FANR****Country/Organization: Untied Arab Emirates****Page 2 of 2****Date: 23/02/2026****RESOLUTION**

Comment No.	Para/Line No.	Proposed new text	Reason	Accepted	Accepted, but modified as follows	Rejected	Reason for modification/rejection
1	General	The application of graded approach needs to be enhanced further especially now with introducing new advanced technology.	Enhancement of the purposes.	O			
3	General	Space weather effect and air crash impact are similar in term of their impact, we need to define the exact impact difference between the two.	For clarity purposes.	O			The impact differences of aircraft crashes and meteorites will be described in the revision. In addition, other types of the hazards from space weather, such as geomagnetic storms, will be also covered.