

**Establishment Information:**

<b>Operator</b>	
Operator Name	EP Ballylumford Ltd
Trading As	EP Ballylumford Ltd
<b>Address</b>	
Establishment Name	Ballylumford Power Station
Address	Ferris Bay Road
Town	Islandmagee
County	Antrim
Post Code	BT40 3RS
<b>Establishment</b>	
Is Establishment subject to COMAH Regulations?	Yes
Upper or Lower tier Establishment?	Upper-Tier
Notification submitted to Competent Authority?	Notification submitted
Activities at establishment	Power generation, supply and distribution
<b>Further Information</b>	
Date of last planned COMAH site visit by the Competent Authority	16/01/2020
Inspection Plan	You can obtain more detailed information about the inspection and the related inspection plan from the <a href="#">Competent Authority</a> .
Further Relevant Information	You can obtain more information from the operator of the establishment

**Information about relevant dangerous substances which could cause a major accident**

Hazard Classification of Relevant Dangerous  
B79-92 Substances

Principle Dangerous Characteristics of These  
Substances In Simple Terms Energetic materials

**Emergency Information**

The following general information does not replace any emergency information already provided if you live / work in close proximity to an upper-tier COMAH establishment.

How public will be warned If a major accident occurs members of the public who may be affected will be warned by the police or by a phone call

**PART 2 Upper Tier Only**

**Accident and Hazard scenarios**

All scenarios that could lead to a major accident have been identified and the necessary measures have been taken to prevent such accidents and limit their consequences to human health and the environment. All people who live or work close to the establishment (i.e. within the public information zone (PIZ)) who may be affected by a major accident have been provided with information on the actions they should take to protect themselves in the event of an emergency.

Safety Report submitted to Competent Authority? Safety Report submitted

**Information about the major accident hazards and scenarios and the control measures in place at this establishment to address them**

Nature of major accident hazards

Accidental release of Dangerous Substances

Explosion

Fire

Main types of major accident scenarios

Explosion - Levels of blast overpressure which may be harmful to humans and animals and damage buildings. Projectiles travelling at high speeds may also spread from the explosion presenting a risk to people, animals and damage buildings. Explosions may also initiate fires.  
 Fire – Ranges from an intense fire lasting several seconds to large fires lasting several minutes or hours. Potential for fire damage to people and the environment and fires may spread to other areas, a drifting cloud of flammable gas may ignite. Fires may generate smoke clouds which may lead to breathing difficulties and deposition of soot on property and vegetation.  
 Release of contaminated fire water containing dangerous substances - to sewer, freshwater, estuarine waters, coastal waters, land or groundwater  
 Toxic gas or smoke – a gas cloud or smoke plume (includes ecotoxic smoke) containing dangerous substances

Control measures to address accident scenarios

Arrangements are in place to ensure all employees have the necessary skills and competencies to do their job and deal with any emergencies that arise  
 Arrangements are in place to inform, instruct, train and supervise the workforce  
 Arrangements are in place to monitor, track and improve health and safety systems  
 Arrangements are in place to prevent or minimise loss of containment of dangerous substances  
 Chemical spillage prevention systems are in place  
 Containment systems are in place for relevant work areas to minimise the loss of spilled material to the environment  
 Emergency arrangements are in place to notify the local water company if dangerous substances are accidentally released into groundwater or freshwater used for drinking water supply  
 Emergency arrangements are in place to notify the operator of the local sewage works if dangerous substances are accidentally discharged into the sewer  
 Emergency arrangements are in place to notify the operator of the local sewage works if dangerous substances are accidentally discharged into the sewer  
 Emergency response systems & procedures are in place  
 Establishment carries out maintenance and inspection to keep equipment in good working order  
 Establishment has a detailed way of working with policy, operating standards and a Health, Safety and Environmental management system to maintain and improve safety and environmental performance  
 Establishment has an automatic/manual fire alarm system connected to a central monitoring station and/or the fire service  
 Establishment has facilities for extraction and ventilation of flammable materials to prevent them causing fires and explosions  
 Establishment has facilities to detect and manage releases of gases that may have harmful effects  
 Establishment has facilities to detect releases of gases and has taken steps to minimise the chance that any releases are ignited  
 Establishment has on-site response facilities to reduce the impact of an incident  
 Good communication systems are in place, internally and with outside agencies to prevent/mitigate major accidents  
 Incompatible materials are segregated and stored separately  
 Isolation procedures are in place to prevent or reduce the extent of an incident  
 Key operating units and storage facilities are fitted with automatic shutdown and isolation systems  
 Key operating units and storage facilities are fitted with fire detection and/or suppressant and/or protection systems.  
 Key operating units and storage facilities have containment systems in place to keep chemicals and firewater on-site  
 Overpressure prevention systems are in place as necessary  
 Procedures are in place to control the activities of contractors or visitors to the site  
 Procedures are in place to manage any changes at the site that could impact on health, safety and the environment

Procedures are in place to manage older processing plant and equipment  
 Procedures are in place to select, use and manage appropriate equipment  
 Procedures in place to identify and manage deviations from normal operating conditions  
 There is elimination of all potential ignition sources to protect against the ignition of flammable material  
 Traffic management arrangements are in place  
 Air pollution prevention systems are in place  
 Air quality monitoring systems are in place

**The potential consequences of major accident hazards**

Potential consequences on Human Health

Injuries (possibly fatal) caused by flying debris etc being ejected from the incident site.  
 Injuries caused by fragments etc being ejected from the incident site  
 Injuries from being blown over by blast pressure  
 Low possibility of injury due to debris from building collapse. Escape from buildings is expected before any collapse  
 Potential for burns to body (possibly life threatening)  
 Traumatic injuries are possible due to being hit by flying fragments and objects  
 Very dense smoke may cause irritation of the lining of the air passages (nose, throat and lungs) the skin and the eyes

Potential consequences on the Environment

Dangerous substances contaminating groundwater  
 Dangerous substances entering coastal waters and causing harm to the marine environment  
 Deposition of dangerous substances on protected habitats – Sites of Special Scientific Interest, Ramsar sites (i.e. wetlands of International importance designated under the Ramsar Convention) etc, that affect the designated status of the site  
 Direct contact with dangerous substances causing harm to specific species of plants  
 Physical damage to and contamination of unlisted buildings and offsite such as houses, schools, offices, etc

Confirmation that arrangements are in place to deal with major accidents and minimise their consequences

This establishment has prepared an internal emergency plan to deal with major accidents and has liaised with the emergency services in order to deal with major accidents and to minimise their effects.

Appropriate information from the external emergency plan about consequences outside the establishment arising from a major accident

An external emergency plan has been drawn up by the local authority to deal with any consequences outside this establishment as a result of a major accident.

Could a major accident impact another EU Country? No