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| <b>EIA SCREENING ASSESSMENT T6/499</b>  |   |
| <b>1. Applicant Details</b>             |   |
| Name                                    | Michael O'Shea T/A Lucey and Sons   |
| Address                                 | Cliff Road, Waterville, Co. Kerry   |
| <b>2. Characteristics of Project</b>    |   |
| a) Species cultivation proposed         | Hatchery production of Sea Urchin ( <i>Paracentrotus Lividus</i> ) Scallop ( <i>Pecten Maximus</i> ) Flat Oysters ( <i>Ostrea Edulis</i> ), |
| b) Method                               | Comical and flat circular plastic tanks, Concrete tanks.  |
| c) Source of stock                      | Locally sourced Brood Stock   |
| d) Annual Production Estimates - Tonnes | 100,000 Juveniles at various gradings at peak production.   |
| <b>3. Location of Project</b>           |   |
| a) File No.                             | T06/499   |
| b) No. of sites                         | 1   |
| c) Location                             | Cliff Road, Murreagh, Waterville, Co. Kerry.  |
| d) Hectares                             | 0.05 hectares   |
| e) Natura 2000 site                     | N/A   |

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| <b>T6/499</b>   |   |   |
| <b>EIA SCREENING CHECKLIST</b>  |   |   |
| <b>Is it an ANNEX II project?</b>   |   |   |
| <b>Is the project located on or adjacent to a Natura 2000 area?</b>   | Yes. The site is located c100m from Ballinskellings Bay and Inny Estuary SAC (Site code 000335) c2.3Km for the nearest boundary of the Killarney National Park, Macgillicuddy's Reeks and Caragh River Catchment SAC (Site Code 000365) and c5.4Km from the nearest boundary of Iveragh Peninsula SPA. (Site Code 004154) |   |
| <b>If yes, has the appropriate assessment been carried out?</b>   | Yes   | <b>There will be no significant effects</b> on the qualifying feature / interests of the Natura 2000 sites. |
| <b>1. CHARACTERISTICS OF THE PROJECT - ANNEX III (1)</b>  | <b>Yes/No - Briefly describe</b>  | <b>Is this likely to result in a significant effect? Yes/No? - Why</b>                                      |
| <b>(a) Size of project</b>  |   |   |
| Will the project be out of scale with the existing environment?   | No. The development is small in scale.  | No.   |
| Will it lead to further consequential development or works (e.g. new roads, landing facilities, provision of new water supply)? | No. Existing infrastructure will be used and no additional infrastructure developments are needed. The site is fully serviced and accessible. Planning Permission was granted by Kerry County Council on 10 January 2018, planning reference  | No.   |

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|   | number 17/1044.   |  |
| <b>(b) Cumulation with other development</b>  |   |  |
| Are there potential cumulative impacts with existing aquaculture projects or with other licensed aquaculture projects but which have not yet begun?   | No  |  |
| Should the application for this project be regarded as an integral part of a more substantial project? If so, can related projects which are subject to separate applications proceed independently?  | No  |  |
| <b>T6/499</b>   |   |  |
| <b>1. CHARACTERISTICS OF THE PROJECT - ANNEX III (1) cont'd</b>   | <b>Yes/No - Briefly describe</b>  | <b>Is this likely to result in a significant effect? Yes/No? - Why</b> |
| <b>(c) Use of natural resources</b>   |   |  |
| <p>Will installation or operation of the project use natural resources such as land, water, materials or energy, especially any resources which are non-renewable or in short supply?</p> <ul style="list-style-type: none"> <li>land (especially undeveloped or agricultural land)?</li> <li>water?</li> </ul> | <p>Yes. The proposed cultivation of Sea Urchins, scallops and flat oysters using Conical and flat circular plastic tanks, and Concrete tanks involving the use of seawater supplied by tanker and using electricity and fuel for pumps, waste water treatment plant, etc.</p> | No.  |

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| <ul style="list-style-type: none"> <li>energy including electricity and fuels?</li> <li>any other resources?</li> </ul>   |  |  |
| <b>(d) Production of waste</b>  |  |  |
| <p>Will the project produce wastes during installation or operation or decommissioning?</p> <ul style="list-style-type: none"> <li>municipal waste (household and/or commercial)?</li> <li>surplus product?</li> <li>construction or demolition wastes?</li> <li>redundant machinery or equipment?</li> <li>any other solid wastes?</li> <li>liquid or solid wastes in suspension?</li> </ul> | Yes  | No. Provided that the waste is in accordance with the standards set down in the Effluent Discharge Licence Ref. No. W/199 from Kerry County Council dated 28 <sup>th</sup> March 2018. |
| <b>(e) Pollution and nuisances</b>  |  |  |
| <p>Will the project release pollutants or any hazardous, toxic, or noxious substances to air?</p> <p>Emissions from:</p> <ul style="list-style-type: none"> <li>combustion of fossil fuels from stationary or mobile sources?</li> <li>Construction activities including plant &amp; equipment?</li> <li>any other sources.</li> </ul>  | Yes. There will be emissions associated with production of the Sea Urchins, Scallops and Flat Oysters, through the use of electricity and fuels for on-site plant and machinery. | No. Given the scale of the operation the emissions levels will not be significant.   |
| <b>T6/499</b>   |  |  |
| <p><b>2. CHARACTERISTICS OF THE PROJECT - ANNEX III (1) cont'd</b></p> <p><b>3.</b></p>   | Yes/No - Briefly describe  | Is this likely to result in a significant effect? Yes/No? - Why  |

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| <b>(e) Pollution and nuisances contd.</b>   |  |  |
| <p>Will the project cause noise and vibration or release of light?</p> <ul style="list-style-type: none"> <li>• from operation of equipment e.g. engines?</li> <li>• from blasting or piling?</li> <li>• from construction or operational traffic?</li> <li>• from lighting or other systems?</li> <li>• from any other sources?</li> </ul>   | <p>Yes. There will be noise associated with production of the shellfish from the operation of equipment and operational traffic.</p> | <p>No. Given the location and scale of the operation the noise levels will not be significant.</p>   |
| <b>(f) Risk of accidents, having regard in particular to substances or technologies used</b>  |  |  |
| <p>Will there be any risk of accidents during installation or operation of the project which could affect human health or the environment?</p>  | <p>Yes. There will be minor risk of physical injury while working on site but no risk to human health.</p>                           | <p>No. There is minor risk to the environment from on site accidents.</p>  |
| <p>Will the project lead to risks of contamination of land or water from releases of pollutants onto the ground or into surface waters, groundwater, coastal waters or the sea?</p>   | <p>Yes</p>   | <p>No. Provided that the waste is in accordance with the standards set down in the Effluent Discharge Licence Ref. No. W/199 from Kerry County Council dated 28<sup>th</sup> March 2018.</p> |
| <p>Will the project 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> <ul style="list-style-type: none"> <li>• use of hazardous or toxic substances?</li> <li>• potential changes in occurrence of disease or effect on disease carriers (e.g. insect or water borne diseases)?</li> </ul> | <p>No</p>  |  |

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| <b>T6/499</b>   |   |  |
| <b>1. CHARACTERISTICS OF THE PROJECT -<br/>ANNEX III (1) cont'd</b>   | <b>Yes/No - Briefly describe</b>  | <b>Is this likely to result in a significant effect?<br/>Yes/No? - Why</b> |
| <p><b>(g) Will installation, operation or decommissioning of the project involve actions which will cause physical changes in the locality (topography, land use, changes in waterbodies, etc)?</b></p> <hr/> <ul style="list-style-type: none"> <li>• dredging?</li> <li>• coastal structures (seawalls, piers)?</li> <li>• offshore structures?</li> <li>• facilities for storage of goods or materials?</li> <li>• facilities for treatment or disposal of solid wastes or liquid effluents?</li> <li>• new road, rail or sea traffic during construction or operation?</li> <li>• new road, rail, air, waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc?</li> <li>• closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?</li> </ul> | <p>No. Existing infrastructure will be used and no additional infrastructure developments are needed.</p> | <p>No.</p>   |

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| <ul style="list-style-type: none"> <li>• new or diverted transmission lines or pipelines?</li> <li>• transport of personnel or materials for construction, operation or decommissioning?</li> <li>• decommissioning or restoration works?</li> <li>• introduction of alien species?</li> <li>• loss of native species or genetic diversity?</li> <li>any other changes?</li> </ul> |   |  |
| <b>(h) Inherent social changes</b>   |   |  |
| Will the project result in social changes, for example, in demography, traditional lifestyles, employment?   | Yes. The project is expected to provide 1 full time job by Year 4 and 1 part time job from the start. | No. The impact will be locally beneficially but not significant.       |
| <b>2. LOCATION OF THE PROJECT - ANNEX III (2)</b>  | <b>Yes/No - Briefly describe</b>  | <b>Is this likely to result in a significant effect? Yes/No? - Why</b> |
| <b>(a) Existing land use</b>   |   |  |
| Are there existing land uses on or around the location which could be affected by the project, 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. Existing land use will not be affected.   |  |
| 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  |  |
| Is the project located in a previously undeveloped area?   | <b>No</b>   |  |
| <b>(b) Relative abundance, quality and regenerative capacity of natural resources in the area</b>  |   |  |

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| <p>Are there any areas on or around the location which contain important, high quality or scarce resources which could be affected by the project?</p> <ul style="list-style-type: none"> <li>• groundwater resources</li> <li>• surface waters</li> <li>• fisheries</li> <li>• tourism</li> </ul>  | No  |  |
| <b>(c) Absorption capacity of the natural environment</b>   |   |  |
| <p>Are there any areas 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 project?</p>   | No  |  |
| <b>T6/499</b>   |   |  |
| <b>2. LOCATION OF THE PROJECT - ANNEX III (2) cont'd.</b>   | <b>Yes/No - Briefly describe</b>  |  |
| <b>(c) Absorption capacity of the natural environment cont'd</b>  |   |  |
| <p>Are there any other areas on or around the location which are important or sensitive for reasons of their ecology?</p> <ul style="list-style-type: none"> <li>• wetlands, watercourses or other waterbodies?</li> <li>• the coastal zone?</li> <li>• mountains, forests or woodlands?</li> </ul> | <p><b>Yes. The site is located c100m from Ballinskellings Bay and Inny Estuary SAC (Site code 000335) c2.3Km for the nearest boundary of the Killarney National Park, Macgillicuddy's Reeks and Caragh River Catchment SAC (Site Code 000365) and c5.4Km from the nearest</b></p> | <p>Considering the location, nature and scale of the proposed aquaculture activity significant effects on the qualifying feature / interests' of the adjacent Natura 2000 sites are not considered likely.</p> |



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| <ul style="list-style-type: none"> <li>nature reserves and parks?</li> </ul>   | <b>boundary of Iveragh Peninsula SPA. (Site Code 004154)</b>  |  |
| <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><b>Yes. The site is located c100m from Ballinskellings Bay and Inny Estuary SAC (Site code 000335) c2.3Km for the nearest boundary of the Killarney National Park, Macgillicuddy's Reeks and Caragh River Catchment SAC (Site Code 000365) and c5.4Km from the nearest boundary of Iveragh Peninsula SPA. (Site Code 004154)</b></p> | <p>Considering the location, nature and scale of the proposed aquaculture activity significant effects on the qualifying feature / interests' of the adjacent Natura 2000 sites are not considered likely.</p> |
| <p>Are there any inland, coastal, marine or underground waters on or around the location which could be affected?</p>  | <p>No</p>   |  |
| <p>Are there any groundwater source protection zones or areas that contribute to the recharge of groundwater resources?</p>  | <p>No</p>   |  |
| <p>Are there any areas or features of high landscape or scenic value on or around the location which could be affected?</p>  | <p>No.</p>  |  |
| <p>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</p>  | <p>No</p>   |  |

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| affected?   |  |  |
| <b>T6/499</b>   |  |  |
| <b>2. LOCATION OF THE PROJECT - ANNEX III (2) cont'd</b>  | <b>Yes/No - Briefly describe</b>   | <b>Is this likely to result in a significant effect? Yes/No? - Why</b> |
| <b>(c) Absorption capacity of the natural environment cont'd</b>  |  |  |
| 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. Given the scale of production the amount of traffic generated will not be significant. |  |
| Is the project in a location where it is likely to be highly visible to many people?  | No. Population density in the area is low.   |  |
| Are there any areas or features of historic, cultural or archaeological importance on or around the location which could be affected?   | No   |  |
| 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   |  |

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| Is the area densely populated?  | No. Population density in the area is low. |                                   |
| Is the location of the project susceptible to earthquakes, subsidence, landslides, erosion, flooding or extreme or adverse climatic conditions e.g. temperature inversions, fogs, severe winds, which could cause the project to present environmental problems?  | No   |                                   |
| <p>On the basis of the above the consensus of the screening group is that that the proposed aquaculture is not likely to have significant effects on the environment and that an Environmental Impact Assessment Report is not required for this project</p>      |  |                                   |
| <p><b>EIA SCREENING GROUP COMPRISES OF MEMBERS FROM:</b><br/> <b>THE MARINE INSTITUTE</b><br/> <b>BORD IASCAIGH MHARA</b><br/> <b>THE DEPARTMENT'S MARINE ENGINEERING DIVISION</b><br/> <b>THE DEPARTMENT'S AQUACULTURE AND FORESHORE MANAGEMENT DIVISION</b></p> |  | <p><b>Dated 4/3/2020 (TP)</b></p> |