

## **Appendix 1.5**

### **EIA Legislation Compliance Matrix**



Article 5 of the EIA Directive sets out what must be included in the Environmental Impact Assessment Report (EIAR) and how to ensure that it is both of a sufficient high quality and complete. Article 5(1) sets out what Developers must include as a minimum in the EIAR. Annex IV, referenced in Article 5(1)(f) expands on these requirements. Article 5(3)(a) sets out the requirements for a developer to ensure that the EIAR is prepared by competent experts. Refer to table below for further details.

EIA Directive 14/52/EU	European Union (Planning and Development) (EIA) Regulations 2018	European Commission (2017) Guidance on Environmental Impact Assessment of Projects	EPA (2017) Draft Guidelines on the Information to be contained in Environmental Impact Assessment Reports (Draft August 2017)	Demonstration of how the EIAR complies with the legislative and best practice requirements
<p><b>Article 5 (1)</b>  <b>Where an environmental impact assessment is required, the developer shall prepare and submit an environmental impact assessment report. The information to be provided by the developer shall include at least:</b></p>				
<p>1 (a) a description of the proposed development comprising information on the site, design, size and other relevant features of the proposed development.</p>	<p>Part 5, Section 63 – new Covered under Article 94 (a) and Schedule 6, Paragraph 1(a)</p>	<p>Part A of the EC Guidance provides an overview of the legislative requirements for the preparation of the EIA Report, while Part B provides practical guidance on the preparation of the EIA Report. Part C of the guidance provides an EIA Report checklist.</p> <p>Part B, Section 1 provides guidance on the EIA Reports content requirements, including in Section 1.1 guidance on the project description.</p>	<p>Section 3.5 of the Draft Guidelines addresses how the proposed project should be described. In particular, Section 3.5.8 indicates the level of detail to be included in the project description</p>	<p>Chapters 4 (Project Description) and 5 (Construction Activities) of the EIAR provide a description of the proposed development comprising information on the site, design, size and other relevant features of the proposed development. Refer also to the figures referenced in these chapters and the drawings included in the 2016 planning application package which are included in this EIAR.</p> <p>Section 4.2 of the EIAR describes the site and surrounds, including other industries in the immediate and wider area. Sections 4.3 to 4.20 provide information on the proposed development in terms of design, land use requirements, size, site layout, operations, processes, individual structures, drainage, services, L2545 road upgrade works, coastal protection measures, diversion of services, regulatory control, BAT and other relevant features. The operations and processes associated with the proposed development are described in detail in Sections 4.6 to 4.14 including operating hours, waste-to-energy processes, waste handling, energy recovery, flue gas treatment, control systems and process inputs.</p> <p>Chapter 5 (Construction Activities) of the EIAR provides significant detail of the proposed development during the construction phase with regard to the approach to construction, indicative duration and phasing, land use requirements, enabling works including earthworks, indicative construction methods, traffic and site management (including materials requirements) and environmental management.</p> <p>A Construction Environmental Management Plan (CEMP) is provided in Appendix 5.1 of the EIAR, the purpose of which is to provide a mechanism by which environmental protection is to be achieved during the construction phase of the proposed development in order to ensure any</p>

	<b>EIA Directive 14/52/EU</b>	<b>European Union (Planning and Development) (EIA) Regulations 2018</b>	<b>European Commission (2017) Guidance on Environmental Impact Assessment of Projects</b>	<b>EPA (2017) Draft Guidelines on the Information to be contained in Environmental Impact Assessment Reports (Draft August 2017)</b>	<b>Demonstration of how the EIAR complies with the legislative and best practice requirements</b>
					<p>disruption and nuisance is kept to a minimum. The CEMP identifies the minimum requirements with regard to the appropriate mitigation, monitoring, inspection and reporting mechanisms that need to be implemented during construction phase.</p>
	<p>1 (b) a description of the likely significant effects on the environment of the proposed development.</p>	<p>Covered under Part 5, Section 63 – new Article 94 (a) and new Schedule 6, Paragraph 1(b)</p>	<p>Part B, Section 1.4 of the EC Guidance provides guidance on assessing effects on the environment.</p>	<p>Section 3.7 of the Draft Guidelines sets out the guidelines with regard to the impact assessment, including in particular Section 3.7.3 which sets out best practice with regard to the description of effects, Section 3.7.4 on the assessment criteria and Section 3.7.5 on assessment methods. Section 3.9 provides guidance on residual impacts and conclusions.</p>	<p>A description of the likely significant effects on the environment of the proposed development is provided in each of the specialist assessment chapters (Chapters 6-16) of the EIAR. Each specialist assessment chapter identifies, describes and assesses the likely significant effects of the proposed development on the particular environmental factor.</p> <p>These likely significant effects are considered in relation to:</p> <ul style="list-style-type: none"> <li>• Construction phase</li> <li>• Operation phase</li> <li>• Cumulative effects</li> </ul> <p>Each specialist chapter (Ch 6 - 16) provides information on the ‘do-nothing’ scenario (i.e. outline of what is likely to happen in the environment should the proposed development not be implemented). A summary of the ‘do-nothing’ scenarios is given in Chapter 17 Cumulative, Other Effects and Interactions. Each chapter provides information on the likely residual effects of the proposed development (on the particular environmental factor), with the implementation of mitigation and monitoring measures.</p> <p>The overall cumulative and interactive effects of the proposed development are considered in Chapter 17 Cumulative, Other Effects and Interactions of the EIAR.</p>
	<p>1 (c) a description of the features, if any, of the proposed development and the measures, if any, envisaged to avoid, prevent or reduce, and if possible, offset likely significant adverse effects on the environment of the development.</p>	<p>Covered under Part 5, Section 63 – new Article 94 (a) and new Schedule 6, Paragraph 1(c)</p>	<p>Part B, Section 1.1 of the EC Guidance provides guidance on the description of the development, while Section 1.6 addresses mitigation and compensation measures.</p>	<p>Section 3.5 of the Draft Guidance provides recommendations on the description of the project. Section 3.8 of the Draft Guidelines highlights how mitigation and monitoring should be addressed in an EIAR.</p>	<p>Chapters 4 (Project Description) and 5 (Construction Activities) of the EIAR provide a description of the embedded design features/ proposed construction methodology which will avoid, prevent or reduce and if possible, offset likely significant adverse effects on the environment of the development. For example, Section 4.7.4 describes the process control of Nitrogen Oxides (NOx) which forms an integral part of the design whilst</p>

EIA Directive 14/52/EU	European Union (Planning and Development) (EIA) Regulations 2018	European Commission (2017) Guidance on Environmental Impact Assessment of Projects	EPA (2017) Draft Guidelines on the Information to be contained in Environmental Impact Assessment Reports (Draft August 2017)	Demonstration of how the EIAR complies with the legislative and best practice requirements
				<p>Section 4.11 describes the proposed emissions monitoring of flue gases and dioxin emissions.</p> <p>Further, chapters (Ch 6-16), as detailed above, include a description of the main features of the proposed development with regard to the specialist environmental aspect, as well as a description of the mitigation measures, if any, set out to avoid, prevent or reduce, and if possible, offset likely significant adverse effects on the environment of the development. Each of the specialist assessment measures details the mitigation and monitoring measures proposed to offset likely significant adverse effects. Residual effects are also detailed within these chapters. Chapter 18 Summary of Effects, Mitigation and Monitoring Measures, summaries these mitigation and monitoring measures for each environmental aspect and presents the residual effects.</p>
<p>1 (d) a description of the reasonable alternatives studied by the person or persons who prepared the EIAR, which are relevant to the proposed development and its specific characteristics, and an indication of the main reasons for the option chosen, taking into account the effects of the proposed development on the environment.</p>	<p>Covered under Part 5, Section 63 – new Article 94 (a) and new Schedule 6, Paragraph 1(d)</p>	<p>Part B, Section 1.5 of the EC Guidance provides recommendations on the mandatory assessment of alternatives.</p>	<p>Section 3.4 of the Draft Guidelines sets out the recommended approach to the consideration of alternatives in the EIAR, including the ‘do nothing’ alternative, alternative locations, layouts, designs, processes, mitigation measures and the need for consultation on the alternatives consideration.</p>	<p>A description of the reasonable alternatives studied by the person or persons who prepared the EIAR, which are relevant to the proposed development and its specific characteristics, and an indication of the main reasons for the option chosen, taking into account the effects of the proposed development on the environment is provided in in Chapter 3 of the EIAR.</p>
<p>1 (e) a non-technical summary of the information referred to in points (a) to (d); and</p>	<p>Covered under Part 5, Section 63 – new Article 94 (c)</p>	<p>Section 2 of the EC Guidance addresses the Quality of the EIA Report, including the format and presentation of the non-technical summary in Section 2.1.2. Box 41 under Section 2.1.2 includes the qualities of a good non-technical summary.</p>	<p>Section 4 of the Draft Guidelines sets out best practice in presenting information in an EIAR, with Section 4.6 dealing with the preparation of the non-technical summary.</p>	<p>A non-technical summary has been prepared which summarises the information referred to in points (a) to (d) of Article 5(1), in non-technical language. The non-technical summary is presented as Volume 1 of the EIAR.</p>
<p>(f) any additional information specified in Annex IV relevant to the specific characteristics of a particular</p>	<p>Covered under Part 5, Section 63 – new Article 94 (b). Paragraph 2 of new</p>	<p>See below</p>	<p>See below</p>	<p>See below.</p>

EIA Directive 14/52/EU	European Union (Planning and Development) (EIA) Regulations 2018	European Commission (2017) Guidance on Environmental Impact Assessment of Projects	EPA (2017) Draft Guidelines on the Information to be contained in Environmental Impact Assessment Reports (Draft August 2017)	Demonstration of how the EIAR complies with the legislative and best practice requirements
project or type of project and to the environmental features likely to be affected.	Schedule 6 specifies the information required under Article 94(b).			
<b>Annex IV (Information referred to in Article 5(1) – Information for the Environmental Impact Assessment Report</b>				
(1) Description of the project, including in particular: (a) A description of the location of the project	Covered under 2(a)(i) of Article 94, Schedule 6	Part B, Section 1.1 of the EC Guidance provides recommendations on the project description.	Section 3.5 of the Draft Guidelines provides best practice recommendations with regard to the description of the proposed project. In particular, Section 3.5.8 provides recommendations with regard to the level of detail to be provided in the project description.	Chapters 4 (Project Description) and 5 (Construction Activities) of the EIAR provide a description of the proposed development. The location of the construction phase of proposed development will take place in the same location as the proposed development during operational phase.  Section 4.2 of Chapter 4 Description of the Proposed Development, describes the site location, immediate vicinity and the wider Ringaskiddy area. The description of the site includes a number of figures that give aerial imagery and drone photograph of the areas described where available (Figures 4.1-4.6 of Volume III of the EIAR). Refer also to the figures referenced in these chapters and the drawings included in the 2016 planning application package.
(1) Description of the project, including in particular: (b) A description of the physical characteristics of the whole project, including where relevant, requisite demolition works, and the land-use requirements during the construction and operational phases.	Covered under 2(a)(ii) of Article 94, Schedule 6	Part B, Section 1.1 of the EC Guidance provides recommendations on the project description. Section 1.2 provides guidance on the baseline scenario.	Section 3.5 of the Draft Guidelines provides best practice recommendations with regard to the description of the proposed project. In particular, Section 3.5.2 provides recommendations with regard to the characteristics of the project, with Section 3.5.3 providing recommendations with regard to the description of the construction works.	Chapters 4 (Project Description) and 5 (Construction Activities) of the EIAR provide a description of the physical characteristics of the whole project, including where relevant, requisite demolition works, and the land-use requirements during the construction and operational phases. Refer also to the figures referenced in these chapters and the drawings included in the 2016 planning application package which are included in this EIAR.  Section 4.5 describes in detail each aspect of the as-built proposed development including the layout of the proposed facility (main process building, turbine hall, administration building), storage areas, site infrastructure (electricity substation, lighting, drainage), emergency access and overall land use of the site. The ancillary works are also described including the public amenity footpath, L2545 road upgrade, increase in ground levels, coastal protection measures and diversion of services. Refer also to Sections 4.3 to 4.20. Demolition works are not proposed as noted in Section 4.5.18. Decommissioning is described in Section 4.18.

EIA Directive 14/52/EU	European Union (Planning and Development) (EIA) Regulations 2018	European Commission (2017) Guidance on Environmental Impact Assessment of Projects	EPA (2017) Draft Guidelines on the Information to be contained in Environmental Impact Assessment Reports (Draft August 2017)	Demonstration of how the EIAR complies with the legislative and best practice requirements
				<p>Chapter 5 Construction Activities, provides significant detail with regard to the approach to construction, indicative duration and phasing, land use requirements, enabling works, traffic and site management (including materials and services required) and environmental management.</p> <p>A Construction Environmental Management Plan (CEMP) is included in Appendix 5.1 of the EIAR, the purpose of which is to provide a mechanism by which environmental protection is to be achieved during the construction phase of the proposed development in order to ensure any disruption and nuisance is kept to a minimum. The CEMP identifies the minimum requirements with regard to the appropriate mitigation, monitoring, inspection and reporting mechanisms that need to be implemented during construction phase.</p>
<p>(1) Description of the project, including in particular: (c) A description of the main characteristics of the operational phase of the project (in particular any production process), for instance, energy demand and energy used, nature and quantity of materials and natural resources (including water, land, soil and biodiversity used).</p>	<p>Covered under 2(a)(iii) of Article 94, Schedule 6</p>	<p>Part B, Section 1.1 of the EC Guidance provides recommendations on the project description.</p>	<p>Section 3.5 of the Draft Guidelines provides best practice recommendations with regard to the description of the proposed project. In particular, Section 3.5.2 provides recommendations with regard to the characteristics of the project, with Sections 3.5.4 and 3.5.5 providing recommendations with regard to the description of the commissioning and the operation of the project.</p>	<p>Chapters 4 Description of the Proposed Development, 12 (Biodiversity), 13 (Soils, Geology, Hydrogeology, Hydrology and Coastal Recession) and Chapter 15 (Material Assets of the EIAR provide a description of the main characteristics of the operational phase of the project (in particular any production process), for instance, energy demand and energy used, nature and quantity of materials and natural resources (including water, land, soil and biodiversity used) as follows:</p> <p>Section 4.6 describes the general operations of the proposed development including operating hours and annual maintenance schedule, site management is described in Section 4.16. The main waste-to-energy production processes of the proposed development are described in detail in Section 4.7 (waste acceptance, waste handling, furnace and controls). Chapter 4 also describes the operation of the proposed development in terms of energy demand and energy usage (Section 4.8), the nature and quantity of materials used in the process (Section 4.9 and 4.12), the natural resources required (Section 4.13 and Section 4.15) in terms water, power and energy efficiency (Section 4.13.7). Process outputs are also described (Section 4.13) in terms of waste, electricity and heat. Secondary processes such as the back-up systems (Section</p>

EIA Directive 14/52/EU	European Union (Planning and Development) (EIA) Regulations 2018	European Commission (2017) Guidance on Environmental Impact Assessment of Projects	EPA (2017) Draft Guidelines on the Information to be contained in Environmental Impact Assessment Reports (Draft August 2017)	Demonstration of how the EIAR complies with the legislative and best practice requirements
				<p>4.14.1) and drainage (including storm and fire water) are described in Section 4.14.3. Decommissioning is described in Section 4.18. Health &amp; Safety (Section 4.17). The regulatory controls on the operations under the Industrial Emissions Licence (Section 4.19) and the best available technologies (BAT) that will be employed at the proposed development are outlined (Section 4.20). Chapter 11 (Landscape &amp; Visual), Chapter 12 (Biodiversity), Chapter 13 (Soils, Geology, Hydrogeology, Hydrology and Coastal Recession) and Chapter 15 (Material Assets) provide further detail on the nature and quantity of materials and natural resources (water, land, soil and biodiversity) during the operational phase of the proposed development.</p>
<p>(1) Description of the project, including in particular: (d) An estimate, by type and quantity, of expected residues and emissions (such as water, air, soil and subsoil pollution, noise, vibration, light, heat, radiation) and quantities and types of waste produced during the construction and operational phases.</p>	<p>Paragraph 2 of Schedule 6 Covered under 2(a)(iv) of Article 94, Schedule 6</p>	<p>Part B, Section 1.1 of the EC Guidance provides recommendations on the project description. Section 1.2 provides guidance on the baseline scenario. Section 1.3 provides recommendations on the environmental factors to be considered.</p>	<p>As detailed above, Section 3.5 of the Draft Guidelines provides best practice recommendations with regard to the description of the proposed project.</p> <p>Section 3.6 and 3.7 of the Draft Guidelines provide the relevant recommendations with regard to the description of the baseline and impact assessment. Section 3.9 provides guidance on residual impacts and conclusions.</p>	<p>There are a number of chapters in the EIAR which provide a description of an estimate, by type and quantity, of expected residues and emissions (such as water, air, soil and subsoil pollution, noise, vibration, light, heat, radiation) and quantities and types of waste produced during the construction and operational phases as follows:</p> <p>Chapter 4 describes in detail the operation of the proposed development as a waste-to-energy facility. In particular, waste generated as process outputs (solid waste residues, bottom ash, boiler ash and flue gas cleaning residues) are described in Section 4.13. Section 4.17.1 describes how the site will be protected from ionising radiation materials accidentally mixed with the incoming municipal waste stream. Section 4.15 describes the water emissions with regards to the management of storm and sanitary (foul) water management on site as well as fire water management. Section 4.8.1 describes how heat generated during the operation of the proposed development will be recovered and used for energy generation.</p> <p>Chapter 5 Construction Activities, describes the types of residues generated during the construction phase in terms of excavated materials (Section 5.5) and storm and foul water (Section 5.6.3).</p> <p>Chapter 11 Landscape and Visual, assesses the likely significant effects of lighting during the construction (Section 11.4.1) and operation (Section 11.5.2) of the proposed development.</p>

EIA Directive 14/52/EU	European Union (Planning and Development) (EIA) Regulations 2018	European Commission (2017) Guidance on Environmental Impact Assessment of Projects	EPA (2017) Draft Guidelines on the Information to be contained in Environmental Impact Assessment Reports (Draft August 2017)	Demonstration of how the EIAR complies with the legislative and best practice requirements
				<p>Further detail on expected residues and emissions are provided in the individual specialist chapters of the EIAR, including Chapter 8 (Air Quality), Chapter 9 (Climate), Chapter 10 (Noise and Vibration), Chapter 13 (Soils, Geology, Hydrology, Hydrogeology and Coastal Recession) and Chapter 15 (Material Assets). A Construction and Environmental Management Plan (CEMP) is also included in Appendix 5.1 of the EIAR. The outline CEMP identifies the minimum requirements with regard to the appropriate mitigation, monitoring, inspection and reporting mechanisms that need to be implemented during construction.</p>
<p>2. A description of the reasonable alternatives (for example in terms of project design, technology, location, size and scale) studied by the developer, which are relevant to the proposed project and its specific characteristics, and an indication of the main reasons for selecting the chosen option, including a comparison of the environmental effects.</p>	<p>Covered under 2(b) of Article 94, Schedule 6</p>	<p>Part B, Section 1.5 of the EC Guidance provides recommendations with regard to the mandatory assessment of alternatives.</p>	<p>Section 3.4 of the Draft Guidelines sets out the recommended approach to the consideration of alternatives in the EIAR, including the ‘do nothing’ alternative, alternative locations, layouts, designs, processes, mitigation measures and the need for consultation on the alternatives consideration.</p>	<p>A description of the reasonable alternatives (for example in terms of project design, technology, location, size and scale) studied by the developer, which are relevant to the proposed project and its specific characteristics, and an indication of the main reasons for selecting the chosen option, including a comparison of the environmental effects is provided in Chapter 3 in Chapter 3 of the EIAR. A detailed description of the reasonable alternatives considered for the proposed development is provided in Chapter 3 Alternatives.</p>
<p>3. A description of the relevant aspects of the current state of the environment (baseline scenario) and an outline thereof without implementation of the project as far as natural changes from the baseline scenario can be assessed with reasonable effort on the basis of the availability of environmental information and scientific knowledge.</p>	<p>Covered under 2(c) of Article 94, Schedule 6</p>	<p>Part B, Section 1.2 of the EC Guidance, provides recommendations with regard to the baseline scenario in an EIAR.</p>	<p>Section 3.6 of the Draft Guidelines sets out recommendations for describing the baseline, including methodology, grouping of information, range and level of detail.</p>	<p>A description of the relevant aspects of the current state of the environment (baseline scenario) and an outline thereof without implementation of the project as far as natural changes from the baseline scenario can be assessed with reasonable effort on the basis of the availability of environmental information and scientific knowledge is provided in a number of chapters of the EIAR.</p> <p>Each specialist assessment chapter (Ch 6 – 16) includes a detailed description of the baseline conditions with regard to the specific environmental aspect based on the best available environmental information and scientific knowledge. Each of these specialist assessments also includes an outline of the potential changes from the baseline scenario without the implementation of the project – in the assessment of the ‘do-nothing’ scenario and for example, in the description of future year traffic growth rates during construction (Section 7.7.1 of the</p>

	<b>EIA Directive 14/52/EU</b>	<b>European Union (Planning and Development) (EIA) Regulations 2018</b>	<b>European Commission (2017) Guidance on Environmental Impact Assessment of Projects</b>	<b>EPA (2017) Draft Guidelines on the Information to be contained in Environmental Impact Assessment Reports (Draft August 2017)</b>	<b>Demonstration of how the EIAR complies with the legislative and best practice requirements</b>
					<p>EIAR, Chapter 7 Traffic and Transport) and operation (Section 7.7.13). A summary of the “do-nothing scenario” for all of the specialist assessments is provided in Chapter 17 of the EIAR</p> <p>Section 2.5 of Chapter 2 Planning Policy and Need for the Scheme, describes the current state of the environment in terms of waste management planning policy at a local, regional and national level and the current treatment options for hazardous and non-hazardous waste in Ireland.</p>
	<p>4. A description of the factors specified in Article 3(1)<sup>1</sup> likely to be significantly affected by the project; population, human health, biodiversity (for example fauna and flora), land (for example land take), soil (for example organic matter, erosion, compaction, sealing), water (for example hydromorphological changes, quantity and quality), air, climate (for example greenhouse gas emissions, impacts relative to adaption), material assets, cultural heritage, including architectural and archaeological aspects, and landscape.</p>	<p>Covered under 2(d) of Article 94, Schedule 6 with slightly different wording and reference to Section 171A of the Planning and Development Act, 2000, as amended</p>	<p>Part B, Section 1.3 of the EC Guidance provides recommendations with regard to the environmental factors to be considered in the EIAR.</p>	<p>Section 3.6 of the Draft Guidelines sets out recommendations for describing the baseline, including methodology, grouping of information, range and level of detail.</p>	<p>The EIAR contains the following specialist assessments which provide details on the factors specified in Article 3(1) likely to be significantly affected by the project in compliance with the legislation and best practice guidance:</p> <p>(a) Population &amp; Human Health: addressed in Chapter 6 – Population and Human Health and cross referenced in other chapters relating to public health such as air, noise, water, soil (see below.)</p> <p>(b) Biodiversity: addressed in Chapter 12 - Biodiversity</p> <p>(c) Land, soil, water, air and climate: addressed as follows:</p> <ul style="list-style-type: none"> <li>• Land: Chapter 11 – Landscape and Visual and Chapter 15 – Material Assets</li> <li>• Soil and Water: addressed in Chapter 13 – Soils, Geology, Hydrology, Hydrogeology and Coastal Recession</li> <li>• Air: addressed in Chapter 8 – Air Quality</li> <li>• Climate: addressed in Chapter 9 – Climate. Also addressed in the design of the proposed development in terms of flood risk (Refer to Chapter 4 and 13)</li> </ul> <p>(d) Material assets, cultural heritage and the landscape:</p> <ul style="list-style-type: none"> <li>• Material Assets: addressed in Chapter 15 – Material Assets</li> <li>• Cultural heritage: addressed in Chapter 14 – Archaeology, Architectural and Cultural Heritage</li> <li>• The landscape: addressed in Chapter 11 – Landscape and Visual</li> </ul>

<sup>1</sup> Article 3:(1).”The environmental impact assessment shall identify, describe and assess in an appropriate manner, in the light of each individual case, the direct and indirect significant effects of a project on the following factors: (a) population and human health; (b) biodiversity, with particular attention to species and habitats protected under Directive 92/43/EEC and Directive 2009/147/EC; (c) land, soil, water, air and climate; (d) material assets, cultural heritage and the landscape; (e) the interaction between the factors referred to in points (a) to (d)”.

Article 3 (2). “he effects referred to in paragraph 1 on the factors set out therein shall include the expected effects deriving from the vulnerability of the project to risks of major accidents and/or disasters that are relevant to the project concerned”

EIA Directive 14/52/EU	European Union (Planning and Development) (EIA) Regulations 2018	European Commission (2017) Guidance on Environmental Impact Assessment of Projects	EPA (2017) Draft Guidelines on the Information to be contained in Environmental Impact Assessment Reports (Draft August 2017)	Demonstration of how the EIAR complies with the legislative and best practice requirements
				<p>(e)                      Chapters 7 – Roads and Traffic, Chapter 10 – Noise and Vibration and Chapter 16 – Major Accidents and Disasters are also relevant in terms of providing information on the factors likely to be significantly affected by the project</p> <p>Further, a detailed description of the baseline environment for each of the environmental factors is provided in each of these assessments of each chapter.</p>
<p>5. A description of the likely significant effects of the project on the environment resulting from, inter alia:</p> <p>(a) The construction and existence of the project, including where relevant, demolition works;</p>	<p>Covered under 2(e) of Article 94, Schedule 6 with slightly different wording and reference to Section 171A of the Planning and Development Act, 2000, as amended</p>	<p>Part B, Section 1.1 of the EC Guidance provides recommendation on the project description. Section 1.4 provides recommendations on assessing effects on the environment.</p>	<p>Section 3.5 of the Draft Guidelines provides recommendations with regard to the description of the project, including Section 3.5.3 which provides guidance on the description of Construction. Section 3.3 provides guidance on the scoping of the assessments. Section 3.7 includes recommendations on the impact assessment, including in particular, Section 3.7.3 which addresses the descriptions of effects. Section 3.9 provides guidance on residual impacts and conclusions.</p>	<p>Chapter 5 Construction Activities, includes a detailed description of the construction of the proposed development, including details on the approach to construction, indicative duration and phasing, land use requirements, enabling works, traffic and site management (including materials requirements), demolition works and environmental management. Demolition works are not proposed as noted in Section 4.5.18. Decommissioning is described in Section 4.18.</p> <p>Chapter 4 describes in detail the existence of the project in terms of the operation of the proposed development as a waste-to-energy facility. Sections 4.3 to 4.20 provide information on the proposed development in terms of design, land use requirements, size, site layout, operations, processes, individual structures, drainage, services, L2545 road upgrade works, coastal protection measures, diversion of services, regulatory control, BAT and other relevant features. The operations and processes associated with the proposed development are described in detail in Sections 4.6 to 4.14 including operating hours, waste-to-energy processes, waste handling, energy recovery, flue gas treatment, control systems and process inputs.</p> <p>Each specialist assessment chapter (Chapters 6 – 16) considers the likely significant effects of the project from the construction, including the ancillary works (the L2545 road upgrade works, coastal protection measures and diversion of services) that accommodate the proposed development. Each specialist assessment details the likely significant effects of the proposed development relevant to each environmental aspect, with the effects of the construction of the development included therein.</p>

EIA Directive 14/52/EU	European Union (Planning and Development) (EIA) Regulations 2018	European Commission (2017) Guidance on Environmental Impact Assessment of Projects	EPA (2017) Draft Guidelines on the Information to be contained in Environmental Impact Assessment Reports (Draft August 2017)	Demonstration of how the EIAR complies with the legislative and best practice requirements
<p>5. A description of the likely significant effects of the project on the environment resulting from, inter alia:</p> <p>(b) The use of natural resources, in particular, land, soil, water and biodiversity, considering as far as possible the sustainable availability of these resources;</p>	<p>Covered under 2(e) of Article 94, Schedule 6 with slightly different wording and reference to Section 171A of the Planning and Development Act, 2000, as amended</p>	<p>Part B, Section 1.1 of the EC Guidance provides recommendation on the project description. Section 1.3 provides guidance on the environmental factors to be considered. Section 1.4 provides recommendations on assessing effects on the environment.</p>	<p>Section 3.3 of the Draft Guidelines provides guidance on the scoping of the assessments. Section 3.5 provides recommendations with regard to the description of the project. Section 3.7 includes recommendations on the impact assessment. Sections 3.8 and 3.9 provide guidance on mitigation and monitoring and residual impacts and conclusions.</p>	<p>The likely significant effects of the proposed development on land, soils and water during the construction and operation of the proposed development are described in Chapter 13 (Soils, Geology, Hydrogeology, Hydrology and Coastal Recession) for soils (Sections 13.5.2), groundwater (Section 13.5.3), surface water including rivers (Section 13.5.4) and coastal areas (Section 13.5.5). The likely significant effects of the proposed development on biodiversity during the construction and operation of the proposed development are described in Chapter 12 Biodiversity, including terrestrial habitats (Section 12.6.1), non-native invasive species (Section 12.6.2), marine habitats (Section 12.6.3.8) and fauna (Section 12.6.3.9).</p> <p>The sustainable availability of these resources has been considered in the relevant chapters for the construction and operation phases, refer to:</p> <ul style="list-style-type: none"> <li>• Land in terms of land take and suitable zoning (Section 2.4.3 of Chapter 2 and Appendix 3.3 Planning Report of Chapter 3);</li> <li>• Land in terms of land use (Section 15.5.2.1 of Chapter 15);</li> <li>• Soils in terms of the use and re-use of soil during the construction of the proposed development (Section 13.4.2.1 of Chapter 13);</li> <li>• Water in terms of water use during construction (Section 5.6.2 of Chapter 5 and Section 15.5.2.6 of Chapter 15) and operation (Section 4.12.2 of Chapter 4 and Section 15.5.3.6);</li> <li>• Water in terms of water quality and discharges to water bodies (of which there are none) during construction (Section 13.5.4.1 of Chapter 13 and Section 15.5.2.4) and operation (Section 13.5.4.2 of Chapter 13 and Section 15.5.3.4 of Chapter 15); and</li> <li>• Biodiversity in terms of the ecological value of the site of the proposed development (Section 12.3.5, Chapter 12).</li> </ul>

EIA Directive 14/52/EU	European Union (Planning and Development) (EIA) Regulations 2018	European Commission (2017) Guidance on Environmental Impact Assessment of Projects	EPA (2017) Draft Guidelines on the Information to be contained in Environmental Impact Assessment Reports (Draft August 2017)	Demonstration of how the EIAR complies with the legislative and best practice requirements
<p>5. A description of the likely significant effects of the project on the environment resulting from, inter alia:</p> <p>(c) The emission of pollutants, noise, vibration, light, heat and radiation, the creation of nuisances, and the disposal and recovery of waste;</p>	<p>Covered under 2(e) of Article 94, Schedule 6 with slightly different wording and reference to Section 171A of the Planning and Development Act, 2000, as amended</p>	<p>Part B, Section 1.1 of the EC Guidance provides recommendation on the project description. Section 1.3 provides guidance on the environmental factors to be considered. Section 1.4 provides recommendations on assessing effects on the environment.</p>	<p>Section 3.3 of the Draft Guidelines provides guidance on the scoping of the assessments. Section 3.5 provides recommendations with regard to the description of the project. Section 3.7 includes recommendations on the impact assessment. Sections 3.8 and 3.9 provide guidance on mitigation and monitoring and residual impacts and conclusions.</p>	<p>Chapter 4 describes in detail the waste generated as process outputs (solid waste residues, bottom ash, boiler ash and flue gas cleaning residues) from the waste-to-energy operations including Section 4.13. Section 4.15 describes the water emissions with regards to the management of storm and sanitary (foul) water management on site as well as fire water management. Section 4.8 describes the process by which heat generated will be recovered for energy generation. Section 4.17.1 describes how the site will be protected from ionising radiation materials accidentally mixed with the incoming municipal waste stream.</p> <p>Chapter 5 Construction Activities, describes construction phase activities that will potentially generate the emission of pollutants in terms of water (Section 5.6), noise and vibration nuisances (Section 5.4) and waste (Section 5.5). The likely significant effects of these emissions, nuisances and wastes on the environment are described in detail in the respective assessment chapters:</p> <p>Chapter 6 Population and Human Health, assesses the likely significant effects of any nuisance effects and emission of pollutants during the construction and operation of the proposed development on human health.</p> <p>Chapter 7 Roads and Traffic, describes the likely significant effects of the proposed development will have on traffic flows and Chapter 6 considers these effects in terms of the access and use of residential amenities (Section 6.5.3.1).</p> <p>Chapter 8 (Air Quality) describes the likely significant effects of air emissions during the construction and operation phase of the proposed development on the air quality.</p> <p>Chapter 9 (Climate) describes the likely significant effects of emissions of pollutants on climate during the construction and operation phase of the proposed development.</p> <p>Chapter 10 (Noise and Vibration) describes the likely significant effects of noise emissions and vibration effects during the construction and operation phase of the proposed development.</p> <p>Chapter 11 Landscape and Visual, assesses the likely significant effects of lighting during the construction</p>

EIA Directive 14/52/EU	European Union (Planning and Development) (EIA) Regulations 2018	European Commission (2017) Guidance on Environmental Impact Assessment of Projects	EPA (2017) Draft Guidelines on the Information to be contained in Environmental Impact Assessment Reports (Draft August 2017)	Demonstration of how the EIAR complies with the legislative and best practice requirements
				<p>(Section 11.4.1) and operation (Section 11.5.2) of the proposed development.</p> <p>Chapter 13 (Soils, Geology, Hydrogeology, Hydrology and Coastal Recession) describes the likely significant effects of the proposed development from emissions to soil (Section 13.5.2), groundwater (Section 13.5.3) and surface water (Section 13.5.4) during construction and operation.</p> <p>Chapter 15 (Material Assets) describes the likely significant effects from proposed development in terms of waste during construction (Section 15.5.2) and operation phase (Section 15.5.3) of the proposed development.</p>
<p>5. A description of the likely significant effects of the project on the environment resulting from, inter alia:</p> <p>(d) The risks to human health, cultural heritage or the environment (for example due to accidents or disasters)</p>	<p>Covered under 2(e) of Article 94, Schedule 6 with slightly different wording and reference to Section 171A of the Planning and Development Act, 2000, as amended</p>	<p>Part B, Section 1.1 of the EC Guidance provides recommendation on the project description. Section 1.3 provides guidance on the environmental factors to be considered. Section 1.4 provides recommendations on assessing effects on the environment.</p>	<p>Section 3.3 of the Draft Guidelines provides guidance on the scoping of the assessments. Section 3.5 provides recommendations with regard to the description of the project. Section 3.7 includes recommendations on the impact assessment. Sections 3.8 and 3.9 provide guidance on mitigation and monitoring and residual impacts and conclusions.</p>	<p>Section 6.5.4.2 of Chapter 6 Population and Human Health, assesses the likely significant effects of the risks of the proposed development on human health in terms of the waste-to-energy operations. A Hazard Identification and Risk Assessment Report was prepared and is presented in Appendix 6.1.</p> <p>Chapter 14 Archaeological, Architectural and Cultural Heritage, describes the likely significant effects from the construction (Section 14.6.1) and operation (Section 14.6.2) of proposed development in terms of cultural heritage.</p> <p>Chapter 16 Major Accidents and Disasters, describes the likely significant effects from the construction (Section 14.6.1) and operation (Section 14.6.2) of proposed development in terms of risks of accidents or disasters.</p>
<p>5. A description of the likely significant effects of the project on the environment resulting from, inter alia:</p> <p>(e) The cumulation of effects with other existing and/or approved projects, taking into account any existing environmental problems relating to areas of particular environmental importance likely to be affected or the use of natural resources;</p>	<p>Covered under 2(e) of Article 94, Schedule 6 with slightly different wording and reference to Section 171A of the Planning and Development Act, 2000, as amended</p>	<p>Part B, Section 1.4 of the EC Guidance provides recommendations on assessing effects on the environment, with Section 1.4.3 dealing with cumulative effects.</p>	<p>Section 3.3 of the Draft Guidelines provides guidance on the scoping of the assessments. Section 3.5 provides recommendations with regard to the description of the project, and in particular, Section 3.5.7 looks at the description of other related projects. Section 3.7 includes</p>	<p>Each of the assessment chapters has considered all existing and/or approved projects that have the potential have a cumulative effect in the environment for each aspect, as a result of the construction and operation of the proposed development.</p> <p>Chapter 17 Cumulative Effects, Other Effects and Interactions, describes all existing and/or approved projects that have a potential cumulative effect on the environment with the construction and operation of the proposed development and summarises for each existing and/or approved project where like significant cumulative</p>

EIA Directive 14/52/EU	European Union (Planning and Development) (EIA) Regulations 2018	European Commission (2017) Guidance on Environmental Impact Assessment of Projects	EPA (2017) Draft Guidelines on the Information to be contained in Environmental Impact Assessment Reports (Draft August 2017)	Demonstration of how the EIAR complies with the legislative and best practice requirements
			<p>recommendations on the impact assessment, with Section 3.7.6 addressing interactions between impacts on different factors. Sections 3.8 and 3.9 provide guidance on mitigation and monitoring and residual impacts and conclusions.</p>	<p>effects have been identified in the respective assessment chapters.</p> <p>Section 15.7 of Chapter 15 Material Assets considers the cumulative effects of the proposed development in terms of natural resources during the construction and operation of the scheme.</p>
<p>5. A description of the likely significant effects of the project on the environment resulting from, inter alia:</p> <p>(f) The impact of the project on climate (for example the nature and magnitude of greenhouse gas emissions) and the vulnerability of the project to climate change;</p>	<p>Covered under 2(e) of Article 94, Schedule 6 with slightly different wording and reference to Section 171A of the Planning and Development Act, 2000, as amended</p>	<p>Part B, Section 1.1 of the EC Guidance provides recommendations on the project description. Section 1.3 provides guidance on the environmental factors to be considered, including in particular Section 1.3.2 impacts related to climate change. Section 1.4 provides guidance on assessing effects on the environment.</p>	<p>Section 3.3 of the Draft Guidelines provides guidance on the scoping of the assessments. Section 3.5 provides recommendations with regard to the description of the project. Section 3.7 includes recommendations on the impact assessment. Sections 3.8 and 3.9 provide guidance on mitigation and monitoring and residual impacts and conclusions.</p>	<p>Chapter 9 Climate, assess the likely significant effects of the proposed development on the climate during the construction (Section 9.5.2) and operation phase (Section 9.5.3) and considers the greenhouse gas emissions on the climate.</p> <p>Section 4.13.5 provides information on the energy generated during the operation of the proposed development and Section 4.5.7 describes the energy efficiency of the process during operation.</p> <p>The design of the proposed development has had regard to the vulnerability to climate change. Examples include:</p> <ul style="list-style-type: none"> <li>• Raising of the site ground levels, described in Section 4.3.3 and considered in Appendix 13.4 Flood Risk Assessment of Chapter 13; and;</li> <li>• Raising of the road level of the L2545 along the northern boundary, described in Section 4.3.2 and considered in Appendix 13.4 Flood Risk Assessment of Chapter 13;</li> <li>• The proposed coastal protection measures described in Section 4.5.16 of Chapter 4, address the potential effects of sea level rise due to climate change as considered in Appendix 13.3 Coastal Study in terms of coastal management measures for the coastal boundary.</li> </ul>

EIA Directive 14/52/EU	European Union (Planning and Development) (EIA) Regulations 2018	European Commission (2017) Guidance on Environmental Impact Assessment of Projects	EPA (2017) Draft Guidelines on the Information to be contained in Environmental Impact Assessment Reports (Draft August 2017)	Demonstration of how the EIAR complies with the legislative and best practice requirements
<p>5. A description of the likely significant effects of the project on the environment resulting from, inter alia:</p> <p>(g) The technologies and substances to be used.</p>	<p>Covered under 2(e) of Article 94, Schedule 6 with slightly different wording and reference to Section 171A of the Planning and Development Act, 2000, as amended</p>	<p>Part B, Section 1.1 of the EC Guidance provides recommendations on the project description. Section 1.3 provides guidance on the environmental factors to be considered, while Section 1.4 provides guidance on assessing effects on the environment. Section 1.5 addresses the mandatory assessment of alternatives.</p>	<p>Section 3.4 of the Draft Guidelines sets out the recommended approach to the consideration of alternatives in the EIAR, including the alternative designs, processes, mitigation measures and the need for consultation on the alternatives consideration. Section 3.5 provides recommendations with regard to the description of the project. Section 3.7 includes recommendations on the impact assessment. Sections 3.8 and 3.9 provide guidance on mitigation and monitoring and residual impacts and conclusions.</p>	<p>Chapter 4 Description of the Proposed Development describes in detail the technologies and substances that will be used in the operation of the proposed development. The technologies described include the main waste-to-energy process including the waste handling, furnace and control of nitrogen oxides (Section 4.7), energy recovery (Section 4.8), flue gas treatment (Section 4.9) and operation control systems (4.10). The technologies proposed for secondary processes (emergency generator, water management) are described in Section 4.14. The technologies for the general site services (surface water drainage, sanitary/foul, telecom, gas and electricity) are described in Section 4.15.</p> <p>The substances used during the construction of the project are described in Chapter 5 (Construction Activities) in terms of the materials imported (Section 5.5) and the services and utilities required for the build (Section 5.6). The substances required for the operation of the proposed development are described in Chapter 4 Description of the Proposed Development, in terms of the process inputs (waste, support fuel, water) and those required for flue gas cleaning (Section 4.12).</p> <p>Chapter 15 Material Assets describes the substances required for the construction (Section 15.5.2) and operation (Section 15.5.3) of the proposed development in terms of natural resources where the substances and the likely significant effects from the proposed development attributed to the use of these substances.</p>
<p>5. A description of the likely significant effects of the project on the environment resulting from, inter alia:</p> <p>The description of the likely significant effects on the factors specified in Article 3(1) should cover the direct effects and any indirect, secondary, cumulative, transboundary, short-term, medium-term and long-term, permanent and temporary, positive and negative effects of the project. This description should take into account the environmental protection objectives established at Union or Member State level which are relevant to the project.</p>	<p>Covered under 2(e) of Article 94, Schedule 6 with slightly different wording and reference to Section 171A of the Planning and Development Act, 2000, as amended</p>	<p>Part B, Section 1.3 of the EC Guidance provides recommendations on the environmental factors to be considered, including in particular, Section 1.3.1 which provides guidance on the scope of environmental factors covered by the Directive.</p> <p>Section 1.4 provides recommendations on</p>	<p>Section 3.3 of the Draft Guidelines provides recommendations on the scoping of the EIAR. Section 3.5 provides recommendations with regard to the description of the project. Section 3.7 includes recommendations on the impact assessment, including in particular, Section 3.7.3 which</p>	<p>The likely significant effects of the proposed development are considered under each of the specialist assessment chapters (Ch 6 to 16). Each specialist assessment chapter sets out the likely significant direct and indirect effects of the proposed development on the particular environmental aspect. These likely significant effects are considered in relation to:</p> <ul style="list-style-type: none"> <li>• Construction phase</li> <li>• Operation phase</li> <li>• Cumulative effects</li> </ul>

EIA Directive 14/52/EU	European Union (Planning and Development) (EIA) Regulations 2018	European Commission (2017) Guidance on Environmental Impact Assessment of Projects	EPA (2017) Draft Guidelines on the Information to be contained in Environmental Impact Assessment Reports (Draft August 2017)	Demonstration of how the EIAR complies with the legislative and best practice requirements
		<p>assessing effects on the environment.</p> <p>Annex I of the Guidance provides links with other EU Instruments.</p>	<p>addresses the descriptions of effects. Section 3.9 provides guidance on residual impacts and conclusions.</p>	<p>Each specialist chapter (Ch 6 - 16) provides information on the do-nothing scenario (i.e. outline of what is likely to happen in the environment should the proposed development not be implemented). Each chapter provides information on the likely residual effects of the proposed development (on the particular environmental factor), with the implementation of mitigation and monitoring measures.</p> <p>The overall cumulative and interactive effects of the proposed development are considered in Chapter 17 Cumulative, Interactive and Other Effects of the EIAR.</p>
<p>6. A description of the forecasting methods or evidence, used to identify and assess the significant effects on the environment, including details of difficulties (for example technical deficiencies or lack of knowledge) encountered compiling the required information and the main uncertainties involved.</p>	<p>Covered under 2(f) of Article 94, Schedule 6</p>	<p>Part B, Section 1.3 of the EC Guidance provides recommendations on the environmental factors to be considered, including in particular, Section 1.3.1 which provides guidance on the scope of environmental factors covered by the Directive.</p> <p>Section 1.4 provides recommendations on assessing effects on the environment.</p>	<p>Section 3.5 of the Draft Guidelines provides recommendations on the description of the project. Section 3.6 provides guidance on describing the baseline, while Section 3.7 provides recommendations with regard to the impact assessment, including in particular 3.7.2 on documenting the process and 3.7.5 on assessment methods.</p>	<p>Each of the specialist assessment chapters (Chapters 6- 16) includes a specific section on the assessment methodology used, including details of forecasting methods or evidence used to identify and assess the likely significant effects on the environment. Further detail, where relevant, is also provided in the appendices (Volume 4 of the EIAR), for example, Appendix 13.5 includes the flood risk assessment which was used to inform Chapter 13 Soils, Geology, Hydrogeology, Hydrology and Coastal Recession, for the effects of the proposed development on flooding risks.</p>
<p>7. 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 (for example the preparation of a post-project analysis). That description should explain the extent, to which significant adverse effects on the environment are avoided, prevented, reduced or off-set, and should cover both the construction and operational phases.</p>	<p>Covered under 2(g) of Article 94, Schedule 6 with slightly different wording</p>	<p>Part B, Section 1.6 of the EC Guidance provides recommendations with regard to mitigation and compensation measures.</p>	<p>Section 3.4 of the Draft Guidelines includes recommendations on the consideration of alternatives, including in particular, Section 3.4.7 alternative mitigation measures. Section 3.5 provides recommendation with regard to the description of the project. Section 3.8 provides guidance on mitigation and monitoring, while Section 3.9 provides recommendations with</p>	<p>A detailed description of the reasonable alternatives considered for the proposed development is provided in Chapter 3 of the EIAR, including reasons for proceeding with the chosen alternative, which includes mitigation by avoidance.</p> <p>Each of the specialist assessment chapters (Ch 6 – 16), as detailed above, includes a description of the main features of the proposed development with regard to the specialist environmental aspect, as well as a description of the measures, if any, set out to avoid, prevent or reduce, and if possible, offset likely significant adverse effects on the environment of the development. Each of the specialist assessment measures details the mitigation and monitoring measures, where appropriate, proposed to offset likely</p>

EIA Directive 14/52/EU	European Union (Planning and Development) (EIA) Regulations 2018	European Commission (2017) Guidance on Environmental Impact Assessment of Projects	EPA (2017) Draft Guidelines on the Information to be contained in Environmental Impact Assessment Reports (Draft August 2017)	Demonstration of how the EIAR complies with the legislative and best practice requirements
			regard to residual impacts and conclusions.	<p>significant adverse effects. Any residual impacts are also detailed within these chapters.</p> <p>Chapter 17 includes details of the cumulative and interactive effects of the proposed development, with Chapter 18 providing a summary of the mitigation, monitoring and residual effects of the proposed development.</p> <p>A Construction Environmental Management Plan (CEMP) is included in Appendix 5.1 of the EIAR, the purpose of which is to provide a mechanism by which environmental protection is to be achieved during the construction phase of the proposed development in order to ensure any disruption and nuisance is kept to a minimum. The CEMP identifies the minimum requirements with regard to the appropriate mitigation, monitoring, inspection and reporting mechanisms that need to be implemented during construction phase.</p>
<p>8. A description of the expected significant adverse effects of the project on the environment deriving from the vulnerability of the projects to risks of major accidents and/or disasters which are relevant to the project concerned. Relevant information available and obtained through risk assessments pursuant to Union legislation such as Directive 2012/18/EU of the European Parliament and of the Council (*) or Council Directive 2009/71/Euratom (***) or relevant assessments carried out pursuant to national legislation may be used for this purpose provided that the requirements of this Directive are met. Where appropriate, this description should include measures envisaged to prevent or mitigate the significant adverse effects of such events on the environment and details of the preparedness for and proposed response to such emergencies.</p>	<p>Covered under 2(h) of Article 94, Schedule 6 with slightly different wording</p>	<p>Part B, Section 1.3 of the EC Guidance provides recommendations on the environmental factors to be considered, including in particular, Section 1.3.3 on the impacts related to risks of major accidents and disasters. Section 1.4 provides guidance on assessing effects on the environment. Annex I of the Guidance provides links with other EU Instruments.</p>	<p>Section 3.3 of the Draft Guidelines provides guidance on the scoping of the assessments. Section 3.5 provides recommendations with regard to the description of the project. Section 3.7 includes recommendations on the impact assessment. Sections 3.8 and 3.9 provide guidance on mitigation and monitoring and residual impacts and conclusions.</p>	<p>Chapter 16 Major Accidents and Disasters, assess the likely significant effects from major accidents and disasters. This assessment considered:</p> <ul style="list-style-type: none"> <li>• The relevant major accidents and/or disasters (on-site and off-site), if any, that the proposed development could be vulnerable to;</li> <li>• The potential for these major accidents and/or disasters to result in likely significant adverse environmental effect(s); and</li> <li>• The measures that are in place, or need to be in place, to prevent or mitigate the likely significant adverse effects of such events on the environment.</li> </ul> <p>Site-specific risk assessment (RA) methodology was used when carrying out the RA and this methodology is described in detail in Appendix 6.1 Hazard Identification and Risk Assessment Report and it is consistent with the approach used by industrial facilities under the COMAH Regulations (SI No. 209 of 2015) which implements the Seveso III Directive (2012/18/EU), though this site is not a “Seveso” site.</p>

EIA Directive 14/52/EU	European Union (Planning and Development) (EIA) Regulations 2018	European Commission (2017) Guidance on Environmental Impact Assessment of Projects	EPA (2017) Draft Guidelines on the Information to be contained in Environmental Impact Assessment Reports (Draft August 2017)	Demonstration of how the EIAR complies with the legislative and best practice requirements
				A Construction Environmental Management Plan (CEMP) is included in Appendix 5.1 of the EIAR, the purpose of which is to provide a mechanism by which environmental protection is to be achieved during the construction phase of the proposed development in order to ensure any disruption and nuisance is kept to a minimum. The CEMP identifies the minimum requirements with regard to the appropriate mitigation, monitoring, inspection and reporting mechanisms that need to be implemented during construction phase.
9. A non-technical summary of the information provided under points 1 to 8.	Covered by Part 5, Section 63 – new Article 94 (c) using slightly different wording	Section 2 of the EC Guidance addresses the Quality of the EIA Report, including the format and presentation of the non-technical summary in Section 2.1.2. Box 41 under Section 2.1.2 includes the qualities of a good non-technical summary.	Section 4 of the Draft Guidelines sets out best practice in presenting information in an EIAR, with Section 4.6 dealing with the preparation of the non-technical summary.	A non-technical summary has been prepared which summarises the information referred to in points 1 to 8 of Article 5(1), in non-technical language. The non-technical summary is presented Volume 1 of the EIAR.
10. A reference list detailing the sources used for the descriptions and assessments included in the report.	Covered by Part 5, Section 63 – new Article 94 (d) using slightly different wording	Part B, Section 2 of the EC Guidance provides recommendations on the quality of the EIA Report, including in particular, Section 2.1.1 which provides guidance on the qualities of a good EIA Report.	Section 4 of the Draft Guidelines sets out best practice in presenting information in an EIAR with Section 4.3 making recommendations with regard to language, terms and editorial notes.	The last section of each chapter includes a reference list, detailing the sources used for the descriptions and assessments included in the relevant chapter. Footnotes are also used throughout, as appropriate. A Glossary and Abbreviations list is provided at the start of Volume II of the EIAR.
<b>Article 5 (3) In order to ensure the completeness and quality of the environmental impact assessment report:</b>				
(a) the developer shall ensure that the environmental impact assessment report is prepared by competent experts.	Part 5, Section 63 – new Article 94(e): A list of the experts who contributed to the preparation of the report, identifying for each expert –  (i) the part or parts of the report which he or she is responsible for	Section 2.2 of the EC guidance provides information on the competence of expertise and quality control, including in particular, Section 2.2.1 legal requirements and Section 2.2.2 experts used by Developer.	Section 2.5 of the Draft Guidelines addresses this.	Appendix 1.6 of Volume 4 of the EIAR provides details of the EIA Team Competencies. This includes a list of the experts who contributed to the preparation of the report and the part or parts of the report for which he/she is responsible, as well as details under the following headings:  <ul style="list-style-type: none"> <li>• Company affiliations</li> <li>• Years of experience</li> <li>• Professional qualifications</li> <li>• Professional affiliations</li> </ul>

	<b>EIA Directive 14/52/EU</b>	<b>European Union (Planning and Development) (EIA) Regulations 2018</b>	<b>European Commission (2017) Guidance on Environmental Impact Assessment of Projects</b>	<b>EPA (2017) Draft Guidelines on the Information to be contained in Environmental Impact Assessment Reports (Draft August 2017)</b>	<b>Demonstration of how the EIAR complies with the legislative and best practice requirements</b>
		<p>or to which he or she contributed,                      (ii) his or her competence and experience, including relevant qualifications, if any, in relation to such parts, and                      (iii) such additional information in relation to his or her expertise that the person or persons preparing the EIAR consider demonstrates the expert's competence in the preparation of the report and ensures its completeness and quality.</p>			