**Safety of Reprocessing Facilities (DS 360)**

| COMMENTS BY REVIEWER<br>Reviewer: Page. of.<br>Country/Organization: India / Atomic Energy Regulatory Board Date: 9.10.2015 | | | | RESOLUTION | | | |
|---|---|---|---|---|---|---|---|
| Comment No. | Para/Line No. | Proposed new text | Reason | Accepted | Accepted, but modified as follows | Rejected | Reason for modification/rejection |
| 1 | 2.17/5th line | To maintain the facility in a safe state, some systems should operate continuously or should be restarted within a defined delay period if they become unavailable, for example:<br>(a) Active heat removal systems used in storage areas or buffer tanks, accountancy vessels or for high activity waste packages to remove decay heat;<br>(b) **Exhaust ventilation systems which ensure dynamic containment of radioactive material**<br>(c) Dilution (gas flow) systems used to prevent hazardous concentrations of hydrogen;<br>(d) Safety significant instrumentation and control systems and utility supply systems. | Ensuring dynamic containment (exhaust ventilation) in all operational states of the reprocessing plant is necessary to maintain facility in a safe state. | | | | |

Note: The bold text with red font in yellow background is the proposed new text.

**Comments on DS360 "Safety of Nuclear Fuel Reprocessing Facilities"**

| COMMENTS BY REVIEWER<br>Reviewer: Japan NUSSC<br>Country/Organization : Japan/NRA | | | Page 1 of<br>Date: 21/10/2015 | RESOLUTION | | | |
|---|---|---|---|---|---|---|---|
| No. | Para/<br>Line No. | Proposed new text | Reason | Accepted | Accepted, but modified as follows | Rejected | Reason for modification/rejection |
| 1 | 4.5 (e)/L5 | All processes involving fissile material should be designed in such a way as to prevent ~~an accidental~~ criticality; | All processes involving fissile material must be designed so as to assure preventing criticality regardless of "accidental" or not. | | | | |
| 2 | 4.9/L3 | The safety requirements relating to design basis accidents ~~and design basis external events~~ are established in NS-R-5 (Rev.1) [1], paras. 6.4–6.9. | "Design basis external events" is not described in NS-R-5 (Rev.1), and then suggested to be deleted. | | | | |