

**Table 1 – Humber Estuary SSSI, Ramsar Site, SAC & SPA Habitats Risk Assessment**

Receptor Name	Type of Receptor	Direction from Site Boundary	Distance from site Boundary (metres)	Reason for designation	
Humber Estuary	Site of Special Scientific Interest (SSSI), Ramsar Site, Special Area of Conservation (SAC) & Special Protected Area (SPA).	East and North-East	890 m	Largest macro-tidal coastal estuary in the British North Sea, draining about 20% of the total surface area of England. It supports a huge variety of habitats and species. In the non-breeding season, the Humber Estuary regularly supports over 150,000 individual waterbirds. <sup>1</sup>	
Hazard	Pathway	Probability	Consequence	Risk Management	Risk
Odour	Air	Very Low	Very Low	The site deals with inert construction and excavation waste which is not expected to generate problematic malodours. There is significant intervening distance between the facility and the receptor. Odour emissions are unlikely to have an effect upon the identified receptor.	Very Low
Release of particulate matter (dust)	Air	Low	Low	There is a significant intervening distance between the facility and the receptor. Dust emissions are unlikely to have an adverse effect upon the identified receptor. To minimise the emission of dust from the use of site roads, speed limits of 10 mph are imposed on all vehicles using the site. The main access roads are swept with a mechanical road sweeper when deemed necessary. Also, during dry conditions, a water bowser is used to spray the roads and the operational area to prevent 'wind whipping' and dust generation from vehicle movements. In particularly sensitive locations e.g. the crusher, or during adverse weather conditions (i.e. dry weather with high winds), consideration is given to the use of static water sprays which will provide continuous protection against dust emissions. All waste delivery and transfer vehicles will be required to be either sheeted or fully enclosed. Visual dust monitoring will be conducted throughout the working day. Any observed problems are reported to the Site Manager or Deputy for investigation of the cause and determination of any remedial action required (e.g. additional road sweeping, water spraying and monitoring).	Very Low
Runoff/Loss of Containment	Groundwater and Surface Water	Low	Moderate	The site comprises a permeable hardstanding surface (e.g. gravel) which means that the majority of rainwater falling on the site, as well as any water used on site for dust suppression, will percolate down into the underlying soil. Owing to the inert nature and type of wastes accepted and treated at the site, it is highly unlikely that any run-off will be contaminated, and containment is not required. There is a significant intervening distance between the facility and the receptor. There is no direct hydraulic connection between the designated site and facility.	Very Low

<sup>1</sup> Natural England (2011) *Humber Estuary Designations and Conservation Objectives; Humber Conference*. (Accessed February 2021) [Will\\_Maclennan\\_NE.pdf \(tide-project.eu\)](#)

Birds, vermin and insects	Air and over land	Very Low	Moderate	The site only accepts inert wastes which are unlikely to attract scavengers and pests. Site personnel will conduct precautionary visual assessments when visiting site. If necessary, bird and other pest control measures can be implemented at the site.	Very Low
Habitat Disturbance	Air and water	Very Low	Moderate	There is a significant intervening distance between the facility and the receptor. The site is an inert and excavation waste transfer station with treatment and is highly unlikely to cause contamination of its surrounding areas. Waste acceptance criteria and procedures are strictly adhered to in order to ensure that any non-confirming or potentially hazardous substances are no accepted at the site. The site is managed and monitored in accordance with its Environmental Permit to ensure that it is not adversely affecting its surrounding environment.	Very Low
Habitat Loss	Air and Water	Very Low	Moderate	There is a significant intervening distance between site and the receptor. The site is an inert and excavation waste transfer station with treatment and is highly unlikely to cause contamination of its surrounding areas. Waste acceptance criteria and procedures are strictly adhered to in order to ensure that any non-confirming or potentially hazardous substances are no accepted at the site. The site is managed and monitored in accordance with its Environmental Permit to ensure that it is not adversely affecting its surrounding environment.	Very Low
Nutrient Enrichment	Air and Water	Low	Moderate	The site only accepts inert and excavation waste which will not result in nutrient enrichment. The site is managed and monitored in accordance with its Environmental Permit. There is a significant intervening distance between site and the receptor. There is no direct hydraulic connection between the facility and the receptor	Very Low
Predation	Land, air or water	Low	Moderate	Not applicable due to nature of site and intervening distance from the designated site.	Very Low
Siltation	Water	Very Low	Moderate	There is a significant intervening distance between site and the receptor and any intervening water courses. The facility comprised permeable hardstanding to limit run-off	Very Low
Smothering	Air	Very Low	Very Low	There is a significant intervening distance between the site and the receptor.	Very Low
Toxic Contamination	Air, land or water	Very Low	Moderate	The site only accepts inert and excavation waste which will not result in contamination. The site is managed and monitored in accordance with its Environmental Permit. There is a significant intervening distance between the facility and the receptor. There is no direct hydraulic connection between the designated site and facility.	Very Low

**Table 2 – Protected Habitat – Chalk Rivers Habitats Risk Assessment**

Receptor Name	Type of Receptor		Direction from Site Boundary	Minimum Distance from site Boundary (metres)	Reason for designation	
Chalk Rivers & European Water Vole	Protected Habitat and Specie		North West	70 m	Chalk rivers are very biodiverse, and many have been poorly conserved, hence their protection in certain areas as protected habitats. They are capable of supporting many flora and fauna, including protected species in the area, such as the European Water Vole, which have had confirmed sightings in the drain and ditch networks in the wider areas around the site.	
Hazard	Pathway	Probability	Consequence		Risk Management	Risk
Odour	Air	Very Low	Very Low		The site deals with inert construction and excavation waste which is not expected to generate problematic malodours.  There is significant intervening distance between the facility and the receptor.  Odour emissions are unlikely to have an effect upon the identified receptor.	Very Low
Release of particulate matter (dust)	Air	Low	Low		Dust emissions are unlikely to have an adverse effect upon the identified receptor.  To minimise the emission of dust from the sue of site roads, speed limits of 10 mph are imposed doe all vehicles using the site.  The main access roads are swept with a mechanical road sweeper when deemed necessary. Also, during dry conditions, a water bowser is used to spray the roads and the operational area to prevent 'wind whipping' and dust generation from vehicle movements.  In particularly sensitive locations e.g. the crusher, or during adverse weather conditions (i.e. dry weather with high winds), consideration is given to the use of static water sprays which will provide continuous protection against dust emissions.  All waste delivery and transfer vehicles will be required to be sheeted or fully enclosed.  Visual dust monitoring will be conducted throughout the working day. Any observed problems are reported to the Site Manager or Deputy for investigation of the cause and determination of any remedial action required (e.g. additional road sweeping, water spraying and monitoring).	Low
Runoff/Loss of Containment	Groundwater and Surface Water	Low	Moderate		The site comprises a permeable hardstanding surface (e.g. gravel) which means that the majority of rainwater falling on the site, as well as any water used on site for dust suppression, will percolate down into the underlying soil. Owing to the inert nature and type of wastes accepted and treated at the site, it is highly unlikely that any run-off will be contaminated, and containment is not required.  There is no direct hydraulic connection between the designated site and facility.	Low
Birds, vermin and insects	Air and over land	Very Low	Moderate		The site only accepts inert wastes which are unlikely to attract scavengers and pests and are not putrefiable.  Site personnel will conduct precautionary visual assessments when visiting site. If necessary, bird and other pest control measures can be implemented at the site.	Low

Habitat Disturbance	Air and water	Very Low	Moderate	<p>The site is an inert and excavation waste transfer station with treatment and is highly unlikely to cause contamination of its surrounding areas. Waste acceptance criteria and procedures are strictly adhered to in order to ensure that any non-confirming or potentially hazardous substances are not accepted at the site.</p> <p>The site is managed and monitored in accordance with its Environmental Permit to ensure that it is not adversely affecting its surrounding environment.</p>	Low
Habitat Loss	Air and Water	Very Low	Moderate	<p>The site is an inert and excavation waste transfer station with treatment and is highly unlikely to cause contamination of its surrounding areas. Waste acceptance criteria and procedures are strictly adhered to in order to ensure that any non-confirming or potentially hazardous substances are not accepted at the site.</p> <p>The site is managed and monitored in accordance with its Environmental Permit to ensure that it is not adversely affecting its surrounding environment.</p>	Low
Nutrient Enrichment	Air and Water	Low	Moderate	<p>The site only accepts inert and excavation waste which will not result in nutrient enrichment.</p> <p>The site is managed and monitored in accordance with its Environmental Permit.</p> <p>There is no direct hydraulic connection between the designated site and facility.</p>	Low
Predation	Land, air or water	Low	Moderate	Not applicable due to nature of site.	Low
Siltation	Water	Very Low	Very Low	<p>There is a significant intervening distance between site and the receptor and any intervening water courses.</p> <p>The facility comprised permeable hardstanding to limit run-off</p>	Low
Smothering	Air	Low	Moderate	There is a significant intervening distance between the site and the receptor.	Low
Toxic Contamination	Air, land or water	Low	Moderate	<p>The site only accepts inert and excavation waste which will not result in toxic contamination.</p> <p>The site is managed and monitored in accordance with its Environmental Permit.</p> <p>There is no direct hydraulic connection between the designated site and facility.</p>	Low