

EXERCISE REPORT



Site	Sellafield
Name and Type of Exercise	Mallard re-demonstration Level 1 partial re-demonstration
Date of Exercise	29th June 2011

REPORTING AREAS	DETAILS
Brief Description of Exercise Scenario	A compressed gas cylinder was dropped and failed, resulting in it launching like a missile and making a hole in the Pile Fuel Cladding Silo (PFCS) wall and the Argon supply pipe. Argon gas (an asphyxiant) and contamination is released into the local atmosphere. The loss of the inert atmosphere inside the PFCS increased the risk of a silo fire.
Summary of Aims and Objectives	To demonstrate the adequacy of the Operational Level emergency arrangements at the joint Incident Control Centre / Access Control Point (ICC/ACP) and within the incident area. Objectives include: -Establishment of the Site Emergency Management Organisation -Assessment of incident area status, and formulation and implementation of actions to return to a safe state -Ascertain whether personnel are missing from the incident plant and implement appropriate measures to ensure their health & safety -Demonstration of adequate control and management of emergency exposure.
Positive outcomes	<ul style="list-style-type: none"> • Very good roll call carried out in the incident plant and a real missing person quickly located. • Excellent initial event handling by the Incident Controller and Safety & Site Shift Manager set a calm and controlled approach to the exercise.

	<ul style="list-style-type: none"> • Re-entry teams received good, focused briefs which were enhanced by pictures and maps.
Negative outcomes	<ul style="list-style-type: none"> • There was no quick and efficient method of sending images from the incident area to the (ICC). A runner had to be deployed to dispatch the images.
Learning Points	<ul style="list-style-type: none"> • To ensure, via training and drilling, that all operational emergency response teams across Sellafield operate at a consistently high standard. • To ensure any Radiation Emergency Preparedness and Public Information Regulations (REPPIR) emergency intervention personnel that may be required have been pre-identified and pre-trained. • Enhancement of the capability to enable 'live feed' pictures to be transmitted from the Incident area to the ICC and SECC is required.
Regulators comments (If applicable)	<ul style="list-style-type: none"> • Exceptional Command & Control was evident at the combined ICC/ACP. • Excellent early damage control assessment was undertaken by the ICC. • Expectation is that all operational emergency response teams across Sellafield operate at a consistently high standard.