EPA Application Form

4. Activity and Capacity

4.3.2.4 - Storage of Waste and Other Materials - Attachment

Organisation Name: *	Sancom Ltd
Application I.D.: *	LA005485

* 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:	15,050 tonnes
Other materials (Non-waste) accepted, including non-waste feedstocks:	Not applicable
Capacity of treatment vessels and chambers:	Not applicable
Treated waste, whether classified as waste or not:	900 tonnes

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

None

[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.

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.

Waste materials will be brought via an internal haul road to a stockpiling and sorting area situated to the east of the site. Here, waste materials will be inspected and separated into the following waste streams using mobile machinery:

- Sub-soil and overburden (LoW Code 17 05 04)
- Top-soil (LoW Code 17 05 04)
- Sand and Gravel (LoW Code 17 05 04)
- Concrete (LoW Code 17 01 01)
- Biodegradable garden waste (LoW Code 20 02 01)

Sub-soil and overburden material will then be brought via internal haul routes to the proposed fill area for backfilling.

Sand and Gravel will be brought to an adjacent sand and gravel stockpiling area for storage prior to processing at an adjacent, pre-existing sand and gravel wash plant. Sometimes crushed concrete is mixed with sands and gravels prior to being fed through the washing plant to form aggregate. Processed materials will be sold to concrete and tarmacadam suppliers as per demand.
Top-soil will be directed to the soil screening plant situated adjacent to the stockpiling and sorting area for processing. Processed top- soil will be sold as product to local landscape contractors as per demand. Stone from the process will be directed toward the washing plant for processing prior to being sold to concrete and tarmacadam suppliers as per demand.
Concrete will be directed to the concrete jaw crusher plant situated adjacent to the stockpiling and sorting area for processing prior to being mixed with sand and gravel before being fed to the washing plant to form aggregate.

Biodegradable garden waste will be directed to a hard standing concrete area to the north of the site where it will await processing in a green waste shredder proposed to be situated in this area, prior to being dispatched for storage and decomposition at a hardstanding, impervious, hard-standing composting area situated adjacent to the shredder. Compost will then be blended and collected prior to being applied to agricultural land in ownership of the site operator to improve soil quality. Any surplus compost will be resold to local farm owners.

It is expected that material outputs will equate to waste material inputs for each of the above processing activities. It is expected there will be a negligible quantity of residual waste generated when carrying out any of the above waste activities.

All waste brought on-site for C&D Recovery will be resold. Prior to the selling of these materials it is intended to ensure these waste meet end of waste status as defined by the EPA. General criteria for a waste meeting end of waste status is as follows:

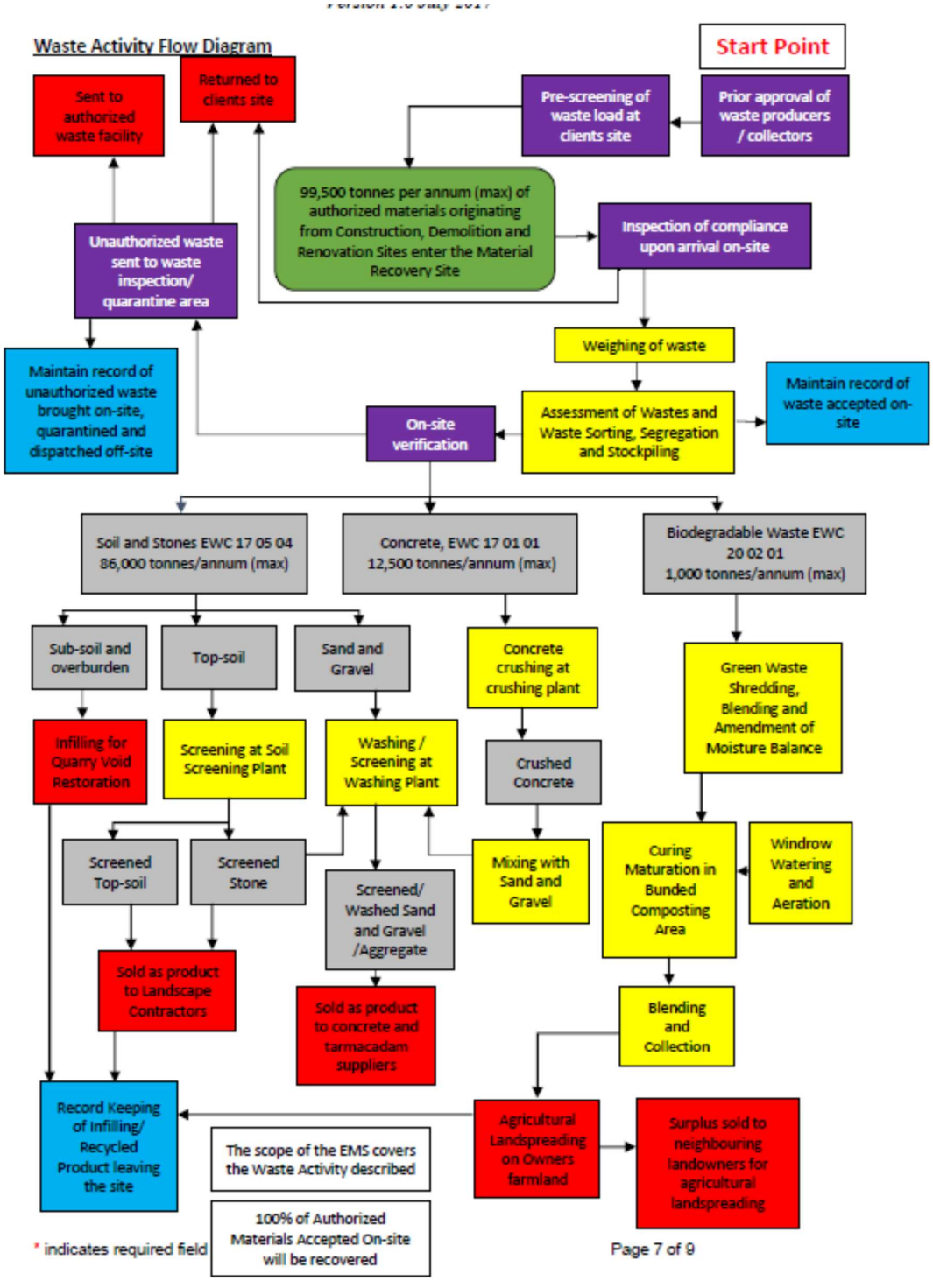
- The substance or object is commonly used for specific purposes;
- A market or demand exists for such a substance or object
- The substance or object fulfils the technical requirements for the specific purposes and meets The existing legislation and standards applicable to products; and
- The use of the substance or object will not lead to overall adverse environmental or human health impacts.

With regards to the materials to be processed on-site and resold, all materials are commonly used for specific purposes and market demand currently exists for all materials. This market demand has motivated the applicant to carry out the proposed waste activity.

All materials will meet certain specified criteria (e.g. IS EN 13242: Aggregates for unbound and hydraulically bound materials for use in civil engineering work and road construction.'). The applicant intends on establishing a Quality Management System to maintain Quality Assurance and ensure that this is the case.

Lastly, Waste Acceptance Procedures have been established to ensure all waste materials processed and recovered on-site are non- hazardous in nature, and the re-use of such will not lead over adverse environmental or human health impacts.

A depiction of the proposed waste activities is shown in a process flow diagram in the figure below.


Waste Activity Flow Diagram
Start Point
Sent to authorized waste facility
Returned to clients site
Pre-screening of waste load at clients site
Prior approval of waste producers / collectors
99,500 tonnes per annum (max) of authorized materials originating from Construction, Demolition and Renovation Sites enter the Material Recovery Site
Inspection of compliance upon arrival on-site
Unauthorized waste sent to waste inspection/ quarantine area
Weighing of waste
Maintain record of unauthorized waste brought on-site, quarantined and dispatched off-site
On-site verification
Assessment of Wastes and Waste Sorting, Segregation and Stockpiling
Maintain record of waste accepted on-site
Soil and Stones EWC 17 05 04 86,000 tonnes/annum (max)
Concrete, EWC 17 01 01 12,500 tonnes/annum (max)
Biodegradable Waste EWC 20 02 01 1,000 tonnes/annum (max)
Sub-soil and overburden
Top-soil
Sand and Gravel
Concrete crushing at crushing plant
Green Waste Shredding, Blending and Amendment of Moisture Balance
Infilling for Quarry Void Restoration
Screening at Soil Screening Plant
Washing / Screening at Washing Plant
Crushed Concrete
Screened Top-soil
Screened Stone
Screened/ Washed Sand and Gravel /Aggregate
Mixing with Sand and Gravel
Curing Maturation in Bunded Composting Area
Windrow Watering and Aeration
Sold as product to Landscape Contractors
Sold as product to concrete and tarmacadam suppliers
Blending and Collection
Record Keeping of Infilling/ Recycled Product leaving the site
Agricultural Landspreading on Owners farmland
Surplus sold to neighbouring landowners for agricultural landspreading
The scope of the EMS covers the Waste Activity described
100% of Authorized Materials Accepted On-site will be recovered
* indicates required field
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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:	**1,054,949**		**m^3**	
Quantity of waste soil and stone that is required to fill the void:	**Ca 1.8 million (assuming an average imported soil density of 1.8t.m^3)**		**tonnes**	
Proposed annual intake of waste soil and stone:	**72,000**		**tonnes per annum**	
Proposed duration to complete the fill:	**25 years**		**years**	
Stage of fill: 'Not Commenced' **OR** 'Commenced':	Not commenced			
- **If commenced: quantity of waste already deposited in the void:** (Enter a value in both cells)	Not applicable	**m^3**	Not applicable	**Tonnes**
- **Volume of void remaining**:	**Not applicable**		m^3	
Period of previous fill: (<Year> **to** <Year>):	Not applicable			
Quantity of fill authorised by planning permission: (Enter a value in both cells)	**1,054,949**	**m^3**	1.8 million	**Tonnes**
Waste Licence, waste facility permit, or certificate of authorisation number: (Attach copy in this document)	Not applicable			