

ESSEX COMMUNITY RISK REGISTER

Formally approved by the ERF Board March 2018.

Ser	NRR REF	HAZARD CATEGORY	RISK DESCRIPTION	ERF RISK RATING	Compound Risks	Planning Assumptions	Planning Activity	Gap Partner Version Only
1	H19	Natural Hazards & Severe Weather	Flooding: Major coastal and tidal flooding affecting parts of more than two UK Regions	Very High (16) Likelihood - 4 Impact - 4	H17, H21, H38, H39, H40, H45	Mass Casualties Mass Fatalities Contamination Trapped People Evacuation & Shelter Disruption to; Transport, Energy, Comms, Health, Water, Sewerage, Food	ERF COPE Police SCG & SCC + KP project JESIP Board ERF Pandemic Plan ERF Excess Death Plans ERF Health Surge Project ERF Recovery Guidance ERF Site Clearance project ERF HA Plans ERF EAC Plans ERF Evacuation Plans ERF Flood Plan (MAFP) ERF Adverse Weather Plan ERF Death Plans ERF Emergency Mortuary Plan ERF Animal Disease Plan & LA TS Plan Mortuary contract LEMA & NEMA NHS Plans Agency Response Plans Business Continuity Planning Agency Flood Plans District High Risk Templates [flood] ERF Plan Validation project ERF Trg & Ex project ERF W&I/GRF.. Project EVN & CSTE Emergency Service Specialists/CasBur/SAR RD & Interoperability ECFRS decon Ambulance decon Sea & Air Ports Security	
2	H23	Human Health	Influenza-type disease (Pandemic)	Very High (16) Likelihood - 4 Impact - 4	H24, H25, H18, H40, H41	Excess Death Excess Casualties Returning UK Nationals Disruption to; Health, Food, Transport, Staffing, Public Services		
3	H41	Industrial Technical Failure	Total failure of GB's National Electricity Transmission Network	Very High (12) Likelihood - 3 Impact - 4	H17, H18, H19, H21, H22, H44, T38	No Notice Mass Casualties Mass/Excess Fatalities Disruption to; Transport, Energy, Comms, Health, Financial, Water & Sewerage, Food		
4	H24	Human Health	Major outbreak of a new or emerging infectious disease (SARS etc)	High (12) Likelihood - 4 Impact - 3	H23, H25, H19, H21, H22	Excess Death Excess Casualties Returning UK Nationals Disruption to; Health, Food, Transport, Staffing, Public Services		
5	H48	Natural Hazards & Severe Weather	Heatwave	High (12) Likelihood - 4 Impact - 3	H50, H57, H62, H35, H39	Excess Casualties Excess Deaths Disruption to; Energy, Transport, Health, Water & Sewerage		
6	H18	Natural Hazards & Severe Weather	Low Temperatures & Heavy Snow	High (12) Likelihood - 4 Impact - 3	H21, H23, H31, H35, H38, H41, H45, T38, H62	Excess Casualties Excess Deaths Disruption to; Energy, Transport, Health, Water & Sewerage		
7	H62	Natural Hazard	Poor Air Quality	High (12) Likelihood - 4 Impact - 3	H18, H48, H50	Excess Casualties Excess Deaths Disruption to; , Health		
8	H56	Natural Hazards & Severe Weather	Severe Space Weather	High (12) Likelihood - 4 Impact - 3	H17, H18, H19, H21, H22, H41, H45	Excess Death Excess Casualties Disruption to; Health, Food, Transport, Comms, Staffing, Public Services, Financial Services		
9	H31	Industrial Action	Actual or threatened significant disruption to fuel supplies including as a result of industrial action by tanker drivers or refinery staff, or effective blockades at key refineries / terminals by protesters	High (9) Likelihood - 3 Impact - 3	H18, H32	Excess Casualties Disruption to; Health, Food, Transport, Comms, Staffing, Public Services, Financial Services		
10	H9	Industrial Accidents / Environmental Pollution	Large toxic chemical release	High (9) Likelihood - 3 Impact - 3	H17, H18, T29	No Notice Mass casualties Mass Fatalities Contamination Disruption to; Transport, Health, Water, Food		

11	H45	Industrial Technical Failure	Disruption to Regional Electricity Distribution or Transmission Network/System	Medium (8) Likelihood - 4 Impact - 2	H17, H18, H19, H22	No Notice Mass Casualties Mass Fatalities Disruption to; Transport, Energy, Comms, Health, Financial, Water & Sewerage, Food	ERF COPE Police SCG & SCC + KP project JESIP Board ERF Pandemic Plan ERF Excess Death Plans ERF Health Surge Project ERF Recovery Guidance ERF Site Clearance project ERF HA Plans ERF EAC Plans ERF Evacuation Plans ERF Flood Plan (MAFP) ERF Adverse Weather Plan ERF Death Plans ERF Emergency Mortuary Plan ERF Animal Disease Plan & LA TS Plan Mortuary contract LEMA & NEMA NHS Plans Agency Response Plans Business Continuity Planning Agency Flood Plans District High Risk Templates [flood] ERF Plan Validation project ERF Trg & Ex project ERF W&I/GRF.. Project EVN & CSTE Emergency Service Specialists/CasBur/SAR RD & Interoperability ECFRS decon Ambulance decon Sea & Air Ports Security	
12	HL4	Industrial Accidents / Environmental Pollution	Major pollution of surface waters and groundwater	Medium (8) Likelihood - 4 Impact - 2	H9, H17, H39	No Notice Mass casualties, Mass Fatalities Contamination Disruption to; Transport, Health, Water, Food		
13	H32	Industry	Fuel Supply (insolvency)	Medium (8) Likelihood - 4 Impact - 2	H18, H31	Disruption to; Fuel, Transport, Comms, Health, Financial, Food, LA/Public services		
14	H17	Natural Hazards & Severe Weather	Storms & Gales	Medium (8) Likelihood - 4 Impact - 2	H15, H19, H22, H35, H41, H45, H60	Excess Casualties Excess Deaths Disruption to; Energy, Transport, Health, Water & Sewerage		
15	H14	Industrial Accidents / Environmental Pollution	Major contamination incident with widespread implications for the food chain arising from: ..An industrial accident affecting food production areas; ..Contamination of animal feed; ..Incidents arising from production processes.	Medium (8) Likelihood - 4 Impact - 2	H24, T?	No Notice Mass Casualties Mass Fatalities Contamination Disruption to; Food		
16	H33	Industrial Action	National strike action by Prison Officers	Medium (8) Likelihood - 4 Impact - 2	H23, H24	Disruption to; LA/ Public Services		
17	H57	Public Disorder	Large scale public disorder in site(s) in a single city, or in multiple cities, occurring concurrently over several days	Medium (8) Likelihood - 4 Impact - 2	H31, H32, H41, H48, H50, H59	Mass Casualties Disruption to; Services		
18	H60 [HL12]	Transport Accidents	Local accident involving transport of hazardous chemicals.	Medium (6) Likelihood - 2 Impact - 3	H16	No Notice Mass Casualties, Mass Fatalities Contamination Disruption to; Food, Health, Transport		
19	HL11	Transport Accidents	Railway accident.	Medium (6) Likelihood - 2 Impact - 3	H17, H18	No Notice Mass Casualties Mass Fatalities Contamination Disruption to; Food, Health, Transport		
20	H4	Industrial Accidents / Environmental Pollution	Fire or explosion at a fuel distribution site, or a site storing flammable and/or toxic liquids in atmospheric pressure storage tanks	Medium (6) Likelihood - 2 Impact - 3	H17, H18	No Notice Mass casualties, Mass Fatalities Contamination Disruption to; Transport, Health, Water, Food		
21	H59	System Fail	Banking	Medium (6) Likelihood 3 Impact 2	H40, H41, H45	Disruption to; Services & Banking		
22	H50	Natural Hazards & Severe Weather	Drought	Medium (6) Likelihood - 3 Impact - 2	H25, H39, H48, H62	Mass Casualties Mass Fatalities Contamination Disruption to; Health, Water, Sewerage		
23	H25/26	Animal Health & Plant Disease	Outbreak of exotic notifiable disease in animals (incl. birds) [Incorporates H26 - Zoonotic]	Medium (6) Likelihood - 3 Impact - 2	H19, H22, H24, H48, H50	Contamination Disruption to; Health, Food, Water, Sewerage		
24	HL2	Industrial Accidents / Environmental Pollution	Localised industrial accident involving large toxic release (e.g. from a site storing large quantities of chlorine)	Medium (6) Likelihood - 3 Impact - 2	H17, H18	No Notice Mass casualties, Mass Fatalities Contamination Disruption to; Transport, Health, Water, Food		
25	HL3	Industrial Accidents / Environmental Pollution	Localised industrial accident involving small toxic release	Medium (6) Likelihood - 3 Impact - 2	H17, H18	No Notice Mass casualties Mass Fatalities Contamination Disruption to; Transport, Health, Water, Food		
26	HL7	Industrial Accidents / Environmental Pollution	Industrial Explosions and Major Fires	Medium (6) Likelihood - 3 Impact - 2	H17, H18	No Notice Mass casualties, Mass Fatalities Contamination Disruption to; Transport, Health, Water, Food		
27	H35	Industrial Action	Industrial action by key Rail or London Underground staff	Medium (6) Likelihood - 3 Impact - 2	H23, H24	Disruption to; Transport, Health, Water, Food		

28	H39	Industrial Technical Failure	Failure of water infrastructure or loss of drinking water	Medium (6) Likelihood - 3 Impact - 2	H17, H19, H50	Disruption to; Water & Sewerage		
29	H22	Natural Hazards & Severe Weather	Flooding: Surface Water Flooding	Medium (6) Likelihood - 3 Impact - 2	H17, H19	Mass Casualties Contamination Trapped People Disruption to; Transport, Energy, Comms, Health, Water, Sewerage, Food		
30	HL14	Transport Accidents	Local (road) accident involving transport of fuel / explosives.	Medium (4) Likelihood - 2 Impact - 2	H60	No Notice Mass casualties, Mass Fatalities Contamination Disruption to; Transport, Health, Water, Food		
31	HL23	Structural	Bridge Closure or Collapse	Medium (4) Likelihood - 1 Impact - 4	H17, H19, H41, H45	No Notice Mass casualties Mass Fatalities Contamination Disruption to; Transport, Health, Water, Food		
32	H1	Industrial Accidents / Environmental Pollution	Fire or explosion at a gas LPG (Liquefied Petroleum Gas) or LNG (Liquefied Natural Gas) terminal (or associated onshore feedstock pipeline) or flammable gas storage site	Medium (4) Likelihood - 2 Impact - 2	H17, H18, H19	Mass Casualties Contamination Trapped People Disruption to; Transport, Energy, Comms, Health, Water, Sewerage, Food	ERF COPE Police SCG & SCC + KP project JESIP Board	
33	H7	Industrial Accidents / Environmental Pollution	Explosion at a high pressure gas pipeline	Medium (4) Likelihood - 2 Impact - 2	H17, H18, H19	Mass Casualties Contamination Trapped People Disruption to; Transport, Energy, Comms, Health, Water, Sewerage, Food	ERF Pandemic Plan ERF Excess Death Plans ERF Health Surge Project ERF Recovery Guidance	
34	H44	Structural	Major reservoir dam failure / collapse	Medium (4) Likelihood - 1 Impact - 4	H38, H39, H40, H41, H45	Mass Casualties Contamination Trapped People Disruption to; Transport, Energy, Comms, Health, Water, Sewerage, Food	ERF Site Clearance project ERF HA Plans ERF EAC Plans	
35	H15A	Industrial Accidents / Environmental Pollution	Release of significant quantities of hazardous chemicals / materials as a result of major shipping accident	Medium (4) Likelihood - 2 Impact - 2	H17, H19	Contamination Disruption to; Transport, Health	ERF Evacuation Plans ERF Flood Plan (MAFP) ERF Adverse Weather Plan ERF Death Plans	
36	HL1	Industrial Accidents / Environmental Pollution	Fire or explosion at a gas terminal or involving a gas pipeline	Medium (4) Likelihood - 2 Impact - 2	H17, H18, H19	Mass Casualties Contamination Trapped People Disruption to; Transport, Energy, Comms, Health, Water, Sewerage, Food	ERF Emergency Mortuary Plan ERF Animal Disease Plan & LA TS Plan Mortuary contract LEMA & NEMA	
37	HL28	Industrial Accidents / Environmental Pollution	Localised fire or explosion at a fuel distribution site or tank storage of flammable and /or toxic liquids	Medium (4) Likelihood - 2 Impact - 2	H17, H18, H19	Mass Casualties Contamination Trapped People Disruption to; Transport, Energy, Comms, Health, Water, Sewerage, Food	NHS Plans Agency Response Plans Business Continuity Planning Agency Flood Plans	
38	H21	Natural Hazards & Severe Weather	Flooding: Severe fluvial flooding affecting more than two UK Regions	Medium (4) Likelihood - 2 Impact - 2	H17, H19, H38, H39, H41, H45	Mass Casualties Contamination Trapped People Disruption to; Transport, Energy, Comms, Health, Water, Sewerage, Food	District High Risk Templates [flood] ERF Plan Validation project ERF Trg & Ex project ERF W&I/GRF.. Project	
39	H42	Transport Accidents	Rapid accidental sinking of a passenger vessel in or close to UK waters.	Medium (3) Likelihood - 1 Impact - 3	H17, H18, H19	No Notice Mass Casualties Mass Fatalities Disruption to; People	EVN & CSTE Emergency Service Specialists/CasBur/SAR RD & Interoperability ECFRS decon	
40	H16	Transport Accidents	Aviation accident over a semi-urban area.	Medium (3) Likelihood - 1 Impact - 3	H17, H54	No Notice Mass Casualties Mass Fatalities Disruption to; People	Ambulance decon Sea & Air Ports Security	
41	H13	International Events	Foreign nuclear accident affecting the UK	Medium (3) Likelihood - 1 Impact - 3	H54, H17	Contamination Disruption to; Transport, Health		
42	H15	Industrial Accidents / Environmental Pollution	Maritime Pollution	Medium (3) Likelihood - 1 Impact - 3	H17, H18, H19	Contamination Disruption to; Transport, Health		
43	HL10	Transport Accidents	Local accident on motorways and major trunk roads.	Low (5) Likelihood - 5 Impact - 1	H17, H18, H19	Disruptions to ; Transport		
44	H54	International Events	Disruption to aviation as a consequence of volcanic ash	Low (4) Likelihood - 4 Impact - 1	H16, H62	Returning UK Nationals Disruptions to ; Transport		

45	H37	International Events	Influx of destitute / vulnerable British Nationals who are not normally resident in the UK and cannot be accommodated by family/friends	Low (4) Likelihood - 4 Impact - 1	H17, H18	Returning UK Nationals Disruptions to ; Transport	ERF COPE Police SCG & SCC + KP project JESIP Board ERF Pandemic Plan ERF Excess Death Plans ERF Health Surge Project ERF Recovery Guidance ERF Site Clearance project ERF HA Plans ERF EAC Plans ERF Evacuation Plans ERF Flood Plan (MAFP) ERF Adverse Weather Plan ERF Death Plans ERF Emergency Mortuary Plan ERF Animal Disease Plan & LA TS Plan Mortuary contract LEMA & NEMA NHS Plans Agency Response Plans Business Continuity Planning Agency Flood Plans District High Risk Templates [flood] ERF Plan Validation project ERF Trg & Ex project ERF W&I/GRF.. Project EVN & CSTE Emergency Service Specialists/CasBur/SAR RD & Interoperability ECFRS decon Ambulance decon Sea & Air Ports Security	
46	H40	Industrial Technical Failure	Disruption or loss of telecom systems	Low (3) Likelihood - 3 Impact - 1	H41, H45	Disruption to; Communications, ES/Public Services		
47	H63	Natural Hazard	Earthquake	Low (2) Likelihood 2 Impact 1	H2, H5, H7	No Notice Mass Casualties Mass Fatalities Disruption to; People		
48	HL42	Industrial Action	Loss of cover due to industrial action by workers providing a service critical to the preservation of life (such as Emergency Service workers)	Low (2) Likelihood - 2 Impact - 1	H23, H24	Disruption to; ES/Public Services		
49	HL9	Transport Accidents	Commercial (large scale) aviation accident.	Low (2) Likelihood - 1 Impact - 2	H17, H18	Mass fatalities Mass casualties Disruption to ES/Public services Contamination Disruption to; Transport, Health		
50	HL34	Transport Accidents	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 or partial evacuation at sea.	Low (2) Likelihood - 1 Impact - 2	H17, H18, H19	Mass Fatalities Mass Casualties		
51	H3	Industrial Accidents / Environmental Pollution	Fire or explosion at an oil refinery	Low (2) Likelihood - 2 Impact - 1	H17, H18	Mass Fatalities Mass Casualties		
52	H5	Industrial Accidents / Environmental Pollution	Fire or explosion at an onshore fuel pipeline	Low (2) Likelihood - 1 Impact - 2	H17, H18, H19	Mass Fatalities Mass Casualties		
53	H11	Industrial Accidents / Environmental Pollution	Accidental release of radioactive material from incorrectly handled or disposed of sources	Low (2) Likelihood - 1 Impact - 2	T43	Mass Fatalities Contamination Mass Casualties		
54	HL25	Industrial Accidents / Environmental Pollution	Localised fire or explosion at a gas terminal as well as LPG, LNG, and other gas onshore feedstock pipeline and flammable gas storage sites	Low (2) Likelihood - 2 Impact - 1	H17, H18	Mass Fatalities Mass Casualties		
55	HL30	Industrial Accidents / Environmental Pollution	Localised explosion at a natural gas pipeline	Low (2) Likelihood - 1 Impact - 2	H17, H18	Mass Fatalities Mass Casualties		
56	HL33	Industrial Accidents / Environmental Pollution	Forest or moorland fire	Low (2) Likelihood - 2 Impact - 1	H17	Contamination Disruption to; ES/Public Services		
57	H38	Industrial Technical Failure	Technical failure of a critical upstream oil/gas facility, gas import pipeline terminal, or Liquefied Natural Gas (LNG) import reception facility leading to a disruption in gas supplies	Low (2) Likelihood - 2 Impact - 1	H17, H18	Disruption to; ES/Public Services		
58	HL37	Transport Accidents	Release of significant quantities of hazardous chemicals / materials as a result of major shipping accident.	Medium (1) Likelihood - 1 Impact - 1	H15, H19	Contamination		
59	HL13	Transport Accidents	Loss of port operations or deliberate blockade resulting in blockage of access to key port, estuary, maritime route for more than one month.	Low (1) Likelihood - 1 Impact - 1	H23	Disruption to; ES/Public Services		
60	HL27	Industrial Accidents / Environmental Pollution	Localised fire or explosion at an oil refinery	Low (1) Likelihood - 1 Impact - 1	H17, H19	Contamination Disruption to; ES/Public Services		

61	HL17	Natural Hazards & Severe Weather	Flooding: Essex Coastal / Tidal Flooding (in one Region)	Risk Excluded
62	HL16	Natural Hazards & Severe Weather	Flooding: Local Coastal and Tidal Flooding affecting more than one Region	Risk Excluded
63	HL19	Natural Hazards & Severe Weather	Flooding: Local / Urban flooding (fluvial or surface run-off)	Risk Excluded
64	HL20	Natural Hazards & Severe Weather	Flooding: Localised extremely hazardous flash flooding	Risk Excluded
65	H58	Natural Hazards & Severe Weather	Severe Wildfires	Risk Excluded
66	H55	Natural Hazards & Severe Weather	Severe Effusive (gas rich) volcanic eruption overseas	Risk Excluded
67	HL43	Animal Health & Plant Disease	Outbreak of plant disease (Cholera Dieback of Ash	Risk Excluded
68	HL9A	Transport Accidents	Small scale aviation accident	Risk Excluded
69	H2	Industrial Accidents / Environmental Pollution	Fire or explosion at an onshore ethylene gas pipeline	Risk Excluded
70	H6	Industrial Accidents / Environmental Pollution	Fire or explosion at an offshore oil/gas platform	Risk Excluded
71	H8	Industrial Accidents / Environmental Pollution	Very large toxic chemical release	Risk Excluded
72	H12	Industrial Accidents / Environmental Pollution	Biological substance release from facility where pathogens are handled deliberately (e.g. pathogen release from containment laboratory)	Risk Excluded
73	H46	Industrial Accidents / Environmental Pollution	Biological substance release during an unrelated work activity or industrial process (e.g. Legionella release due to improperly maintained building environmental control systems)	Risk Excluded
74	HL26	Industrial Accidents / Environmental Pollution	Localised fire or explosion at an onshore ethylene gas pipeline	Risk Excluded
75	5	Natural Hazards & Severe Weather	Flooding: Local / Urban flooding (fluvial or surface run-off)	Risk Excluded
76	HL24	Human Health	Localised legionella / meningitis outbreak	Risk Excluded
77	HL8	Transport Accidents	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.	Risk Excluded
78	HL21	Structural	Land movement (i.e. caused by tremors or landslides)	Risk Excluded
79	HL22	Structural	Building Collapse	Risk Excluded
80	H30	Industrial Action	Emergency Services: loss of emergency Fire & Rescue cover because of industrial action	Risk Excluded
81	H10 now H61	Industrial Accidents / Environmental Pollution	Radioactive substance release from a nuclear reactor	Risk Excluded