

HUMBER COMMUNITY RISK REGISTER

The following organisations have been involved in preparing the Humber Community Risk Register:-

Category 1 Responders
British Transport Police
East Midlands Ambulance Service
Environment Agency
Health Protection Agency
Hull and Goole Port Health Authority
Humber Emergency Planning Service on behalf of:- East Riding of Yorkshire Council Hull City Council North East Lincolnshire Council North Lincolnshire Council
Humberside Fire and Rescue Service
Humberside Police
Maritime & Coastguard Agency
NHS Acute Trusts
NHS Primary Care Trusts
Yorkshire Ambulance Service

Category 2 Responders
Anglian Water
CE Electric UK
Health and Safety Executive
Humberside Airport
Network Rail
Yorkshire Water

Other Organisations
Government Office of Yorkshire & the Humber
Met Office
Royal Air Force

KEY

Local Risk Reference	Hazard or Threat Category
IA/EP	Industrial Accidents & Environmental Pollution
TA	Transport Accidents
SW	Severe Weather
SH	Structural Hazards
HH	Human Health
AH	Animal Health
IA	Industrial Action
IE	International Events
ITF	Industrial Technical Failure
PE	Public Events
LE	Local Environment

HUMBER COMMUNITY RISK REGISTER

RISK RATING MATRIX

RISK RATING

IMPACT	Catastrophic (5)	TA2	IA/EP8	SW3, SW4,			
	Significant (4)	IA/EP3, IA/EP10, TA8, TA10, TA11	IA/EP4, IA/EP22, IA/EP23	IA/EP15, SW6	SW7, SW8, SW9, SW10, SW11	HH2	
	Moderate (3)	IA/EP2, IA/EP5, IA/EP7, IA/EP14, IA/EP20, IA/EP21, IA/EP24, SH3, TA1, TA3, TA5, TA7, TA12, PE2	IA/EP1, IA/EP6, SW1, HH3, AH1, ITF1, ITF4	IA/EP9, IA/EP11, IA/EP16, IA/EP19, SW2, SW5, ITF5, ITF6	HH1, HH4	IA/EP17, IA/EP18	
	Minor (2)	IA/EP25, TA4, TA9, TA13, SH1, IA4, ITF2, ITF7	SH2, LE2	TA6, AH2, IA5, IE1	IA1, IA2, PE3	IA/EP13, ITF3	
	Insignificant (1)			PE1	IA3	IA/EP12, LE1	
		Negligible (1)	Rare (2)	Unlikely (3)	Possible (4)	Probable (5)	

LIKELIHOOD

VERY HIGH

These are classed as primary or critical risks requiring immediate attention. They may have a high or low likelihood or occurrence, but their potential consequences are such that they must be treated as a high priority. This may mean that strategies should be developed to reduce or eliminate the risks, but also that mitigation in the form of (multi-agency) planning, exercising and training for these hazards should be put in place and the risk monitored on a regular frequency. Consideration should be given to planning being specific to the risk rather than generic.

HIGH

These risks are classed as significant. They may have a high or low likelihood of occurrence, but their potential consequences are sufficiently serious to warrant appropriate consideration after those risks classed as 'very high'. Consideration should be given to the development of strategies to reduce or eliminate the risks, but also mitigation in the form of at least (multi-agency) generic planning, exercising and training should be put in place and the risk monitored on a regular frequency.

MEDIUM

These risks are less significant, but may cause upset and inconvenience in the short term. These risks should be monitored to ensure that they are being appropriately managed and consideration given to their being managed under generic emergency planning arrangements.

LOW

These risks are both unlikely to occur and not significant in their impact. They should be managed using normal or generic planning arrangements and require minimal monitoring and control unless subsequent risk assessments show a substantial change, prompting a move to another risk category.

Local Risk Reference	Hazard/Threat Category	National Hazard Reference	Sub-Category	Overall Risk	Impact	Likelihood	Lead Assessor
INDUSTRIAL ACCIDENTS & ENVIRONMENTAL POLLUTION							
IA/EP1	Industrial Accidents & Environmental Pollution	H1	Fire or explosion at a gas LPG or LNG terminal (or associated onshore feedstock pipeline) or flammable gas storage sites.	Medium	Moderate (3)	Rare (2)	Health & Safety Executive
IA/EP2	Industrial Accidents & Environmental Pollution	H2	Fire or explosion at an onshore ethylene gas pipeline.	Medium	Moderate (3)	Negligible (1)	Health & Safety Executive
IA/EP3	Industrial Accidents & Environmental Pollution	H3	Fire or explosion at an oil refinery.	Medium	Significant (4)	Negligible (1)	Health & Safety Executive
IA/EP4	Industrial Accidents & Environmental Pollution	H4	Fire or explosion at a fuel distribution site or a site storing flammable and/or toxic liquids in atmospheric pressure storage tanks.	High	Significant (4)	Rare (2)	Health & Safety Executive
IA/EP5	Industrial Accidents & Environmental Pollution	H5	Fire or explosion at an onshore fuel pipeline.	Medium	Moderate (3)	Negligible (1)	Health & Safety Executive
IA/EP6	Industrial Accidents & Environmental Pollution	H6	Fire or explosion at a non-critical offshore oil/ gas platform.	Medium	Moderate (3)	Rare (2)	Health & Safety Executive
IA/EP7	Industrial Accidents & Environmental Pollution	H7	Explosion at a high pressure natural gas pipeline.	Medium	Moderate (3)	Negligible (1)	Health & Safety Executive
IA/EP8	Industrial Accidents & Environmental Pollution	H8	Very large toxic chemical release.	High	Catastrophic (5)	Rare (2)	Health & Safety Executive
IA/EP9	Industrial Accidents & Environmental Pollution	H9	Large toxic chemical release	High	Moderate (3)	Unlikely (3)	Health & Safety Executive
IA/EP10	Industrial Accidents & Environmental Pollution	H11	Accidental release of radioactive material from incorrectly handled or disposed of sources.	Medium	Significant (4)	Negligible (1)	Health Protection Agency
IA/EP11	Industrial Accidents & Environmental Pollution	H12	Biological substance release from facility where pathogens are handled (eg pathogen released from containment laboratory)	High	Moderate (3)	Unlikely (3)	Health & Safety Executive
IA/EP12	Industrial Accidents & Environmental Pollution	H14	Major contamination incident with widespread implications for the food chain	Low	Insignificant (1)	Probable (5)	Health Protection Agency
IA/EP13	Industrial Accidents & Environmental Pollution	H46	Biological substance release during an unrelated work activity or unrelated work activity or industrial process (eg Legionella release due to improperly maintained building environmental control systems).	Medium	Minor (2)	Probable (5)	Health & Safety Executive
IA/EP14	Industrial Accidents and Environmental Pollution	HL1	Fire or explosion at a gas terminal or involving a gas pipeline.	Medium	Moderate (3)	Negligible (1)	Health & Safety Executive
IA/EP15	Industrial Accidents and Environmental Pollution	HL2	Localised industrial accident involving large toxic release eg. From a site storing large quantities of chlorine.	Very High	Significant (4)	Unlikely (3)	Health & Safety Executive
IA/EP16	Industrial Accidents and Environmental Pollution	HL3	Localised industrial accident involving small toxic release	High	Moderate (3)	Unlikely (3)	Health & Safety Executive
IA/EP17	Industrial Accidents and Environmental Pollution	HL4	Major pollution of controlled waters	High	Moderate (3)	Probable (5)	Environment Agency
IA/EP18	Industrial Accidents and Environmental Pollution	HL5	Major land contamination incident	High	Moderate (3)	Probable (5)	Environment Agency
IA/EP19	Industrial Accidents and Environmental Pollution	HL7	Industrial explosions and major fires	High	Moderate (3)	Unlikely (3)	Health & Safety Executive
IA/EP20	Industrial Accidents & Environmental Pollution	HL25	Fire or explosion at a gas terminal as well as LPG, LNG, and other gas onshore feedstock pipeline and flammable gas storage sites.	Medium	Moderate (3)	Negligible (1)	Health & Safety Executive
IA/EP21	Industrial Accident & Environmental Pollution	HL26	Localised fire or explosion at an onshore ethylene gas pipeline.	Medium	Moderate (3)	Negligible (1)	Health & Safety Executive
IA/EP22	Industrial Accident & Environmental Pollution	HL27	Localised fire or explosion at an oil refinery.	High	Significant (4)	Rare (2)	Health & Safety Executive
IA/EP23	Industrial Accident & Environmental Pollution	HL28	Localised fire or explosion at a fuel distribution site or tank storage of flammable and/or toxic liquids.	High	Significant (4)	Rare (2)	Health & Safety Executive
IA/EP24	Industrial Accident & Environmental Pollution	HL30	Localised explosion at a natural gas pipeline	Medium	Moderate (3)	Negligible (1)	Health & Safety Executive
IA/EP25	Industrial Accident & Environmental Pollution	HL33	Forest or moorland fire	Low	Minor (2)	Negligible (1)	Humberside Fire & Rescue Service

Local Risk Reference	Hazard/Threat Category	National Hazard Reference	Sub-Category	Overall Risk	Impact	Likelihood	Lead Assessor
TRANSPORT ACCIDENTS							
TA1	Transport Accidents	H15	Maritime Pollution	Medium	Moderate (3)	Negligible (1)	Maritime Coastguard Agency
TA2	Transport Accidents	H16	Aviation accident over a semi-urban area	Medium	Catastrophic (5)	Negligible (1)	Humber Emergency Planning Service
TA3	Transport Accidents	H42	Rapid accidental sinking of a passenger vessel in or close to UK waters.	Medium	Moderate (3)	Negligible (1)	Maritime Coastguard Agency
TA4	Transport Accident	HL8	Fire, flooding, stranding or collision involving a passenger vessel in or close to UK waters or on inland waterways, leading to the ship's evacuation.	Low	Minor (2)	Negligible (1)	Maritime Coastguard Agency
TA5	Transport Accidents	HL9	Aviation Accident	Medium	Moderate (3)	Negligible (1)	Humber Emergency Planning Service
TA6	Transport Accidents	HL10	Local accident on motorways and major trunk roads.	Medium	Minor (2)	Unlikely (3)	Humberside Police
TA7	Transport Accidents	HL11	Railway Accident	Medium	Moderate (3)	Negligible (1)	British Transport Police
TA8	Transport Accidents	HL12	Local accident involving transport of hazardous chemicals.	Medium	Significant (4)	Negligible (1)	Humberside Police
TA9	Transport Accidents	HL13	Maritime Accident	Low	Minor (2)	Negligible (1)	Maritime Coastguard Agency
TA10	Transport Accidents	HL14	Local (road) accident involving transport of fuel/explosives	Medium	Significant (4)	Negligible (1)	Humberside Fire & Rescue Service
TA11	Transport Accidents	HL34	Fire, flooding, stranding or collision involving a passenger vessel in or close to UK waters leading to the ship's evacuation or partial evacuation at sea.	Medium	Significant (4)	Negligible (1)	Maritime Coastguard Agency
TA12	Transport Accidents	HL37	Release of significant quantities of hazardous chemicals/materials as a result of major shipping accident.	Medium	Moderate (3)	Negligible (1)	Maritime Coastguard Agency
TA13	Transport Accidents	HL130	Maritime Incident – Cargo Loss	Low	Minor (2)	Negligible (1)	Maritime Coastguard Agency
SEVERE WEATHER							
SW1	Severe Weather	H17	Storms & Gales	Medium	Moderate (3)	Rare (2)	Met Office
SW2	Severe Weather	H18	Low Temperatures and Heavy Snow	High	Moderate (3)	Unlikely (3)	Met Office
SW3	Severe Weather	H19	Flooding: Major coastal and tidal flooding affecting more than two UK regions.	Very High	Catastrophic (5)	Unlikely (3)	Environment Agency
SW4	Severe Weather	H21	Flooding: Major fluvial flooding affecting parts of more than two UK regions.	Very High	Catastrophic (5)	Unlikely (3)	Environment Agency
SW5	Severe Weather	H48	Heat wave	High	Moderate (3)	Unlikely (3)	Met Office
SW6	Severe Weather	HL16	Local coastal/tidal flooding (affecting more than one Region)	Very High	Significant (4)	Unlikely (3)	Environment Agency
SW7	Severe Weather	HL17	Local coastal/tidal flooding (in one region).	Very High	Significant (4)	Possible (4)	Environment Agency
SW8	Severe Weather	HL18	Local/Urban flooding (fluvial or surface run-off).	Very High	Significant (4)	Possible (4)	Environment Agency
SW9	Severe Weather	HL19	Local fluvial flooding.	Very High	Significant (4)	Possible (4)	Environment Agency
SW10	Severe Weather	HL133	Pluvial Flooding (Local - affecting a village or community)	Very High	Significant (4)	Possible (4)	Environment Agency
SW11	Severe Weather	HL134	Pluvial Flooding (Regional - affecting large urban areas)	Very High	Significant (4)	Possible (4)	Environment Agency
STRUCTURAL HAZARDS							
SH1	Structural	HL21	Land movement (ie caused by tremors or landslides).	Low	Minor (2)	Negligible (1)	Humberside Fire & Rescue Service
SH2	Structural	HL22	Building Collapse	Low	Minor (2)	Rare (2)	Humberside Fire & Rescue Service
SH3	Structural	HL23	Bridge Collapse	Medium	Moderate (3)	Negligible (1)	Humberside Fire & Rescue Service
HUMAN HEALTH							
HH1	Human Disease	H22	Influenza type disease (epidemic)	High	Moderate (3)	Possible (4)	Health Protection Agency
HH2	Human Disease	H23	Influenza type disease (pandemic)	Very High	Significant (4)	Probable (5)	Health Protection Agency
HH3	Human Disease	H24	Emerging infectious diseases.	Medium	Moderate (3)	Rare (2)	Health Protection Agency
HH4	Human disease	HL24	Localised legionella/ meningitis outbreak.	High	Moderate (3)	Possible (4)	Health Protection Agency
ANIMAL HEALTH							
AH1	Animal Health	H25	Non-zoonotic notifiable animal diseases (eg FMD, Classical Swine Fever, Blue Tongue and Newcastle disease of birds).	Medium	Moderate (3)	Rare (2)	Humber Emergency Planning Service
AH2	Animal Health	H26	Zoonotic notifiable animal diseases (eg Highly Pathogenic Avian Influenza (HPAI), Rabies and West Nile Virus)	Medium	Minor (2)	Unlikely (3)	Humber Emergency Planning Service
INDUSTRIAL ACTION							
IA1	Industrial Action	H30	Emergency services: loss of emergency fire and rescue cover because of industrial action.	Medium	Minor (2)	Possible (4)	Humberside Fire & Rescue Service
IA2	Industrial Action	H31	Significant or perceived significant constraint on the supply of fuel, eg industrial action by contract drivers for fuel.	Medium	Minor (2)	Possible (4)	Humber Emergency Planning Service
IA3	Industrial Action	H33	Prison officer strike.	Low	Insignificant (1)	Possible (4)	Humberside Police
IA4	Industrial Action	H35	Industrial action by key rail staff	Low	Minor (2)	Negligible (1)	British Transport Police
IA5	Industrial Action	HL42	Loss of cover due to industrial action by workers providing a service critical to the preservation of life (such as emergency service workers).	Medium	Minor (2)	Unlikely (3)	Humber Emergency Planning Service

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INTERNATIONAL EVENTS							
IE1	International Events	H37	International security incident resulting in influx of British Nationals.	Medium	Minor (2)	Unlikely (3)	Humber Emergency Planning Service
INDUSTRIAL TECHNICAL FAILURE							
ITF1	Industrial Technical Failure	H38	Technical failure of upstream (offshore) oil/ gas network leading to a disruption in upstream oil and gas production.	Medium	Moderate (3)	Rare (2)	Humber Emergency Planning Service
ITF2	Industrial Technical Failure	H39	Failure of water infrastructure or accidental contamination with a non-toxic contamination.	Low	Minor (2)	Negligible (1)	Humber Emergency Planning Service
ITF3	Industrial Technical Failure	H40	No notice failure of a public telephony provider	Medium	Minor (2)	Probable (5)	Humber Emergency Planning Service
ITF4	Industrial Technical Failure	H41	Technical failure of electricity network (Blackstart).	Medium	Moderate (3)	Rare (2)	Humber Emergency Planning Service
ITF5	Industrial Technical Failure	H43	Telecommunication infrastructure - human error.	High	Moderate (3)	Unlikely (3)	Humber Emergency Planning Service
ITF6	Industrial Technical Failure	H45	Technical failure of electricity network	High	Moderate (3)	Unlikely (3)	Humber Emergency Planning Service
ITF7	Industrial Technical Failure	H49	Loss of drinking water supplies due to a major accident affecting infrastructure.	Low	Minor (2)	Negligible (1)	Water Companies
PUBLIC EVENTS							
PE1	Public Events	HL127	Public Events & Mass Gatherings	Low	Insignificant (1)	Unlikely (3)	Humber Emergency Planning Service
PE2	Public Protest	HL128	Large Scale Public Protest	Medium	Moderate (3)	Negligible (1)	Humberside Police
PE3	Public Protest	HL129	Targeted disruptive protest e.g. fuel protest	Medium	Minor (2)	Possible (4)	Humberside Police
LOCAL ENVIRONMENT							
LE1	Local Environment	HL131	Coastal Erosion (Erosion at predicted rates)	Low	Insignificant (1)	Probable (5)	Environment Agency
LE2	Local Environment	HL132	Coastal Erosion (Erosion at rapid and unpredicted rates)	Low	Minor (2)	Rare (2)	Environment Agency