# Report for the purposes of Appropriate Assessment Screening

# Project Coolpowra

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On behalf of Coolpowra Flexgen Ltd.

Project Proponent	Coolpowra Flexgen Ltd.	
Project	Project Coolpowra	
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## **Abbreviations**

AA Appropriate Assessment

ABP An Bord Pleanála

CEMP Construction Environmental Management Plan

EEC European Economic Community

EPA Environmental Protection Agency

EU European Union

FWPM Freshwater Pearl Mussel

GIS Geographical Information System

LAP Local Area Plan

NHA Natural Heritage Area

NIS Natura Impact Statement

NPWS National Parks and Wildlife Service

OSI Ordnance Survey Ireland

pNHA proposed Natural Heritage Area

SAC Special Area of Conservation

SPA Special Protection Area

SuDS Sustainable Drainage System

UÉ Uisce Éireann

WFD Water Framework Directive

### 1. Introduction

#### 1.1. General Introduction

This report for the purposes of Appropriate Assessment (AA) Screening contains information required for the competent authority to undertake screening for Appropriate Assessment (AA) in respect of the construction and operation of a Proposed Reserve Gas-Fired Power Generator, GIS Electrical Substation and Energy Storage System at Coolpowra, Ballynaheskeragh, Coolnageeragh and Gortlusky, Co. Galway (hereafter referred to as the Proposed Development) to determine whether it is likely individually or in combination with other plans or projects to have a significant effect on any European sites, in light of best scientific knowledge.

Having regard to the provisions of the Planning and Development Act 2000, as amended (the "Planning Acts") (section 177U), the purpose of a screening exercise under section 177U of the PDA 2000 is to assess, in view of best scientific knowledge, if the proposed development, individually or in combination with other plans or projects is likely to have a significant effect on a European site.

If it cannot be *excluded* on the basis of objective information that the proposed development, individually or in combination with other plans or projects, will have a significant effect on a European site then it is necessary to carry out a Stage 2 appropriate assessment under section 177V of the Planning Acts.

When screening the project, there are two possible outcomes:

- the project poses no potential for the possibility of a significant effect and as such requires no Stage 2 assessment; or
- the project has potential to have a significant effect (or this is uncertain and therefore cannot be excluded) and therefore a Stage 2 Appropriate Assessment of the project is necessary.

This report has been prepared by Moore Group - Environmental Services to enable the competent authority to carry out AA screening in relation to the Proposed Development. The report was compiled by Ger O'Donohoe B.Sc. Applied Aquatic Sciences (ATU Galway, 1993) & M.Sc. Environmental Sciences (TCD, 1999) who has 30 years' experience in environmental impact assessment and has completed numerous Appropriate Assessment Screening Reports and Natura Impact Statements on terrestrial and aquatic habitats for various development types.

#### 1.2. Legislative Background - The Habitats and Birds Directives

Article 6(3) and 6(4) of the Habitats Directive are transposed into Irish Law inter alia by the Part XAB of the Planning Acts (in particular section 177U and 177V) which governs the requirement to carry out appropriate assessment screening and appropriate assessment, where required, per Section 1.1 above.

The Habitats Directive (Council Directive 92/43/EEC of 21 May 1992 on the conservation of natural habitats and of wild fauna and flora) is the main legislative instrument for the protection and conservation of biodiversity in the European Union (EU). Under the Habitats Directive, Member States are obliged to designate Special Areas of Conservation (SACs) which contain habitats or species considered important for protection and conservation in a EU context.

The Birds Directive (Council Directive 2009/147/EC on the conservation of wild birds), transposed into Irish law by the Bird and Natural Habitats Regulations 2011 as amended, and the Wildlife Act 1976, as amended, is concerned with the long-term protection and management of all wild bird species and their habitats in the EU. Among other things, the Birds Directive requires that Special Protection Areas (SPAs) be established to protect migratory species and species which are rare, vulnerable, in danger of extinction, or otherwise require special attention.

SACs designated under the Habitats Directive and SPAs, designated under the Birds Directive, form a pan-European network of protected sites known as Natura 2000. The Habitats Directive sets out a unified system for the protection and management of SACs and SPAs. These sites are also referred to as European sites.

Articles 6(3) and 6(4) of the Habitats Directive set out the requirement for an assessment of proposed plans and projects likely to have a significant effect on Natura 2000 sites.

Article 6(3) establishes the requirement to screen all plans and projects and to carry out an appropriate assessment if required (Appropriate Assessment (AA)). Article 6(4) establishes requirements in cases of imperative reasons of overriding public interest:

Article 6(3): "Any plan or project not directly connected with or necessary to the management of the site but likely to have a significant effect thereon, either individually or in combination with other plans or projects, shall be subjected to an appropriate assessment of its implications for the site in view of the site's conservation objectives. In light of the conclusions of the assessment of the implications for the site and subject to the provisions of paragraph 4, the competent national authorities shall agree to the plan or project only after having ascertained that it will not adversely affect the integrity of the site concerned and, if appropriate, after having obtained the opinion of the general public."

# 2. Methodology

The Commission's methodological guidance (EC, 2002, 2018, 2021 see Section 2.1 below) promotes a four-stage process to complete the AA and outlines the issues and tests at each stage. An important aspect of the process is that the outcome at each successive stage determines whether a further stage in the process is required.

Stages 1 and 2 deal with the main requirements for assessment under Article 6(3). Stage 3 may be part of Article 6(3) or may be a necessary precursor to Stage 4. Stage 4 is the main derogation step of Article 6(4).

**Stage 1 Screening:** This stage examines the likely effects of a project either alone or in combination with other plans and projects upon a Natura 2000 site and considers whether it can be objectively concluded that these effects will not be significant. In order to screen out a project, it must be excluded, on the basis of objective information, that the Proposed Development, individually or in combination with other plans or projects, will have a significant effect on a European site.

Stage 2 Appropriate Assessment: This stage examines whether it is likely that the project, either alone or in combination with other projects or plans, will have a significant effect upon the integrity of a European site. In order to 'screen out' a project (i.e. in order to conclude that it is not necessary to move to the 'Stage 2' appropriate assessment stage (see immediately below), the possibility that the Proposed Development (individually or in combination with other plans or projects), will have a significant effect on the integrity of a European site must be excluded on the basis of objective information.

**Stage 3 Assessment of Alternative Solutions:** This stage examines alternative ways of implementing the project that, where possible, avoid any adverse impacts on the integrity of the Natura 2000 site.

Stage 4 Assessment where no alternative solutions exist and where adverse impacts remain: Where imperative reasons of overriding public interest (IROPI) exist, an assessment to consider whether compensatory measures will or will not effectively offset the damage to the sites will be necessary.

To ensure that the Proposed Development complies fully with the requirements of Article 6 of the Habitats Directive and all relevant Irish transposing legislation, Moore Group compiled this report to enable the competent authority to carry out AA screening in relation to the Proposed Development to determine whether it can be excluded, on the basis of objective information, that the Proposed Development, individually or in combination with other plans or projects, will have a significant effect on a European site(s).

#### 2.1. Guidance

This report has been compiled in accordance with guidance contained in the following documents:

- Appropriate Assessment of Plans and Projects in Ireland Guidance for Planning Authorities.
   (Department of Environment, Heritage and Local Government, 2010 rev.).
- Appropriate Assessment under Article 6 of the Habitats Directive: Guidance for Planning Authorities.
   Circular NPWS 1/10 & PSSP 2/10.
- Managing Natura 2000 Sites: The Provisions of Article 6 of the Habitat's Directive 92/43/EEC (EC, 2018).
- Guidance document on the strict protection of animal species of Community interest under the Habitats Directive (EC, 2021).
- Assessment of plans and projects in relation to Natura 2000 sites Methodological guidance on Article
   6(3) and (4) of the Habitats Directive 92/43/EEC (EC, 2021).

- Office of the Planning Regulator (OPR) Practice Note PN01 Appropriate Assessment Screening for Development Management (OPR, 2021).
- Natura Impact Statement Sustainable Residential Development and Compact Settlement Guidelines for Planning Authorities (NPWS, 2024).

#### 2.2. Data Sources

Sources of information that were used to collect data on the Natura 2000 network of sites, and the environment within which they are located, are listed below:

- The following mapping and Geographical Information Systems (GIS) data sources, as required:
  - o National Parks & Wildlife (NPWS) protected site boundary data;
  - Ordnance Survey of Ireland (OSI) mapping and aerial photography;
  - o OSI/Environmental Protection Agency (EPA) rivers and streams, and catchments;
  - Digital Elevation Model over Europe (EU-DEM);
  - o Google Earth and Bing aerial photography 1995-2024;
- Online data available on Natura 2000 sites as held by the National Parks and Wildlife Service (NPWS)
   from www.npws.ie including:
  - Natura 2000 Standard Data Form;
  - Conservation Objectives;
  - Site Synopses;
- National Biodiversity Data Centre records;
  - Online database of rare, threatened and protected species;
  - o Publicly accessible biodiversity datasets.
- Status of EU Protected Habitats in Ireland. (National Parks & Wildlife Service, 2019); and
- Relevant Development Plans;
  - o Galway County Development Plan 2022-2028

# 3. Description of the Proposed Development

The Proposed Development consists of the construction and operation of:

 A Reserve Gas-Fired Generator comprises three open-cycle gas-fired generator (OCGT) units located within a turbine hall, accompanied by auxiliary equipment. Secondary fuel (gas oil) will be stored in a bunded structure outside the turbine hall, alongside cooling equipment and other electrical plant items (e.g. transformers). The Reserve Gas-Fired Generator will include an above ground installation (AGI) compound

- An underground gas pipeline, designed to operate at pressures of 16bar or higher, will be established by Gas Networks Ireland (GNI) through a separate planning application.
- This pipeline will be directed to the proposed AGI at the development site from the nearest connection point on the gas transmission network.
- The selection and assessment of potential routes of the gas line to the development site will be included in EIAR which will be prepared to support the planning application(s).
- 2. A 400kV Gas Insulated Switchgear (GIS) Substation comprising a two-storey building positioned and secured within a palisade fenced compound. The proposed GIS will upgrade and replace the existing air insulated switchgear (AIS) substation with a new gas GIS substation at Oldstreet. The GIS substation will facilitate connection of the reserve gas fired generator and ESS to the existing node on the transmission network thereby securing energy supply into the future.
- 3. Energy Storage System which includes: (i) a long duration energy storage (LDES) battery (200MW) positioned in an outdoor compound and (ii) a synchronous condenser (400MVA electrical rating) positioned within a building. The technology is designed to complement and support the reserve gas fired generator by providing zero carbon, instantaneous power and balancing power to the grid.

Figure 1 shows the Proposed Development location and Figure 2 shows a detailed view of the Proposed Development boundary on recent aerial photography. Figure 3 shows the layout of the Proposed Development.



Figure 1. Showing the Proposed Development location between Killimor and Portumna, Co. Galway.



Figure 2. Showing the Proposed Development boundary on recent aerial photography.



Figure 3. Plan of the Proposed Development.

### 4. Identification of Natura 2000 Sites

### 4.1. Description of Natura Sites Potentially Significantly Affected

A Zone of Influence (ZoI) of a proposed development is the geographical area over which it could affect the receiving environment in a way that could have significant effects on the Qualifying Interests of a European site. In accordance with the OPR Practice Note (2021), PN01, the ZoI should be established on a case-by-case basis using the Source- Pathway-Receptor framework.

The European Commission's "Assessment of plans and projects in relation to Natura 2000 sites guidance on Article 6(3) and (4) of the Methodological Habitats Directive 92/43/EEC" published 28 September 2021 states at section 3.1.3, that:

"Identifying the Natura 2000 sites that may be affected should be done by taking into consideration all aspects of the plan or project that could have potential effects on any Natura 2000 sites located within the zone of influence of the plan or project. This should take into account all of the designating features (species, habitat types) that are significantly present on the sites and their conservation objectives. In particular, it should identify:

- any Natura 2000 sites geographically overlapping with any of the actions or aspects of the plan or project in any of its phases, or adjacent to them;
- any Natura 2000 sites within the likely zone of influence of the plan or project Natura 2000 sites located in the surroundings of the plan or project (or at some distance) that could still be indirectly affected by aspects of the project, including as regards the use of natural resources (e.g. water) and various types of waste, discharge or emissions of substances or energy;
- Natura 2000 sites in the surroundings of the plan or project (or at some distance) which host fauna that
  can move to the project area and then suffer mortality or other impacts (e.g. loss of feeding areas,
  reduction of home range);
- Natura 2000 sites whose connectivity or ecological continuity can be affected by the plan or project".

The range of Natura 2000 sites to be assessed, i.e. the zone in which impacts from the plan or project may arise, will depend on the nature of the plan or project and the distance at which effects may occur. For Natura 2000 sites located downstream along rivers or wetlands fed by aquifers, it may be that a plan or project can affect water flows, fish migration and so forth, even at a great distance. Emissions of pollutants may also have effects over a long distance. Some projects or plans that do not directly affect Natura 2000 sites may still have a significant impact on them if they cause a barrier effect or prevent ecological linkages. This may happen, for example, when plans affect features of the landscape that connect Natura 2000 sites or that may obstruct the

movements of species or disrupt the continuity of a fluvial or woodland ecosystem. To determine the possible effects of the plan or project on Natura 2000 sites, it is necessary to identify not only the relevant sites but also the habitats and species that are significantly present within them, as well as the site objectives.

The Zone of Influence may be determined by considering the Proposed Development's potential connectivity with European sites, in terms of:

- Nature, scale, timing and duration of all aspects of the proposed works and possible impacts, including
  the nature and size of excavations, storage of materials, flat/sloping sites;
- Distance and nature of potential pathways (dilution and dispersion; intervening 'buffer' lands, roads etc.); and
- Location of ecological features and their sensitivity to the possible impacts.

The potential for source pathway receptor connectivity is firstly identified through GIS interrogation and detailed information is then provided on sites with connectivity. European sites that are located within a potential Zone of Influence of the Proposed Development are listed in Table 1 and presented in Figures 4 and 5, below. Spatial boundary data on the Natura 2000 network was extracted from the NPWS website (www.npws.ie) on 22 May 2024. This data was interrogated using GIS analysis to provide mapping, distances, locations and pathways to all sites of conservation concern including pNHAs, NHA and European sites.

Table 1 European Sites located within the potential Zone of Influence<sup>1</sup> of the Proposed Development.

Site Code	Site name	Distance (km) <sup>2</sup>
000231	Barroughter Bog SAC	5.33
002241	Lough Derg, North-east Shore SAC	5.18
000216	River Shannon Callows SAC	5.09
004058	Lough Derg (Shannon) SPA	5.28
004096	Middle Shannon Callows SPA	5.11
004168	Slieve Aughty Mountains SPA	7.36

The Proposed Development is located within the townlands of Coolpowra, Gortlusky and Treananearla, between Killimor and Portumna, in southeast Co. Galway. Site surveys have established that the site, with the exception of a small section in the southeast corner, drains to the Treananearla Stream, which runs northwest from the site, and enters the Kilcrow River. The Kilcrow flows generally south, discharging into Lough Derg at Stonyisland Bay.

A drainage ditch which runs under the L8763 local road close to its junction with the N65 drains a small section of the southeast of the site which has connectivity to a watercourse which enters the River Shannon north of

<sup>&</sup>lt;sup>1</sup> All European sites potentially connected irrespective of the nature or scale of the Proposed Development.

<sup>&</sup>lt;sup>2</sup> Distances indicated are the closest geographical distance between the Proposed Development and the European site boundary, as made available by the NPWS.

Portumna, and thus has connectivity with the River Shannon Callows SAC (Site Code 000216) and Middle Shannon Callows SPA (Site Code 004096), 4.6km to the southeast. However, there are no works proposed that will have any impact on this drainage ditch and in the absence of a pathway and connectivity, these two sites are screened out at this stage of the assessment.

Barroughter Bog SAC (Site Code 000231), lies close to the Kilcrow River, 5.3km to the southwest. The Kilcrow River runs along the eastern edge of the SAC boundary before it outfalls into Lough Derg. Given the location of the SAC in relation to the Proposed Development and the nature of the qualifying interests for which it is designated (terrestrial habitats) no viable source pathway receptor links are identified and therefore no potential for significant effects to this European site, and it is screened out.

The Slieve Aughty Mountains SPA (Site Code 004168) lies 7.4km to the southwest. The footprint of the Proposed Development has not been identified as an *ex-situ* foraging, roosting or breeding area for any SCI species, and it is screened out.

The Treananearla Stream has connectivity to two European sites at Lough Derg, the Lough Derg, North-east Shore SAC (Site Code 002241), and the Lough Derg (Shannon) SPA (Site Code 004058), 5.2km to the south.

It is proposed to realign a portion of the Treananearla Stream within the site boundary. This will involve construction of a new channel, prior to altering the flow of the stream. Construction management of this portion of the Proposed Development is proposed to prevent any impacts on these two European sites.

The Qualifying Interests (QIs) and Special Conservation Interests (SCIs) of the European sites in the Zone of influence of the Proposed Development are provided in Table 2 below.

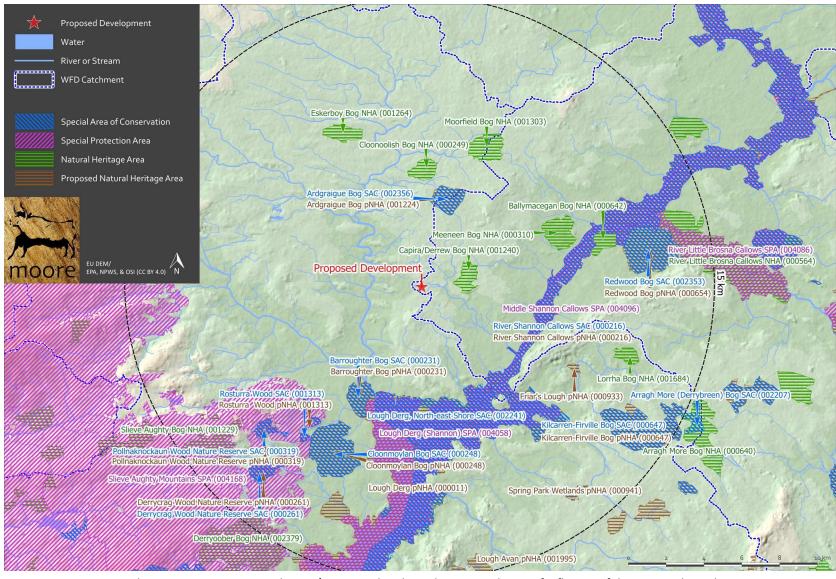


Figure 4. Showing European sites and NHAs/pNHAs within the wider Potential Zone of Influence of the Proposed Development.

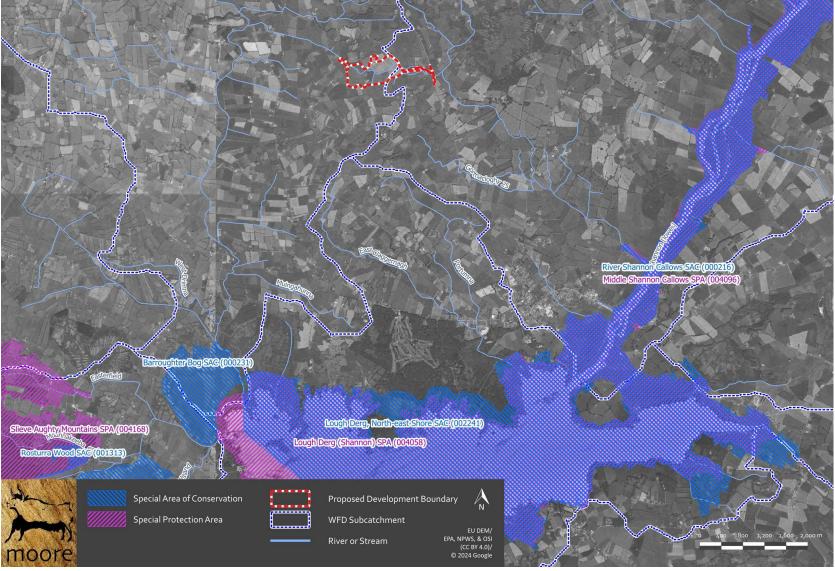


Figure 5. Detailed view of European sites in the nearer Potential Zone of Influence of the Proposed Development.

Table 2 Identification of relevant European sites using Source-Pathway-Receptor model and compilation of information on QIs and conservation objectives. \*Priority Habitats

European Site name, Site code and Conservation Objectives	Location Relative to the Proposed Development Site	Connectivity – Source- Pathway-Receptor	Considered further in Screening – Y/N
Lough Derg Northeast Shore SAC (002241)  The overall aim of the Habitats Directive is to maintain or restore the favourable conservation status of habitats and species of community interest:  5130 Juniperus communis formations on heaths or calcareous grasslands  7210 Calcareous fens with Cladium mariscus and species of the Caricion davallianae  7230 Alkaline fens  8240 Limestone pavements  91E0 Alluvial forests with Alnus glutinosa and Fraxinus excelsior (Alno-Padion, Alnion incanae, Salicion albae)  91J0 Taxus baccata woods of the British Isles  NPWS (2019) Conservation Objectives: Lough Derg, North-east Shore SAC 002241. Version 1. National Parks and Wildlife Service, Department of Culture, Heritage and the Gaeltacht.	5.18km to the south of the Proposed Development	Yes Construction management of the diversion of the Treananearla stream will be required to ensure there are no impacts on this site.	Y
Lough Derg (Shannon) SPA (004058)  The overall aim of the Birds Directive is to maintain or restore the favourable conservation status of habitats and species of community interest:  A017 Cormorant Phalacrocorax carbo  A061 Tufted Duck Aythya fuligula  A067 Goldeneye Bucephala clangula  A193 Common Tern Sterna hirundo  A999 Wetlands  NPWS (2022) Conservation objectives for Lough Derg (Shannon) SPA [004058]. First Order Site-specific Conservation Objectives Version 1.0. Department of Housing, Local Government and Heritage.	5.18km to the south of the Proposed Development	Yes Construction management of the diversion of the Treananearla stream will be required to ensure there are no impacts on this site.	Y

### 4.2. Ecological Network Supporting Natura 2000 Sites

A concurrent GIS analysis of the proposed Natural Heritage Areas (pNHA) and designated Natural Heritage Areas (NHA) in terms of their role in supporting the species using Natura 2000 sites was undertaken along with GIS investigation of European sites. These supporting roles mainly relate to mobile fauna such as mammals and birds which may use pNHAs and NHAs as ecological corridors or "stepping stones" between Natura 2000 sites.

Article 10 of the Habitats Directive and the Habitats Regulations 2011 place a high degree of importance on such non-Natura 2000 areas as features that connect the Natura 2000 network. Features such as ponds, woodlands and important hedgerows were taken into account in the decision process and during the preparation of this AA Screening report.

The NHAs and pNHAs identified in Figure 4 are located outside the Zone of Influence, and there are no areas of supporting habitat that will be impacted by the Proposed Development.

## 5. Identification of Potential Impacts & Assessment of Significance

The Proposed Development is not directly connected with or necessary to the management of the sites considered in the assessment and therefore potential impacts must be identified and considered.

#### 5.1. Assessment of Likely Significant Effects

The consideration of all potential direct and indirect impacts that may result in significant effects on the conservation objectives of a European site, taking into account the size and scale of the Proposed Development are presented in Table 3.

Table 3 Assessment of Likely Significant Effects.

Identification of all potential direct and indirect impacts that may result in significant effects on the conservation objectives of a European site, taking into account the size and scale of the project.		
Impacts:	Significance of Impacts:	
Construction phase e.g.	In the absence of mitigation measures during construction to control potential pollution of surface	
Vegetation clearance	water, the potential effects water quality in the Kilcrow River leading to Lough Derg and on the Lough Derg	
Demolition	North-east Shore SAC (Site Code 002241), and the Lough Derg (Shannon) SPA (Site Code 004058) is uncertain.	

Surface water runoff from soil excavation/infill/landscaping (including borrow pits)

Dust, noise, vibration

Lighting disturbance

Impact on groundwater/dewatering

Storage of excavated/construction materials

Access to site

**Pests** 

It cannot be excluded, on the basis of objective information, that the Proposed Development, individually or in combination with other plans or projects, will have a significant effect on a European site.

#### Operational phase e.g.

Direct emission to air and water

Surface water runoff containing contaminant or sediment

Lighting disturbance

Noise/vibration

Changes to water/groundwater due to drainage or abstraction

Presence of people, vehicles and activities

Physical presence of structures (e.g. collision risks)

All foul and surface water runoff, once the facility is operational, will be contained on site and discharged to urban drainage systems.

There is no real likelihood of any significant effects on European Sites in the wider catchment area.

The facility is located at a distance of removal such that there will be no disturbance to qualifying interest species in any European sites.

#### Describe any likely changes to the European site:

# Examples of the type of changes to give consideration to include:

Reduction or fragmentation of habitat area

Disturbance to QI species

Habitat or species fragmentation

Reduction or fragmentation in species density

Changes in key indicators of conservation status value (water quality etc.)

Changes to areas of sensitivity or threats to QI

Interference with the key relationships that define the structure or ecological function of the site

The Proposed Development site is not located adjacent or within a European site, therefore there is no risk of habitat loss or fragmentation or any effects on QI habitats or species directly or ex-situ.

It can be noted that the habitats recorded during fieldwork and distance from the Lough Derg SPA do not present opportunities to support the bird species for which the Lough Derg (Shannon) SPA (Site Code 004058), 5.2km is designated.

In the absence of mitigation measures during construction to control potential pollution of surface water, the potential effects water quality in the Kilcrow River leading to Lough Derg and on the Lough Derg North-east Shore SAC (Site Code 002241), and the Lough Derg (Shannon) SPA (Site Code 004058) is uncertain.

### 5.2. Assessment of Potential In-Combination Effects

In-combination effects are changes in the environment that result from numerous human-induced alterations. In-combination effects can be thought of as occurring through two main pathways: first, through persistent additions or losses of the same materials or resource, and second, through the compounding effects as a result of the coming together of two or more effects.

As part of the Screening for an Appropriate Assessment, in addition to the Proposed Development, other relevant plans and projects in the area must also be considered at this stage. This step aims to identify at this early stage any possible significant in-combination effects of the Proposed Development with other such plans and projects on European sites.

A review of the National Planning Application Database was undertaken. The database was then queried for developments granted planning permission within 1km of the Proposed Development within the last three years, these are presented in Table 4 below.

Table 4.Planning applications granted permission in the vicinity of the Proposed Development.

Planning Ref.	Description of development	Comments
211906	(a) Retention of existing dwelling house, domestic store and site Entrance on revised site boundaries from previously permitted under 34490 (b) Permission for a new wastewater treatment system with percolation area within the curtilage of the revised site boundary (c) and all associated site works.	The potential for in-combination effects will be assessed at Stage 2 AA.
211935	to construct a new dwelling house, domestic garage, treatment unit with percolation area and all associated site works. Gross floor space of proposed works: 296.06 sqm (house) & 60 sqm (garage)	The potential for in-combination effects will be assessed at Stage 2 AA.
22837	to construct a shed to accommodate milking parlour, dairy, plant room, slatted area with cubicles and feed passage to include collection area, concrete apron, meal bin and all associated site works. Gross floor space of proposed works: 276.52 sqm (shed to accommodate parlour, dairy, etc). Gross floor space of work to be retained: 93.60 sqm (concrete apron)	The potential for in-combination effects will be assessed at Stage 2 AA.
23438	for the following development: installation of a new wastewater treatment system & percolation area to serve an existing dwelling & all associated site works	The potential for in-combination effects will be assessed at Stage 2 AA.
2360849	for the demolition of an existing vacant farmhouse & all associated farm outbuildings (total gross floorspace of demolition works is approximately 609m2); three 400 kV single circuit angle masts (approximately 36.5m high) to facilitate the diversion of the existing Oldstreet-Woodland 400 kV overhead line into the proposed compound;	The potential for in-combination effects will be assessed at Stage 2 AA.

Planning Ref.	Description of development	Comments
	three 400 kV gantry structures to allow connection	
	of the existing 400 kV circuit to the proposed series	
	compensation equipment (approximately 29m	
	high measured to top of lightning rod); three series	
	compensation platforms comprising capacitor	
	bank, metal oxide varistor, triggered air gap &	
	discharge damping circuit (approximately 12m high	
	to top of equipment on platform); a	
	communication & protection equipment single	
	storey control building (gross floorspace	
	approximately 125.8m2 & 5.5m high) with 8no.	
	parking spaces; 400 kV associated electrical	
	equipment, including, insulators, instrument	
	transformers, overhead conductors, lightning	
	masts, disconnectors, circuit breakers & filter	
	reactors; removal of two existing 400 kV overhead	
	line towers & associated overhead cables,	
	conductors & surge arrestors; bat roost	
	compensatory structure (gross floorspace	
	approximately 16m2 & height of 4.5m); & all	
	ancillary site development works including, site	
	preparation works, site clearance & levelling;	
	hardstanding & internal access tracks;	
	underground cabling & earthgrid, surface water	
	drainage network including a soakaway &	
	attenuation tank; palisade internal fencing & gates	
	(approximately 2.6m high) & landscaping as	
	required to facilitate the development	

The Galway County Development Plan in complying with the requirements of the Habitats Directive requires that all Projects and Plans that could affect the Natura 2000 sites in the same potential Zone of Influence of the Proposed Development site would be initially screened for Appropriate Assessment and if requiring Stage 2 AA, that appropriate employable mitigation measures would be put in place to avoid, reduce or ameliorate negative impacts. In this way any, in-combination impacts with Plans or Projects for the proposed development area and surrounding townlands in which the proposed development site is located, would be avoided.

The listed developments have been granted permission in most cases with conditions relating to sustainable development by the consenting authority in compliance with the relevant Local Authority Development Plan and in compliance with the Local Authority requirement with regard to the Habitats Directive. The development cannot have received planning permission without having met the consenting authority requirement in this regard.

Any new applications for the Proposed Development area will be assessed on a case by case basis *initially* by Galway County Council which will determine the requirement for AA Screening as per the requirements of Article 6(3) of the Habitats Directive.

The potential for in-combination effects will be assessed at Stage 2 AA.

#### 6. Conclusion

In the absence of mitigation measures during construction to control potential pollution of surface water, in particular in relation to diversion works on the Treananearla Stream, the potential effect on Lough Derg, Northeast Shore SAC (Site Code 002241), and the Lough Derg (Shannon) SPA (Site Code 004058), is uncertain.

It cannot be excluded, on the basis of objective information, that the Proposed Development, individually or in combination with other plans or projects, will have a significant effect on a European site.

Thus, in line with Departmental Guidance and having regard to ECJ and Irish case law and the 'Precautionary Principle', Stage 2 Appropriate Assessment is required.

A final determination will be made by the competent authority in this regard.

### 7. References

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