

| Hazard/threat category | Sub-category |
|--|---|
| Industrial accidents and major fires | Industrial explosions and major fires Eg animal experimentation facility, education campus, secure facility, hotel, leisure complex, sporting venue, military site |
| Hazard and threat description, plus scale | Risk reference number |
| Up to 1km around site causing up to 20 serious injuries and up to 10 casualties. | HL7 |
| Date of revision | Next review |
| December 2007 | December 2008 |
| Version | 2 |
| Author | Royal Berkshire Fire and Rescue Service |

1. Overview of hazard or threat

This type of incident happens infrequently throughout the UK. Normally short term impact to community caused by smoke or fumes.

May lead to road closures, small-scale evacuation, and pollution of watercourses and air pollution.

2. Key historical evidence

There have been a few incidents in the UK and Thames Valley but none causing very large numbers of casualties.

3. Likelihood

| Hazard | Outcome description | Likelihood |
|---------------------------------------|---|-------------------|
| Industrial explosions and major fires | Up to 1km around site causing up to 10 serious injuries an up to 10 casualties. | Rare (2) |

4. Impact

Summary

| Hazard | Outcome description | Impact | | | |
|---------------------------------------|---|---------------|--------|-----|------|
| | | Health | Social | Env | Econ |
| Industrial explosions and major fires | Up to 1km around site causing up to 10 serious injuries an up to 10 | 3 | 3 | 3 | 3 |

| | | | | | |
|--|-------------|--|--|--|--|
| | casualties. | | | | |
|--|-------------|--|--|--|--|

| |
|---|
| Impacts |
| Primary |
| Small numbers of casualties |
| Localised closure of surrounding roads |
| Localised short term evacuation of community |
| Possible contamination of land, surface water or ground water |
| Poor air quality due to smoke which may contain toxic or noxious substances |
| Secondary |
| Safety Assessment – possible demolition of damaged buildings. |
| Drifting smoke may effect adjacent transport networks |
| Possible impact to surface and ground water from contamination of run off |

5. Vulnerability and resilience

Any vulnerable sites already have site-specific planning arrangements in place.

6. Overall assessment

| Category | Sub-category | | |
|---|---------------------------------------|------------|--------|
| Industrial accidents and environmental pollution | Industrial explosions and major fires | | |
| Outcome description | Impact | Likelihood | Risk |
| Up to 1km around site causing up to 10 serious injuries an up to 10 casualties. | 3 | 2 | Medium |

Controls in place

COMAH regulation on and off site plans
Site specific plans
Emergency services joint exercises
Oxfordshire County Council Emergency plan
RBFRS Major Incident Plan
EA 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