

South Humber Bank Energy Centre

South Marsh Road, Stallingborough, DN41 8BZ

Environmental Impact Assessment: Environmental Statement - Volume I

Town and Country Planning (EIA Regulations) 2017 (as amended)



Applicant: EP SHB Limited
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GLOSSARY OF ABBREVIATIONS AND DEFINITIONS

Abbreviation	Description
ACC	Air Cooled Condenser
AGI	Above Ground Installation - installations used to support the safe and efficient operation of the pipeline; above ground installations are needed at the start and end of a cross-country pipeline and at intervals along the route.
AOD	Above Ordnance Datum - a spot height (an exact point on a map) with an elevation recorded beside it that represents its height above a given datum.
AQMA	Air Quality Management Area – an area designated by the local authority to be managed, through the implementation of a Local Air Quality Management Area, to ensure that it meets national air quality objectives.
BAT	Best Available Technique - the available techniques which are the best for preventing or minimising emissions and impacts on the environment. BAT is required for operations involving the installation of a facility that carries out industrial processes.
BGS	British Geological Survey - provider of objective and authoritative geoscientific data, information and knowledge for the UK.
CAA	Civil Aviation Authority - the UK's specialist aviation regulator.
CCGT	Combined Cycle Gas Turbine – a highly efficient form of energy generation technology. An assembly of heat engines work in tandem using the same source of heat to convert it into mechanical energy which drives electrical generators and consequently generates electricity.
CEMP	Construction Environmental Management Plan - a plan to outline how a construction project will avoid, minimise or mitigate effects on the environment and surrounding area.
CEMS	Continuous Emission Monitoring Systems - a tool to monitor flue gas for oxygen, carbon monoxide and carbon dioxide to provide information for combustion control in industrial settings.
CHP	Combined Heat and Power - a technology that puts to use the residual heat of the combustion process after generation of electricity that would otherwise be lost to the environment.

CIBSE	Chartered Institution Building Services Engineers
EIA	Environmental Impact Assessment – a term used for the assessment of environmental consequences (positive or negative) of a plan, policy, program or project prior to the decision to move forward with the proposed action.
EMS	Environment Management System - the management of an organization’s environmental programs in a comprehensive, systematic, planned and documented manner.
EPC	Engineering Procurement and Construction
EPUKI	EP UK Investments – The Applicant
ES	Environmental Statement - A report in which the process and results of an Environment Impact Assessment are documented.
FGT	Full Gas Treatment - treatment of flue gases to reduce or eliminate toxic and noxious emissions from all combustion-related processes.
HGV	Heavy Goods Vehicle - vehicles with a gross weight in excess of 3.5 tonnes.
HSE	Health and Safety Executive
IZ	Inner Zone – HSE consultation zone
LPA	Local Planning Authority
LWS	Local Wildlife Site - non-statutory sites of nature conservation value that have been designated ‘locally’. These sites are referred to differently between counties with common terms including site of importance for nature conservation, county wildlife site, site of biological importance, site of local importance and sites of metropolitan importance.
MBT	Mechanical Biological Treatment - a generic term for a combination of mechanical equipment (similar to that used in a materials recycling facility to physically separate different materials fractions) and some biological treatment element (aerobic with air or anaerobic without air to biodegrade or biody the organic fraction of the waste).
MMP	Materials Management Plan – a clear and auditable plan for bulk soil movements
MRF	Materials Recovery Facility - uses mechanical pre-treatment so as to recover additional recyclables
MW	Megawatts – unit of energy.
MZ	Middle Zone - HSE consultation zone
NCA	National Character Area – England’s major landscape areas
NELC	North East Lincolnshire Council
NELLCA	North East Lincolnshire Landscape Character Assessment
NGET	National Grid Electrical Transmission – the organisation in charge of operating the GB electricity transmission network
NVZ	Nitrate Vulnerable Zone - areas designated as being at risk from agricultural nitrate pollution
OS	Ordinance Survey - the national mapping agency for Great Britain.
OZ	Outer Zone - HSE consultation zone

RDF	Refuse Derived Fuel - fuel produced from domestic and business waste.
SAC	Special Area of Conservation – high quality conservation sites that are protected under the European Union Habitats Directive, due to their contribution to conserving those habitat types that are considered to be most in need of conservation.
SCR	Selective Catalytic Reduction - a means of converting nitrogen oxides with the aid of a catalyst into diatomic nitrogen and water.
SHBPS	South Humber Bank Power Station
SNCI	Site of Nature Conservation Importance - support both locally and nationally threatened wildlife, and many sites contain habitats and species that are priorities under the county or UK biodiversity action plans.
SNCR	Selective Non-Catalytic Reduction – used to reduce nitrogen oxide emissions
SPA	Special Protection Area – strictly protected sites classified in accordance with Article 4 of the EC Birds Directive. Special Protection Areas are Natura sites which are internationally important sites for the protection of threatened habitats and species.
SSSI	Site of Special Scientific Interest - nationally designated Sites of Special Scientific Interest, an area designated for protection under the Wildlife and Countryside Act 1981 (as amended), due to its value as a wildlife and/or geological site.
ZTV	Zone of Theoretical Visibility - a computer generated tool to identify the likely (or theoretical) extent of visibility of a development.

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