



Individual Risk Assessments

Hazard and threat description, including scale:	
Fire or explosion on an offshore oil/gas installation	
Date of Revision	Next review date
14/05/2015	14/05/2018
Overview of hazard or threat:	
<p>Ignition of hydrocarbon release causing fire and explosion, the incident would be local to site with the potential to cause (from 60) up to 120 fatalities or hospitalising from 60 up to 120 people – demand on emergency services and health care will be short-term.</p> <p>May cause supply issues depending on the installation but likely that there is resilience in supply. Expected to be environmental damage warranting a clean-up operation.</p>	
Key historical evidence:	
<ul style="list-style-type: none"> • April 2010, a gas release and explosion – Deepwater Horizon oil rig – resulting in significant environmental damage • 2012 – Hydrocarbon release on Elgin Franklin platform in the North Sea, 6000 tonnes release over a period of weeks. No casualties or fatalities 	
Likelihood:	
Hazard	Likelihood
Fire or explosion on an offshore oil/gas installation	Low
Impact:	
Summary:	
Hazard	Impact
Fire or explosion on an offshore oil/gas installation	Minor
Details:	
Impact associated with risk (i.e 1 of x)	
Primary:	
<ul style="list-style-type: none"> • Casualties/fatalities • Environment Pollution • Disruption to supply • Severe effects on NHS system – requiring national co-ordination to “distribute” the injured 	
Secondary	
<ul style="list-style-type: none"> • Mass fatalities • Fall in share prices • Long term environmental impacts • Possible loss of employment • Impact on local business that either supply the installation or who may be reliant on business from installation employees 	

Overall assessment:		
Category:		
1. Major Industrial Accident		
Likelihood	Impact	Risk Rating
	Fatalities	3
	Casualties	2
	Economic	1
	Social Disruption	1
	Psychological	1
Medium		
Controls in place		
<ul style="list-style-type: none"> • Operating companies: Installation - specific Emergency Response Plans. • Police 'Offshore Incidents and Disasters' contingency plan. • Health and Safety Executive - Installation inspections c/o legislation • 500 metres exclusion zone. • Norfolk Emergency Response Guidance • Multi-agency exercises • NRF Mass Fatalities/Casualties Plan • Fire and Rescue Service offshore firefighting teams available across Britain 		