

# Medworth Energy from Waste Combined Heat and Power Facility

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## Environmental Statement Chapter 19: Schedule of Mitigation and Monitoring

Regulation reference: The Infrastructure  
Planning (Applications: Prescribed Forms  
and Procedure) Regulations 2009  
Regulation 5(2)(a)

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Table 19.1 Mitigation and monitoring measures

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## 19. Introduction

19.1.1 This chapter summarises the committed mitigation and monitoring measures intended for the Proposed Development which are set out within the preceding chapters and appendices of this Environmental Statement. Where relevant, cross references are provided to the Development Consent Order (DCO) Requirements (**Draft DCO Volume 3.1**) that will secure the measures.

19.1.2 The requirement to consider mitigation measures is included in Schedule 4 (paragraph 7) to the Infrastructure Planning Environmental Impact Assessment (EIA) Regulations 2017 (as amended) (the Infrastructure EIA Regulations 2017): “a description of the measures envisaged to avoid, prevent, reduce or, if possible, offset any identified significant adverse effects on the environment and, where appropriate, of any proposed monitoring arrangements”.

19.1.3 Chapters 6-17 describe the embedded and further mitigation measures which are relied upon for assessment work. These measures are designed to avoid or reduce the significance of adverse effects where possible. This Chapter summarises those measures and should be read in conjunction with the rest of the **ES (Volume 6.2)** including the following **ES Appendices (Volume 6.4)** and other, relevant, application documents:

- Outline Construction Traffic Management Plan (CTMP) (**Volume 6.4**);
- Outline Landscape and Ecology Strategy (**Volume 6.4**);
- Outline Operational Noise Management Plan (**Volume 6.4**);
- Outline Operational Travel Plan (**Volume 6.4**);
- Outline Lighting Strategy (**Volume 6.4**);
- Outline Drainage Strategy (**Volume 6.4**);
- Flood Risk Assessment (**Volume 6.4**);
- Outline Landscape and Ecology Management Plan (**Volume 7.7**);
- Outline Flood Emergency Management Plan (**Volume 7.9**);
- Outline Fire Prevention Plan (**Volume 7.10**);
- Outline Odour Management Plan (**Volume 7.11**); and
- Outline Construction Environmental Management Plan (CEMP) (**Volume 7.12**).

### 19.2 Medworth EfW Proposed Development Mitigation Summary

19.2.1 **Table 19.1 Mitigation and monitoring measures** contains the embedded and further measures relating to the Proposed Development.



Table 19.1 Mitigation and monitoring measures

Ref	Topic	Project Stage	Measures	Implementation	Responsibility
<b>Traffic and Transport</b>					
1	ES Chapter 6 Traffic and Transport  Section 6.9 Table 6.21  Table 6.36	Construction	The proposed HGV routing during the construction period to individual accesses has been developed to avoid impacts on the Elm High Road/Churchill Road corridor.  A Proposed Light Vehicle (LV) routing strategy would be adopted in accordance with the outline strategy set out in <b>Appendix 6A Outline CTMP (Volume 6.4)</b> .	DCO Requirement 11 (Construction traffic management plan):  <b>Appendix 6A Outline CTMP</b> which includes the <b>HGV Access Strategy and LV Access Strategy (Volume 6.4)</b>	Applicant
2	ES Chapter 6 Traffic and Transport  Section 6.9 Table 6.21  Table 6.36	Construction	Highways condition surveys would be undertaken before, during and after the construction phase. Repairs would be made to any damage caused to highways as a result of construction vehicles on the local and strategic highways network, subject to agreement with the relevant highways authorities.	DCO Requirement 11 (Construction traffic management plan):  <b>Appendix 6A Outline CTMP (Volume 6.4)</b>  Paras 7.4.19-7.4.22	Applicant
3	ES Chapter 6 Traffic and Transport  Section 6.9 Table 6.21	Construction	Night-time working for the construction of the Grid Connection along the verge of the A47 to mitigate effects upon adjoining road users.	DCO Requirement 11 (Construction traffic management plan):  <b>Appendix 6A Outline CTMP (Volume 6.4)</b>	Applicant



Ref	Topic	Project Stage	Measures	Implementation	Responsibility
	Table 6.36			Para 6.2.9	
4	ES Chapter 6 Traffic and Transport  Section 6.9 Table 6.21	Construction	<p>Specific mitigation measures to include:</p> <ul style="list-style-type: none"> <li>• Potential Road Closures and Diversions;</li> <li>• Temporary diversion signage;</li> <li>• Other Locations Requiring Traffic Management;</li> <li>• Traffic Signage;</li> <li>• Core working hours;</li> <li>• HGV construction vehicle records;</li> <li>• HGV emissions;</li> <li>• Banksperson or presence of qualified personnel at access;</li> <li>• Timing of HGV movements;</li> <li>• Exceptional circumstances;</li> <li>• Cleaning of vehicles;</li> <li>• Highway condition surveys;</li> <li>• Delivery Management Systems;</li> <li>• Information packs and communication; and</li> </ul> <p>Management and Mitigation Measures requested by key stakeholders (Royal Mail).</p>	DCO Requirement 11 (Construction traffic management plan):  <b>Appendix 6A Outline CTMP (Volume 6.4)</b>	Applicant
5	ES Chapter 6 Traffic and Transport  Section 6.9 Table 6.21	Operation	<p>The proposed HGV routing during the operational period has been developed to avoid impacts on the Elm High Road/Churchill Road corridor and the Cromwell Road North of Weasenham Lane and Weasenham Lane itself.</p>	DCO Requirement 12 (Operational traffic management plan):  <b>Outline Operational Traffic Management Plan (Volume 7.15)</b>	Applicant



Ref	Topic	Project Stage	Measures	Implementation	Responsibility
6	ES Chapter 6 Traffic and Transport  Section 6.9 Table 6.21	Operation	The operational site access proposals to the EfW CHP Facility on New Bridge Lane and Algores Way have been designed to DMRB standards and provided with appropriate visibility splays to ensure the safety of road users.	DCO Requirement 7 (Highway access):  <b>Figure 3.18 Design Case New Bridge Lane Access Design (Volume 6.3)</b>	Applicant
7	ES Chapter 6 Traffic and Transport  Section 6.9 Table 6.21  Table 6.36	Operation	The Access Improvement works proposed on New Bridge Lane including widening the road have been designed to DMRB standards and provide for a pedestrian route and pedestrian crossing points.	DCO Requirement 7 (Highway access):  <b>Figure 3.18 Design Case New Bridge Lane Access Design (Volume 6.3)</b>	Applicant
8	ES Chapter 6 Traffic and Transport  Section 6.9 Table 6.21	Operation	Inclusion of targets for the reduction in the use of the car to travel to work.  Encouragement to use sustainable forms of transport and supporting infrastructure such as cycle parking, signage and pedestrian footways.  Appointment of a travel plan co-ordinator.	DCO Requirement 15 (Operational travel plan):  <b>Appendix 6C Outline Operational Travel Plan (Volume 6.4)</b>	Applicant



Ref	Topic	Project Stage	Measures	Implementation	Responsibility
<b>Noise &amp; Vibration</b>					
9	ES Chapter 7 Noise and Vibration Section 7.7 Table 7.40	Construction	Undertaking construction in accordance with good practice and where the potential for significant effects arises, applying BPM in accordance with the recommendations in BS 5228:1-2009+A1:2014.	DCO Requirement 10 (Construction environmental management plan):  <b>Outline CEMP Appendix F Outline CNVMP (Volume 7.12)</b>  Paras 2.2.1 – 2.2.3	Applicant
10	ES Chapter 7 Noise and Vibration Section 7.7 Table 7.18, Table 7.40	Construction	All activities to be undertaken within normal working hours for construction, except in emergency circumstances and those listed in <b>Chapter 3 Description of the Proposed Development (Volume 6.2)</b> . S61 Application for construction activities likely to give rise to noise and vibration effects.	DCO Requirement 10 (Construction environmental management plan):  <b>Outline CEMP Appendix F Outline CNVMP (Volume 7.12)</b>  Para 2.3.2	Applicant
11	ES Chapter 7 Noise and Vibration Section 7.7 Table 7.18, Table 7.40	Operation	Noise and vibration limited at night with delivery of waste from 07:00 to 20:00 hours.	DCO Requirement 19 (Noise management):  <b>Appendix 7D Outline Operational Management (Volume 6.4) Noise Plan</b>  Para 4.1.1	Applicant



Ref	Topic	Project Stage	Measures	Implementation	Responsibility
12	ES Chapter 7 Noise and Vibration Section 7.7 Table 7.18	Operation	Control of noise emissions from major process buildings by the building fabric and appropriate specification of noise attenuating louvres and vents together with selection of plant, and engineered noise control, where required, to control any tonal noise emissions. All tipping hall doors to remain closed when not in use.	DCO Requirement 19 (Noise management): <b>Appendix 7D Operational Management (Volume 6.4)</b> Table 5.1	Applicant
13	ES Chapter 7 Noise and Vibration Section 7.7 Table 7.18	Operation	All EfW CHP Facility Site roads subjected to regular inspection and maintenance.	DCO Requirement 19 (Noise management): <b>Appendix 7D Operational Management (Volume 6.4)</b> Table 5.1	Applicant
14	ES Chapter 7 Noise and Vibration Section 7.10 Table 7.40	Construction	Consideration of additional mitigation or compensation in relation to construction noise and vibration to be set out in the detailed CEMP consistent with the <b>Outline CEMP (Volume 7.12)</b> to reduce effects upon residential and non-residential receptors and to include prior notification of potentially noisy activities and monitoring of building fabric.	DCO Requirement 10 (Construction environmental management plan): <b>Outline CEMP Appendix F Outline CNVMP (Volume 7.12)</b> Para 2.3.2	Applicant





Ref	Topic	Project Stage	Measures	Implementation	Responsibility
15	ES Chapter 7 Noise and Vibration Section 7.10 Table 7.40	Construction	Acquisition of 9 New Bridge Lane and cessation of residential use to remove it as a noise Receptor.	DCO Requirement 19 (Noise management)	Applicant
16	ES Chapter 7 Noise and Vibration Section 7.10 Table 7.40	Construction	Where there is the potential for significant effects due to construction vibration, prior notification to occupants of nearby buildings.	DCO Requirement 10 (Construction environmental management plan):  <b>Outline CEMP Appendix F CNVMP (Volume 7.12)</b>  Para 2.3.2	Applicant
17	ES Chapter 7 Noise and Vibration Section 7.10 and Table 7.40	Construction/ Operation	Construction of major process buildings and selection of plant in accordance with Best Available Techniques (BAT) as required for the Environmental Permit (EP).	DCO Requirement 19 (Noise management):  <b>Appendix 7D Outline Operational Noise Management Plan (Volume 6.4)</b>  Paras 5.2.1 – 5.2.3  Environmental Permit	Applicant



Ref	Topic	Project Stage	Measures	Implementation	Responsibility
18	ES Chapter 7 Noise and Vibration Section 7.10 and Table 7.40	Construction /Operation	Early construction of acoustic fence at 10 New Bridge Lane to avoid significant effects.	DCO Requirement 19 (Noise management): <b>Figure 7.13 Proposed acoustic fence to 10 New Bridge Lane (Volume 6.3)</b>	Applicant
19	ES Chapter 7 Noise and Vibration Section 7.10 and Table 7.40	Operation	Operational noise monitoring, management and control measures to be set out in an Operational Noise Management Plan and consistent with the <b>Outline Operational Noise Management Plan (Volume 6.4)</b> .	DCO Requirement 19 (Noise management): <b>Appendix 7D Outline Operational Noise Management Plan (Volume 6.4)</b> Environmental Permit	Applicant
<b>Air Quality</b>					
20	ES Chapter 8 Air Quality Section 8.7 Table 8.17 Table 8.36	Construction	Implementation of standard construction management measures to control construction dust and reduce effects upon nearby Receptors.	DCO Requirement 10 (Construction environmental management plan): <b>Outline CEMP with Appendix A Dust Mitigation Measures (Volume 7.12)</b>	Applicant



Ref	Topic	Project Stage	Measures	Implementation	Responsibility
21	ES Chapter 8 Air Quality Section 8.7 Table 8.17 Table 8.36	Operation	Chimney height with maximum limit of deviation (LoD) of 90m above finished floor level (FLL) to ensure adequate dispersion to ensure no significant impacts to human and biodiversity Receptors.	DCO Requirement 3 (Parameters of authorised development) and Schedule 14 (Maximum design parameters):	Applicant
22	ES Chapter 8 Air Quality Section 8.7 Table 8.17 Table 8.36	Operation	Waste odours to be contained by maintaining negative internal air pressure within the tipping hall and waste bunker.	DCO Requirement 16 (Odour management plan): <b>Outline Management Plan (Volume 7.11)</b> Environmental Permit	Applicant
23	ES Chapter 8 Air Quality Section 8.7 Table 8.17 and Table 8.36	Operation	Selective non-catalytic reduction (SNCR) to be implemented within furnace to reduce emissions.	Environmental Permit	Applicant
<b>Landscape and Visual</b>					
24	ES Chapter 9 Landscape and Visual Section 9.7 Table 9.12	Construction/ Operation	Lighting requirements limited to security and safety only in both the construction and operation periods. When operational the EfW CHP Facility Site lighting restricted to ground and low-level locations utilising luminaries.	DCO Requirement 18 (Lighting Strategy): <b>Appendix 3B: Outline Lighting Strategy (Volume 6.4)</b>	Applicant



Ref	Topic	Project Stage	Measures	Implementation	Responsibility
				Para 1.1.8	
25	ES Chapter 9 Landscape and Visual  Section 9.7 Table 9.12	Operation	Aviation lighting on the chimneys as confirmed by the MoD (email dated 05/05/2021).	DCO Requirement 24 (Air safety)	Applicant
26	ES Chapter 9 Landscape and Visual  Section 9.7 Table 9.12	Operation	Proposed native planting within the operational EfW CHP Facility Site. Final planting design will be based on the <b>Outline Landscape and Ecology Strategy (Volume 6.3)</b> to provide an appropriate landscape setting.	DCO Requirement 4 (Biodiversity and landscape strategy):  <b>Figure 3.14 Outline Landscape and Ecology Strategy (Volume 6.3)</b>	Applicant
27	ES Chapter 9 Landscape and Visual  Section 9.7 Table 9.12	Operation	An architectural design which aims to overall scale, height, and massing within the functional requirements of the EfW CHP Facility and utilises external cladding materials, including kinetic panels, and colours to reflect the surrounding context.	DCO Requirement 2 (Detailed design approval):  <b>Figure 3.7 and 3.8 (Volume 6.3)</b>	Applicant
28	ES Chapter 9 Landscape and Visual  Section 9.7 Table 9.12	Operation	Detailed design approval to confirm the use of bellows along the CHP Connection at a maximum height of 1.7m above ground level where it would be located to the rear of residential properties. Reducing the impact	DCO Requirement 3 (Parameters of authorised development) and Schedule 14	Applicant



Ref	Topic	Project Stage	Measures	Implementation	Responsibility
			upon the visual amenity experienced the nearby residential properties.	(Maximum design parameters): <b>Figure 3.17 CHP Connection General Arrangement (Volume 6.3)</b>	
29	ES Chapter 9 Landscape and Visual Table 9.19	Construction	Measures to minimise landscape and visual construction phase effects - particularly upon the closest residential Receptors.	DCO Requirement 10 (Construction environmental management plan): <b>Outline CEMP (Volume 7.12)</b> Para 5.8.2	Applicant
<b>Historic Environment</b>					
30	ES Chapter 10 Historic Environment Section 10.7 Table 10.13	Construction	Adoption of a fully underground cable for the Grid Connection reduces the potential for effects on the settings of heritage assets.	DCO Requirement 3 (Parameters of authorised development) and Schedule 14 (Maximum design parameters). <b>Figure 3.3 Underground Cable Connection (Volume 6.3)</b>	Applicant



Ref	Topic	Project Stage	Measures	Implementation	Responsibility
31	ES Chapter 10 Historic Environment Section 10.7 Table 10.13	Construction	Selection of Grid Connection route within the road verge reduces the potential for disturbance to archaeology as this area is likely to have been subject to previous disturbance.	Schedule 13 (Documents and Plans to be certified)  <b>Environmental Statement. Chapter 3 Description of the Proposed Development (Volume 6.2).</b>  Figure 3.3 <b>Underground Cable Connection (Volume 6.3)</b>	Applicant
32	ES Chapter 10 Historic Environment Section 10.7 Table 10.13, Table 10.18	Construction	Provision for archaeological investigation and recording to be outlined in a Written Scheme of Investigation (WSI).	DCO Requirement 10 (Construction environmental management plan):  <b>Outline CEMP via DCO Requirement (Volume 7.12)</b>  Para 5.9.1	Applicant



Ref	Topic	Project Stage	Measures	Implementation	Responsibility
<b>Biodiversity</b>					
33	ES Chapter 11 Biodiversity Section 11.7 Table 11.13, Table 11.16	Construction	Construction activities subject to standard ecological best practice mitigation measures employed to avoid and minimise potential effects to habitats and species e.g., bats.	DCO Requirement 10 (Construction environmental management plan): <b>Outline CEMP with Appendix D (Volume 7.12).</b> Para 4.3.3	Applicant
34	ES Chapter 11 Biodiversity Section 11.7 Table 11.13, Table 11.16	Construction	Minimisation of land take and micro-siting of access and working areas where appropriate to avoid the more important habitat and species.	DCO Requirement 10 (Construction environmental management plan): <b>Outline CEMP with Appendix D (Volume 7.12).</b> Para 3.2.1	Applicant
35	ES Chapter 11 Biodiversity Section 11.7 Table 11.13, Table 11.16	Construction	Works carried out in accordance with EA guidance for pollution prevention.	DCO Requirement 10 (Construction environmental management plan): <b>Outline CEMP with Appendix D (Volume 7.12).</b>	Applicant



Ref	Topic	Project Stage	Measures	Implementation	Responsibility
				Para 3.2.1, 4.6.2 and 4.7.2	
36	ES Chapter 11 Biodiversity Section 11.7 Table 11.13, Table 11.16	Construction	Sensitive vegetation removal and site clearance to minimise the risk to nesting birds and other species during habitat clearance.	DCO Requirement 10 (Construction environmental management plan): <b>Outline CEMP with Appendix D (Volume 7.12).</b> Para 3.3.1	Applicant
37	ES Chapter 11 Biodiversity Section 11.7 Table 11.13, Table 11.16	Construction	Maintenance of habitat connectivity to minimise the effects of habitat fragmentation.	DCO Requirement 4 (Biodiversity and landscape mitigation): <b>Outline Landscape and Ecology Strategy (see Figure 3.14 (Volume 6.3))</b>	Applicant
38	ES Chapter 11 Biodiversity Section 11.7 Table 11.13, Table 11.16	Construction	Protection of retained trees and other retained habitats by avoidance through micro-siting and identification of root protection zones through use of exclusion fencing for example.	DCO Requirement 10 (Construction environmental management plan): <b>Outline CEMP with Appendix D (Volume 7.12).</b> Para 3.2.1	Applicant





Ref	Topic	Project Stage	Measures	Implementation	Responsibility
39	ES Chapter 11 Biodiversity Section 11.7 Table 11.13, Table 11.16	Construction	Biosecurity measures to prevent spread of invasive plant species.	DCO Requirement 10 (Construction environmental management plan): <b>Outline CEMP with Appendix D (Volume 7.12).</b> Para 4.8.1	Applicant
40	ES Chapter 11 Biodiversity Section 11.7 Table 11.13, Table 11.16	Construction	Timely and appropriate reinstatement of temporary habitat loss such as along the A47 verge during construction of the Grid Connection.	DCO Requirement 10 (Construction environmental management plan): <b>Outline CEMP with Appendix D (Volume 7.12)</b> Para 3.2.1	Applicant
41	ES Chapter 11 Biodiversity Section 11.7 Table 11.13, Table 11.16	Construction	Sensitive access and enabling works: use existing accesses, appropriate trackway design, and avoidance of important habitats and minimise habitat loss, fragmentation and effects on fauna such as newts.	DCO Requirement 10 (Construction environmental management plan): <b>Outline CEMP with Appendix D (Volume 7.12)</b> Para 4.5.4	Applicant



Ref	Topic	Project Stage	Measures	Implementation	Responsibility
42	ES Chapter 11 Biodiversity Section 11.7 Table 11.13, Table 11.16	Construction	The implementation of a buffer around water courses, open-span bridges in preference to culverts, and pollution prevention measures to protect the aquatic environment and associated fauna.	DCO Requirement 10 (Construction environmental management plan): <b>Outline CEMP with Appendix D (Volume 7.12)</b> Para 3.2.1 and 4.7.2	Applicant
43	ES Chapter 11 Biodiversity Section 11.7 Table 11.13, Table 11.16	Construction	The design and management of security and site lighting following best practice guidance to minimise effects on fauna.	DCO Requirement 18 (Lighting strategy): <b>Outline Lighting Strategy (Appendix 3B Volume 6.3)</b> and <b>Outline CEMP Appendix D (Volume 7.12)</b> Para 4.3.2	Applicant
44	ES Chapter 11 Biodiversity Section 11.7 Table 11.13, Table 11.16	Construction	Imposition of speed limits on all construction haul roads and access tracks to minimise the risk of traffic collisions with fauna.	DCO Requirement 10 (Construction environmental management plan): <b>Outline CEMP with Appendix D (Volume 7.12)</b> Para 3.2.1	Applicant



Ref	Topic	Project Stage	Measures	Implementation	Responsibility
45	ES Chapter 11 Biodiversity Section 11.7 Table 11.13, Table 11.16	Construction	Pre-construction update surveys to provide up-to-date information to inform mitigation requirements e.g., for any removal of trees with potential for bat habitat or for water vole.	DCO Requirement 10 (Construction environmental management plan): <b>Outline CEMP with Appendix D (Volume 7.12)</b> Para 4.3.7, 4.7.2	Applicant
46	ES Chapter 11 Biodiversity Section 11.7 Table 11.13, Table 11.16	Construction	Provision and implementation of an Ecological Mitigation Strategy (EMS) detailing ecological good practice, and habitat- and species-specific measures to protect habitats and fauna. The EMS will form an appendix of the CEMP and will be in accordance with the <b>Outline CEMP (Volume 7.12)</b> .	DCO Requirement 10 (Construction environmental management plan): <b>Outline CEMP with Appendix D (Volume 7.12)</b>	Applicant
47	ES Chapter 11 Biodiversity Section 11.7 Table 11.13, Table 11.16	Construction	Provision and implementation of measures for the management of retained habitats, reinstated habitats, and for the creation of new habitat as part of the Landscape and Ecology Plan including a schedule of aftercare monitoring and maintenance set out in the <b>Landscape and Ecology Management Strategy</b> , in accordance with the <b>Outline Landscape and Ecology Management Plan (Volume 7.7)</b> .	DCO Requirement 5 (Landscape and ecology management plan): <b>Outline Landscape and Ecology Management Plan (Volume 7.7)</b>	Applicant



Ref	Topic	Project Stage	Measures	Implementation	Responsibility
<b>Hydrology</b>					
48	ES Chapter 12 Hydrology Section 12.7 Table 12.10, Table 12.20	Construction	Good working practices implemented during construction, with adherence to the CEMP. A water quality monitoring programme will be implemented by the Applicant and EPC Contractor to ensure that the measures taken to protect the surface water environment are effective.	DCO Requirement 10 (Construction environmental management plan): <b>Outline CEMP with Appendix B (Volume 7.12)</b> Paras 3.5.1 to 3.5.4	Applicant
49	ES Chapter 12 Hydrology Section 12.7 Table 12.10, Table 12.20	Construction/ Operation	A minimum stand-off distance from the edge of HWIDB adopted drains of 6m (on both sides of the drain) and 9m (on both sides of the drain) will be provided where possible for all construction works associated with the Access Improvements to ensure ongoing access for maintenance of the IDB drains unless otherwise agreed with HWIDB.	DCO Requirement 10 (Construction environmental management plan): <b>Outline CEMP with Appendix B (Volume 7.12)</b> Para 2.4.3	Applicant
50	ES Chapter 12 Hydrology Section 12.7 Table 12.10, Table 12.20	Construction	Where culverts are to be used to enable access at temporary watercourse crossings over IDB drains (four temporary crossings at the EfW CHP Facility Site), these will be appropriately sized to maintain existing flow conveyance designed to standards agreed with the relevant IDB.	DCO Requirement 10 (Construction environmental management plan): <b>Outline CEMP with Appendix B (Volume 7.12)</b>	Applicant



Ref	Topic	Project Stage	Measures	Implementation	Responsibility
				Para 2.4.5	
51	ES Chapter 12 Hydrology Section 12.7 Table 12.10, Table 12.20	Construction/ Operation	Implementation of Drainage Strategy in accordance with the <b>Outline Drainage Strategy (Volume 6.4)</b> for the construction and operational phases of the EfW CHP Facility and Grid Connection, utilising SuDS principles for attenuation storage and treatment, to ensure any discharge into the IDB drains is limited to greenfield rates and does not cause pollution of the water environment (as agreed with HWIDB).	DCO Requirement 8 (Drainage strategy) and DCO Requirement 10 (Construction environmental management plan): <b>Outline CEMP with Appendix B (Volume 7.12)</b> Para 3.3.2 <b>Appendix 12F Outline Drainage Strategy (Volume 6.4)</b>	Applicant
52	ES Chapter 12 Hydrology Section 12.7 Table 12.10, Table 12.20	Construction	Surface water runoff to be discharged to IDB drains (rather than the Anglian Water sewer). Discharges would be temporarily halted if a flood alert or flood warning is in place downstream.	DCO Requirement 8 (Drainage strategy) and DCO Requirement 10 (Construction environmental management plan): <b>Outline CEMP with Appendix B (Volume 7.12)</b> Para 2.4.4	Applicant



Ref	Topic	Project Stage	Measures	Implementation	Responsibility
53	ES Chapter 12 Hydrology Section 12.7 Table 12.10, Table 12.20	Construction	Stockpiles will be present for the shortest practicable timeframe, with materials being reinstated as the construction work progresses. Stockpiles which remain present for three months or longer will be carefully managed using seeding techniques. Any excess excavated soil resulting from the Grid Connection will be transported and stockpiled in the EfW CHP Facility Site.	DCO Requirement 10 (Construction environmental management plan): <b>Outline CEMP (Volume 7.12) Appendix B</b> Para 3.3.5	Applicant
54	ES Chapter 12 Hydrology Section 12.7 Table 12.10, Table 12.20	Construction	Measures to properly store fuel, areas for plant maintenance and refuelling will be surfaced with fully impermeable materials to prevent any infiltration of contaminated runoff and contain bunding. Inclusion of accident response protocol, bunding of tanks and other measures to prevent pollution.	DCO Requirement 10 (Construction environmental management plan): <b>Outline CEMP (Volume 7.12)</b> Para 3.3.7	Applicant
55	ES Chapter 12 Hydrology Section 12.7 Table 12.10, Table 12.20	Construction	Excavated materials during construction works should be segregated and stored/re-used on-site as set out in the Outline CEMP, Appendix E Site Materials and Waste Management Plan ( <b>Volume 7.12</b> ).	DCO Requirement 10 (Construction environmental management plan): <b>Outline CEMP (Volume 7.12)</b> Para 3.3.5	Applicant



Ref	Topic	Project Stage	Measures	Implementation	Responsibility
56	ES Chapter 12 Hydrology Section 12.7 Table 12.10, Table 12.20	Construction	Use of excavated materials. These materials will be used as backfill and compacted to a similar density as the surrounding ground.	DCO Requirement 10 (Construction environmental management plan): <b>Outline CEMP (Volume 7.12)</b> Para 3.3.5	Applicant
57	ES Chapter 12 Hydrology Section 12.7 Table 12.10	Operation	Reuse of water and provision of rainwater systems will be provided where practicable.	DCO Requirement 8 (Drainage strategy): <b>Outline Drainage Strategy (Volume 6.4)</b> Para 4.3.23	Applicant
58	ES Chapter 12 Hydrology Section 12.7 Table 12.10, Table 12.20	Operation	All permanent watercourse crossings will be appropriately sized to maintain existing flow conveyance and designed in accordance with standards requested by IDB.	Schedule 13 (Documents and Plans to be certified). <b>Environmental Statement. Chapter 3: Description of the Proposed Development (Volume 6.2).</b>	Applicant



Ref	Topic	Project Stage	Measures	Implementation	Responsibility
59	ES Chapter 12 Hydrology Section 12.7 Table 12.10	Operation	The separation dam structure in the HWIDB drain bisecting the EfW CHP Facility will be moved to the open section of the drain as agreed with HWIDB.	DCO Requirement 10 (Construction environmental management plan): <b>Outline CEMP (Volume 7.12)</b> Para 2.2.7	Applicant
60	ES Chapter 12 Hydrology Section 12.7 Table 12.10,	Construction	The underground cable will be constructed in discrete sections with the reinstatement process commenced in as short a timeframe as practicable.	Schedule 13 (Documents and Plans to be certified). <b>Environmental Statement. Chapter 3 Description of the Proposed Development (Volume 6.2).</b>	Applicant
61	ES Chapter 12 Hydrology Section 12.7 Table 12.10	Construction	Where a risk of contamination is identified, intrusive investigations would be undertaken, and suitable measures implemented prior to construction works and soil stockpile creation commencing.	DCO Requirement 10 (Construction environmental management plan): <b>Outline CEMP Appendix C (Volume 7.12)</b> Para 2.3.1	Applicant





Ref	Topic	Project Stage	Measures	Implementation	Responsibility
62	ES Chapter 12 Hydrology  Section 12.7 Table 12.10, Table 12.20	Operation	All permanent cable crossings of the culverted drains beneath the A47 will be placed above the culverts using open cut installation method. Strike plates will be used where there is reduced cover (if a minimum 0.9m cover depth is not possible) at the crossings.	DCO Requirement 10 (Construction environmental management plan):  <b>Outline CEMP with Appendix B (Volume 7.12)</b>  Para 3.3.3	Applicant
<b>Geology, Hydrogeology and Contaminated Land</b>					
63	ES Chapter 13 Geology, Hydrogeology and Contaminated Land  Section 13.7 Table 13.15, Table 13.24	Construction	If ground conditions require it, a temporary track of either metal, wood or plastic, would be used for vehicles to access the working areas. This would be removed once construction is complete.  Topsoil and subsoil will be stripped separately from the TCC and stored separately in bunds/stockpiles for use in final reinstatement of the land. This will be carried out in general accordance with the Defra (2009) Construction Code of Practice for the Sustainable Use of Soils on Construction Sites.	DCO Requirement 10 (Construction environmental management plan):  <b>Outline CEMP with Appendix C (Volume 7.12)</b>  Para 2.2.1	Applicant



Ref	Topic	Project Stage	Measures	Implementation	Responsibility
64	ES Chapter 13 Geology, Hydrogeology and Contaminated Land  Section 13.7 Table 13.15, Table 13.24	Construction	Soil that is temporarily displaced during trenching to install underground cables or water connections will be reinstated approximately in its original location where possible.  Permanently displaced soil will be reused within the Proposed Development boundary where practicable and construction strategies will be implemented that will seek to maximise the reuse of excavated clean materials where practicable and feasible.	DCO Requirement 10 (Construction environmental management plan):  <b>Outline CEMP with Appendix E (Volume 7.12)</b>  Para 5.6.4 Outline CEMP  Para 2.2.1 Appendix E	Applicant
65	ES Chapter 13 Geology, Hydrogeology and Contaminated Land  Section 13.7 Table 13.15, Table 13.24	Construction	Prior to construction, the <b>Outline Site Materials and Waste Management Plan (Volume 7.12)</b> will be finalised. It describes the procedures by which waste will be managed and will be followed by those undertaking the construction of the Proposed Development.	DCO Requirement 10 (Construction environmental management plan):  <b>Outline CEMP with Appendix E (Volume 7.12)</b>	Applicant
66	ES Chapter 13 Geology, Hydrogeology and Contaminated Land  Section 13.7 Table 13.15, Table 13.24	Construction	Any temporary onsite storage of excavated materials suspected or confirmed to be contaminated will be on impermeable sheeting, covered over and with adequate leachate/runoff drainage to prevent migration of contaminants from the stockpile. Materials will be segregated where possible to prevent cross-contamination occurring.	DCO Requirement 10 (Construction environmental management plan):  <b>Outline CEMP (Volume 7.12)</b>  Para 5.12.3	Applicant



Ref	Topic	Project Stage	Measures	Implementation	Responsibility
67	ES Chapter 13 Geology, Hydrogeology and Contaminated Land  Section 13.7 Table 13.15, Table 13.24	Construction	<p>Further ground investigation will be completed as required to inform the design of the Proposed Development. This will include for further assessment of the potential for the EfW CHP Facility and Walsoken Substation construction to create new ground gas migration pathways due to the presence of natural peat deposits at depth and will be completed to inform detailed design and lower the risk.</p> <p>Ground investigation will be carried out in advance of works where the cable route crosses the known historical landfill at the former Wisbech Canal to inform a suitable design for the trench to mitigate risks to the new infrastructure and to the environment from the landfilled materials or associated leachate.</p>	DCO Requirement 9 (Contamination and groundwater)	Applicant
68	ES Chapter 13 Geology, Hydrogeology and Contaminated Land  Section 13.7 Table 13.15, Table 13.24	Construction	Contamination if found will be subject to appropriate risk assessment and if necessary, it will be either removed, treated and/or mitigated as part of the Proposed Development.	DCO Requirement 10 (Construction environmental management plan):  <b>Outline CEMP with Appendix C (Volume 7.12)</b>  Para 2.3.1	Applicant



Ref	Topic	Project Stage	Measures	Implementation	Responsibility
69	ES Chapter 13 Geology, Hydrogeology and Contaminated Land  Section 13.7 Table 13.15, Table 13.24	Construction	Any disposal off-site of excavated material will be undertaken in accordance with Waste Management Regulations.  Measures to protect surface water during construction are detailed in <b>Chapter 12: Hydrology (Volume 6.2)</b> .	DCO Requirement 10 (Construction environmental management plan): <b>Outline CEMP with Appendix E (Volume 7.12)</b>  Para 1.7.1	Applicant
70	ES Chapter 13 Geology, Hydrogeology and Contaminated Land  Section 13.7 Table 13.15, Table 13.24	Construction	Construction strategies will be implemented that will seek to maximise the reuse of excavated clean materials onsite where practicable and feasible in line with the Site Materials and Waste Management Plan set out in the <b>Outline CEMP (Volume 7.12)</b> .	DCO Requirement 10 (Construction environmental management plan): <b>Outline CEMP with Appendix E (Volume 7.12)</b>  Section 1.10	Applicant
71	ES Chapter 13 Geology, Hydrogeology and Contaminated Land  Section 13.7 Table 13.15, Table 13.24	Construction	In line with good practice, Pollution Prevention Plans (PPPs) will be drawn up to detail how ground and surface waters will be protected in construction and operation. These will include information on the use and storage of any fuels, oils and other chemicals and pollution incidence response planning.	DCO Requirement 10 (Construction environmental management plan): <b>Outline CEMP (Volume 7.12)</b>  Para 3.5.2	Applicant



Ref	Topic	Project Stage	Measures	Implementation	Responsibility
72	ES Chapter 13 Geology, Hydrogeology and Contaminated Land  Section 13.7 Table 13.15, Table 13.24	Construction	If water being pumped from excavations is suspected to be contaminated, appropriate measures will be taken in accordance with Environment Agency (EA) guidance and the Environmental Permitting Regulations (EPR) to prevent uncontrolled or unauthorised releases of this water to ground or to the water environment.	DCO Requirement 10 (Construction environmental management plan): <b>Outline CEMP (Volume 7.12)</b>  Para 5.2.1 to 5.2.3	Applicant
73	ES Chapter 13 Geology, Hydrogeology and Contaminated Land  Section 13.7 Table 13.15, Table 13.24	Construction	The EPR regime will apply to the EfW CHP Facility Site requiring the Applicant to use BAT, and to demonstrate the measures they have taken to protect the land, both in terms of physical pollution prevention measures and the management systems and procedures in place to prevent accidental releases of pollutants to land. This lowers the risk of emissions to soil or groundwater occurring during permitted operations (and the risk of subsequent migration of contaminants in groundwater or leaching of contaminants to impact on nearby surface water).	Environmental Permit	Applicant



Ref	Topic	Project Stage	Measures	Implementation	Responsibility
<b>Climate Change</b>					
74	ES Chapter 14 Climate Change  Section 14.7 Table 14.15, Table 14.37	Operation	The Proposed Development will be required under its EP to seek continuous improvement in energy efficiency and to provide reports to the Environment Agency.	Environmental Permit	Applicant
75	ES Chapter 14 Climate Change  Section 14.7 Table 14.15, Table 14.37	Construction	The Proposed Development has been conceived and designed to deploy CHP. The incineration process itself will generate steam that will be used to drive steam generators for electricity generation. Further heat recovery can be secured by the export of heat and/or steam to off-site customers such as local industries.	DCO Requirement 23 (Combined heat and power):  <b>Figure 3.17 CHP Connection General Arrangement (Volume 6.3)</b>	Applicant
76	ES Chapter 14 Climate Change  Section 14.7 Table 14.15, Table 14.37	Construction	The Proposed Development will be carbon capture retrofit ready with land set aside for a Carbon Capture Storage (CCS) facility.	Schedule 13 (Documents and Plans to be certified).  <b>Environmental Statement. Chapter 3 Description of the Proposed Development (Volume 6.2).</b>	Applicant



Ref	Topic	Project Stage	Measures	Implementation	Responsibility
77	ES Chapter 14 Climate Change  Section 14.7 Table 14.15, Table 14.37	Construction	Measures to reduce air pollutant emissions from construction plant and equipment, detailed in the <b>Outline CEMP (Volume 7.12)</b> will offer mitigation of construction GHG emissions associated to plant and equipment.	DCO Requirement 10 (Construction environmental management plan):  <b>Outline CEMP (Volume 7.12)</b>	Applicant
78	ES Chapter 14 Climate Change  Section 14.7 Table 14.15, Table 14.37	Construction	The Proposed Development will be designed to be resilient to impacts arising from current weather events and climatic conditions, and designed in accordance with current planning, design and engineering practice and codes including the use of relevant materials.	Schedule 13 (Documents and Plans to be certified).  Environmental Statement  <b>Appendix 12A FRA (Volume 6.4)</b>	Applicant
79	ES Chapter 14 Climate Change  Section 14.7 Table 14.15, Table 14.37	Construction	A lightning protection system will be included in the detailed design of the Proposed Development where required.	Schedule 13 (Documents and Plans to be certified).  <b>Environmental Statement, Chapter 14 Climate (Volume 6.2)</b>  Embedded in the design ( <b>Environmental Statement Chapter 3: Description of the Proposed Development (Volume 6.2)</b> ).	Applicant



Ref	Topic	Project Stage	Measures	Implementation	Responsibility
80	ES Chapter 14 Climate Change  Section 14.7 Table 14.15, Table 14.37	Construction	The Applicant and EPC Contractor will ensure that the relevant measures within the <b>Outline CEMP (Volume 7.12)</b> and health and safety protocols and procedures are implemented. As appropriate, method statements will consider extreme weather events where risks have been identified.	DCO Requirement 10 (Construction environmental management plan):  <b>Outline CEMP (Volume 7.12)</b>	Applicant
81	ES Chapter 14 Climate Change  Section 14.7 Table 14.15, Table 14.37	Construction	A <b>Flood Risk Assessment (FRA) (Appendix 12A, Volume 6.4)</b> has been conducted as part of the EIA and all necessary embedded measures will be incorporated into the Proposed Development design to ensure drainage systems are built with consideration for resilience to climate change.	DCO Requirement 8 Drainage strategy):  <b>Environmental Statement Chapter 12 Hydrology Appendix 12A FRA and Appendix 12F Outline Drainage Strategy (Volume 6.4)</b>	Applicant
82	ES Chapter 14 Climate Change  Table 14.37		Applicant and EPC Contractor to sign up for short to medium range weather forecasting alerts.	DCO Requirement 10 (Construction environmental management plan):  <b>Outline CEMP (Volume 7.12)</b>  Paras 4.1.1 to 4.3.8	Applicant





Ref	Topic	Project Stage	Measures	Implementation	Responsibility
83	ES Chapter 14 Climate Change Table 14.37		The waste bunker would be appropriately protected against groundwater ingress and uplift.	Schedule 13 (Documents and Plans to be certified).  <b>Environmental Statement Chapter 12 Hydrology Appendix 12A FRA (Volume 6.4)</b>	Applicant
84	ES Chapter 14 Climate Change Table 14.37		Climate suitable species to be used in landscape planting consistent with the <b>Outline Landscape and Ecology Strategy (Volume 6.3)</b> .	DCO Requirement 4 (Biodiversity and landscape mitigation):  <b>Figure 3.14 Outline Landscape and Ecology Strategy (Volume 6.3)</b>	
<b>Socio-economics, Tourism, Recreation and Land Use</b>					
85	ES Chapter 15 Socio-economic Section 15.7 Table 15.15, Table 15.23	Construction	An Employment and Skills Strategy to maximise use of, and upskill, the local workforce such that it maximises the use of local labour during construction, as set out in the <b>Outline Employment and Skills Strategy (Volume 7.8)</b> .	DCO Requirement 21 (Employment and skills strategy):  <b>Outline Employment and Skills Strategy (Volume 7.8)</b>	Applicant



Ref	Topic	Project Stage	Measures	Implementation	Responsibility
86	ES Chapter 15 Socio-economics Section 15.7 Table 15.15	Construction	Construction of the Proposed Development would be subject to a Construction Traffic Management Plan consistent with the <b>Outline CTMP (Volume 6.4)</b> which would specify the routes  to be taken by construction vehicles to minimise disruption to existing business and facilities.	DCO Requirement 11 (Construction traffic management plan): <b>Appendix 6A Outline CTMP (Volume 6.4)</b>	Applicant
87	ES Chapter 15 Socio-economics Section 15.7 Table 15.23	Operation	An Operational Travel Plan (to encourage the use of sustainable transport by the operational workforce, in accordance with the <b>Outline Operational Travel Plan (Volume 6.4)</b> ).	DCO Requirement 11 (Construction traffic management plan): <b>Appendix 6C Outline Operational Travel Plan (Volume 6.4)</b>	Applicant
88	ES Chapter 15 Socio-economics Section 15.7 Table 15.15, Table 15.23	Construction	Measures would be employed during construction to control the environmental effects of the Proposed Development as set out in the <b>Outline CEMP (Volume 7.12)</b> .	DCO Requirement 10 (Construction environmental management plan): <b>Outline CEMP (Volume 7.12)</b>	Applicant



Ref	Topic	Project Stage	Measures	Implementation	Responsibility
89	ES Chapter 15 Socio-economics Table 15.23	Construction	A commitment to registering the Proposed Development with the Considerate Constructors Scheme will be secured in CEMP, as per the <b>Outline CEMP (Volume 7.12)</b> .	DCO Requirement 10 (Construction environmental management plan): <b>Outline CEMP (Volume 7.12)</b> Paras 3.5.15- 3.5.19	Applicant
<b>Health</b>					
90	ES Chapter 16 Health Section 16.7 Table 16.9	Construction	A Dust Management Plan (DMP) will be developed and implemented, as set out in the <b>Outline CEMP (Volume 7.12)</b> .	DCO Requirement 10 (Construction environmental management plan): <b>Outline CEMP with Appendix A DMP (Volume 7.12)</b>	Applicant
91	ES Chapter 16 Health Section 16.7 Table 16.9, Table 16.14	Operation	Suitable chimney height to ensure adequate dispersion of emissions.	DCO Requirement 3 (Parameters of the authorised development) and Schedule 14 (Maximum design parameters) and Environmental Permit	Applicant



Ref	Topic	Project Stage	Measures	Implementation	Responsibility
92	ES Chapter 16 Health Section 16.7 Table 16.9, Table 16.14	Operation	Selective non-catalytic reduction to demonstrate BAT.	Environmental Permit	
93	ES Chapter 16 Health Section 16.7 Table 16.9	Operation	To mitigate significant effects from odour, all waste kept in buildings with negative pressure, refuse vehicles to be covered.	DCO Requirement 16 (Odour management plan): <b>Outline Management (Volume 7.11)</b> <b>Odour Plan</b>	
94	ES Chapter 16 Health Section 16.7 Table 16.9, Table 16.14	Construction	Engagement with the relevant local communities will be undertaken via a community liaison manager.	DCO Requirement 22 (Community liaison manager)	Applicant
95	ES Chapter 16 Health Section 16.7 Table 16.9, Table 16.14	Construction	Local employment opportunities will be maximised thereby reducing the number of temporary construction workers from outside the Study Area and thereby mitigating demand for schools, homes and tourism accommodation, as set out in the <b>Outline Employment and Skills Strategy (Volume 7.8)</b> .	DCO Requirement 21 (Employment and skills strategy) <b>Outline Employment &amp; Skills Strategy (Volume 7.8)</b>	Applicant



Ref	Topic	Project Stage	Measures	Implementation	Responsibility
96	ES Chapter 16 Health Section 16.7 Table 16.9, Table 16.14	Construction	Night-time construction of the Grid Connection to mitigate effects upon users of nearby footpaths and cycle routes	DCO Requirement 11 (Construction traffic management plan)	Applicant
97	ES Chapter 16 Health Section 16.7 Table 16.9, Table 16.14	Construction	Measures to route construction vehicles and provision of pedestrian crossing points to minimise effects upon other road users and pedestrians will be included in the CTMP, in accordance with the <b>Outline CTMP (Volume 6.4)</b> .	DCO Requirement 11 (Construction traffic management plan): <b>Appendix 6A Outline CTMP (Volume 6.4)</b> <b>Figure 3.19 New Bridge Lane Access Proposals (Volume 6.3)</b>	Applicant
98	ES Chapter 16 Health Section 16.7 Table 16.9,	Construction	Construction work undertaken within core working hours where any additional to those identified within <b>Chapter 3 Description of the Proposed Development (Volume 6.2)</b> , to submit details to the relevant local authority via an application for a S61 consent.	DCO Requirement 10 (Construction environmental management plan): <b>Outline CEMP with Appendix F CNVMP (Volume 7.12)</b> Para 2.3.2.	Applicant
99	ES Chapter 16 Health Section 16.7 Table 16.9	Construction	Regular inspection and maintenance of site roads at the EfW CHP Facility to identify and rectify any surface irregularities to ensure groundborne vibration emissions due to HGV movements are controlled.	DCO Requirement 11 (Construction traffic management plan):	Applicant



Ref	Topic	Project Stage	Measures	Implementation	Responsibility
				<b>Appendix 6A CTMP (Volume 6.4)</b> Para 7.4.19	
100	ES Chapter 16 Health Section 16.7 Table 16.9, Table 16.14	Construction	Occupational Health and Safety will be managed via an Integrated Management System (IMS) to ensure compliance with all UK health and safety, and environmental legislation.	Environmental Permit	Applicant
101	ES Chapter 16 Health Section 16.7 Table 16.9, Table 16.14	Construction	The Grid Connection will be underground with substation infrastructure behind security fencing thus ensuring that members of the public and landowners do not come into contact.	DCO Schedule 1 (Authorised development): Work No. 7 and 8  <b>Figure 3.3 Underground Cable Connection (Volume 6.3)</b>	Applicant
102	ES Chapter 16 Health Section 16.7 Table 16.9	Construction	Systematic identification of potential major hazards during the design process. This will include a number of studies including a Hazard and Operability (HAZOP) study (compliant with IEC 61882).  The Applicant will comply with the requirements of the Dangerous Substances and Explosive Atmospheres Regulations 2002 (DSEAR).	Dangerous Substances and Explosive Atmospheres Regulations 2002	Applicant



Ref	Topic	Project Stage	Measures	Implementation	Responsibility
<b>Major Accidents and Disasters</b>					
103	ES Chapter 17 Major Accidents and Disasters Section 17.4 Table 17.6, Table 17.7	Operation	An IMS will be implemented to ensure compliance with all UK Health and Safety, and Environmental legislation.	Environmental Permit	Applicant
104	ES Chapter 17 Major Accidents and Disasters Section 17.4 Table 17.6, Table 17.7	Operation	The design, route and design standard of the Grid Connection informed through consultation with UKPN as statutory consultee and as relevant undertakers.  The detailed design and design standard of the high voltage (HV) cable will be in compliance with the Energy Networks Association relevant technical standards.	Schedule 13 (Documents and Plans to be certified).  <b>Environmental Statement Chapter 17: Major Accidents and Disasters (Volume 6.2)</b>	Applicant
105	ES Chapter 17 Major Accidents and Disasters Section 17.4 Table 17.6, Table 17.7	Construction	Systematic identification of potential major hazards during the design process. This will include a number of studies including a HAZOP study (compliant with IEC 61882).	Schedule 13 (Documents and Plans to be certified).  <b>Environmental Statement Chapter 17: Major Accidents and Disasters (Volume 6.2)</b>	Applicant



Ref	Topic	Project Stage	Measures	Implementation	Responsibility
106	ES Chapter 17 Major Accidents and Disasters Section 17.4 Table 17.6, Table 17.7	Operation	Measures to prevent, respond and control incidences of fire will be set out in the Fire Prevention Plan, in accordance with the <b>Outline Fire Prevention Plan (Volume 7.10)</b> .	Environmental Permit.  <b>Outline Fire Prevention Plan (Volume 7.10)</b>	Applicant
107	ES Chapter 17 Major Accidents and Disasters Section 17.4 Table 17.6, Table 17.7	Operation	<p>Major accidents or disasters involving the spill of chemicals or waste materials will be prevented by ensuring that primary containment is sufficiently sized and to a recognised design standard and there is adequate secondary and tertiary containment to minimise the risk of any potential spillage of hazardous materials.</p> <p>Where substances may also pose a hazard to the health of workers, suitable equipment for handling substances and personal protective equipment will be provided.</p> <p>An accident management plan will be maintained, which requires risk assessment and appropriate risk management of all potential releases.</p> <p>The drainage system on the EfW CHP Facility Site will be designed suitable to ensure that any potential spills can be captured onsite and retained for treatment or disposal, this includes designing for firewater in accordance with industry standards such as CIRIA 736.</p>	DCO Requirement 10 (Construction environmental management plan):  <b>Outline CEMP with Appendix B and E (Volume 7.12) and Appendix 12F Outline Drainage Strategy (Volume 6.4)</b>	Applicant





Ref	Topic	Project Stage	Measures	Implementation	Responsibility
108	ES Chapter 17 Major Accidents and Disasters Section 17.4 Table 17.6, Table 17.7	Construction	Major accidents or disasters affecting the construction will be risk assessed and the hierarchy of controls applied to reduce any reasonably foreseeable risks to ALARP. This risk assessment will consider HSE Research Report 834 on Catastrophic Risk in Construction.  All construction activities will comply with the CDM Regulations and relevant industry good practice.	CDM Regulations	Applicant
109	ES Chapter 17 Major Accidents and Disasters Section 17.4 Table 17.6, Table 17.7	Construction	The Applicant will systematically identify all potential safety and environmental major hazards during the design process. This will include a number of studies including a HAZOP study (compliant with IEC 61882) and will also review the adequacy of mitigation measures such as segregation for fire risk escape routes, secondary & tertiary containment and fire suppression.	Environmental Permit	Applicant
110	ES Chapter 17 Major Accidents and Disasters Table 17.7	Construction	The Proposed Development will be designed and built to meet industry best practice for fire safety of buildings and storage systems, which is given as NFPA 850 and the ACE Technical Risks Engineering Information Bulletin Guidance Document.	Schedule 13 (Documents and Plans to be certified).  <b>Environmental Statement Chapter 17: Major Accidents and Disasters (Volume 6.2)</b>	Applicant



Ref	Topic	Project Stage	Measures	Implementation	Responsibility
111	ES Chapter 17 Major Accidents and Disasters Table 17.7	Construction	The design of the Proposed Development will account for the expected ground conditions and design loads, accounting for the effects of climate change.	Schedule 13 (Documents and Plans to be certified). <b>Environmental Statement Chapter 17</b>	Applicant
112	ES Chapter 17 Major Accidents and Disasters Section 17.4 Table 17.6, Table 17.7	Construction	The design of the Proposed Development will comply with good practice in design including compliance with the Eurocodes and any relevant BSI PDs.	Schedule 13 (Documents and Plans to be certified). <b>Environmental Statement Chapter 17: Major Accidents and Disasters (Volume 6.2)</b>	Applicant
113	ES Chapter 17 Major Accidents and Disasters Section 17.4 Table 17.6, Table 17.7	Construction	The Proposed Development will comply with the <i>Building Regulations 2010 (as amended)</i> .	Regulatory Requirement	Applicant
114	ES Chapter 17 Major Accidents and Disasters Table 17.7	Construction	The EfW CHP Facility and its drainage systems will be designed in accordance with industry good practice to ensure that there is adequate secondary and tertiary containment including firewater retention in line with CIRIA 736.	DCO Requirement 8 (Drainage strategy): <b>Appendix 12F Outline Drainage Strategy (Volume 6.4)</b>	Applicant



Ref	Topic	Project Stage	Measures	Implementation	Responsibility
				Para 4.3.31	
115	ES Chapter 17 Major Accidents and Disasters Section 17.4 Table 17.6, Table 17.7	Construction	Where substances may also pose a hazard to the health of workers, suitable equipment for handling substances and personal protective equipment will be provided.	Regulatory Requirement	Applicant
116	ES Chapter 17 Major Accidents and Disasters Section 17.4 Table 17.6, Table 17.7	Construction	An accident management plan will be maintained, including risk assessment of all potential releases.	Environmental Permit	Applicant
117	ES Chapter 17 Major Accidents and Disasters Section 17.4 Table 17.6, Table 17.7	Construction	All construction activities will be risk assessed with consideration of major accidents and disasters and the hierarchy of controls applied to reduce any reasonably foreseeable risk to ALARP. This risk assessment will consider HSE Research Report 834 on Catastrophic risk in construction.	DCO Requirement 10 (Construction environmental management plan): <b>Outline CEMP (Volume 7.12)</b> Para 3.5.9	Applicant



Ref	Topic	Project Stage	Measures	Implementation	Responsibility
118	ES Chapter 17 Major Accidents and Disasters  Section 17.4 Table 17.7	Construction	All construction activities will comply with the <i>Construction (Design and Management) Regulations 2015</i> .	Regulatory Requirement: CDM	Applicant
119	ES Chapter 17 Major Accidents and Disasters  Table 17.7	Construction	The HSE or appropriate utility companies and/or local authorities and utilities have been and will continue to be consulted (as needed) to ensure that any crossings or work required in the vicinity of pipelines will be undertaken safely.	DCO Requirement 10 (Construction environmental management plan):  <b>Outline CEMP (Volume 7.12)</b>  Para 4.8.5	Applicant
120	ES Chapter 17 Major Accidents and Disasters  Table 17.7	Construction	The design, location and layout of the Proposed Development complies with HSE's approach to Land Use Planning.	Embedded in the design <b>(Environmental Statement Chapter 3: Description of the Proposed Development (Volume 6.2))</b>	Applicant



Ref	Topic	Project Stage	Measures	Implementation	Responsibility
121	ES Chapter 17 Major Accidents and Disasters Section 17.4 Table 17.6, Table 17.7	Construction	Lightning protection designed to BS EN 62305 reduces the risk to ALARP.	Schedule 13 (Documents and Plans to be certified). <b>Environmental Statement Chapter 14 Climate and 17 Major Accidents and Disasters (Volume 6.2)</b>	Applicant
122	ES Chapter 17 Major Accidents and Disasters Section 17.4 Table 17.6, Table 17.7	Construction	The Proposed Development will comply with <i>The Dangerous Substances and Explosive Atmospheres Regulations 2002 (DSEAR) (as amended)</i> .	Regulatory Requirement	Applicant
123	BREEAM	Operation	The EfW CHP Facility attaining BREEAM 'Good' with the administration building attaining 'Excellent'.	DCO Requirement 2 (Detailed design approval): <b>DAS Appendix A design principles (Volume 7.5)</b>	Applicant



Ref	Topic	Project Stage	Measures	Implementation	Responsibility
124	Waste reduction	Operation	Adoption of the waste hierarchy aiming to minimise recyclable and reusable waste received at the EfW CHP Facility during its commissioning and operation.	DCO Requirement 14 (Waste hierarchy scheme).	Applicant

