EPA Application Form

4. Activity and Capacity

4.3.1 - Storage of Waste and Other Materials - Attachment

Organisation Name: *	Kilsaran Concrete Unlimited Company
Application I.D.: *	LA009988

* indicates required field

Amendments to this Application Form Attachment

Version No.	Date	Amendment since previous version	Reason
V.1.0	July 2017	N/A	Online application form attachment
V.1.0	March 2018	Identification of required fields	Assist correct completion of attachment

Storage of Waste and Other Materials

State the maximum amount of waste and other materials that will be stored on the site at any one time in the table below[1].

Waste / Other Material	**Amount (tonnes) ***
Waste accepted and in storage pending treatment	
Source-Segregated C&D Waste (at C&D recycling yard)	25,000
Inert Soil and Stone (pending disposal / recovery at inert landfill area)	100,000
Claybound C&D waste (pending recovery at soil washing plant)	100,000
Inert Soil and Stone (Topsoil for capping at inert landfill area)	25,000
Other materials (non-waste) accepted, including non-waste feedstocks:	
Acceptable non-waste soil materials (imported under Article 27) stockpiled on site pending use for basal / side liner construction or non-waste materials for washing / aggregate production (including natural granular deposits or marine aggregates)	100,000
Capacity of treatment vessels and chambers:	
C&D Waste Recovery Facility (held within shed structure)	4,000
Aggregate Washing Plant (held within treatment tanks)	2,000
Treated waste, whether classified as waste or not:	
Processed (crushed) C&D Waste (Recycled Aggregate) – awaiting off-site dispatch	25,000
Processed (washed) C&D Waste (Recycled Aggregate) – awaiting off-site dispatch	100,000

[1] This should include waste and other materials in: (1) reception, inspection and quarantine areas; (2) storage pending treatment; (3) storage after treatment; and (4) vessels, chambers or tanks during treatment or processing.

List any other feedstocks to the treatment process not classified as waste. State '*none*' if none.*

Flocculants are required for the aggregate washing process.
No other inputs required for inert landfill and C&D waste recycling activities
Chemical dosing agents for groundwater treatment (arsenic removal / reduction)
Chemical dosing for leachate treatment

Waste and material outputs from waste activities (i.e., those subject to Waste licensing or class 11 of the First Schedule of the EPA Act)

Describe the waste and material outputs from the installation resulting from the treatment of waste. If no treatment is carried out on the waste, the waste outputs will be the same as the inputs.

If waste is treated, describe the nature and quantity of the treated waste and its onward fate/destination, and in particular whether it is sent for onward recovery or disposal operations.

If waste is treated and a material is produced that is no longer a waste, provide the rationale for such classification. The requirements of Article 28 of the European Communities (Waste Directive) Regulations 2011 should be addressed in any such rationale. Include the response in this attachment.

It is expected that the majority of the inert clayey soil and stone waste (and other clayey particulate soil / sludge-like wastes) imported to the proposed waste facility at Ballinclare Quarry will be disposed of at the inert landfill, at a maximum rate of up to 750,000 tonnes per annum.

With robust waste acceptance procedures in place, it is anticipated that all such wastes will be acceptable for immediate disposal, with minimum requirement for further treatment (or for any on-site storage pending further treatment). Notwithstanding this however, some imported soil / stone waste materials may on occasion be stored or stockpiled on site for operational or logistical reasons pending future disposal or recovery (in constructing engineering liners and/or use in restoration works at finished ground level).

A proportion of more granular (ie. more sandy / gravelly) soil / claybound C&D intake to the waste facility will be diverted from immediate disposal at the inert landfill facility and submitted for recovery at the soil washing plant to be set-up in the south-eastern corner of the application site (at the former concrete / asphalt yard). With a maximum throughput capacity of up to 500,000 tonnes/annum and an estimated recovery rate of 60%, up to 300,000 tonnes/annum of this mixed waste could be recovered as recycled aggregate for re-use in the construction industry (subject to End of Waste criteria), with the remainder (up to 200,000 tonnes / annum) disposed of at the adjoining inert landfill facility as a filter cake or dewatered / dried-out sludge.

Provision is made for cumulative on-site storage of up to 200,000 tonnes of imported soil and stone waste pending future disposal or recovery (in constructing landfill liners, restoration or soil washing to produce construction-grade aggregate).

Recovery of source segregated C&D waste will be carried out on at the dedicated C&D waste recovery facility at a maximum rate of up to 100,000 tonnes per annum. It is expected that the effective recovery rate will be at or close to 100% and that all treated / processed waste will be supplied as recycled aggregate (principally Recycled Concrete Aggregate, RCA) for re-use in the construction industry (subject to EPA national End of Waste criteria). Provision is made for storage of up to 25,000 tonnes of both unprocessed waste and processed / recycled aggregate at any one time.

For Soil Recovery Activities (only), please complete the following table:

All blank fields in the table are mandatory

Soil Recovery Activity Details	**Input a value into ALL blank cells (where applicable)**			
Volume of void to be filled and authorised by planning permission:			**m^3**	
Quantity of waste soil and stone that is required to fill the void:			**tonnes**	
Proposed annual intake of waste soil and stone:			**tonnes per annum**	
Proposed duration to complete the fill:			**years**	
Stage of fill: 'Not Commenced' **OR** 'Commenced':				
- **If commenced: quantity of waste already deposited in the void:** (Enter a value in both cells)		**m^3**		**Tonnes**
- **Volume of void remaining**:			m^3	
Period of previous fill: (<Year> **to** <Year>):				
Quantity of fill authorised by planning permission: (Enter a value in both cells)		**m^3**		**Tonnes**
Waste Licence, waste facility permit, or certificate of authorisation number: (Attach copy in this document)				