

Nuclear Events Web-based System (NEWS) INES Event Rating Form (ERF)

EVENT TITLE										EVENT DATE			
Fire in hot cell facility of the Ljubljana TRIGA reactor centre										2010-10-17			
RATING		OUT OF SCALE	DEVIATION		INCIDENT			ACCIDENT			FACILITY TYPE		
Provisional	<input type="radio"/>		0	1	2	3	4	5	6	7	Power Reactor	<input type="radio"/>	Research Reactor
Final	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Radwaste Facility	<input type="radio"/>	Radiation Source	<input type="radio"/>
RATING DATE (yyyy-mm-dd)													
2011-05-30													
FACILITY / PLACE													
Brinje, Slovenia													
											YES	NO	
OFF-SITE IMPACT													
RELEASE BEYOND AUTHORIZED LIMITS											<input type="radio"/>	<input checked="" type="radio"/>	
OVEREXPOSURE OF MEMBERS OF PUBLIC											<input type="radio"/>	<input checked="" type="radio"/>	
ON-SITE IMPACT													
CONTAMINATION SPREAD											<input checked="" type="radio"/>	<input type="radio"/>	
WORKER OVEREXPOSURE											<input type="radio"/>	<input checked="" type="radio"/>	
DAMAGE TO RADIOLOGICAL BARRIERS											<input checked="" type="radio"/>	<input type="radio"/>	
DEGRADATION OF DEFENCE IN-DEPTH											<input checked="" type="radio"/>	<input type="radio"/>	
PERSON INJURED PHYSICALLY OR CASUALTY											<input type="radio"/>	<input checked="" type="radio"/>	
IS THERE A CONTINUING PROBLEM											<input type="radio"/>	<input checked="" type="radio"/>	
PRESS RELEASE ISSUED											<input checked="" type="radio"/>	<input type="radio"/>	
EVENT DESCRIPTION													
<p>On 17 October 2010, a small fire started in the dryer located in the hot cell facility of the Ljubljana TRIGA reactor centre. Probable cause of the fire was a failure of a thermostat device of the dryer. Ignition of small quantity of paper and other flammable material that was dried in the dryer triggered a fire alarm and facility personnel extinguished the fire before a fire brigade arrived. Some activity was released to the facility floor, but no activity has been released to the environment. Filters of the facility ventilation system were measured and it was confirmed that airborne contamination spread was very low. The spread contamination of burned and melted samples was mostly composed of Uranium compounds with an activity of 13.35 MBq. Personnel exposure data from measurements of TLD and WBC of exposed individuals show very low exposure of 4 microSv. Corrective actions included prevention of contamination spread, decontamination of the facility and refurbishment of damaged hot cell ventilation system.</p>													
RATING JUSTIFICATION AND DIFFICULTIES ENCOUNTERED													
(QUOTE RELEVANT USER MANUAL PARAGRAPHS)													
<p>The rating of impact on people and the environment is level 0. The rating of impact on radiological barriers and controls at facilities is level 0. The rating for the event is level 1 due to upgrading of basic rating for its impact on defense in depth and consideration of additional factors, such as procedural inadequacies (6.2.4.2), unauthorized spread of contamination (6.3.4) and fire involving low level waste (6.3.10). The rating was updated using data in licensee's event report, however the final rating did not change from the provisional rating. Thus the final rating is level 1.</p>													
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