NORFOLK RESILIENCE FORUM
preparing for emergencies

Individual Risk Assessments

Hazard/threat Category	
1. Major Industrial accident	
Hazard and threat description, including scale:	
Very large toxic chemical release	

Date of Revision	Next review date
20.11.14	20.11.17

Overview of hazard or threat:

In the most extreme case the following scenario is possible following an onsite incident: the release into the environment of chemicals, in such quantities and concentrations, as to be harmful to the local population and environment, which depending on wind speed, release rate and direction, may spread some distance off site.

Key historical evidence:

- August 2011 - 48 people taken to hospital following Sodium Hypochlorite leak - occurred during delivery of product to Scottish leisure centre.
- September 2011 - 300 litres of Sodium Hypochlorite accidently mixed with Hydrochloric Acid, 23 employees taken to hospital.
- November 2011 - Fire & Rescue Service dealt with 400 litre leak of Sodium Hypochlorite, Luton Industrial Estate.

Likelihood:

Hazard	Likelihood
1. Major Industrial accident	Medium Low

Impact:

Summary:

Hazard	Impact
1. Major Industrial accident	Minor

Details:

Impact associated with risk (i.e 1 of x)

Primary:

- Contamination of land, air and water
- Possible requirement for evacuation
- Potential contamination of public water supply

Secondary

- Possible requirement for long term re housing
- Long term health monitoring/implications
- Decontamination/clear up

<table>
<tr><th colspan="4">Overall assessment:</th></tr>
<tr><td>Category:</td><td colspan="3">Sub Category:</td></tr>
<tr><td colspan="4">1. Major Industrial accident</td></tr>
<tr><td>Likelihood</td><td colspan="2">Impact</td><td>Risk Rating</td></tr>
<tr><td rowspan="6">Medium Low</td><td>Overall</td><td></td><td rowspan="6">Medium</td></tr>
<tr><td>Fatalities</td><td>3</td></tr>
<tr><td>Casualties</td><td>3</td></tr>
<tr><td>Economic</td><td>1</td></tr>
<tr><td>Social Disruption</td><td>2</td></tr>
<tr><td>Psychological</td><td>2</td></tr>
<tr><td colspan="4">Controls in place</td></tr>
<tr><td colspan="4">Top tier COMAH site - site regulated Joint Competent Authority - HSE/EA.
Multi Agency off-site
On-site operator plans.
Single agency response plans
Fixed gas detection systems, CCTV.
National Resilience protocols can be instigated for mass decontamination</td></tr>
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