Appendix 2.1

European Designated Sites within 10km of the application boundary, statutorily designated sites within 5km of the application boundary and locally designated sites within 2km of the application boundary

European designated sites within 10km of ENRMF

Site name	Designation	Reason for designation	Approximate distance from the application boundary at its closest point	Direction from the application site
Rutland Water	Special Protection Area Ramsar Site of Special Scientific Interest	A very large artificial freshwater reservoir, fringed by a mosaic of wetland habitats which display succession from open water to semi-natural mature woodland. The most interesting semi-terrestrial habitats occur mainly at the western end of the lake and include lagoons, reed swamp, marsh and damp meadows. Counts of wintering water birds regularly exceed 20,000 individuals including internationally important numbers of *Anas strepera* (1,498) and *A. clypeata* (511) and nationally important numbers of several other *Anatidae*. The area is also of regional importance for breeding and passage birds.	8.8km	NW
Barnack Hills and Holes	Special Area of Conservation Site of Special Scientific Interest	Semi-natural dry grasslands and scrubland facies on calcareous substrates. This site hosts the priority habitat type "orchid rich sites". This habitat at Barnack Hills and Holes consists largely of CG5 *Bromus erectus – Brachypodium pinnatum* grassland. It supports what is considered to be the largest UK population of the nationally scarce man orchid *Aceras anthropophorum*. It also supports a rich assemblage of other orchid species, such as fragrant orchid *Gymnadenia conopsea*, pyramidal orchid	7.5km	NE

Site name	Designation	Reason for designation	Approximate distance from the application boundary at its closest point	Direction from the application site
		Anacamptis pyramidalis and bee orchid *Ophrys apifera*. The site represents orchid-rich grassland in the northern part of its range, on limestone rather than on chalk.		

Statutorily designated sites within 5km of ENRMF

Site name	Designation	Reason for designation	Approximate distance from the application boundary at its closest point	Direction from the application site
Collyweston Great Wood and Easton Hornstocks	National Nature Reserve Site of Special Scientific Interest	Largest Northamptonshire remnant of the ancient Purlieu coppices of Rockingham Forest. Large range of semi-natural woodland types, a complex mosaic of vegetation, extremely rich ground flora and many locally-rare plants provide breeding bird fauna.	Adjacent	North and East
Collyweston Quarries	Site of Special Scientific Interest	An area of rough grassland with more than one hundred flowering plant species. Good populations of several species of butterfly and a characteristic invertebrate fauna are present. There are additional geological features of interest.	2.9km	N
Racecourse Farm Fields	Site of Special Scientific Interest	Grazed Jurassic limestone grassland. Several small pits provide microclimatic and soil differences which extend the range of	3.5km	NNE

Site name	Designation	Reason for designation	Approximate distance from the application boundary at its closest point	Direction from the application site
		species and habitats; one pit has an exposure of geological interest.		
Whitewater Valley	Site of Special Scientific Interest	Comprises part of a stream running through Lower Lincolnshire Limestone, and the associated habitats of base poor marsh, tall fen and willow carr.	4.3km	NE
Bonemills Hollow	Site of Special Scientific Interest	Grassland communities of calcareous and marsh types. Additional habitats provided by scrub, willow carr and reeds enhance the value of the area for birds and invertebrates.	1.5km	ENE
Cross Leys Quarry	Regionally important Geological Site	No information available	1.3km	ENE
West Abbot's and Lound Woods	Site of Special Scientific Interest	Range of lowland woodland types many of which are scarce in Britain. A narrow strip of land holds habitats of general wildlife value including a lake and a small marsh.	4.1km	ENE
Bedford Purlieus	National Nature Reserve Site of Special Scientific Interest	Ancient woodland supporting a variety of woodland community types. Great diversity of herbaceous plants and associated fauna.	2km	ESE
Old Sulehay Forest	Site of Special Scientific Interest	Important group of ancient woodlands with diverse ground flora and archaeological features. The rides and clearings add to the floristic interest of the site and provide habitat for butterflies and other insects.	4.6km	ESE
King's Cliffe Banks	Site of Special Scientific Interest	Former Quarry. Oolitic limestone grassland. A high quality, species-rich closed calcareous grassland sward has developed on the thinner soils. Neutral grassland and scrub communities are associated with deeper soils.	2.3km	SSE

Site name	Designation	Reason for designation	Approximate distance from the application boundary at its closest point	Direction from the application site
Wakerley Spinney	Site of Special Scientific Interest	Native broadleaved woodland and semi-natural grassland among extensive softwood plantations. Grassland areas are attractive to butterflies and other insects.	3.5km	WSW
Luffenham Heath Golf Course	Site of Special Scientific Interest	Mosaic of calcareous grassland, scrub and broad-leaved woodland provides an ideal habitat for a diverse insect fauna and butterfly populations.	4.1km	WNW
North Luffenham Golf Course	Site of Special Scientific Interest	Mosaic of calcareous grassland, rich flora and scrub provide an ideal habitat for a diverse insect fauna, including butterflies.	4.9km	NW
Ketton Quarries	Site of Special Scientific Interest	Exposures of Jurassic Limestone and semi-natural limestone grassland and scrub. A complex mosaic of grassland, scrub and woodland vegetation has developed in disused pits and on spoil heaps.	4.8km	NNW
Collyweston Slate Mine	Site of Special Scientific Interest	Exposes the 'Collyweston Slate' of the Jurassic lower Lincolnshire Limestone Formation	2.2km	N

Locally designated sites within 2km of ENRMF

Site name	Designation	Reason for designation	Approximate distance from the application boundary at its closest point	Direction from the application site
Fineshade Woods	Local Wildlife Site	Mixed plantation on ancient woodland site with neutral grassland and ponds.	Adjacent	W
Fineshade Lane	Local Wildlife Site	No information available	1.1km	W
Collyweston Quarry	Local Geological Site	An active quarry with important limestone formations.	0.5km	NW
Potential Wildlife Site-Category 1. Ref. 659.	Potential Wildlife Site	No information available.	Adjacent to the northern boundary of the western extension	N
Potential Wildlife Site-Category 1. Ref. 742	Potential Wildlife Site	No information available.	Partly within the northern part of the existing ENRMF facility	N
Potential Wildlife Site-Category 1. Ref. 743	Potential Wildlife Site	No information available.	Within the northern part of the existing ENRMF facility	