

Hazard/threat category	Sub-category
Transport accidents	Local accident involving transport of fuel or explosives
Hazard and threat description, plus scale	Risk reference number
Up to 30 fatalities and up to 20 casualties. Evacuation up to 1km radius may be required. Potential release of up to 30 tonnes of fuel into the local environment and watercourses. Large quantities of fire fighting media into local environment. Roads and access difficulties	HL14
Date of revision	Next review
December 2007	December 2008
Version	2
Author	Royal Berkshire Fire and Rescue Service

1. Overview of hazard or threat

Fire involving fuel or explosives following an accident on the road or rail transportation network.

Depending on the explosives or fuel involved and the area the accident is in, attendance by the emergency services could be very difficult. Casualty and body recovery could be delayed until the explosives have been made safe. A regional response may be required by the Fire Service for equipment and personnel.

There could be contamination of watercourses and local environment which could also get into drinking water supplies.

Local residents and businesses may not be able to return to their properties for some time

2. Key historical evidence

There has not been an incident of this magnitude in the Thames valley, there have been several smaller incidents but none with the potential to reach these levels of fatalities and casualties

3. Likelihood

Hazard	Outcome description	Likelihood
Local accident involving transport of fuel or explosives	Up to 30 fatalities and up to 20 casualties. Evacuation up to 1km radius may be required. Potential release of up to 30 tonnes of fuel into the local environment	1

	and watercourses. Large quantities of fire fighting media into local environment. Roads and access difficulties	
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4. Impact

Summary

Hazard	Outcome description	Impact			
		Health	Social	Env	Econ
Local accident involving transport of fuel or explosives	Up to 30 fatalities and up to 20 casualties. Evacuation up to 1km radius may be required. Potential release of up to 30 tonnes of fuel into the local environment and watercourses. Large quantities of fire fighting media into local environment. Roads and access difficulties	4	4	4	4

Details

Impacts
Primary
Damage to surrounding properties leading to members of the public unable to return to their homes or place of work
Large numbers of casualties requiring treatment for burns or blast injuries.
Possible serious environmental contamination
Recovery of bodies from the site and the surrounding area
Secondary
Long term effects on business not directly involved in the fire or explosion
Removal of contaminated soil

5. Vulnerability and resilience

Fuel tankers are designed not to leak if they overturn, the tanks are compartmented which should prevent the whole load leaking if there is

damage to the tank. Explosives are carried under strict control, explosive weapons being moved from AWE have there own special arrangements in place.

6. Overall assessment

Category	Sub-category		
Transport accidents	Local accident involving transport of fuel or explosives		
Outcome description	Impact	Likelihood	Risk
Up to 30 fatalities and up to 20 casualties. Evacuation up to 1km radius may be required. Potential release of up to 30 tonnes of fuel into the local environment and watercourses. Large quantities of fire fighting media into local environment. Roads and access difficulties	4	1	Medium

Controls in place

DSEAR 2002

BFRS 11/2, Incidents involving hazardous substances; OC 11/14, Hazardous substances marking schemes; OC 11/3/1 Chlorine liquid in transportation;

OC11/18, Fires involving explosives

Oxfordshire County Council Emergency Plan

RBFRS Major Incident Plan

Milton Keynes Council Major Incident Guide

Environment Agency Incident Management Plans

EA 24/7 Incident Response

EA MOU with Fire Brigades, Police, Local Authorities, Highways Agency, Health Protection Agency & Health Authorities

South Central Ambulance Service NHS Trust Major Incident Plans

Royal Berkshire Hospital NHS Trust Major Incident Plan

Heatherwood & Wexham Park Hospitals NHS Trust Major Incident Plan

Berkshire Healthcare Trust Major Incident Plan

Berkshire Primary Care Organisations Major Incident Plan and Operational Response Manuals

Buckinghamshire Hospitals NHS Trust Major Incident Plan

Buckinghamshire Primary Care Organisations Major Incident Plan

Buckinghamshire Mental Health Trust Major Incident Plan

Milton Keynes Hospital NHS Trust Major Incident Plan

Oxford Radcliffe Hospitals NHS Trust Major Incident Plan

Nuffield Orthopaedic Clinic Major Incident Plan

Oxfordshire Primary Care Organisations Major Incident Plan

Oxford Mental Health Trust Major Incident Plan

South Central Strategic Health Authority Major Incident Plan

Berkshire Integrated Emergency Planning Structure

Berkshire Unitary Authorities Emergency Plans X 6

Buckinghamshire CC Emergency Plan

Aylesbury Vale District Council Emergency Plan

Chiltern District Council Emergency Plan

South Bucks District Council Emergency Plan

Thames Valley Police Emergency Procedures Manual

ACPO Emergency Procedures Manual

Oxfordshire Fire & Rescue Service Major Incident Policy

Additional risk treatment required

Local/Regional joint emergency plans

Local/Regional joint exercises