

Attachment-7-1-3-2

Emissions Impact Assessment

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Emissions Impact Assessment

A detailed Environmental Impact Assessment Report (EIAR) has been submitted in support of this Waste Licence Application for the proposed Soil Recovery Facility (SRF) at a quarry in Knockanemore Townland, Ovens, Co. Cork, known as Garryhesta Quarry. The proposed development consists of restoration of part (c. 6.7 ha) of existing quarry (QR19 06/11798 & PL04.225332) by importation of up to 300,000 tonnes per annum of inert soil and stones and river dredging spoil (EWC 17-05-04 and 17-05-06). A copy of the EIAR is included with the Waste Licence Application as Attachment 6.3.9.

This EIAR seeks to provide an objective analysis of the possible environmental effects resulting from the opening of the proposed soil recovery facility at Garryhesta. These effects are assessed against a comprehensive checklist of relevant environmental criteria. The EIAR then systematically evaluates the positive and negative impacts of the project on both natural and human environments.

The EIAR has been prepared in accordance with 'Draft Guidelines on the information to be contained in Environmental Impact Assessment Reports' published by the Environment Protection Agency. The draft version of these guidelines was published in 2017. The EIAR also takes into account 'Draft Advice Notes for preparing Environmental Impact Statements' published in 2015. While the draft versions of the guidance documents were intended for consultation purposes only, these guidance documents do incorporate the expected provisions of the new law and are thus being used as an interim measure until the new EIA Directive (2014/52/EU) is transposed into Irish Law. Practitioners are expected to adhere to the guidance while preparing EIARs, for applications made on or after May 16th 2017. In addition, the policies contained within the Cork County Development Plan (2015-2022) have been considered.

The Report is sub-divided into four main sections:

Section 1 sets out general introductory comments concerning the project and a brief explanation of the aims and format of the EIAR. It also identifies the various consultees and professional consultants who have contributed to this EIAR and any difficulties encountered in preparation of the EIAR.

Section 2 describes reasonable alternative project locations, layouts, designs and processes that were considered with regards to their environmental effects.

Section 3 describes the details and nature of the proposed development and introduces some of the potential environmental effects that may result. It also provides details of any proposed or anticipated growth of the development and possible associated projects.

Section 4 provides detailed information on all aspects of the existing environment, identifies potential impacts on the environment by the proposed development, and recommends mitigation measures to avoid, reduce or remedy these impacts.

The following table provides details with respect to impact assessment of the emissions/ discharges on the receiving environment. Where appropriate, mitigation measures for minimising pollution on the environment within the EIAR are also referenced.

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Table 1 Emissions Impact Assessment

EIAR Section		Assessment of Impact on Receiving Environment	Mitigation Measures for Minimising Pollution	Statements
4.4	Surface Water	Refer to EIAR Section 4.4 and in particular; <ul style="list-style-type: none"> Section 4.4.3 – Baseline Description of Receiving Environment. Section 4.4.4 - Risk Assessment Section 4.4.5 - Assessment of Impacts Section 4.4.7 - Residual impacts Section 4.4.8 - Monitoring 	Refer to EIAR Section 4.4.6.1.2 Mitigation & Monitoring – Surface Water	There will be no discharge to surface water from the proposed activity and as such no emissions of main polluting substances (as defined in the Schedule of EPA (Licensing)(Amendment) Regulations 2004, S.I. No. 394 of 2004) to water which are likely to impair the environment. It is proposed that surface water monitoring will be carried out Biannually for a number of physical and chemical parameters in order to assess water quality and detect possible contamination relative to European Communities Environmental Objectives (Surface Waters) Regulations 2009 (S.I. No. 272 of 2009). Refer to EIAR Table 4.4.4 for details of relevant parameters to be monitored.
	Ground – (Groundwater)		Refer to EIAR Section 4.4.6.1.1 Mitigation & Monitoring – Groundwater	Groundwater samples will be tested for a number of physical and chemical parameters in order to assess water quality and detect possible contamination relative to European Communities Environmental Objectives (Groundwater) Regulations 2010 (S.I. No. 9 of 2010) and European Union (Drinking Water) Regulations 2014 (SI 122 of 2014). Summary details of the groundwater parameters and trigger levels to be monitored in accordance with the above regulations are detailed in Attachment 9.1 - Environmental Management Techniques.
4.6	Air	Refer to EIAR Section 4.6 and in particular; <ul style="list-style-type: none"> Section 4.6.4 – Baseline Description of Receiving Environment. Section 4.6.5 - Assessment of Impacts Section 4.6.6 – Mitigation & Monitoring 	Refer to EIAR Section 4.6.6 Mitigation & Monitoring	The only Air emissions from the site relate to fugitive dust emissions. There are no Industrial emissions of main polluting substances (as defined in the Schedule of EPA (Industrial Emissions)(Licensing) Regulations 2013, S.I. No. 137 of 2013) to the atmosphere are likely to impair the environment.
4.7	Noise	Refer to EIAR Section 4.7 and in particular; <ul style="list-style-type: none"> Section 4.7.3 – Baseline Description of Receiving Environment. Section 4.7.4 - Assessment of Impacts Section 4.7.5 – Mitigation & Monitoring 	Refer to EIAR Section 4.7.5 Mitigation & Monitoring	The Agency's Guidance Note for Noise: Licence Applications, Surveys and Assessments in Relation to Scheduled Activities (NG4, January 2016) has been consulted in preparation of noise impact assessment. Refer to EIAR Section 4.7.2.4 and Section 6.5 of Attachment 4.7 BAT Assessment. A programme of noise control and mitigation measures are provided in EIAR Section 4.7.5. A Noise Management Programme (NMP) will be included as part of the ISO 14001 EMS for the site. This NMP will be subject to annual review and updated as necessary.