

## Development on the Foreshore In Ireland

### EIA General Screening Checklist

The items on this checklist are indicative. Developers and competent authorities should consider the particular circumstances of each application to ensure that all the characteristics of the development and its location are taken into account.

Refer also to the 3rd Schedule of the EIA regulations, 1999 "Criteria specified for the purposes of Article 27" and the relevant guidance (Significant Effect Checklist).

**Name of Proposed Development:** Cove Sailing Club – 74 Berth Marina

**Foreshore Reference where applicable:** MS51/8/1388

CHARACTERISTICS OF THE PROPOSED DEVELOPMENT (3 <sup>rd</sup> Schedule, Par.1)		Yes/no Briefly describe where relevant.
<b>- Size of the development</b>		If Yes, refer to 'Significant Effect Checklist' to establish whether the impact is significant. It may be useful to differentiate between the construction period and the operational period.
1	Will the development be out of scale with the existing environment?	No. The development is small in scale with a total foreshore footprint of 2.6278 hectares.
2	Will it lead to further consequential development or works (e.g. new roads, extraction of aggregate, provision of new water supply, generation or transmission of power, increased housing and sewage disposal)?	No. Significant new infrastructure development on the foreshore is not required. A foul water pumping and treatment system, to be situated on land, is proposed with treated effluent discharged to the existing sewer network.
<b>- Cumulation with other development</b>		
3	Are there potential cumulative impacts with other existing development or development not yet begun but for which development permission exists?	None identified
4	Should the application for this development be regarded as an integral part of a more substantial project? If so, can related developments which are subject to separate applications proceed independently?	No. This is a standalone development.

- Use of natural resources		
5	<p>Will construction or operation of the development use significant supplies of natural resources such as land, water, materials or energy, especially any resources which are non-renewable or in short supply?</p> <ol style="list-style-type: none"> <li>1) Foreshore</li> <li>2) Land (especially undeveloped or agricultural land)?</li> <li>3) Water?</li> <li>4) Minerals?</li> <li>5) Aggregates?</li> <li>6) Forests and timber?</li> <li>7) Energy including electricity and fuels?</li> <li>8) Any other resources?</li> </ol>	<ol style="list-style-type: none"> <li>1) No. The development will occupy some 2.6278 hectares of foreshore which is not considered significant.</li> <li>2) No</li> <li>3) No</li> <li>4) No</li> <li>5) No</li> <li>6) No</li> <li>7) No</li> <li>8) No</li> </ol>
- Production of waste		
6	<p>Will the development produce wastes during construction or operation or decommissioning beyond what might be reasonably expected?</p> <ol style="list-style-type: none"> <li>1) Spoil, overburden or mine wastes?</li> <li>2) Municipal waste (household and/or commercial)?</li> <li>3) Hazardous or toxic wastes (including radioactive)?</li> <li>4) Other industrial process wastes?</li> <li>5) Surplus product?</li> <li>6) Sewage sludge or other sludges from effluent treatment?</li> <li>7) Construction or demolition wastes?</li> <li>8) Redundant machinery or equipment?</li> <li>9) Contaminated soils or other material?</li> <li>10) Agricultural wastes?</li> <li>11) Any other solid wastes?</li> <li>12) Liquid or solid wastes in suspension?</li> </ol>	<p>No. Significant quantities of waste will not be produced during the installation, operational or decommissioning phases of the development. No hazardous or toxic waste will be produced. Foul waste will be produced by marina users but the volumes will not be significant (maximum of 3,690 litres day) and will be discharged to the exiting sewer network after treatment. No direct discharges of waste to the foreshore will occur.</p>

**- Pollution and nuisances**

7	<p>Will the development release pollutants or any hazardous, toxic or noxious substances to air or water? Emissions from:-</p> <ol style="list-style-type: none"> <li>1) Combustion of fossil fuels from stationary or mobile sources?</li> <li>2) Production processes?</li> <li>3) Materials handling including storage or transport?</li> <li>4) Construction activities including plant &amp; equipment?</li> <li>5) Dust or odours from handling of materials including construction materials, sewage &amp; waste?</li> <li>6) Incineration of waste?</li> <li>7) Burning of waste in open air (e.g. slash material, construction debris)?</li> <li>8) Any other sources</li> </ol>	<p>During the installation phase of the development there will be emissions to air as a result of the combustion of fossil fuels from plant and machinery but the volumes involved will not be significant considered. There will be no direct release of release of toxic, hazardous or noxious substance to water.</p> <p>During the operational phase the will be no release of toxic, hazardous or noxious substances to air or to water.</p>
8	<p>Is there a potential risk from:-</p> <ol style="list-style-type: none"> <li>1) Leachates?</li> <li>2) Escape of wastes or other products/by-products that may constitute a contaminant in the environment?</li> </ol>	<p>There is no potential risk from leachates. There is a minor risk of an accidental spillage of fuel occurring during the installation / operational phases but the likely impact of any such spillage would not be significant given the quantities involved.</p>
9	<p>Will the development cause noise and vibration or release of light, heat energy or electromagnetic radiation from the following sources?</p> <ol style="list-style-type: none"> <li>1) Operation of equipment e.g. engines, ventilation plant, crushers?</li> <li>2) Industrial or similar processes?</li> <li>3) Blasting or piling or crushing or dredging?</li> <li>4) Construction or operational traffic?</li> <li>5) Lighting or cooling systems?</li> <li>6) Sources of electromagnetic radiation (effects on nearby sensitive equipment as well as people)?</li> <li>7) Any other sources?</li> </ol>	<p>There will be noise associated with the installation phase but this will be limited in intensity and duration and will not be significant. There will be no blasting or piling and there will be no sources of electromagnetic radiation.</p>

**- The risk of accidents, having regard in particular to substances and, or technologies used.**

10	<p>Will there be a high risk of accidents during construction or operation of the development, from the following causes which could have effects on people or the environment?</p> <ol style="list-style-type: none"> <li>1) Explosions, spillages, fires etc from storage, handling, use or production of hazardous or toxic substances?</li> <li>2) Events beyond the limits of normal environmental protection e.g. failure of pollution control systems?</li> <li>3) Any other causes?</li> <li>4) Natural disasters causing environmental damage (e.g. floods, earthquakes, landslip, etc)?</li> </ol>	<p>There is no significant risk to the environment or people as a result of accidental explosions, spillage of hazardous or toxic material, or fires. There is a minor risk of failure of pollution control systems but the impact would be localised and non-significant.</p>
11	<p>Will the development involve use, storage, transport, handling or production of substances or materials which could be harmful to people or the environment (flora, fauna, water supplies)?</p> <p>Consider:</p> <ol style="list-style-type: none"> <li>1) Use of hazardous or toxic substances.</li> <li>2) Potential changes in occurrence of disease or effect on disease carriers (e.g. insect or water borne diseases).</li> <li>3) Effect on welfare of people (e.g. change of living conditions).</li> <li>4) Effects on vulnerable groups (e.g. the elderly).</li> </ol>	<p>The development does not involve the use, storage, transport, handling or production of hazardous or toxic substances and will not result in changes in occurrence of diseases or effects on disease carriers. The welfare of people will not be impacts and there will be no effects on vulnerable groups.</p>

**- Other characteristics:**

12	<p><b>Potential physical changes (topography, land use, changes in waterbodies etc) from construction, operation or decommissioning of the development</b></p> <ol style="list-style-type: none"> <li>1) Permanent or temporary change in land use, landcover or topography including increases in intensity of land use?</li> <li>2) Clearance of existing land, vegetation &amp; buildings?</li> <li>3) Peat land disturbance and/ or degradation leading to; carbon release, damage to habitats, affecting land stability or hydrology?</li> <li>4) Creation of new land uses?</li> <li>5) Pre-construction investigations e.g. boreholes, soil testing?</li> <li>6) Construction or demolition works?</li> <li>7) Temporary sites or housing for construction workers?</li> <li>8) Above ground buildings, structures or earthworks including linear structures, cut &amp; fill or excavations?</li> <li>9) Underground works including mining or tunnelling?</li> <li>10) Reclamation works?</li> <li>11) Dredging?</li> <li>12) Coastal structures (seawalls, piers)?</li> <li>13) Offshore structures?</li> <li>14) Production and manufacturing processes?</li> <li>15) Facilities for storage of goods or materials?</li> <li>16) Facilities for treatment or disposal of solid wastes or liquid effluents?</li> <li>17) Facilities for long term housing of operational workers?</li> <li>18) New road, rail or sea traffic during construction or operation?</li> <li>19) New road, rail, air, waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc?</li> <li>20) Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?</li> <li>21) New or diverted transmission lines or pipelines?</li> <li>22) Impounding, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?</li> <li>23) Stream crossings</li> <li>24) Abstraction or transfers of water from ground or surface waters?</li> <li>25) Changes in waterbodies or the land surface affecting drainage or run-off?</li> <li>26) Transport of personnel or materials for construction, operation or decommissioning?</li> <li>27) Long term dismantling or decommissioning or restoration works?</li> <li>28) Ongoing activity during decommissioning which could have an impact on the environment?</li> <li>29) Influx of people to an area either temporarily or permanently?</li> <li>30) Introduction of alien species?</li> <li>31) Loss of native species or genetic diversity?</li> <li>32) Any other changes?</li> </ol>	<p>There will be no significant alterations to the physical environment in the area as a result of the proposed development. There is likely to be a minor and non-significant impact on the local hydrodynamics as a result of the installation of the floating breakwater</p>
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## LOCATION OF THE PROPOSED DEVELOPMENT (3<sup>rd</sup> Schedule, Par. 2)

### - Existing foreshore / land use.

13	Are there existing foreshore or land uses on or around the location which could be affected by the development, e.g. homes, gardens, other private property, industry, commerce, recreation, public open space, community facilities, agriculture, forestry, tourism, water catchments, functional floodplains, mining or quarrying?	No.
14	Are there any areas, on or around the location, which are occupied by sensitive land uses e.g. hospitals, schools, places of worship, community facilities, which could be affected?	No
15	Is the development located in a previously undeveloped area where there will be loss of greenfield land?	No

### - Relative abundance, quality and regenerative capacity of natural resources in the area

16	<p>Are there any areas on or around the location which contain important, high quality or scarce resources which could be affected by the development?</p> <p>1) groundwater resources 2) surface waters 3) forestry 4) agriculture 5) fisheries 6) tourism 7) minerals</p>	<p>1) No 2) No 3) No 4) No 5) No 6) Yes. Cork harbour has significant marine tourism and leisure potential and this development would provide important tourism and leisure infrastructure which would benefit this sector. 7) No</p>
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### - Absorption capacity of the natural and built environment

17	Are there any areas or features e.g. marine mammals on or around the location which are protected under international or national or local legislation for their ecological, landscape, cultural or other value, which could be affected by the development?	No. The location of the development is not within a designated Natura 2000 site. It is located some 1.6Km west of the closest boundary of the Cork Harbour SPA, in Monkstown Creek. It is some 2.5Km north of Lough Beg, 4Km northeast of Whitegate Bay and 7Km east of Rostellan Bay. The
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		Great Island Channel SAC (Site Code 001058) is located some 4Km to the north of the proposed development site.
18	<p>Are there any other areas on or around the location which are important or sensitive for reasons of their ecology and archaeology?</p> <p>1) wetlands, watercourses or other waterbodies 2) the coastal zone 3) mountains, forests or woodlands 4) nature reserves and parks</p>	<p>1) No 2) No 3) No 4) No</p>
19	<p>Are there any areas on or around the location which are used by protected, important or sensitive species of fauna or flora e.g. for breeding, nesting, foraging, resting, overwintering, migration, which could be affected?</p>	<p>Yes. Special Conservation Interests for of the Cork Harbour SPA includes wintering :Little Grebe, Great Crested Grebe, Cormorant, Grey Heron, Shelduck, Wigeon, Teal, Pintail, Shoveler, Red-breasted Merganser, Oystercatcher, Golden Plover, Grey Plover, Lapwing, Dunlin, Blacktailed Godwit, Bar-tailed Godwit, Curlew, Redshank, Black-headed Gull, Common Gull, Lesser Black-backed Gull and Common Tern as well as wetlands and waterbirds.</p> <p>The site of the proposed development is not within the SPA but is located 1.6Km west of the closest boundary of the Cork Harbour SPA, in Monkstown Creek. It is some 2.5Km north of Lough Beg, 4Km northeast of Whitegate Bay and 7Km east of Rostellan Bay</p> <p>The impact of the noise and other emissions from the works site will be localised. As the site of the proposed works is located a minimum of 1.6 Km from the nearest boundary of the SPA it is considered that there will not be any direct or indirect effects on the Natura site.</p>

		<p>The works will not result in a habitat loss, there will not be significant disturbance to key species and there will be no habitat or species fragmentation or significant disturbance to bird species that use these sites.</p> <p>There will be no direct discharge of pollutants into the environment during the works and water quality will not be affected as a result of the operation of the marina. Foul water generated as a result of the operation of the marina will be treated with an on-site package treatment plant before being discharging to the existing public foul water drainage system.</p>
20	Are there any inland, coastal, marine or underground waters on or around the location which could be adversely affected?	No
21	Are there any groundwater source protection zones or areas that contribute to the recharge of groundwater resources?	No
22	Are there any areas or features of high landscape or scenic value on or around the location which could be affected?	No
23	Are there any routes or facilities on or around the location which are used by the public for access to recreation or other facilities, which could be affected?	No
24	Are there any transport routes on or around the location which are susceptible to congestion or which cause environmental problems, which could be affected?	No. Existing shipping routes within Cork Harbour will be affected.
25	Is the development in a location where it is likely to have a high visual impact?	No
26	Are there any areas or features of historic or cultural importance or potential importance on or around the	No



	location which could be affected?	
27	Are there any areas on or around the location which are already subject to pollution or environmental damage e.g. where existing legal environmental standards are exceeded, which could be affected?	No
28	Is the location of the development susceptible to earthquakes, subsidence, landslides, erosion, flooding or extreme or adverse climatic conditions e.g. temperature inversions, fogs, severe winds, which could cause the development to present environmental problems?	No
29.	Will the proposed development result in social changes, for example in demography, traditional lifestyles etc?	No
30.	Are there any areas on or around the location which are densely populated or built-up, which could be affected by the project?	No
31.	Are there any plans for future land uses on or around the location which could be affected by the project?	No

