



Individual Risk Assessments

Hazard and threat description, including scale:	
Failure of water infrastructure or loss of drinking water	
Date of Revision	Next review date
1.10.15	1.10.18
Overview of hazard or threat:	
Loss of or non-availability for drinking, of the piped water supply, for a population of up to 350,000 for more than 24 hours and up to two weeks due to an accident.	
Key historical evidence:	
<ul style="list-style-type: none"> • 2010 - (Dec) Northern Ireland - shortage of potable water due to high number of burst watermains • 2014 - Poringland 	
Likelihood:	
Hazard	Likelihood
Failure of water infrastructure or loss of drinking water	Low
Impact:	
Summary:	
Hazard	Impact
Failure of water infrastructure or loss of drinking water	Limited
Details:	
Impact associated with risk (i.e 1 of x)	
Primary:	
<ul style="list-style-type: none"> • Vulnerable persons, prisons, care homes and hospitals • Loss of or non-availability for drinking, of the piped water supply • Severe effects to patients at home or at a medical premise requiring water • Loss of firefighting media 	
Secondary	
<ul style="list-style-type: none"> • Business impact – food outlets • Economic impacts • Impact on health services such as possible suspension of certain services • Possible public order at water distributions points • Increased risk of contamination/infection • Suspension some public services • Livestock issues – supply to human population will be prioritised 	

Overall assessment:			
Category:			
1. Major Industrial Accident			
Likelihood		Impact	Risk Rating
		Fatalities	1
		Casualties	1
		Economic	2
		Social Disruption	1
		Psychological	2
Low			
Controls in place			
<ul style="list-style-type: none"> • Water companies hold strategic stocks of potable water and have plans on how to prioritise supply and communicate to the public & industry. • The local authority may be asked to help with storage facilities and assistance with the distribution of water • Health based organisations have methods of informing the public about using water safely, but must link directly with the water companies • Mass Alternative Water Supplies Distribution Plan(s) • Community Emergency Plans • National resilience capability to pump large amounts of water • Water companies operate “vulnerable customer lists” • ResCG to manage and regional/national coordination • Public Order procedures • Emergency Services mutual aid arrangements • Agency Business Continuity Plans 			