

Generic risk assessment for standard rules set number SR2018 No 7 v1.0

Standard Facility:	standard rules for new, low risk, stationary Medium Combustion Plant 1 < 20MW (in operation after 20/12/2018)
Location:	Applies to all potential locations
Risk assessment carried out by:	Environment Agency
Date:	04-May-18

The scope of the permit and associated rules is defined by the following risk criteria:

Parameter 1 one or more new medium combustion plant (MCP) between 1 and < 20MW which were put in operation after 20/12/2018

Parameter 2 Less than 50 MW aggregated at the specified location

AQ is protected by ELVs for plant that operate > 500 hrs pa .For those that operate < 500 hrs pa there are no ELVs because their emission potential is significantly less

Parameter 3

Parameter 4 These rules set emission limit values on releases to air only

Abbreviations:

SR - Standard Rule

NOx - Oxides of nitrogen

NO2 - Nitrogen Dioxide

CO - Carbon Monoxide

CHP - Combined heat and power

SR (emissions of substances not controlled by emission limits) - emissions of substances shall not cause pollution....., with appropriate measures:

Data and information				Judgement				Action (by permitting)	
Receptor	Source	Harm	Pathway	Probability of exposure	Consequence	Magnitude of risk	Justification for magnitude	Risk management	Residual risk
What is at risk? What do I wish to protect?	What is the agent or process with potential to cause harm?	What are the harmful consequences if things go wrong?	How might the receptor come into contact with the source?	How likely is this contact?	How severe will the consequences be if this occurs?	What is the overall magnitude of the risk?	On what did I base my judgement?	How can I best manage the risk to reduce the magnitude?	What is the magnitude of the risk after management? (This residual risk will be controlled by Compliance Assessment).
Local human population.	Releases of NOx	Harm to human health - respiratory irritation and illness.	Air transport then inhalation.	Low	Medium	Medium	There is potential for exposure to anyone living close to the site or at locations where members of the public might be regularly exposed.	Activities shall be managed and operated in accordance with a management system (will include inspection and maintenance of equipment, including engine management systems), point source emissions to air with emission limits for NOx. Point source emission limits set in Tables 3.1,3.2 and 3.3 of the rules.	Low
Protected nature conservation sites - SACs, SPAs, Ramsar sites and SSSIs.	Releases of NOx	Harm to protected site through toxic contamination, nutrient enrichment, disturbance etc.	Air transport and deposition.	Low	Medium	Low	Emissions to air may cause harm to and deterioration of nature conservation sites.	Activities shall be managed and operated in accordance with a management system (will include inspection and maintenance of equipment, including engine management systems), point source emissions to air with emission limits for NOx. Point source emission limits set in Tables 3.1,3.2 and 3.3 of the rules.	Low

Notes: Red triangle indicates comment containing supporting information

Yellow columns contain drop down menus that allow automatic evaluation of risk in green column