

Millbrook Power Project

Preliminary Environmental Information Report (2017) – Appendices

Volume A

Project Glossary

On behalf of **Millbrook Power Ltd**



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Appendix 1.1 Project Glossary

Project Glossary

Acronym	Term	Description
Access Road	Access Road	The proposed purpose built access road from Green Lane to the Generating Equipment Site. Also see 'Short Access Road' as defined below in this Glossary.
AGI	Above Ground Installation	The Above Ground Installation incorporates the minimum offtake connection (MOC) facility, which would be owned by National Grid, and a Pipeline Inspection Gauge (PIG) Trap Facility (PTF), owned by Millbrook Power Limited. It forms part of the Gas Connection
agriculture	agriculture	<p>Section 336(1) of the Town and Country Planning Act 1990 defines agriculture as including:</p> <ul style="list-style-type: none"> • Horticulture, fruit growing, seed growing, dairy farming; • The breeding and keeping of livestock (including any creature kept for the production of food, wool, skins or fur, or for the purpose of its use in the farming of land); • The use of land as grazing land, meadow land, osier land, market gardens and nursery grounds; and • The use of land for woodlands where that use is ancillary to the farming of land for other agricultural purposes.

air pollutants	air pollutants	Amounts of foreign and/or natural substances occurring in the atmosphere that may result in adverse effects on humans, animals, vegetation and/or materials.
Air Quality Sensitive Receptors	Air Quality Sensitive Receptors	People, property or designated sites for nature conservation that may be at risk from exposure to air pollutants that could potentially arise as a result of the Project.
ALC	Agricultural Land Classification	The ALC provides a method for assessing the quality of agricultural land to enable informed choices to be made about its future use within the planning system.
Ambient	ambient	Background levels.
Amenity	Amenity	The preferable features of a location which contribute to its overall character and the enjoyment of residents or visitors.
Ancient Woodland	Ancient Woodland	Ancient woodland is defined as an area that has been wooded continuously since at least 1600 AD. Ancient Woodland is divided into ancient semi-natural woodland and plantations on ancient woodland sites. Both types of stand are classed as ancient woods.
AADT	annual average daily traffic flows	A daily traffic flow (24 hours), expressed as a mean daily flow across all 365 days of the year (AADT) in units of vehicles per hour.
annual mean concentration	annual mean concentration	The average (mean) of the hourly pollutant concentrations measured or predicted for a one year period.
AOD	Above Ordnance Datum	Ordnance Datum is the vertical datum used by the Ordnance Survey as the

		basis for deriving the height of ground level on maps. Topography may be described using the level in comparison to 'above' ordnance datum.
AONB	Area of Outstanding Natural Beauty	An area designated by Natural England as such under the National Parks and Access to the Countryside Act 1949 by virtue of being a precious landscape whose distinctive character and natural beauty are so outstanding that it is in the nation's interest to safeguard them.
APFP Regulations	Infrastructure Planning (Applications: Prescribed Forms and Procedures) Regulations 2009	Sets out the detailed procedures which must be followed for submitting and publicising applications for Nationally Significant Infrastructure Projects.
APIS	Air Quality Information System	A comprehensive source of information on air pollution and the effects on habitats and species.
Applicant	Applicant	Millbrook Power Limited (MPL)
AQIS	Air Quality Information System	A comprehensive source of information on air pollution and the effects on habitats and species.
AQS	Air Quality Standard	The concentrations of pollutants in the atmosphere, which can broadly be taken to achieve a certain level of environmental quality. The standards are based on assessment of the effects of each pollutant on human health including the effects on sensitive sub-groups.
AQS Objectives	Air Quality Standard objectives	Criteria for the assessment of local air quality expressed in terms of a concentration threshold to be achieved by a certain date. The

		<p>thresholds are established at concentrations considered acceptable in the light of what is known about the effects of each pollutant on human health or ecosystems. The objectives are referred to in the Air Quality Strategy for the purposes of air quality management.</p>
AQMA	Air Quality Management Area	<p>A defined area by virtue of Section 82(3) of the Environment Act 1995, where it appears that the air quality objectives prescribed under the UK Air Quality Strategy will not be achieved. In these areas, a Local Authority must designate Air Quality Management Areas, within which an Action Plan can be proposed to secure improvements in air quality so that prescribed air quality objectives can be achieved.</p>
Aquiclude	Aquiclude	<p>An impermeable body of rock or stratum of sediment that acts as a barrier to the flow of groundwater.</p>
Archaeological Desk Based Assessment	Archaeological Desk Based Assessment	<p>An assessment of the known or potential archaeological resource within a specified area or site on land, inter-tidal zone or underwater. It consists of a collation of existing written, graphic, photographic and electronic information in order to identify the likely character, extent, quality and worth of the known or potential archaeological resource in a local, regional, national or international context as appropriate.</p>

archaeological interest	archaeological interest	Heritage assets with archaeological interest are the primary source of evidence about the substance and evolution of places, and of the people and cultures that made them.
Associated Development	Associated Development	<p>Associated development is development which is subordinate to and necessary for the development and effective operation to its design capacity of the NSIP that is the subject of the application.</p> <p>Both the Gas Connection and Electrical Connection are considered as Associated Development.</p>
Balance of Plant	Balance of Plant	All infrastructure required to support the Gas Turbine Generators within the Generating Equipment Site and includes: stacks; electrical banking compound; fire water tank; administration/ workshop/ control building, maintenance compound; black start generator and gas receiving facility.
BAP	Biodiversity Action Plan	Plans which set specific, measurable, achievable, realistic and time bound conservation targets for species and habitats in the UK.
Baseline	baseline	Environmental conditions at specific periods of time, present on, or near a site, against which future changes may be measured or predicted.
BAT	Best Available Technique	The most effective and advanced stage in the

		development of activities and their methods of operation which indicates the practical suitability of particular techniques for providing the basis for emission limit values and other permit conditions designed to prevent and, where that is not practicable, to reduce emissions and the impact on the environment as a whole.
BBC	Bedford Borough Council	Bedford Borough Council
biodiversity	biodiversity	Abbreviated form of 'biological diversity' referring to variability among living organisms from all sources including, terrestrial, marine and other aquatic ecosystems and the ecological complexes of which they are part.
BS	British Standards	The display of a British Standard number shows that the manufacturer claims to have made the produce in accordance with British Standard. A standard is a published document that contains a technical specification or other precise criteria designed to be used consistently as a rule or definition. Standards are designed for voluntary use and do not impose any regulations. However, laws and regulations may refer to certain standards and make compliance with them compulsory. Sometimes BS will be accompanied by the letters EN and/or ISO. These mean that the standard was developed as a European (EN) or International (ISO)

		standard and then adopted by the UK as a British Standard.
CBC	Central Bedfordshire Council	Central Bedfordshire Council
CCGT	Combined Cycle Gas Turbine	Gas plant technology system comprising Gas Turbine(s) fuelled by natural gas, a Heat Recovery Steam Generator(s) utilising heat from the Gas Turbine exhaust gases, and a steam turbine plant with associated condensing system.
CCR	Carbon Capture Readiness	A large-scale source (emitter) of CO ₂ which could and is intended to be retrofitted with CCS technology when the necessary regulatory and economic drivers are in place.
CCS	Carbon Capture and Storage	The process of capturing waste carbon dioxide from large point sources, such as fossil fuel power plants, transporting it to a storage site, and depositing it where it will not enter the atmosphere.
CCZ	Core Consultation Zone	The area in which MPL focused its primary consultation activity, comprising the area extending approximately 5km from the site of the Power Generation Plant.
CEMP	Construction Environmental Management Plan	Strategic document setting out best practice methods to minimise environmental impacts (including dust) during construction.
CHP	Combined Heat and Power	A cogeneration power station capable of supplying power to the National Grid and also heat to local heat users (such as industry or leisure) through a direct

		connection to waste heat/steam produced as part of the combustion process.
CO	Carbon Monoxide	A colourless, odourless and tasteless gas that is produced from the partial oxidation of carbon containing compounds.
Conservation Area	Conservation Area	An area of special environmental or historical importance that is protected from changes by law by statutory designation.
construction	construction	Within the ES this phrase refers to all construction activities associated with the Project. The construction phase is anticipated to commence in 2020 and be completed by 2022.
Construction Laydown Area	Construction Laydown Area	The area required during construction for storing materials and equipment. It is located within the Power Generation Plant Site.
consultation	consultation	Procedures for assessing public, landowner and statutory consultee opinion about a plan or major development proposal including seeking the views of affected neighbours or others with an interest in the Project or affected land.
contamination	contamination	Where land has been affected by contamination it may present a risk to humans, ecosystems, water quality and property.
controlled waters	controlled waters	Inland freshwaters and groundwater.
critical loads	critical loads	Critical loads are a tool for assessing the risk of air pollution impacts to ecosystems.
cropmarks	cropmarks	A mark that is produced by the effect of underlying archaeological or geological

		features influencing the growth of a particular crop.
Covanta RRF	Covanta RRF Project	The proposed Resource Recovery Facility (RRF) to be developed by Covanta and Veolia to the north of the Generating Equipment Site and for which Covanta Rookery South Limited was granted a DCO consent pursuant to the PA 2008 in the autumn of 2011.
CSM	Conceptual Site Model	The objective of constructing a Conceptual Site Model is to record all the potential pollutant linkages between the source of contamination and the receptors, i.e. the reasonably possible ways in which the receptors may experience exposure and consequent adverse effects.
CTMP	Construction Traffic Management Plan	It is a live document that outlines the management of material movements and interactions with the surrounding road network during the various stages of the construction process.
Cultural Heritage	Cultural Heritage	The legacy of physical artefacts and intangible attributes of a group or society inherited from past generations, maintained in the present and bestowed for the benefit of future generations. Cultural heritage includes both physical culture (such as buildings, monuments, landscapes, books, works of art and artefacts) as well as intangible culture (such as folklore, traditions, language and knowledge).
cumulative effects	cumulative effects	The summation of effects that result from changes caused by a development in

		conjunction with other reasonably foreseeable development that is either consented but not yet constructed or is in the process of seeking consent.
CWS	County Wildlife Site	County Wildlife Sites known nationally as Local Sites, are considered to be of value for wildlife in a county context. While they do not receive statutory protection, they are given some protection through the planning system.
DAS	Design and Access Statement	A short report accompanying and supporting a planning application. It provides a framework for applicants to explain how a proposed design is an appropriate response to the site and its setting, and demonstrate that it can be adequately accessed by prospective users.
dB(A)	A-weighting sound level	<p>The sound pressure level determined when using the frequency-weighting network A. The A-weighting network modifies the electrical response of a sound level meter so that the sensitivity of the meter varies with frequency in approximately the same way that the sensitivity of the human hearing system varies with frequency.</p> <p>The human ear has a non-linear frequency response; it is less sensitive at low and high frequencies and most sensitive in the range of 1 to 4 kHz. The A-weighting is applied to measured or calculated sound pressure levels so that these levels correspond more closely to</p>

		the response of the human ear. A-weighted sound levels are often denoted as dB(A).
DBA	Desk Based Assessment	Research based primarily on database and internet data gathering methods.
DCLG	Department for Communities and Local Government	UK Government ministerial department responsible for policy in the fields of planning and building, local government, UK economy, housing, community and society, and public safety and emergencies.
DCO	Development Consent Order	A Development Consent Order (DCO) is made by the Secretary of State (SoS) pursuant to the Planning Act 2008 (PA 2008) to authorise a Nationally Significant Infrastructure Project (NSIP).
DCO Application	Development Consent Order Application	The Application for a DCO made to the SoS under section 37 of the PA 2008 in respect of the Project, required pursuant to section 31 of the PA 2008 because the Project constitutes an NSIP under section 14(1)(a) and section 15 PA 2008 by virtue of being an onshore generating station in England or Wales of 50 MW capacity or more.
decommissioning	decommissioning	Decommissioning will comprise the removal of all Generating Equipment items and restoration of the Generating Equipment Site to a similar condition compared to before the construction of the Project once operation has ceased. This process will also take approximately 22 months. It is likely that some

		underground structures, including the Gas and Electrical Connections will be capped and left in situ to avoid any adverse environmental effects associated with their removal.
DMRB	Design manual for Roads and Bridges	A widely used methodology for Environmental Impact Assessment (Volume 11) which will be used to assess some impacts of the Project with appropriate modifications.
DPD	Development Plan Documents	Development plan documents (DPD) include the core strategy, allocations, proposals map and action area plans.
Drax	Drax Group PLC.	Drax is one of the UK's largest energy producers and acquired MPL from Watt Power Limited in 2016.
Dust	Dust	Fine particles of solid materials capable of being re-suspended in air and settling only slowly under the influence of gravity where it may cause nuisance.
EA	The Environment Agency	The Environment Agency
EclA	Ecological Impact Assessment	A recommended procedure for the ecological component of Environmental Impact Assessment.
Effect	Effect	The consequence of an impact on the environment.
EHO	Environmental Health Officer	Officer at a local authority which is primarily concerned with protecting the public from the harmful exposures they may encounter in the environment and with improving its health.
EIA	Environmental Impact Assessment	The assessment of the likely significant environmental

		effects of the Project. Undertaken in accordance with the Infrastructure Planning (Environmental Impact Assessment) Regulations 2009.
EIA Regulations	EIA Regulations	For this project the relevant EIA regulations are the Infrastructure Planning (Environmental Impact Assessment) Regulations 2009 as amended.
Electrical Connection	Electrical Connection	The new electrical connection to export power from the Generating Equipment to the National Grid Electricity Transmission System (NETS) for distribution to homes and businesses. It includes a new substation, up to two new underground electrical circuits and up to two Sealing End Compounds (SECs) to connect the substation to the Generating Equipment and the existing 400 kV network.
Electrical Connection Opportunity Area	Electrical Connection Opportunity Area	The area that was investigated for the location of the Electrical Connection.
EMF	Electromagnetic Field	A magnetic field is the magnetic influence of electric currents and magnetic materials.
emission	emission	A material that is expelled or released to the environment. Usually applied to gaseous or odorous discharges to the atmosphere.
Environmental effect	Environmental effect	The consequence of an impact on the environment.
environmental impact	environmental impact	A physical or measurable change to the environment attributable to the Project.
EP	Environmental Permit	A permit (pursuant to the Environmental Permitting (England and Wales)

		Regulations 2016) allows the operator of an installation to carry on various activities which may have an impact on the environment and human health and says what restrictions there are to minimise damage to the environment and human health.
EPS	European Protected Species	European Protected Species are animals and plants that receive protection under the Conservation of Habitats and Species Regulations 2010, in addition to the Wildlife and Countryside Act 1981 (as amended).
EPUK	Environmental Protection UK	UK association of environmental protection specialists.
ES	Environmental Statement	A statement that includes such of the information referred to in Part 1 of Schedule 4 of the EIA Regulations as is reasonably required to assess the environmental effects of the Project which MPL can, having regard in particular to current knowledge and methods of assessment, reasonably be required to compile. It must include at least the information referred to in Part 2 of Schedule 4 of the EIA Regulations
ES NTS	Environmental Statement Non-Technical Summary	A report presenting a non-technical summary of the information in the Environmental Statement.

ExA	Examining Authority	Planning Inspector(s) responsible for conducting the examination of, and recommendation to the SoS as to a decision on, the Application for Development Consent.
exceedance	exceedance	A period of time where the concentrations of a pollutant is greater than, or equal to, the appropriate Air Quality Objective.
features (landscape feature or element)	features (landscape feature or element)	A component part of the landscape (e.g. hedgerow, wood, stream)
Findspot	Findspot	Location of individual or groups of archaeological artefacts.
Flood Zone	Flood Zone	<p>An area identified, through modelling, that is at risk of flooding from rivers or the sea, to varying levels of magnitude and frequency. There are four classifications for flood zones as defined in the National Planning Policy Framework (NPPF): :</p> <ul style="list-style-type: none"> <input type="checkbox"/> <input type="checkbox"/> Zone 1: Low probability (less than 1 in 1000 annual probability of river or sea flooding in any year); <input type="checkbox"/> <input type="checkbox"/> Zone 2: Medium probability (between 1 in 100 and 1 in 1000 annual probability of river flooding or between 1 in 200 and 1 in 1000 annual probability of sea flooding in any year); <input type="checkbox"/> <input type="checkbox"/> Zone 3a: High probability (1 in 100 or greater annual probability of river flooding in any year or 1 in 200 or greater annual probability of sea

		<p>flooding in any given year); and</p> <p>□□Zone 3b: High probability (functional flood plain. Essentially the 1 in 20 or greater annual Probability of flooding in any given year).</p>
FRA	Flood Risk Assessment	<p>A desk based study which considers the contributing factors and predicts / quantifies the risk of flooding to and from a proposed development and also identifies a water level in the event of flooding.</p>
frequency (sound)	frequency (sound)	<p>Frequency (or pitch) of sound in measured in units of Hertz. 1 Hertz (Hz) = 1 cycle/second. The range of frequencies audible to the human ear is around 20 Hz to 18000 Hz (or 18kHz). The capability of a person to hear higher frequencies will reduce with age. The ear is more sensitive to medium frequency than high or low frequencies.</p>
Gas Connection	Gas Connection	<p>A new underground gas Pipeline connection and Above Ground Installation (AGI) to bring natural gas to the Generating Equipment from the Gas National Transmission System (NTS).</p>
Gas Connection Opportunity Area	Gas Connection Opportunity Area	<p>The area that was investigated for specific route corridor options for the Gas Connection.</p>
Gas Turbine Generator	Gas Turbine Generator	<p>One Open Cycle Gas Turbine (OCGT) generator (as proposed in the Power Generation Plant) which utilises the combustion of gas and air to generate hot gases that are routed across</p>

		turbine blades, which generate rotational forces that turn an electrical generator. The exhaust gases are discharged directly to a single stack without providing heat for a secondary steam cycle. The Gas Turbine Generator forms part of the Generating Equipment and is located within the Generating Equipment Site.
Generating Equipment	Generating Equipment	Gas Turbine Generator and Balance of Plant which are located on the Generating Equipment Site.
Generating Equipment Site	Generating Equipment Site	The site where the Generating Equipment is located.
GLVIA	Guidelines for Landscape and Visual Impact Assessment	The third edition of Guidelines for Landscape and Visual Impact Assessment (GLVIA3) was published on the 17 th April 2013 by the Landscape Institute and Institute of Environmental Management and Assessment.
GRF	Gas Receiving Facility	A facility that receives gas. This is part of the Balance of Plant and Generating Equipment.
Grid Code	Grid Code	Specifies technical requirements for connection to, and use of, the National Electricity Transmission System (NETS).
groundwater	groundwater	Water occurring in the ground which can be reasonably attributed to relatively geologically recent recharge and which can be reasonably considered to be wholesome (potable) unless it has been contaminated (altered) by anthropogenic activity.

Habitat	Habitat	The environment in which populations or individual species live or grow.
heritage asset	heritage asset	A building, monument, site, place, area or landscape identified as having a degree of significance meriting consideration in planning decisions, because of its heritage interest. Heritage assets include designated heritage assets identified by the local planning authority (including local listing).
ha	Hectare	A unit area (10,000 m ² / 2.471 acres)
HER	Historic Environment Record	The repository for all archaeological and historical information relating to a county or district.
HGV	Heavy Goods Vehicle	A mechanically propelled road vehicle that is of a construction primarily suited for the carriage of goods or burden of any kind and designed or adapted to have a maximum weight exceeding 3,500 kilograms when in normal use and travelling on a road laden.
historic environment	historic environment	All aspects of the environment resulting from the interaction between people and places through time including all surviving physical remains of past human activity, whether visible, buried or submerged, and landscaped, planted or managed flora. Those elements of the historic environment that hold significance are called heritage assets.
Historic Parks and Gardens	Historic Parks and Gardens	A register of historic parks and gardens of particular historic importance.

HER	Historic Environment Record	The repository for all archaeological and historical information relating to a county or district.
HRA	Habitat Regulation Assessment	There is a legal requirement through the Conservation of Habitats and Species Regulations 2010 (referred to as the Habitat Regulations) (as amended) to consider whether land use plans are likely to have a significant effect on European sites of nature conservation importance prior to the plans being implemented. The assessment is called a Habitats Regulations Assessment. The sites covered by this legislation include Special Protection Areas (SPAs) and Special Areas of Conservation (SACs). National guidance recommends that Ramsar sites are also assessed.
HSE	Health and Safety Executive	The Health and Safety Executive (HSE) is the national independent watchdog for work-related health, safety and illness. It acts in the public interest to reduce work-related death and serious injury across Great Britain's workplaces. HSE is an executive non-departmental public body of the Department for Work & Pensions.
hydrology	hydrology	The movement, distribution and quality of water throughout the earth.
IEMA	Institute of Environmental Management and Assessment (IEMA)	An environmental professional body.

Impact	Impact	A physical or measurable change to the environment attributable to the Project.
JNCC	Joint Nature Conservancy Committee	A public body that advises the UK Government and devolved administrations on UK-wide and international nature conservation.
Key Ecological Receptor	Key Ecological Receptor	Receptor of key ecological value which may be affected by the Project.
km	Kilometre	Measurement of distance (1000 metres).
kV	Kilovolt	Measurement of the amount of electric potential energy equal to 1000 Volts.
Land Plans	Land Plans	The plans showing the land which is to be the subject of compulsory acquisition and submitted with the Application
Landscape and Ecology Mitigation Strategy	Landscape and Ecology Mitigation Strategy	Strategy document highlighting areas for mitigation and enhancement of the landscape and biodiversity value of the area as well as setting out a strategy for screen planting,
Landscape assessment	Landscape assessment	An umbrella term for description, classification and analysis of the landscape.
landscape character	landscape character	The distinct and recognisable pattern of elements that occurs consistently in a particular type of landscape, and how this is perceived by people. It reflects particular combinations of geology, landform, soils, vegetation, land use and human settlement.
landscape effects	landscape effects	Change in the elements, characteristics, character and qualities of the

		landscape as a result of development. These effects can be positive or negative.
LA ₉₀	LA ₉₀	The sound level (in dBA) exceeded for 90% of the time. This level gives an indication of the sound level during the quieter periods of time in any given sample. It is used to describe the “background sound level” of an area.
LA _{eq}	LA _{eq}	The equivalent continuous sound level in dBA. This unit may be described as the “notional steady noise level that would provide, over a period, the same energy as the intermittent noise”. In other words, the energy average level. This unit is now used to measure a wide variety of noise of an industrial or commercial nature, as well as aircraft and trains.
LAQM	Local Air Quality Management	LAQM is the procedure established by the UK government to combat air quality issues at a local level. This framework sets out the responsibilities of local authorities in assessing and improving air quality when the air quality objectives are exceeded.”
LCA	Landscape Character Assessment	The process of identifying and describing variation in the character of the landscape, and using this information to assist in managing change in the landscape. It seeks to identify and explain the unique combination of elements and features that make landscapes distinctive. The process results in the

		production of a Landscape Character Assessment.
LDP	Local Development Plan	The set of documents and plans that sets out the local authority's policies and proposals for the development and use of land in their area, adopted in accordance with the Planning and Compulsory Purchase Act 2004.
Listed Building	Listed Building	<p>The Secretary of State compiles a list of buildings of special architectural or historic interest for the guidance of local planning authorities in the exercise of their planning functions under the Planning (Listed Buildings and Conservation Areas) Act 1990 and the Town and Country Planning Act 1990. Buildings are graded as follows:</p> <ul style="list-style-type: none"> • Grade I – Buildings of exceptional interest; • Grade II* - Particularly important buildings of more than special interest; and • Grade II – Buildings of special interest
LLRS	Low Level Restoration Scheme	The LLRS for Rookery South Pit (assuming no additional proposed developments prior to its completion) aims to restore the pit base to low intensity agricultural land, with a ditch system draining water to a large attenuation pond and pit stabilisation works.
LNR	Local Nature Reserve	A site of importance for wildlife, geology, education or public enjoyment. Some are also nationally important Sites of Special Scientific

		Interest. Local Nature Reserves must be controlled by the local authority through ownership, lease or agreement with the owner.
Local Plan	Local Plan	A detailed district or borough-wide land-use plan, prepared and adopted by a local planning authority, which is part of the statutory development plan. Consists of a written statement which sets out the local planning authority's development control policies and proposals for land use and transport over a period of about 10 years and an Ordnance Survey-based proposals map. This document may be important and relevant in the Secretary of State's decision making process as to whether or not to make a Development Consent Order for a project.
LPA	Local Planning Authority	The local authority or council that is empowered by law to exercise statutory town planning functions for a particular area of the United Kingdom.
LVIA	Landscape and Visual Impact Assessment	A tool used to identify and assess the likely significant effects of change resulting from development both on the landscape as an environmental resource in its own right and on people's views and visual amenity.
m	Metre	Measurement of length
magnitude	magnitude	A combination of the scale, extent and duration of an effect.

Maintenance Compound	Maintenance Compound	A small area of hard standing for use during maintenance procedures.
mbgl	metres below ground level	Unit of measure for elevation using ground level as a reference point.
mitigation measure	mitigation measure	Action proposed to avoid, prevent, reduce and where possible offset adverse effects arising from the whole or specific elements of a development.
mm	Millimetre	Measurement of size
MOC	Minimum Offtake Connection	A connection that will offtake gas directly from the National Transmission System. The MOC forms part of the AGI and therefore the Gas Connection.
MoD	Ministry of Defence	UK government department responsible for implementing the defence policy set by Her Majesty's Government.
MPL	Millbrook Power Limited	Millbrook Power is a subsidiary business of Drax Group PLC. (Drax) which has been established specifically to develop the Project.
MW	Mega Watt	Measurement of power
MWe	Mega Watt Electrical	Measurement of electrical power.
MWth	Mega Watt Thermal	Thermal Power, used for energy input to or heat output from a power station.
national air quality objectives	national air quality objectives	A series of objectives set by the Government's Expert Panel on Air Quality to be achieved either without exception or with a permitted number of exceedances within a specific timescale. For nitrogen dioxide the annual mean limit value and the annual mean objective value are set at the same concentration.

National Park	National Park	A national park is an area designated for its special landscape rich in character and distinctiveness, wildlife history and heritage.
NETS	National Grid Electricity Transmission System	A high-voltage electric power transmission network connecting power stations and major substations, ensuring that electricity generated anywhere in England, Scotland and Wales can be used to satisfy demand elsewhere within the UK.
NGET	National Grid Electricity Transmission	National Grid's principal operations are the ownership and operation of regulated electricity infrastructure networks in the UK
NGG	National Grid Gas	National Grid's principal operations are the ownership and operation of regulated gas infrastructure networks in the UK.
Nitrogen deposition	Nitrogen deposition	Nitrogen deposition is the term used to describe the input of reactive nitrogen species from the atmosphere to the biosphere.
NNR	National Nature Reserve	Established to protect sensitive features and to provide 'outdoor laboratories' for research.
noise	noise	Noise defined as unwanted sound, is measured in units of decibels, dB. The range of audible sounds is from 0dB to 140 dB. Two equal sources of sound, if added together will result in an increase in level of 3 dB i.e. 50dB + 50dB = 53 dB. Increases in continuous

		<p>sound are perceived in the following manner:</p> <ul style="list-style-type: none"> • 1dB increase – barely perceptible • 3dB increase – just noticeable • 10dB increase – perceived as twice as loud
NOx	Nitrous Oxides	Gases produced during combustion, including nitric oxide (NO) and nitrogen dioxide (NO ₂).
NPS	National Policy Statement	Overarching policy designated under the PA 2008 concerning the planning and consenting of NSIPs in the UK.
NSIP	Nationally Significant Infrastructure Project	The Power Generation Plant constitutes a Nationally Significant Infrastructure Project (NSIP) by virtue of s.14(1)(a) and s.15 of the Planning Act 2008 (PA 2008) which include within the definition of a NSIP any onshore generating station in England or Wales of 50 MWe capacity or more.
NSR	Noise Sensitive Receptor	Principally houses (existing or for which planning consent is being sought / has been given) and any building used for long-term residential purposes (such as a nursing home).
NTS	National Transmission System	A network of gas pipelines throughout the United Kingdom that supply gas to power stations from natural gas terminals situated on the coast, and also gas distribution companies which lead indirectly to homes.
OEMP	Operational Environmental Management Plan	The Operational Environmental Management Plan (OEMP) sets out the

		strategies to manage the potential environmental impacts that may occur as a result of operational and maintenance activities on the assets managed by the operator. It will be secured as part of the Environmental Permit Application and is likely to be based on a recognised management system (e.g. ISO14001).
Oil Pipeline	Oil Pipeline	An oil pipeline owned and operated by Compañía Logística de Hidrocarburos which is partly located within the Gas Connection Site and Electrical Connection Site and would be crossed by the Pipeline.
Order	Order	The Millbrook Power (Gas Fired Power Station) Order, being the development consent order made by the Secretary of State authorising the Project, a draft of which is submitted with the Application
Order Land	Order Land	The land shown on the Land Plans which is within the Order Limits and which is to be the subject of compulsory acquisition
Order Limits	Order Limits	The limits shown on the Works Plans within which the Project may be carried out
OCZ	Outer Consultation Zone	An area of an approximate 8km radius from the Project Site and in which MPL carried out consultation activity on the Project proposals.
PA 2008	Planning Act 2008	UK legislation which passes responsibility for examining Development Consent Order (DCO) applications for NSIPs to the Planning

		Inspectorate, who will examine applications and make recommendations for a decision by the relevant Secretary of State (the Secretary of State for Business, Energy and Industrial Strategy in the case of energy NSIP applications).
particulate matter	particulate matter	Solid particles or liquid droplets suspended or carried in the air.
Peaking Plant	Peaking Plant	Peaking plants are used to provide back up or additional electricity supply to the national grid at times when there is a Stress Event on the system.
PEIR	Preliminary Environmental Information Report	This report, which has been prepared for the Phase 2 Statutory Consultation.
2014 PEIR	2014 Preliminary Environmental Information Report	The report that was prepared in 2014 for the Phase 1 Statutory Consultation.
PEIR NTS	Preliminary Environmental Impact Report Non-Technical Summary	A report presenting a non-technical summary of the information in the PEIR.
2014 PEIR NTS	2014 Preliminary Environmental Impact Report Non-Technical Summary	A report presenting a summary of the information in the 2014 PEIR.
Phase 1 Habitat Survey	Phase 1 Habitat Survey	An ecological survey technique that provides a standardised system to record vegetation and wildlife habitats. It enables a basic assessment of habitat type and its potential importance for nature conservation.
Phase 1 Statutory Consultation	Phase 1 Statutory Consultation	Initial phase of statutory consultation pursuant to s42, s47 and s48 of the PA 2008, undertaken between 13

		October 2014 and 16 November 2014.
Phase 2 Statutory Consultation	Phase 2 Statutory Consultation	Second phase of statutory consultation pursuant to s42, s47 and s48 of PA 2008 undertaken between 29 th May and 2 nd July 2017. This PEIR has been published as part of this phase of consultation.
photomontage	photomontage	A type of visualisation or illustration that is based on photographs and that simulates the likely appearance of a proposed development in the photographic view. Photomontages are used as illustrations of the professional judgement of a landscape professional as to the significance of the effect of a project on landscape and visual receptors.
PIG	Pipeline Inspection Gauge	Means a device to perform various maintenance operations on a pipeline.
PINS	The Planning Inspectorate	The government agency responsible for examining applications for NSIPs.
Pipeline	Pipeline	The new underground gas pipeline connection proposed as part of the Gas Connection.
Power Generation Plant	Power Generation Plant	This is the Generating Equipment, Access Road and Construction Laydown Area.
Power Generation Plant Site	Power Generation Plant Site	The site in which the Power Generation Plant will be located.
Principal Aquifer	Principal Aquifer	These are layers of rock or drift deposits that have high intergranular and/or fracture permeability - meaning they usually provide a high level of water storage. They may

		support water supply and/or river base flow on a strategic scale. In most cases, principal aquifers are aquifers previously designated as major aquifer.
Project	Project	Millbrook Power Project comprising the Power Generation Plant, Gas Connection and Electrical Connection.
Project Site	Project Site	The entire area covered by or required in order to deliver the Project. This includes the Power Generation Plant Site, Electrical Connection Site, Gas Connection Site and construction access/laydown and future maintenance access/laydown areas. The Project Site corresponds to the limits of the draft Development Consent Order (the Order Limits).
PRoW	Public Right of Way	An easement granted or reserved by the public over the surface of the land without impediment. Public Rights of Way include public footpaths, bridleways and byways open to all traffic as well as Restricted Byways.
PTF	PIG Trap Facility	PIG traps allow PIGs to be inserted into and removed from a pipeline which is to undergo a 'pigging' program and which is likely to be under pressure.
Ramsar Site	Ramsar Site	Wetlands of international importance, designated under the Ramsar Convention.
receptor	Receptor	A component of the natural, created or built environment such as a human being, water, air, a building, or a

		plant that has the potential to be affected by the Project.
Red Line Boundary	Red Line Boundary	The boundary of the Project Site as shown in the Works Plans.
Registered Parks and Gardens	Registered Parks and Gardens	A register of historic parks and gardens held by English Heritage for parks and gardens of particular historic importance.
Residual effect	Residual effect	Those effects of a development that remain following the implementation of mitigation measures.
Restricted Byways	Restricted Byways	Rights of way along which it is legal to travel by any mode (including on foot, bicycle, horse-drawn carriage etc.) but excluding 'mechanically propelled vehicles'.
RGE	Reciprocating Gas Engine	An engine that employs the expansion of hot gases to push a piston within a cylinder, converting the linear movement of the piston into the rotating movement of a crankshaft to generate power.
Rochdale Envelope	Rochdale Envelope	The Rochdale Envelope allows for a project to evolve over a number of years, within clearly defined parameters. The EIA takes account of the need for such evolution within those parameters, and reflects the likely significant effects of such a flexible project in the ES.
Route Management Strategy	Route Management Strategy	Strategy to set out an appropriate route for construction traffic to avoid impacts on sensitive roads such as villages.
SAC	Special Area of Conservation	Areas of protected habitats and species as defined in

		the European Union's Habitats Directive (92/43/EEC)
SCGT	Simple Cycle Gas Turbine	Gas plant technology system comprising Gas Turbine(s) fuelled by natural gas. The hot exhaust gases are routed directly to the stack without passing through a secondary steam turbine. The generating technology used for the Power Generation Plant. This can also be referred to as OCGT.
Scheduled Monument	Scheduled Monument	A building included in the Schedule of Monuments compiled under Section 1 of the Ancient Monuments, and Archaeological Area Act 1979. Scheduled Monuments have statutory protection under this Act (Section 2) and an application for Scheduled Monument Consent must be made to the Secretary of State for Culture, Media and Sport if work to a Scheduled Monument is proposed.
Scoping	Scoping	An exercise undertaken pursuant to Regulation 8 of the Infrastructure Planning (Environmental Impact Assessment) Regulations 2009 to determine the topics to be addressed within the Environmental Statement.
Scoping Opinion	Scoping Opinion	The Scoping Opinion for the proposed Project issued by PINS dated July 2014.
Scoping Report	Scoping Report	The Scoping Report for the proposed Project prepared by the Applicant and dated June 2014.
Screening	Screening	Consideration as to whether an environmental impact

		assessment is required for a project.
SEC	Sealing End Compound	Part of the Electrical Connection within which 400 kV power cables are taken underground.
scrub	scrub	Vegetation consisting of stunted trees, bushes and other plants.
Secondary A Aquifer	Secondary A Aquifer	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases, forming an important source of base flow to rivers. These are generally aquifers formally classified as minor aquifers.
sensitivity	sensitivity	A term applied to specific receptors, combining judgements of the susceptibility of the receptor to the specific type of change or development proposed and the value related to that receptor.
Short Access Road	Short Access Road	The proposed purpose built access road from the Covanta RRF Project to the Generating Equipment Site. This will only be built in isolation if the Covanta RRF Project has constructed its access road.
SINC	Site of Importance for Nature Conservation	Sites of Importance for Nature Conservation are usually selected within a local authority area and support both locally and nationally threatened wildlife. Many sites will contain habitats and species that are priorities under the county or UK Biodiversity Action Plans (BAP).

SoCC	Statement of Community Consultation	A statement describing how the promoter (applicant) proposes to consult the local community about the proposals.
SoCG	Statement of Common Ground	A jointly prepared document that sets out areas of agreement and disagreement between the affected party and the Applicant.
SoS	Secretary of State	The decision maker for an NSIP application and head of a government department.
species	species	A group of interbreeding organisms that seldom or never interbreed with individuals in other such groups, under natural conditions; most species are made up of subspecies or populations.
SPA	Special Protection Area	Sites classified in accordance with Article 4 of the EC Birds Directive (79/409/EEC) which came into force in April 1979. They are classified for rare and vulnerable birds (as listed on Annex 1 of the Directive), and for regularly occurring migratory species.
SPV	Special Purpose Vehicle	A legal entity created to fulfil the specific purpose of developing a power project.
SPZ	Source Protection Zone	Source Protection Zones are defined for groundwater sources such as wells, boreholes and springs used for public drinking water supply. These zones show the risk of contamination from any activities that might cause pollution in the area.

Stress event	Stress event	A surge in demand for electricity associated with a particular event (e.g. where many people across the country boil kettles following the end of a popular television programme or where there is a sudden drop in power being generated from plants which are constantly operational e.g. a sudden outage).
SSSI	Site of Special Scientific Interest	A site statutorily notified under the Wildlife and Countryside Act 1981 (as amended) as being of special nature conservation or geological interest. SSSIs include wildlife habitats, geological features and landforms.
Stag Energy	Stag Energy Development Company Ltd.	An independent UK based company providing expertise and management services to energy development projects. Stag Energy previously provided management services to MPL and have been retained by Drax through a management services agreement.
Stack	Stack	The structure by which the exhaust gases and waste heat are emitted to the atmosphere. The height of the structure would be between 30m-35m and would contain a silencer to reduce noise emissions. The exhaust gases would be subject to emissions control abatement.
Substation	Substation	400 kV Substation comprising switchgear bays, gantries, emergency power supply, welfare accommodation, cables,

		fencing, lighting, landscaping, battery rooms, control cubicles and internal site roads.
SuDS	Sustainable Drainage System	Sustainable management practices designed to control the rate and quality of surface water runoff into receiving waters, for example the use of swales and wetlands as buffers, as opposed to conventional drainage practices.
TA	Transport Assessment	A quantitative assessment of the transport effects of construction and operational phases of the Project.
topography	topography	The natural or artificial features, level and surface form of the ground surface.
TP	Travel Plan	A travel plan is a package of measures produced by employers to encourage staff to use alternatives to single-occupancy car use.
UK	United Kingdom	The territory of the United Kingdom.
visual amenity	visual amenity	The value of a particular area or view in terms of what is seen.
visual effect	visual effect	Change in the appearance of the landscape from available viewpoints as a result of development.
visual envelope	visual envelope	Extent of visibility to or from a specific location or site.
visual receptors	visual receptors	Individuals and/or defined groups of people who have the potential to be affected by a proposal
WSI	Written Scheme of Investigation	An archaeological method statement describing known and potential archaeological features and deposits and

		proposes a scheme for exploring them.
ZTV	Zone of Theoretical Visibility	Areas from which a specified element of a development may be visible.