COVERING LETTER

For the Attention of Mr Simon Farrugia – Senior Officer (Environmental Permitting)

24th August 2017

Dear Mr Farrugia,

Further to your letter dated 16th June 2017, attached hereunder please find the updated Integrated Pollution Prevention and Control (IPPC) Permit Application form of Green Skip Services Limited (the "Company") together with all documentation required to process the application, including the specific documents requested in above-mentioned communication, namely:

1) Application forms A and B and associated documentation dated 23 rd January 2012
2) MEPA comments on application dated 15 th March 2012
3) Further submissions dated 20th May 2013
4) MEPA comments on BAT waste treatments industries dated 16th July 2015.
5) Updates to Waste Management Procedure documentation dated 14th April 2016.
6) Final reply RPB and conditions for permit dated 3 1st May 2016
7) Method Statement for Baseline Monitoring received on the 12th May 2017
8) Operator's reply to the ERA review document attached to said letter

Kindly refer to page 5 of the application Master Document for guidance as to how each of these is being submitted.

I confirm that all information provided is, to the best of my knowledge, correct at the time of submission. Furthermore, I also confirm that all individuals whose personal data appears in this document have consented to their data being used and processed insofar as the handling of this application is concerned. I also commit myself to inform the ERA immediately should there be any changes in personal data during the processing period.

Yours sincerely,

Mary Gaerty

Managing Director

About this Document

The individual forms of the Application and a number of the relevant documents have been collated into this Master Document. Documents have been inserted in the order requested. Some documents are cross-referred to in later parts of the application, but where this occurs it is clearly indicated. For ease of reference, page numbers have been inserted in a centre bottom position. Original page numberings on annexed documents and application A and B forms have been left in place (bottom right). The two are easily distinguishable.

Individual documents are hyperlinked from the contents page for quick access.

In cases where larger individual documents are required, these are presented separately and may likewise be accessed through the link on the contents page. They are listed in the contents section below the main table.

The document numbering as presented in the original application has been retained for ease of comparison and reference. Where extra documentation has been requested or has become available and where this is presented separately rather than as an update to this Master Document, the numbering of such new documentation reflects its later addition through the use of letters. Eg Extra documentation related to the original Document 1 is numbered 1A etc.

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* Denotes separately submitted documents

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Document 6A1 – Specifications of Oil Interceptors

Document 6A2 – Specifications of Drain Blockers

Document 6A3 – Specifications of Bunding Strips

Document 6B – Method Statement for Baseline Report as approved by ERA

Document 9A - GSS Environmental Management System Manual

Document 14 - Energy Audit Report (2008)**

Document 14A – Malta Enterprise Letter**

Document 15 – Interim Update to Energy Audit Report (2011)**

Document 15A1 Energy Performance Certificate (2015)

Document 15A2 Energy Performance Certificate – Data

Document 15A3 Energy Performance Certificate – Output

Document 15A4 Energy Performance Certificate - Comments

Document 15B – Electrical Load Assessment

Document 19 – Health and Safety Policy including Fire Plans and Evacuation Plans

Document 20 – Independent Risk Assessment Part 1 and Part 2 (2008)**

Document 20A – Independent Risk Assessment (2017)

Document 20B – Spill Emergency Response Plan

Document 25A – Greenskip Services Working Plan**

Document 25B – G.S. Rec Working Plan**

Document 25C – Procedures for Waste Management

Document 25D – EWC Codes – Procedures and Storage

Document 26A – Leakproofness Testing Report

Document 27A – Sewer Discharge Permit Certificate 2017

Document 27B – Sewer Discharge Permit Analysis and Certification (2016-2017)

Document 27C – Cesspit Registration Confirmation

Document 36 - Green Skip Services Maghtab Sorting Yard Environmental Planning Statement

Health, Safety and Maintenance Manual for Operating Machines (individual documents)

** **These documents have been included as they formed part of the original IPPC Permit application as submitted, however they have been since been superseded by documentation drawn up as part of this ongoing application.**

THIS CONSOLIDATED APPLICATION REQUIRES:

1) Application forms A and B and associated documentation dated 23 rd January 2012 (updated where relevant)
   These documents are embedded within this Master Document.

2) MEPA comments on application dated 15 th March 2012
   This document is presented separately as Annex 1. Where relevant comments have been incorporated into this Master Document.

3) Further submissions dated 20th May 2013
   These documents have all been incorporated into this Master Document, either directly or through a hyperlink leading to a separately submitted report. A folder containing all the

documents as submitted in 2013 is included in the soft copy.

4) MEPA comments on BAT waste treatments industries dated 16th July 2015.
This document is presented separately as Annex 2.

5) Updates to Waste Management Procedure documentation dated 14th April 2016.
These documents are submitted separately as Documents 25C and 25D, and are also incorporated into this Master Document via hyperlink.

6) Final reply RPB and conditions for permit dated 3 1st May 2016
A copy of the final e-mail as received from the RPB is submitted separately as Annex 3.

7) Method Statement for Baseline Monitoring received on the 12th May 2017
This document is submitted separately as Document 6B and is also incorporated into this Master Document via hyperlink.

8) Operator's reply to the ERA review document attached to said letter
This document is submitted separately as Annex 4.

Form IPPC Part A – application for a permit, variation, transfer or surrender
For Malta Environment & Planning Authority Use Only

Data received	Fee received: Yes No	Amount received	Name assigned to installation
	☐ ☐		

Application for a permit, variation, transfer or surrender

Integrated Pollution Prevention and Control

Integrated Pollution Prevention and Control Regulations 2002

Introduction to Part A

When to use this form

Use this form if you are sending an application to the MEPA under the Integrated Pollution Prevention and Control Regulations 2002 ('the IPPC Regulations').

The form is to be used for applications made in respect of both 'installations' and 'mobile plant' (and in the rest of the form, the term 'installation' also covers 'mobile plant' where appropriate).

Before you start to fill in this form

There may be two or more operators in a single installation. Each operator will need a permit, each obtained by a separate application. Your applications will principally relate to the part of the installation under your control, but will also need to include some information on the rest of the installation. This will help us to assess the operation of the whole installation. The term "installation", when used in this application form (and elsewhere) may refer to either the whole or part of the installation, depending on the nature of the information we are seeking to obtain.

Which parts of the form to fill in

The form is in five parts but we usually only send you the parts you need to fill in. Everyone has to fill in Part A, and prepare and sign a covering letter at the end of their application.
The other parts you need to fill in depends on the type of application you are making:

- To apply for a new permit – fill in Parts A and B;
- To vary an existing permit – fill in Parts A and C;
- To transfer all or part of an existing permit to someone else – fill in Parts A and D. This should be a joint application by the transferor and the transferee;
- To surrender all or part of an existing permit – fill in Parts A and E.

Other documents we need to see

There are a number of other documents you will need to send us with your application. Each time a request for documents is made in the application form you will need to record a document reference number for the document or documents that you are submitting in the box provided on the form for this purpose.

Please also mark the document(s) clearly with this reference number and either the application reference number if you know it or your existing permit number. If you do not have either of these, please use the name of the installation.

If you know your Application Reference Number, please enter it into the box below:

IP 0001/12

Using continuation sheets

In the case of questions required to be answered on the application form itself, please use a continuation sheet if you need extra space; but please indicate clearly on the form that you have done so by stating a document reference number for that continuation sheet. Please also mark the continuation sheet itself clearly with the information referred to above.

Copies

Please send 1 hard copy and 9 soft copies of the application form and all supporting information.

If you need help and advice

We have made the application form as straightforward as possible, but please get in touch with us if you need any advice on how to set out the information we need.

Please get in touch with us on 2290 7230.

A1 About your application

A1.1 What type of application are you making?

☑ new permit

- ❑ variation of an existing permit
- ❑ transfer of an existing permit
- ❑ surrender of an existing permit

A1.2 Name of the installation

Green Skip Services/G.S. REC

Please tell us if this name is:

☑ already agreed with the MEPA; or

- ❑ one that you are proposing.

A1.3 Please give the address of the site of the installation, and a map or plan showing the site of the installation and the location of the installation on the site

Street Address	**Ta' L-Imriekeb**	
	Ramla Road	
	MAGHTAB	
Locality	**Naxxar**	Post Code **NXR6540**

A1.4 Give details of any existing permit(s) for the installation.

Please give details of any applicable waste management licences, planning permits or water discharge consents. Include permit number(s), type(s) and date(s) of issue, and submit copies.

Kindly refer to IPPC Application Documents 1 (within Master Document) and 1A (submitted separatedly)

A2 Authorised contacts

It will help us to have someone who we can contact directly with any questions about your application. The person you name should have the authority to act on your behalf.

A2.1 Who can we contact about your application?

This could be an agent rather than the operator.

Name

Ondine Gaerty

Position

Director

Address

Street Address	**Torri, Ta' Cincli**	
	Bidnija L/O Mosta	
Locality	**Mosta**	Post Code **MST5112**

Phone Number **9942 8242**

Fax Number

Email address **divergirlie@gmail.com**

A2.2 Operational contact

If different to the above, please identify the person we should contact to discuss operational matters on an ongoing basis.

Name

Mary Gaerty

Position

Managing Director

Address

Street Address	**15, Ta' Nadur**	
Locality	**L/O Rabat**	Post Code **RBT 6801**

Phone Number **9942 2544**

Fax Number **21422029**

Email address **mgaerty@greenskipgroup.com**

A3 About the operator

Please provide the information requested below about the 'operator', which means:

• for applications for a new permit – the person who it is proposed will have control over the installation in accordance with the permit (if granted),

• for applications for a variation, transfer or surrender – the person who currently has control over the installation in accordance with the permit.

If you are applying for a transfer, we will ask for more information relating to the proposed new operator (transferee) in Part D.

Legal status of operator

A3.1 Is the operator an individual, a group of individuals, a partnership or a company/corporate body?

- ❑ Individual (sole trader) or group of individuals: go to question A3.2.
- ❑ Partnership: go to question A3.3.
- ☑ Company or corporate body: go to question A3.5.

Individual applicants

A3.2 Please give us the following details.

Where more than one person is applying (other than as a partnership) we need details of each person.

Continue on separate sheets if necessary.

Full Name
ID Card/Passport No.
Trading/business name (if any)

Business address

Street Address		
Locality		Post Code

Phone Number
Fax Number
Email address

Now go to question A4, What to do next.

Applications from partnerships

A3.3 Who is applying?

We can only issue permits to named individuals, not to a partnership name. We therefore need details of each person in the partnership.

Continue on separate sheets if necessary.

Person

Full Name
ID Card/Passport No.

Principal place of business

Street Address		
Locality		Post Code

Contact Numbers

Phone Number
Fax Number
Email address

Person

Full Name
ID Card/Passport No.

Principal place of business

Street Address		
Locality		Post Code

Contact Numbers

Phone Number
Fax Number
Email address

Person

Full Name

ID Card/Passport No.

Principal place of business

Street Address		
Locality		Post Code

Contact Numbers

Phone Number
Fax Number
Email address

A3.4 Please give us the following details about the partnership.

Name of partnership (if there is one)

Principal place of business

Street Address		
Locality		Post Code

Contact Numbers

Phone Number
Fax Number
Email address

Now go to question A4, What to do next.

Companies or other corporate applicants

A3.5 Please gives us the following details.

Full name of company or corporate body.

Green Skip Services Company Ltd
G.S Rec Ltd

Trading/business name (if different)

Registered office addresses

Street Address	**Administration Building**	
	Ta' l-Imriekeb, Ramla Road	
	Maghtab	
	L/O	
Locality	**Naxxar**	Post Code **NXR 08**

Company registration number

Green Skip Services Ltd – C13893
G.S. Rec Ltd – C17963

Date of formation of company

Green Skip Services Ltd – 26th May 1992
G.S Rec Ltd. – 8th March 1995

• For applications from companies, please provide a copy of the certificate of incorporation or registration and any certificates of subsequent name changes.

Document reference number

Documents 2 and 3

• For applications from other corporate bodies, please provide evidence of status.

Document reference number

A3.6 Is the operator a subsidiary of a holding company?

☑ **No**

Yes ☐ **name of ultimate holding company**

Registered office address

Street Address		
Locality		Post Code

Principal office address (if different)

Street Address		
Locality		Post Code

Company registration number

A4 What to do next

Now you need to fill in the other Parts of this form we sent you.

If you are applying for

☑ **• A new permit – fill in Part B;**

❑ • A variation – fill in Part C;

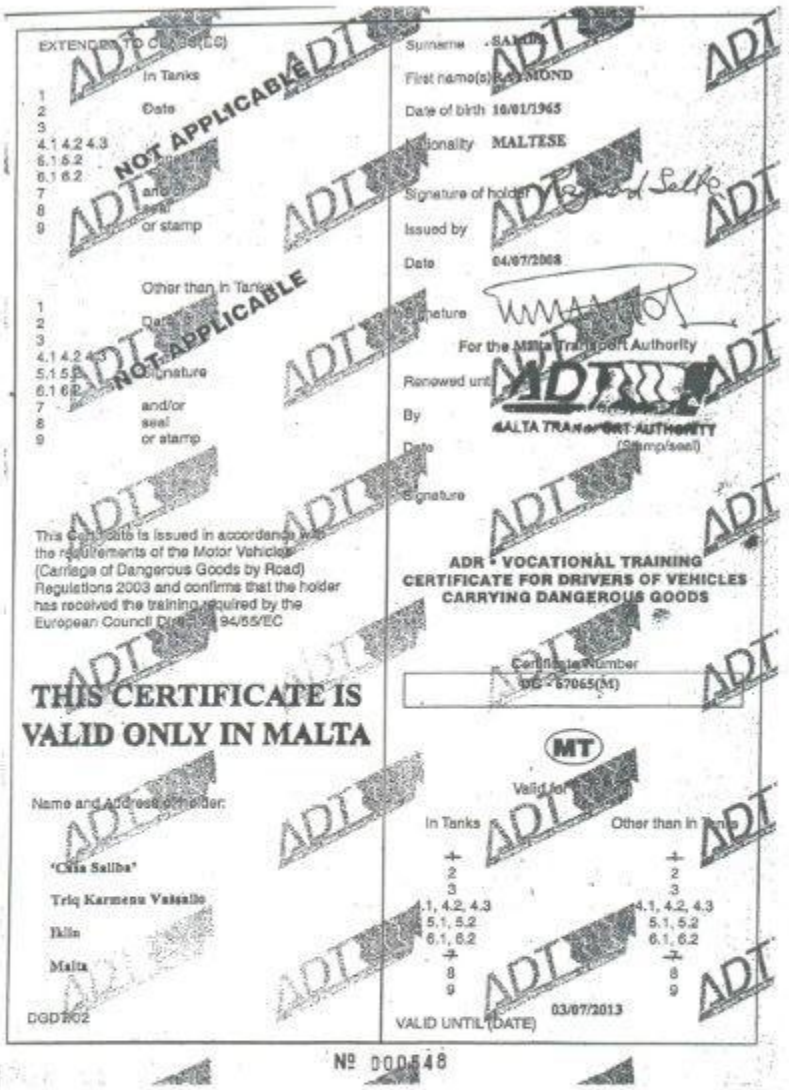
❑ • A transfer – fill in Part D;

❑ • A surrender – fill in Part E.

Document 1 Ref A1.4 List of Existing Permits

Permit Type	Company	Permit Number	Date of Issue Or Approval	Issuing Authority
Full Development Permit	Green Skip Services Ltd	PA/04322/94	Nov 1996	MEPA
Full Development Permit	Green Skip Services Ltd	PA/02542/09	July 2011	MEPA
Full Development Permit	Green Skip Services Ltd	PA/03357/16	May 2017	Planning Authority
Waste Management Permit	Green Skip Services Ltd	WM 00004/07/I	June 2017	ERA
Environmental Permit	G.S. Rec Ltd	WM 00003/07/F	June 2017	ERA
Waste Broker Permit	Green Skip Services Ltd	GBR 00802/09	May 2017	ERA
Waste Broker Permit	G.S Rec Ltd	GBR 00803/09	May 2017	ERA
Waste Carrier Permits	See Document 1A presented separately			ERA
Sewer Discharge Permit	Green Skip Ltd	DMU 6663 – Renewable annually upon effluent analysis and inspection by WSC		WSC
Transfrontier Shipment Permit	Green Skip Ltd	MT17/000031	June 2017	ERA
Transfrontier Shipment Permit	Green Skip Ltd	MT16/000050	March 2017	ERA
Transport of Dangerous Goods by Road Permit**	Individual Employee Permits	Various		ADT

** Example of ADR Permit



EXTENDED TO CLASS(EC)

In Tanks

Date

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4.1 4.2 4.3
5.1 5.2
6.1 6.2
7 and/or
8 seal
9 or stamp

NOT APPLICABLE

Other than in Tanks

Date

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4.1 4.2 4.3
5.1 5.2
6.1 6.2
7 and/or
8 seal
9 or stamp

NOT APPLICABLE

This Certificate is issued in accordance with the requirements of the Motor Vehicles (Carriage of Dangerous Goods by Road) Regulations 2003 and confirms that the holder has received the training required by the European Council Directive 94/55/EC

THIS CERTIFICATE IS VALID ONLY IN MALTA

Name and Address of holder:

'Casa Saliba'
Triq Karmenu Vassalli
Iklin
Malta

DGD102

Surname SALIBA

First name(s) RAYMOND

Date of birth 16/01/1965

Nationality MALTESE

Signature of holder

Issued by

Date 04/07/2008

Signature

For the Malta Transport Authority

Renewed until

By

MALTA TRANSPORT AUTHORITY

Date (Stamp/seal)

Signature

ADR - VOCATIONAL TRAINING CERTIFICATE FOR DRIVERS OF VEHICLES CARRYING DANGEROUS GOODS

Certificate number
DG - 67065(M)

MT

Valid for

In Tanks

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5.1, 5.2
6.1, 6.2
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Other than in Tanks

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4.1, 4.2, 4.3
5.1, 5.2
6.1, 6.2
7
8
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VALID UNTIL (DATE) 03/07/2013

№ 000548

Document 2 Ref A3.5 Green Skip Services Ltd Certificate of Incorporation

COMPANIES ACT, 1995

CERTIFICATE OF COMPLIANCE
WITH THE COMPANIES ACT, 1995

Green Skip Services Limited

Name of Commercial Partnership

Sammut Building, Unit 1, Triq id-Dwieli, Burmarrad

SPB 08, Malta

Registered Office

C 13893

Registration No.

This is to certify that the above-mentioned Commercial Partnership which was registered under the Commercial Partnerships Ordinance on the

26 May, 1992

has complied with the provisions of the Companies Act, 1995 in terms of Section 428 of the Act and shall be regulated by the said Act, with effect from the

31 December 1997

O. GRECH

Registrar

Dated this 24th day of November, 19 97

Document 3 Ref A3.5 G.S. Rec Ltd Certificate of Incorporation

COMPANIES ACT, 1995

CERTIFICATE OF COMPLIANCE
WITH THE COMPANIES ACT, 1995

G.S. Rec Limited

Name of Commercial Partnership

Sammut Building, Unit 1, Triq id-Dwieli, Burmarrad

SPB 08, Malta

Registered Office

C 17963

Registration No.

This is to certify that the above-mentioned Commercial Partnership which was registered under the Commercial Partnerships Ordinance on the

8 March, 1995

has complied with the provisions of the Companies Act, 1995 in terms of Section 428 of the Act and shall be regulated by the said Act, with effect from the

31 December 1997

O. GRECH

Registrar

Dated this 5th day of November, 19 97

Form IPPC Part B: Application for a New Permit

For MEPA use only

Application reference:

Use this part of the form if you are applying for a new permit.
Please read carefully Appendix I attached with this application.

B1 About the installation

Please fill in the installation table below with details of all the activities and operators at the whole installation, even if you are applying for a permit in respect of only part of the installation.

In **Column 1: Activities in "the stationary technical unit"**, please identify all activities listed in Schedule 1 to the IPPC Regulations that are proposed to be carried out in the "stationary technical unit" of the installation.

For **Directly associated activities**, please identify any directly associated activities proposed to be carried out on the same site which:

- have a technical connection with the activities in the stationary technical unit; and
- could have an effect on pollution.

In **Column 3: Operator**, write the name of the operator for each activity (if you are the operator yourself, write "Applicant").

B1.1 Installation table for new permit application

COLUMN 1 Activities in the "stationary technical unit"	COLUMN 2 Schedule 1 references	COLUMN 2 Operator
WASTE MANAGEMENT	5.1	**APPLICANT**

Directly associated activities

Transport	Repackaging	Generator Refuelling
Storage	Sales	Generator use
Repackaging	Vehicle servicing	Dismantling of WEEE
Shredding	Equipment servicing	
Grinding	Forklift Refuelling	
Baling	Forklift Use	

B1.2 Non-technical description

Please provide a non-technical description of the proposed installation activities.

Document reference number:

Document 4

B1 About the installation *continued*

B1.3 Why is the application being made?

- ❑ the installation is new;

☑ it is an existing installation and you have the agreement of MEPA to make this application now. Please attach proof of this agreement, such as a letter from MEPA;

Document reference number for proof:

DOCUMENT 5

- ❑ it is an existing installation for which a 'substantial change' is proposed;
- ❑ it is for a mobile plant being moved to a new location.

B1.4 Site maps and reports

Please provide:

B.1.4.1
A site report, providing a history of the site and describing the condition of the site of that part of the installation in respect of which you are applying for a permit, and, in particular, identifying any substance in, on or under the land which may constitute a pollution risk.

Document reference number for the report:

Document 6

B1.4.2
A suitable map (or maps) showing the location of the site of the installation, and the area of the site covered by the site report and which an IPPC permit is being applied for. The outline of the site should be clearly marked in colour, and the surroundings of the site should be included in the map.

Document reference number for map(s):

Document 7

B1.4.3
Suitable block plans, properly labelled, showing the location and nature of the various activities being proposed on that site.

Document reference number for plans:

Document 8

All maps and plans submitted shall be to scale, using a scale rule. Soft copies of plans should be submitted in .pdf format only.

B2 Your proposed techniques

Please provide written information about the aspects of your installation listed below. We need this information, and that which you give in response to B3 and B4, to determine whether you will operate the installation in a way which meets all the environmental requirements of the IPPC Regulations.

In each case you should:

- address all of the issues set out in each question;
- justify your proposals against any indicative requirements contained in the relevant BREF guidance notes; and
- provide any other information about the installation which you think is relevant to that issue.

B2.1 Environmental Management System
Provide details of your proposed management techniques and environmental management system (EMS). An EMS can take the form of a standardised system (e.g. EN ISO 14001:1996; EMAS) or a non-standardised ("customised") system, provided that is properly designed and implemented.

Document reference number:

Document 9

B2.2 Raw materials
Identify the raw and auxiliary materials, other substances and water that you propose to use. Give details of quantities proposed to be used annually and submit respective MSDS sheets.

Document reference number:

Document 10

B2.3 Proposed activities
Describe the proposed installation activities.

Include the proposed techniques and measures to prevent and reduce waste and emissions of substances and heat (including during periods of start-up or shut-down, momentary stoppage, leak or malfunction).

Submit a flow diagram summarising the proposed installation activities.

Document reference number:

Document 11

B2 Your proposed techniques *continued*

B2.4 Maintenance
Provide a proposed maintenance programme for the installation, and a template for keeping records of maintenance.

Document reference number:

Document 12 pg 36

B2.5 Energy
B2.5.1: Provide a breakdown of the proposed annual energy consumption, highlighting the main energy-consuming equipment, and generation by source and end-use (including information on energy generated on site, if applicable).
Document reference number:

Documents 13-15 pg 37-50

B2.5.2: Describe the proposed basic measures for improvement of energy efficiency.
Document reference number:

Document 16 pg 51

B2.6 Water
Provide a breakdown of the proposed annual water consumption by source and end-use.

Document reference number:

Document 17 pg 51

B2.7 Risk assessment
Describe the documented system proposed to be used to identify, assess and minimise the environmental risks and hazards of accidents and their consequences. Include emergency plans in case of fire and other emergencies.

Document reference number:

Documents 18-20 pg 52

B2.8 Training
Please submit a proposal for a training programme and a proposed template for keeping training records. Please submit the name of the technically competent person on site who will be responsible for such training.

Document reference number:

Document 21 pg 53

B2.9 Cessation
Describe the proposed measures upon definitive cessation of activities, to avoid any pollution risk and return the site of the installation to a satisfactory state (including relevant measures for the design and construction of the installation).

Document reference number:

Document 22 pg 55

B2.10 Multi-operator installations
Where you are not the only operator of the installation, describe the proposed techniques and measures (including those to be undertaken jointly by yourself and other operators) for ensuring satisfactory operation of the whole installation.

Document reference number:

B3 Your proposed emissions

In response to the following questions, please provide written information about the emissions which will result from the techniques you described in response to the questions in section B2.

You should also provide any other information about the installation which you think is relevant to that issue.

B3.1 Waste
B3.1.1: Characterise (using the European Waste Catalogue code – Schedule 1 of LN 337 of 2001) and quantify each waste stream from the installation.

Document reference number:

Document 23 pg 58

B3.1.2: Describe the proposed measures for waste management, storage and handling.

Document reference number:

Document 24 pg 62

B3 Your proposed emissions *continued*

B3.1.3: Describe how each waste stream is proposed to be recovered or disposed of and, if you propose any disposal, explain why recovery is technically and economically impossible and describe the measures planned to avoid or reduce any impact on the environment.
Document reference number:

Document 25

B3.2 Emissions to Groundwater
Identify if there may be a discharge of any List I or List II substance, and if any are identified, explain how the requirements of the Groundwater Regulations (LN 203 of 2002) have been addressed.

Document reference number:

Document 26

B3.3 Emissions to Sewer
B3.3.1: Does the installation have (or is proposing to have) a sewer connection?
Yes ☐ No ☑

Please submit a block plan of the site, showing the proposed layout of sewer connections and any other drains (colour-coded), as well as the proposed discharge point(s).

Document reference number:

B3.3.2: Does the installation have a Sewer Discharge Permit?
Yes ☑ No ☐

Please submit a copy of the permit, or of the submitted application if the permit has not yet been issued.

Document reference number:

Document 27

B3.3.3: Could the installation involve the release of any Schedule A or Schedule B substance into the sewers?
Yes ☐ No ☑

If yes, explain how the requirements of LN 139 of 2002 have been addressed.

Document reference number:

Document 28

B3.4 Emissions to the Sea
Identify if there may be a direct discharge of any List I or List II substance to coastal (up to 1 nautical mile from the coast line) or territorial waters.
Yes ☐ No ☑

If any are identified, explain how the requirements of the Discharge of Dangerous Substances Regulations (LN 213 of 2001) have been addressed.

Document reference number:

In addition, please submit a block plan of the site, showing the proposed discharge point to the sea.

Document reference number:

B3.5 Emissions to Air
Identify if there may be emissions of substances to air.
Yes ☑ No ☐

If any are identified, submit details of each emission point, the nature and the proposed quantities of substances emitted from each point. A block plan of the site showing each emission point should be submitted.

Document reference number:

Document 29

B3.6 Emissions to Land
Identify if there may be emissions of substances to land.
Yes ☐ No ☑

If any are identified, submit details of the nature and the proposed quantities of substances emitted to land, as well as a map showing the proposed location of such emissions.

Document reference number:

Document 30

B3 Your proposed emissions *continued*

B3.7 Noise
Describe:
B3.7.1: The main sources of noise and vibration (including infrequent sources) of the proposed installation;
B3.7.2: The proposed techniques and measures for control of noise;
B3.7.3: The nearest noise sensitive locations and distance away from the site (a site map may be submitted for this purpose); and
B3.7.4: Relevant environmental noise measurement surveys which have been undertaken (using a standard methodology such as BS4142).

Document reference number:

Document 31

B3.8 Monitoring
Describe the proposed measures for monitoring emissions including any environmental monitoring. The following must be specified:

B3.8.1: The location of each proposed monitoring point (plotted on a suitably-labelled block plan of the site);
B3.8.2: The substances (in each environmental medium) which are proposed to be monitored;
B3.8.3: The frequency with which monitoring is proposed to take place;
B3.8.4: The proposed measurement methodology, which should be a standard methodology, such as EN or ISO standard, or equivalent;
B3.8.5: The proposed procedure for evaluation of the results.

Document reference number:

Document 32

B3.9 Summary
By means of a mass flow diagram, summarise the emissions and waste described in sections B3.1, B3.2, B3.3, B3.4, B3.5, and B3.6 of this application.

Document reference number:

Document 33

B4 Impact on the environment

Please provide written information about the impact your emissions may have on the environment.

You should:
- address all of the issues set out in the section;
- justify your proposals;
- provide any other information about the installation which you think is relevant to that issue.

B4.1 Environmental effects
Provide an assessment of the potential significant environmental effects (including transboundary effects) of the foreseeable emissions.
Document reference number:

Document 34

B4.2 Effects on other sites
Provide an assessment of whether the installation is likely to have a significant effect on another site in Malta and, if it is, provide an assessment of the implications of the installation for that site.

Document reference number:

Document 35

B5 Environmental statements

B5.1 Environmental statement
Has the development of the installation (or any subsequent change or extension of the development) required an environmental statement (EIS or EPS) under LN 204 of 2001 on the assessment of the effects of certain public and private projects on the environment?

Yes ☑ No ☐

If yes, please supply a copy of the environmental statement submitted and details of any decision made.
Document reference number:

Document 36

B6 Statutory consultees

We will use the information in this section to identify who we must consult about your proposals.

B6.1 Local council
In which area is the installation located? If premises are on a boundary please give the names of all the relevant authorities.

NAXXAR

B6.2 Other sites
Are there any other sites which may be affected by emissions from the installation? (Refer also to your answer to B4.2).

Yes ☐ No ☑

If yes, please give the names of the sites:

B6.3 Port Authority
Could the installation involve the release of any substance into a harbour managed by a port authority?

Yes ☐ No ☑

If yes, please name the port authority:

B7 Specified waste management activities

B7.1 Specified waste management activities
Are you applying to operate any 'specified waste management activities'? (i.e. activities listed in *"Section 5: Waste management"* of Schedule 1 of the IPPC Regulations).

Yes ☑ No ☐

If yes, please give details below.

WM Activities on site which are defined in LN 10 of 2013, Schedule 1, S5.1(d) and 5.5, namely repackaging and storage of waste prior to treatment, disposal or recovery at other facilities.

B8 Planning status

B8.1 Planning status
Which of the following applies to the proposed installation activities?

We cannot issue a permit unless one of the following applies. Please tick the applicable answer and submit a copy of the relevant documents.

☑ You have planning permission.

Document reference number:

Document 1 (page 10)

☐ You have a certificate of lawful existing use or development.

Document reference number:

☐ Planning permission is not required - please say why and enclose written confirmation from the Planning Directorate at MEPA.

Document reference number:

☐ If you have submitted an application for planning permission which has not yet been determined, please provide a copy of the application.

Document reference number:

B9 Technically competent person

We need to make sure that whoever holds the permit is a 'technically competent person'. This includes consideration of relevant offences, technical competence and financial provision.

B9.1 Relevant offences
Has the operator, or any other 'relevant person' been convicted of any relevant offence?
A 'relevant person' includes each partner, director, manager, company secretary or any similar officer or can be an employee.

Yes ☐ No ☑

If yes, please give full information.

Document reference number:

The details we need are listed below:
- Full name of company or individual convicted;
- If an individual has been convicted please state their position at time of offence;
- Name of court;
- Date of conviction;
- Offence and penalty imposed;
- Date of any outstanding appeal lodged against conviction;
- Any additional information which the operator would like us to take into account in determining whether they are a 'technically competent person'. For example, why the offence happened, and what has been done to prevent a similar event occurring.

B9.2 Technically competent management
Who will provide the technically competent management of the specified waste management activities?

Please give details for each person and provide written evidence.

Responsible person 1:

Full Name: Mary Gaerty
Position: Managing Director
Date of employment:

Document reference number for copies of relevant qualifications:

Document 37

Responsible person 2:

Full Name: Ondine Gaerty
Position: Director / Consulting
Date of employment:

Document reference number for copies of relevant qualifications:

Document 37

Responsible person 3:

Full Name:
Position:
Date of employment:

Document reference number for copies of relevant qualifications:

Responsible person 4:

Full Name:
Position:
Date of employment:

Document reference number for copies of relevant qualifications:

B9.3 Management of other installations

Are any of these 'Responsible people' already providing the technically competent management at other IPPC installations or at sites licensed under the Environmental Protection Act 2001?

Yes ☐ No ☑

If yes, please use a separate sheet to give details of these people. For each person we need to know the:
- site/installation name and address;
- licence/permit reference number.

Document reference number for this information:

B10 Expenditure plan

B10.1 Expenditure plan
Please provide a plan of the estimated expenditure for each phase of the following specified activities.

The plan should include the likely costs of:
- monitoring (emission/discharge and ambient monitoring);
- clearing the installation (including drainage
- systems) of all wastes;
- remedial action in the event of the failure of pollution control systems.

We recognise that this plan may need to be revised before the issue of the final permit.

Document reference number for expenditure plan:

Document 38

B11 What to do next

Please read Appendix I, then prepare and sign a covering letter to attach to your application form.

Appendix I
Data Protection Clause

In terms of the Data Protection Act (Chapter 440 of the Laws of Malta), we will process any personal and/ or sensitive data supplied on/ in this submission or subsequently supplied by yourself, whether orally or in writing, for all or any of the following purposes:

1. The proper processing of your submission;
2. internal management, research and statistics;
3. the protection and promotion of our legitimate interests and the proper conduct of our obligations arising under any law or statutory instrument; and
4. to make public the necessary information as specified in the relevant law and/or instrument.

Relevant data will be disclosed or shared as appropriate with all our employees and with other third parties if pertinent to any of the purposes listed above.

You have the right to require that we provide you with access to your **personal data** as well as the right to rectify, or, in appropriate circumstances, erase/edit any inaccurate, incomplete or immaterial personal data which is being processed. However, you are required to inform us immediately of any alterations relating to your personal data which we are processing.

By sending your submission, you confirm that you are giving your explicit consent, in terms of the Data Protection Act, on behalf of yourself and all the other persons specified in this submission for the Authority to process your respective personal information as outlined above and you confirm that you have brought this Data Protection notice to the attention of these other persons and obtained their respective consents.

We undertake to implement appropriate measures and safeguards for the purpose of protecting the confidentiality, integrity and availability of all personal data processed.

Document 4 Ref B1.2 Non-Technical Description of Installation Activities

Summary

As a waste management company, Green Skip Services offers clients the facility of consultancy, waste-carriage, bin sales, the handling of all required paperwork and temporary on-site storage of certain types of material. It also identifies foreign companies which are willing to accept said material for treatment or disposal, in the case where this cannot be achieved locally.

Description

Green Skip Services is primarily a Waste Management Company. Its services include, but are not limited to:

Carriage of Waste from Industrial Sources

Carriage of Waste from Construction Sites

Carriage of Waste from Clinics and Hospitals

Consultancy regarding the setting up of Waste Management Plans for clients, be they in the healthcare, manufacturing, construction or entertainment/hospitality sectors.

The Implementation of said Waste Management Plans, ranging from logistics to the supply of bins/skips/bespoke equipment for the storage/carriage of waste. In so far as possible, this always upholds the principles of reducing, reusing and recycling.

The identification of material which may be recycled and the identification of facilities/industries willing to purchase such material and recycle it.

The logistics of bundling together such material in quantities which justify export and treatment.

Obtaining permits etc for carriage on behalf of clients.

From the above list it is evident that a wide range of activities happens on-site. They may be categorised into three specific groups.

Carriage of Waste

This involves the carriage of different types of wastes from client premises to either the landfill or the site at Maghtab as appropriate. Carriage of waste operations involve a fleet of seventeen vehicles.

Bins and skips are transported to client premises, left for a pre-established number of days, depending also on the nature of the client and whether the service is being carried out as part of a long term contract or a one-off, and finally collected, emptied as and where necessary and brought back to the site for cleaning/maintenance.

In terms of on-site activity carriage of waste therefore involves:

1) Movement of waste-carriage vehicles through the site.
2) On-site maintenance and servicing of vehicles.
3) On-site maintenance and servicing of bins and skips, including washing.
4) On-site storage of new and used bins and skips.
5) Parking of vehicles on-site outside of operational hours.

Recycling/Reusing of Waste

This involves bundling together of certain types of waste, oftentimes from varied sources, which may be reused or recycled. Recycling or recovery may happen both locally or overseas, and the activity impacts the site in a number of ways.

1) Recyclable material is grouped together by type.
2) Material is compacted or shredded and baled in preparation for further treatment and to reduce the amount of space it occupies on-site.
3) Bales are stored on-site until a sufficient amount is obtained to ship (when exported) or sell locally. In some cases, certain types of material are sold locally in small amounts to individuals (eg shredded paper to be used as horse bedding)

Hazardous Waste

In recent years and in view of EU legislation and new policies, hazardous waste is no longer treated the same way as other types of waste and, depending on the type and amount, may be incinerated locally or exported for treatment and recycling or disposal, as necessary. Green Skip Services have ongoing relationships with several facilities within the EU which accept, recover material or, alternatively treat or dispose of such waste on behalf of their clients. Oftentimes, especially in cases where the waste has been stockpiled without the necessary labelling at client facilities, it is necessary to identify the material in question in order to best treat it. This may involve lengthy procedures, also because the amounts are sometimes too small to economically justify export. For this reason, Green Skip Services offers clients the facility of on-site storage until enough material is available to ship.

Because of laws and regulations regarding the carriage of hazardous material, it is sometimes necessary to repackage the waste in question in such a way as to render its transportation safer, both from a personal safety as well as an environmental point of view.

This means that the site is impacted in the following ways:

1) Waste which is stored on-site is kept in purpose-built sheds (marked clearly on all plans of the site)
2) Waste may be repackaged if necessary

WEEE

WEEE waste is accepted on site at the facility and items are partly dismantled to facilitate the recuperation of materials for recycling. Refrigeration equipment is accepted onsite only after degassing has been carried out.

Methodology and technical details are included in Documents 25A-D. Apart from all this, the operation is run via an office, also situated on-site. This impacts the site only insofar as the office building takes up roughly a 100m^2 footprint of the site.

Document 5 Ref B1.3 Why the Application is Being Made

With reference to Section B1.3, the installation is not, strictly speaking, new, there is no 'substantial change' in the offing and it is not being relocated.

Green Skip Services has been expanding as a business since its set up in 1992. The company acquired a site in Maghtab and moved its operations there in 1996. Operations have been expanding on a yearly basis since then. This application was originally submitted upon recommendation of MEPA given that at the time, whilst the amount of waste incoming and present on-site did not reach the thresholds necessitating the site to be IPPC-permitted, it was advised that an IPPC permit application should be submitted so as to cover all eventualities in terms of future expansion and legal requirements which have effectively become more stringent since then.

Document 6 Ref B1.4.1 Site Report

HISTORICAL – Pre- Green Skip Services:

The EPS (submitted separately) compiled before the site was turned into the current facility describes the condition of the site at that time in the following way - (Excerpts from Section 3 are reproduced below for ease of reference):

*"The large majority of the site is covered by bare earth with intermittent piles of stone rubble and refuse."*pg 14 of EPS document.

" The proposed site is located to the north of the Victoria Lines (the Great Fault) in a relatively low-lying area between the escarpment, caused by the Great Fault, and the coast.

"The existing site is currently visually unappealing with large quantities of stone rubble and other wastes piled around the site; this is clearly visible from surrounding properties and the road adjacent to the site.

"The area directly affected by the proposed development is currently being used as a parking area for refuse tipping containers and vehicles. The parking area has been levelled out and, consequently, the original natural aspect and the lie of the land has been extensively damaged."

The above excerpts give an indication of the condition of the site when it was acquired by GSS in the '90's. No historical use/condition of the site previous to this report is known.

Green Skip Services

The site, situated at Ramla Road, Maghtab, measures approximately 7800m^2.

The site has been developed as may be seen in the plan attached hereafter (Document 8 Ref 1.4.3) of this Master Document.

The site surface has been completely converted to hardstanding, as required by the site's Environmental Permit conditions. **All roofed structures, including the sheds, garages and Bins 1-6 are floored with an impervious flooring. This was carried out under an architect's instructions. Concrete surfaces were powerfloated with an additive which renders the top layer impermeable. (See also Documents 26 and 26A – Ref B3.2)**

The structures present within this enclosed site, as listed in the table 1 on the following page.

Additionally there are two water reservoirs, one having a capacity of 13,000Litres whilst the second, larger one has a capacity of 330,000 Litres.

There is also a cesspit onsite with a capacity of 15,000Litres. (See Documents 27 and Documents 27A-C Ref B3.3.2 submitted separately).

TABLE 1: Structures at Green Skip Services Site at Maghtab.

Name of Building	Area in m^2	Purpose of building	Construction Material	Roof Material
Main Office	2 floors x 105	The running of operations/compiling of paperwork/ housing of administration offices/ client meetings	Limestone	Concrete beams
Large Garage	529	Servicing of vehicles and garaging of vehicles overnight/ repackaging of waste	Limestone	Concrete beams
Small Garage	65	Storage of bins and equipment	Limestone	Concrete beams
Small Garage (store)	50	Storage of bins and equipment	Limestone	Concrete beams
Generator room	4	Generator housing	Limestone	concrete
Working Shed	298	Processing of materials	Steel	Steel
Holding Shed- Bin 1 – roofed	110.5	Hazardous Waste	Limestone and concrete Bricks	Concrete beams
Bin 2 –roofed	104	Hazardous Waste	Limestone and concrete Bricks	Concrete beams
Bin 3 – roofed	91	Hazardous Waste	Limestone and concrete Bricks	Concrete beams
Bin 4 – roofed	81	Plastics	Limestone and concrete Bricks	
Bin 5 – roofed	74	WEEE	Limestone and concrete Bricks	Concrete beams
Bin 6 – roofed	60.5	WEEE	Limestone and concrete Bricks	
Open air Storage Area	variable			
Non built area (Hard Standing or garden)	6258	Temporary storage of recyclables/skip parking/vehicle parking		

2013 update: Sediment Trap Details (This clarification was requested with reference to Section 5 of the application and submitted as 'further submissions' in 2013. However given its pertinence to the actual layout of the site it has been incorporated into this part of the Master Document).

The site's hardstanding was completed under architect's supervision during the course of 2012. As part of the works the sediment trap was constructed as per the specifications in Diagram 1 and Diagram 2. The former shows the construction requirements whereas the latter is a general diagram of the site showing levels and water flow.

Diagram 1:

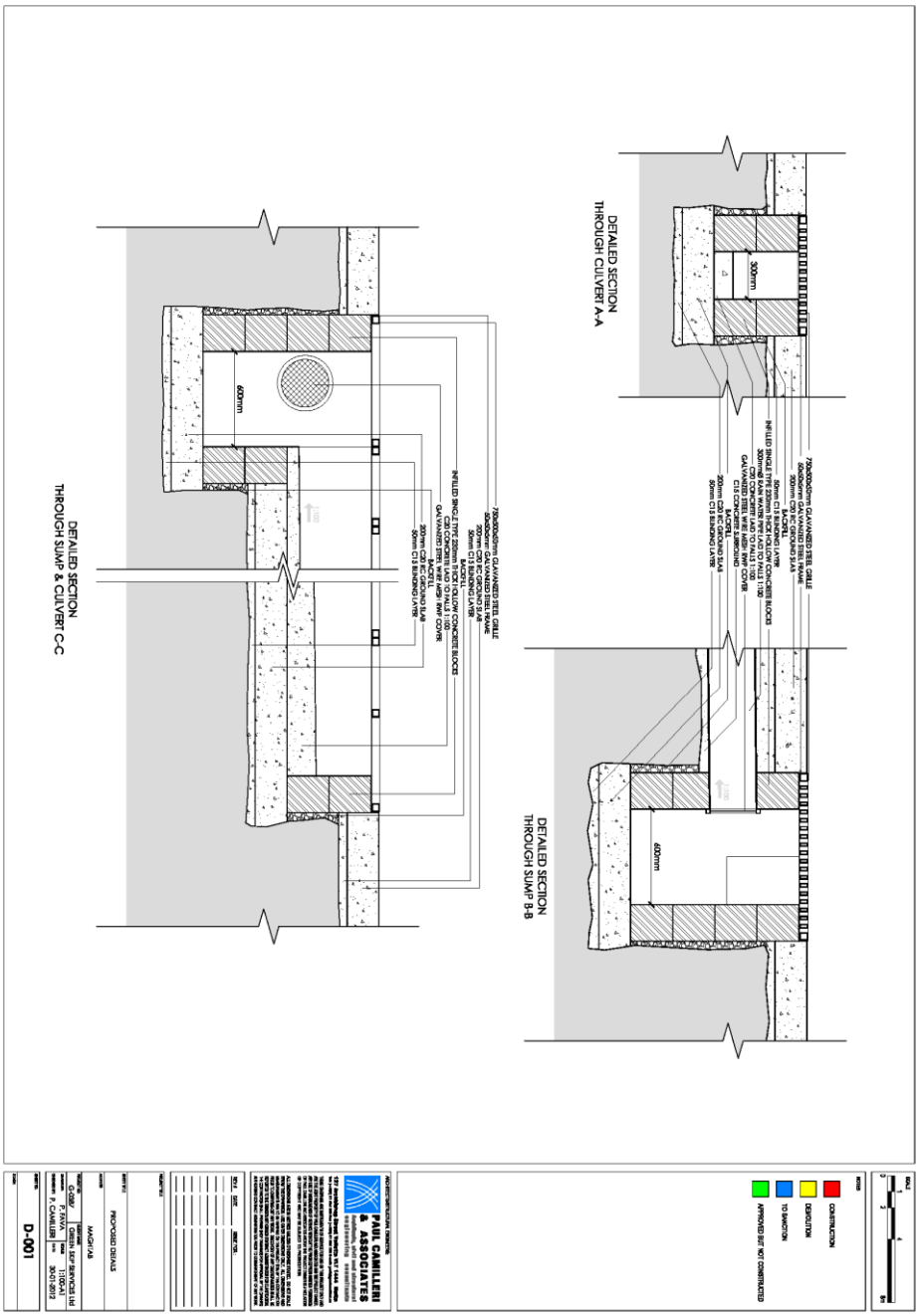
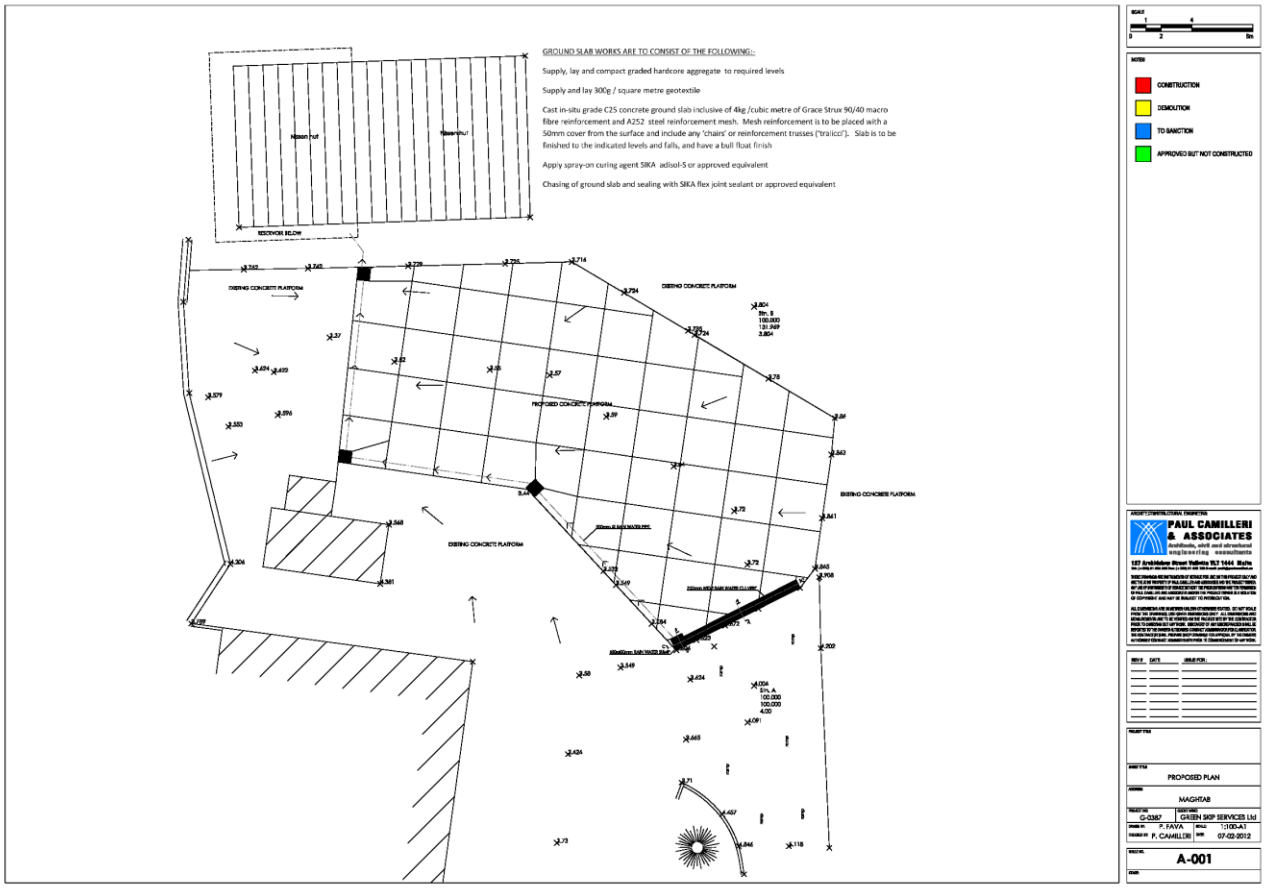

DETAILED SECTION
THROUGH CULVERT A-A
DETAILED SECTION
THROUGH SUMP B-B
DETAILED SECTION
THROUGH SUMP & CULVERT C-C
600mm
300mm
PAUL CAMILLERI
& ASSOCIATES
PROPOSED DRAINS
MAGHTAS
D-001
CONSTRUCTION
DEMOLITION
TO DEMOLITION
APPROVED BUT NOT CONSTRUCTED

Diagram 2



The sediment trap was constructed as can be seen in the picture below:

It consists of two separate chambers whereby flow is directed into the first chamber which, when full, overflows into the second chamber before being routed into the reservoir. This allows any particulates or solid materials to settle in either the first or second chambers. The two chambers are separately accessible from the surface via manholes for cleaning, inspection and maintenance operations.

Additionally there is also a smaller sediment trap in line with the cesspit which prevents sediment/solids from reaching the cesspit through washwater used in washing the skips and bins.

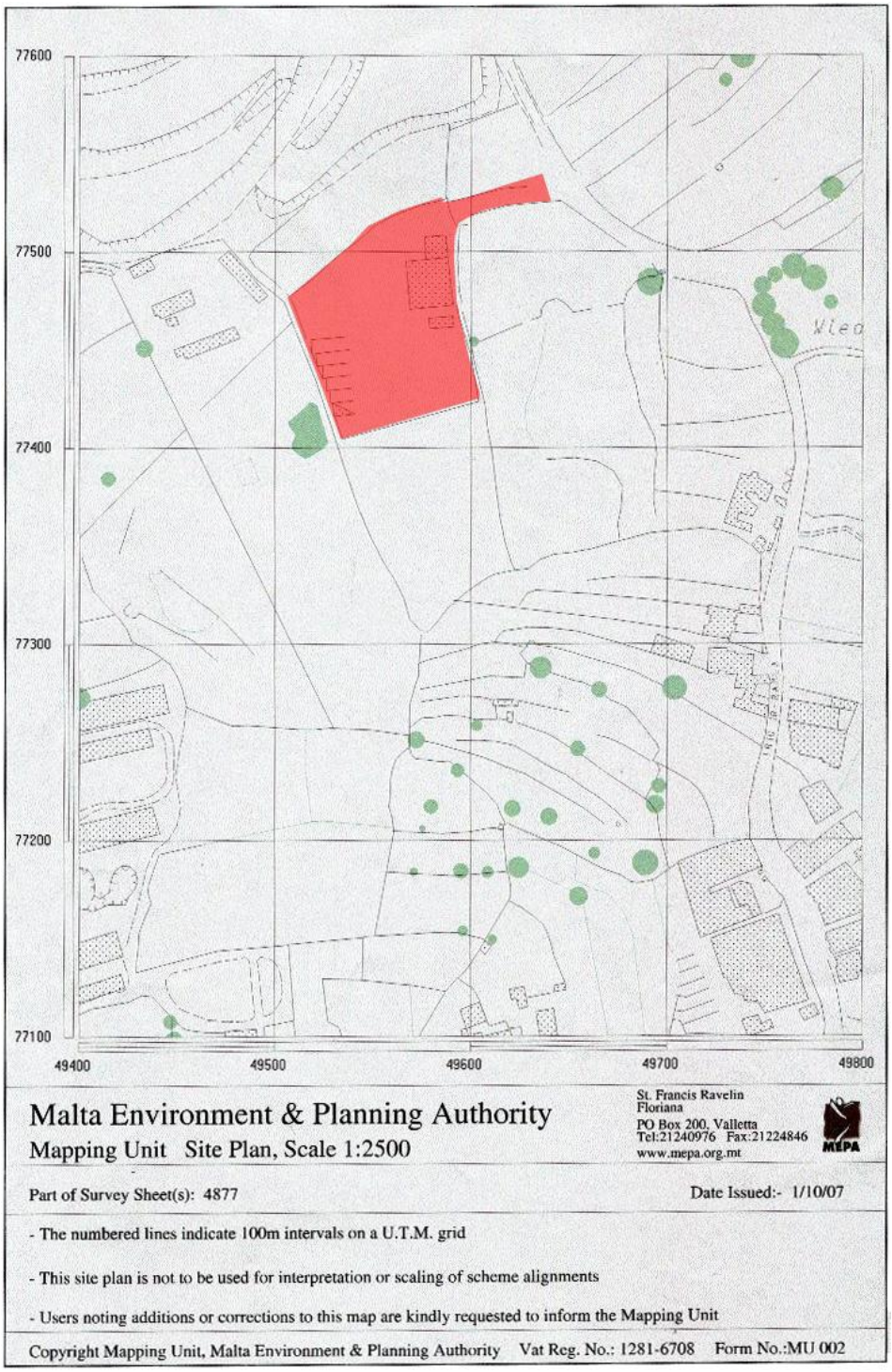
Furthermore, a number of oil interceptors are installed on-site in order to ensure that harvested rainwater which is subsequently used for washing and site maintenance is of sufficiently good quality. The specifications of the oil interceptors installed may be found in the separately submitted Document 6A1. Drain covers which protect the reservoirs from accidental spills are available as per the specifications outlined in Document 6A2.

The site is also equipped with a spill channel and emergency holding reservoirs in the case of spills as well as extra Strip Bunding (specifications outlined in Document 6A3) which may restrict the spreading of any potential spills. (See also Documents 20B, 26, 26A and 30).

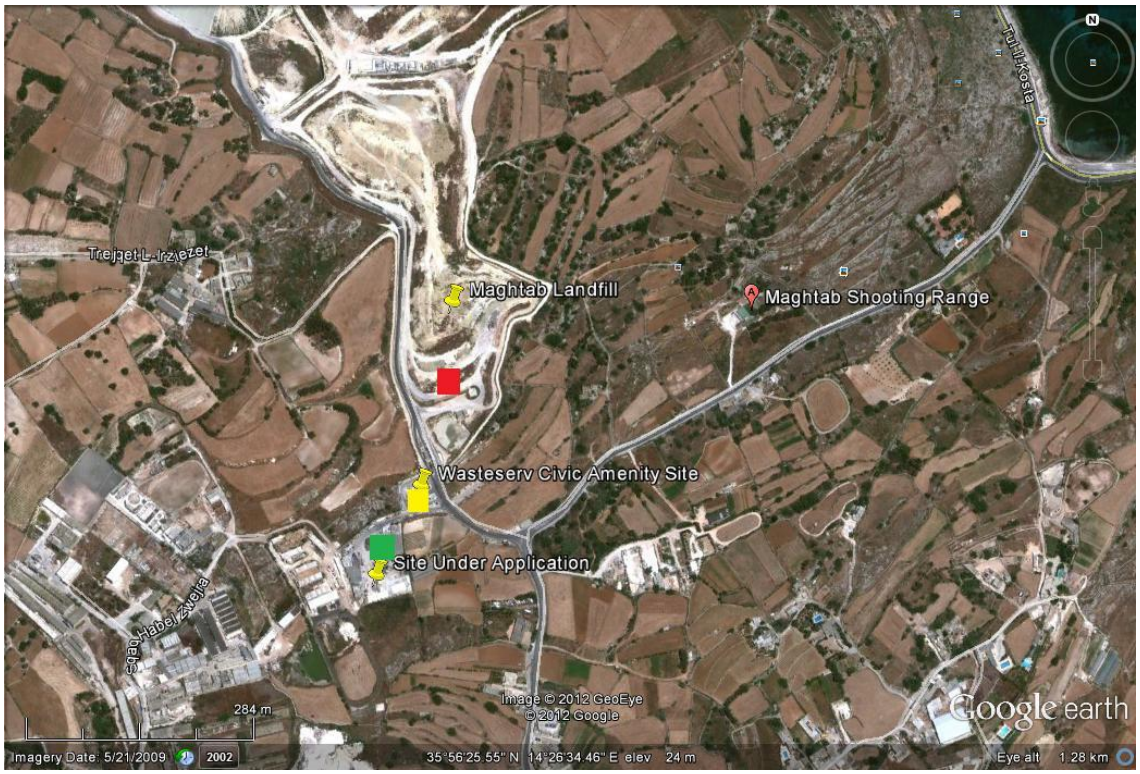
The site is enclosed by a high boundary wall as stipulated in the original development permits, and areas of vegetation have been planted and are maintained. There is mains electricity supply to the site, and, as of June 2017 there is mains water. There is no sewer connection.

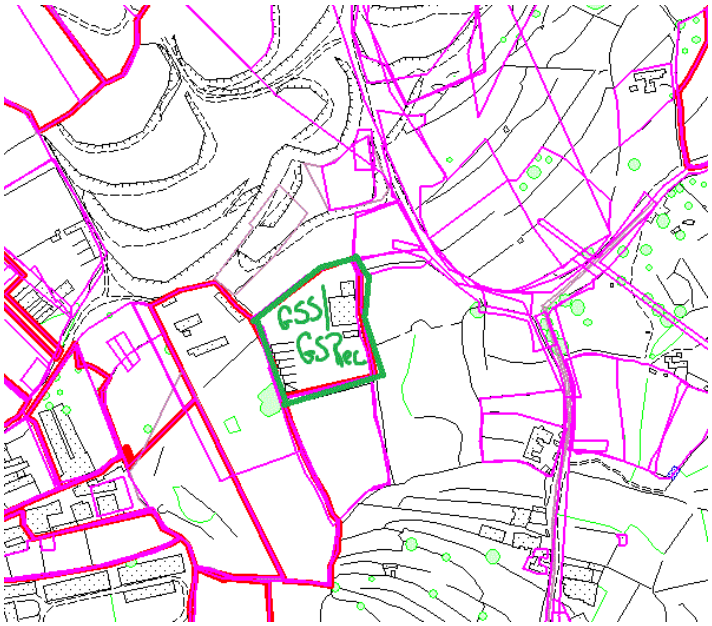
As part of this ongoing IPPC application, a Method statement for the compilation of a Baseline Report was submitted. It is separately submitted as Document 6B.

Document 7 Ref 1.4.2 Maps Showing Location of Installation

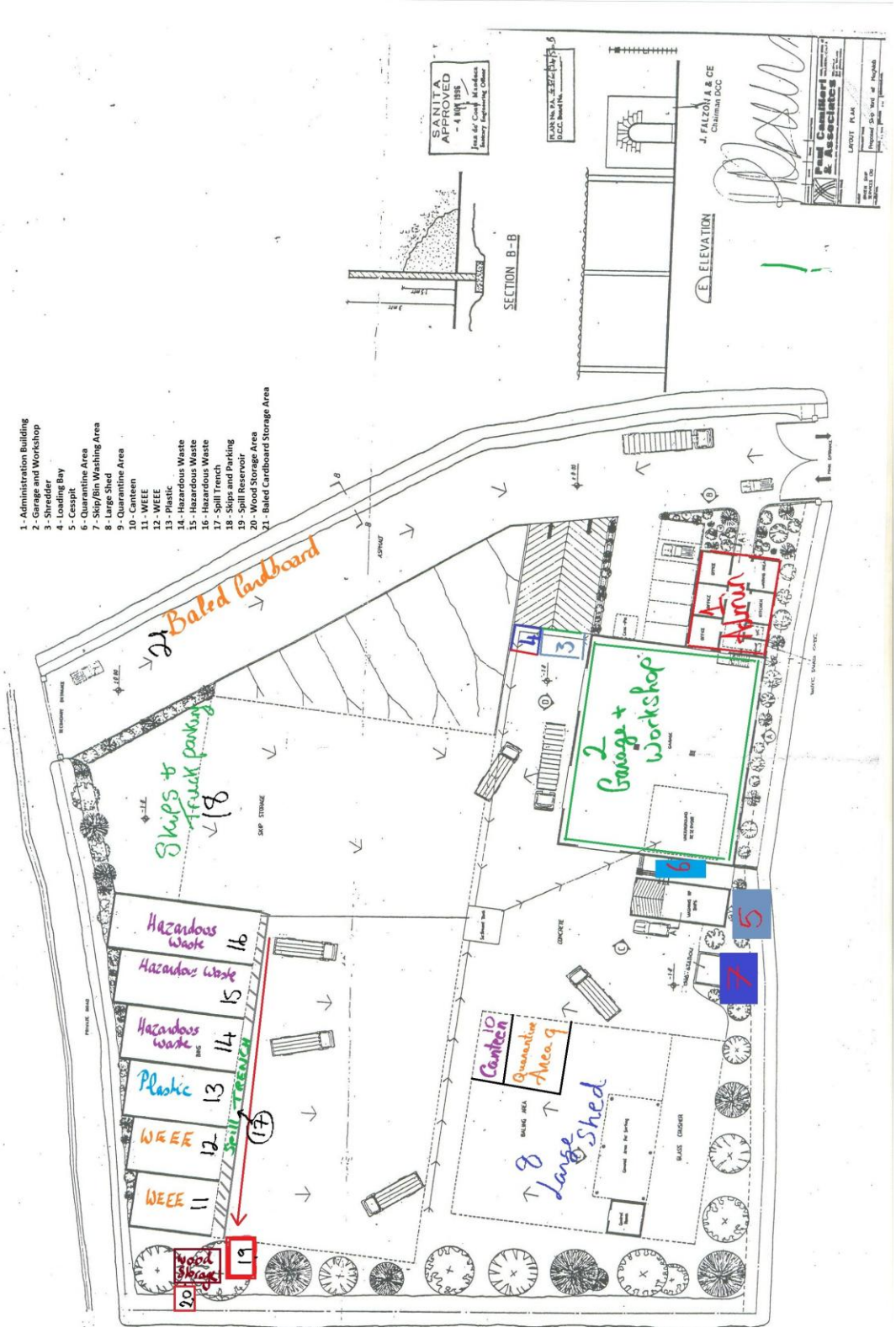


In the aerial photo below, the green square marks the location of the site under application, the yellow square marks the location of the WasteServ civic amenity site and the red square marks the old entrance to the Maghtab Landfill. These pictures are not official site plans and are presented only to give a better overview of the area.





Document 8 Ref 1.4.3 Block Plans with Description of Activities



Document 9 Ref B2.1 Environmental Management System

The EMS manual is presented separately as Document 9A. Please note that the soft copy presented is a single document which consists of all separate documents collated into a single .pdf document and includes the documents listed below:

GSS EMS Document Number	Document Title
1	Communication
2	Emergency Response
3	Energy Management – On Site
4	Environmental Complaints
5	Site Management
6	Purchasing
7	Resource/consumable use
8	Training
9	Transport and Travel
10	Waste Management
11	Water Management
12	Maintenance of Register of Applicable Legislation and other requirements and Evaluation of Compliance
13	Setting Objectives and Targets
14	Management Programme for Objectives and Targets
15	Document Control
16	Non Conformance and Corrective Action
17	EMS Audit
18	Management Review
19	Environmental Aspects and Impacts Register

Document 10 Ref B2.2 Raw Materials

Green Skip Services/GS Rec are not manufacturing businesses and thus have limited use for raw materials, these being by definition goods consumed in the production of other goods. Being a waste management company which runs a material reclamation site, the 'raw materials' present on site are simply other manufacturer's and producer's (i.e. clients') own surplus raw materials and waste materials. This is waste material and discussed in Section B3.1 – Waste.

As a business running an office and a fleet of vehicles, the requirements of both are basics such as paper and printer cartridges. All these are recycled appropriately.

2013 Clarification Re small amount of diesel is kept on-site for the refuelling of the generator/forklifts: **As per the clarification requested as part of this IPPC permit application, which clarification was submitted in 2013, there is no fixed structure or tank present on-site. Confirmation has been obtained from the MRA that the 8X25L cans of fuel, for a maximum total of 200L require neither a permit nor a notification (which becomes a requirement when the stored volume exceeds 300L). Diesel consumption for onsite electricity generation for 2010 was approximately 3900L. This figure was 3500L for 2016.**

Water- *2011 Figures:*

Water consumption for 2010 was approximately 327,000 Litres of second class water.

Bottled water consumption for 2010 was approximately 15,800L.

Updated 2016 Figures:

Water consumption for 2016 was approximately 300, 000L of second class water.

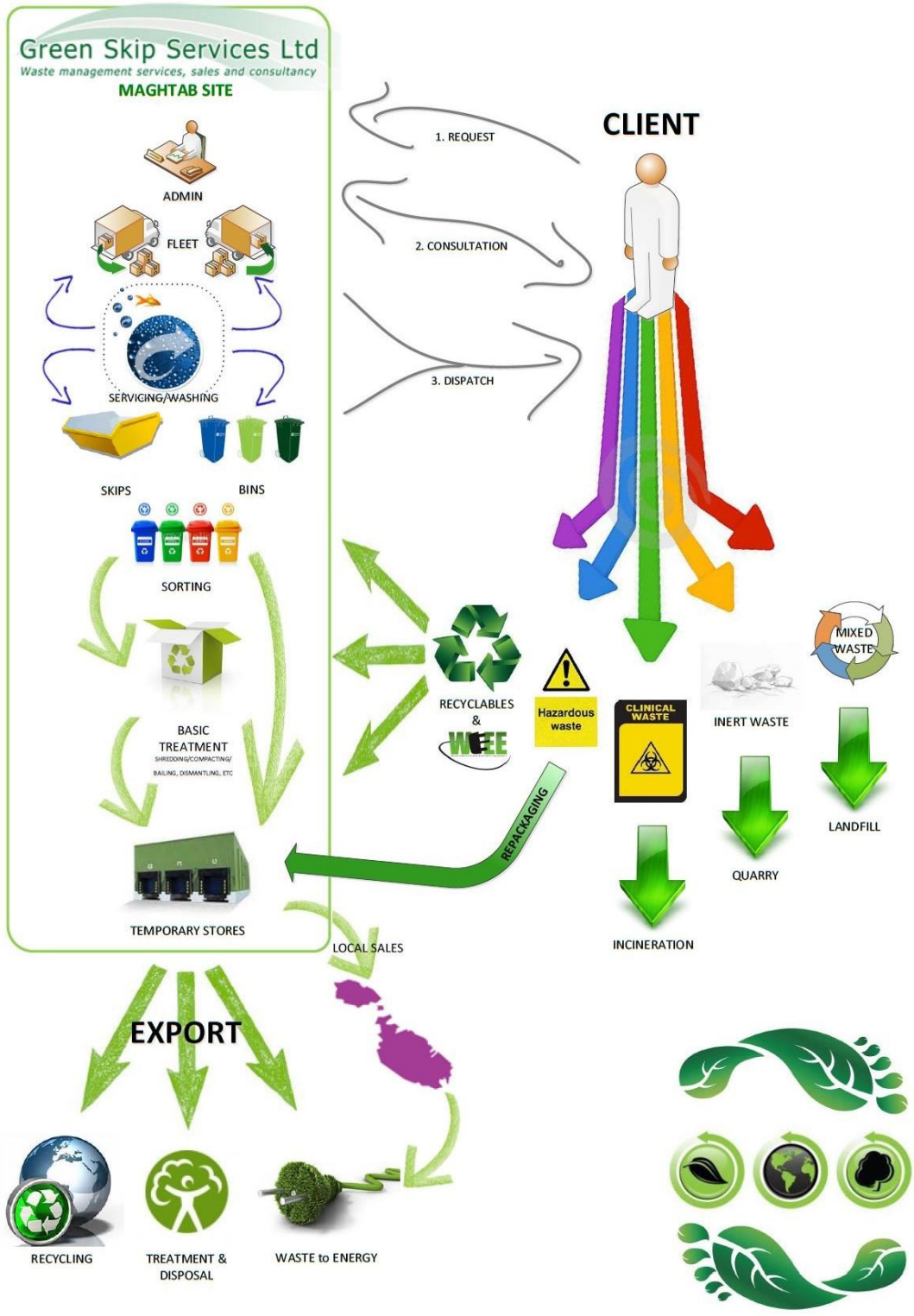
Bottled water consumption for 2016 was approximately 10, 500L.

Cleaning/washing operations of bins/skips and the site calls for the use of cleaning agents, as approved by the Water Services Department upon the issuing of the Sewer Discharge Permit. (See Document 27).

Document 11 Ref B2.3 Proposed Activities Description

The site's activities are outlined in Document 4 (REF B1.2). The processes may be visualised in the flowchart below. Technical information regarding techniques and environmental considerations are discussed in Documents 25A-D submitted separately as well as the EMS documents presented separately.

FLOWCHART


Green Skip Services Ltd
Waste management services, sales and consultancy
MAGHTAB SITE
ADMIN
FLEET
SERVICING/WASHING
SKIPS
BINS
SORTING
BASIC TREATMENT
SHREDDING/COMPACTING/ BAILING, DISMANTLING, ETC
TEMPORARY STORES
1. REQUEST
2. CONSULTATION
3. DISPATCH
CLIENT
RECYCLABLES & WEEE
Hazardous waste
CLINICAL WASTE
INERT WASTE
MIXED WASTE
LANDFILL
QUARRY
INCINERATION
REPACKAGING
LOCAL SALES
EXPORT
RECYCLING
TREATMENT & DISPOSAL
WASTE to ENERGY

Document 12 Ref B2.4 Maintenance Program

Machinery

There is a maintenance program in place for all machinery used for the processing and handling of waste. The operation, safety and maintenance of each and every item is illustrated in the company's Health, safety and Maintenance manual.

Each machine used is described, an outline of operational requirements is presented, along with diagrams, pictures or illustrations when required, and a description of maintenance requirements is provided along with a template for maintenance logging.

The table below is a summary of equipment present and frequency of maintenance as established by the Manual. Each one links to the individual manual.

Machine	Scheduled Maintenance
Air Compressor	Monthly
Baling Press	Monthly
Conveyor Belt	Monthly
Drum Crushers	Monthly
Electric Starter	Quarterly
Electric Welder	Major service every 6 months plus daily check of liquid.
Granulator	Checks every 6 months plus checks every 1000 operational hours.
Generator	Weekly
Grinder	Checks every 6 months.
Industrial Shredder	Daily/Weekly/Monthly checks and maintenance required.
Metal Saw	Every 6 months
Milling Machine	Quarterly
Power Washer	Weekly

Press Drill	Regular (as required) dusting of motor plus Monthly maintenance/ lubrication
Flatbed Trucks	Daily checks
Refuse Trucks	Daily Checks
Skip Loaders	Daily Checks
Forklift	Daily Checks

Additionally, skips, bins, wheeled bins etc are regularly serviced/maintained through washing and repairs as and when required.

Office

All office equipment (copiers/printers etc) is also regularly maintained and serviced as per manufacturer's requirements. Air conditioning units are serviced once per year.

Document 13 Ref 2.5.1 Energy Summary

An Energy Audit Report was compiled in July 2009. This is submitted as Document 14, along with a similar document, Document 15, compiled internally in 2011 which updates certain elements and rectifies some inaccuracies in the original report.

These two reports were embedded within the application's Master Document upon original submission, however they have now been extracted and linked in order to facilitate the reading of this document. Additionally, as part of this ongoing IPPC application, a clarification was requested as to whether the audit originally compiled in 2008 report was carried out by an approved Energy Auditor. As explained in the 2013 submissions, at the time that Audit was carried out there was no list of approved auditors and the auditor was engaged via Malta Enterprise. A copy of the letter is submitted as Document 14A.

Furthermore two more recent documents, namely an EPC report and an Electrical Load Assessment are submitted separately as Document 15A(1-4) and Document 15B respectively.

The equipment with major electricity consumption is the Shredding Unit, which, due to grid power insufficiency is powered exclusively by electricity generated on-site by a generator. Second to this are the grinding units, which are powered using the grid supply.

An amount of renewable energy is generated on-site via a large PV array.

Document 14 Ref 2.5.1 Energy Audit Report (2008)

Document 15 Ref 2.5.1 Update to Energy Audit Report (2011)

Document 15A1 Ref 2.5.1 Energy Performance Certificate (2015)

Document 15A2 Ref 2.5.1 Energy Performance Certificate – Data

Document 15A3 Ref 2.5.1 Energy Performance Certificate – Output

Document 15A4 Ref 2.5.1 Energy Performance Certificate - Comments

Document 15B Ref 2.5.1 Electrical Load Assessment

Document 16 Ref 2.5.2 Energy Efficiency Improvement Proposals

Following the 2009 Energy Audit Report, and the compilation of the company's EMS which includes an energy policy (GSS EMS Document 3 – Energy Management), several measures are now in place to ensure energy efficiency is safeguarded. (Ref Energy Audit Report and GSS EMS Document 3).

Over and above basic measures, such as switching to energy saving lighting in the offices and scheduling generator/shredder worktime appropriately, the large installation of photovoltaic panels reduces the site's CO_2 footprint significantly.

The recommendations of the latest report (Document 15A4) are being considered.

Document 17 Ref B2.6 Water Usage and Source Summary

2010 figures as originally submitted

Water consumption for 2010, as mentioned earlier in Section 2.2 was approximately 327,000L of non-potable second class water. This was used for washing of bins, skips and vehicles. It was also used for irrigation purposes and for site maintenance. Additionally it was used to service toilets and cleaning requirements of the office building. An amount of water was also consumed in the basic treatment of liquids (eg neutralisation etc, although this kind of usage is minimal.) .Due to the fact that there was no mains supply at the time, providing exact values was impossible as there was no meter and only delivery/supply chits and logs were available.

Bottled water used strictly for drinking for 2010 was approximately 15,800L.

Clarification requested in 2013:

All water intended for human consumption on-site is through commercially available bottled water in returnable plastic bottles. Water dispensers are available for use of employees throughout the site, namely each floor of the administration building, the garage and the sorting shed. Water taps are clearly marked indicating that tap water is not of drinking quality.

2016 figures updated:

Volume of second class water used on-site in 2016 was of approximately 30,000L.
Volume of bottled water used on-site for drinking was of approximately 10, 500L.

2017 Update:

As of June 2017, the large water reservoir on-site has been cleaned in order to raise the level of the quality of rainwater harvested to be used for site maintenance and washing. To this end, a number of oil interceptors have been installed on-site. (Please see Document 6A1 – Ref 1.4.1).
Furthermore, the administration building is now serviced with a water meter and has a mains water supply.

The company policy for Water Management is covered in GSS EMS Document 11.

Document 18 Ref 2.7 Risk Assessment Summary

A risk assessment was carried out in 2008 and the report was submitted with the original IPPC application. This has been retained as it was part of the original submissions.
Furthermore, the exercise has recently been repeated as part of the ongoing IPPC application, and this report is also submitted as Document 20A.

It must also be pointed out that several of the site's procedures and policy manuals incorporate within them identification of risk and strategies for dealing with such risks. These documents are routinely reviewed and, where necessary, updated.

Examples of these are the EMS document pertaining to Environmental Aspects and Impacts (GSS EMS Document 19), which identifies environmental risks and possible environmental consequences of operations at the site, GSS EMS Document 2 (Emergency Response) as well as the relevant forms annexed to GSS EMS Document 4 (Environmental Complaints), which deal with potential environmental incidents.

Besides the EMS Manual, the Procedures documents also include methodologies for dealing with the identification and minimisation of environmental risks and hazards and the procedures for dealing with accidents.

Furthermore a Spill Emergency Response Plan was drawn up as a separate document to formalise the procedures in place for dealing with accidental spills as part of this IPPC Permit application. This was submitted and approved in 2013 and is now included as Document 20B.
A comprehensive Health and Safety Policy document also incorporates a CPD-approved fire plan and evacuation procedure.

The machinery manual includes information regarding safe usage and minimisation of risk.

Document 19 Ref 2.7 Health and Safety Policy

With regards to Hazards and Accidents, the company's Health and Safety Policy is also submitted. This includes the general policy, first aid procedures, the fire evacuation plan as approved by the Civil Protection Department as well as all relevant templates for documentation. The Health and Safety policy has its own contents page.

Document 20 Ref 2.7 Risk Assessment

An independently carried out risk assessment is also presented in two separate documents – Part 1 and Part 2.

Document 20A Ref 2.7 Risk Assessment 2017 Update

See Document 19 above.

Document 20B Ref 2.7 Spill Emergency Response Plan

The organisation's Spill Emergency Response Plan was submitted together with further submissions in 2013. It is presented as a separate document.

Document 21 Ref 2.8 Training

All employees are provided with basic site training upon entering employment. Following a period of training, the employee's appointment is confirmed or otherwise.

Recommended training for categorised manual labourers.

All new entry personnel are trained for:

- **Waste classification & awareness foundation course**
- **Evacuation of premises in an emergency**
- **Vigilance for hazards, property, and personnel**

Some selected Employees are trained for:

- **Fire awareness/fire fighting**
- **First aid**

Workshop Personnel (Mechanic, Apprentice mechanic, Fitter, Welder, Technician and other persons operating in a workshop / power tool environment).

Note: Workshop personnel are qualified employees and are employed with documentation (including certificates, education and apprenticeships) proving safety awareness in handling the workshop/power tool environment.

- **Safe workshop practices**
- **Update of information on new vehicles/equipment introduced**

Yard / Shed Personnel (Foreman, labourers, fork lift drivers, sorters, bin washers, dismantlers, and other operators working in similar waste handling events)

Note: Yard & Shed personnel receive further role-specific training which may include::

- **Waste identification** Shed operators
- **WEE Waste dismantlers** Shed Operators
- **Waste sorting by recycling codes** Shed operators
- **Equipment handling** Shed & Yard operators
- **Familiarisation with and usage of Spill Kits**
- **ADR Certification** Selected staff

Truck Drivers

- **Vehicle handling** Familiarisation with and use of specific waste carriage vehicles used
- **Familiarisation with and usage of Spill Kits**

In addition to the above introductory training, drivers past their 6 month employment are further trained as follows:

- **ADR training – Transportation & handling of dangerous goods.**
- **Handling of Clinical Waste** – Selected Drivers

Administration Staff

- **Assimilation of new legislative regulations in the businesses' day-to-day running.**

The technically competent person in charge of overseeing most yard-related training is the Site Manager, under the direct responsibility of the Managing Directors Mary Gaerty, who is a qualified Dangerous Goods Safety Advisor (DGSA) and Doris Sammut, with externally held courses (eg ADR, Fire Fighting etc) being delivered by qualified personnel from the relevant authorities/organisations.

Training of employees is dependent on employees' own skills and experience and the company does not have a 'one size fits all' training policy. Each employee who is willing to train further is given the opportunity to learn further.

Training records are kept per employee with each in-house training session/seminar/training course being listed in each employee's personal employment file.

Furthermore, with regards to specific courses held on-site, an attendance form is compiled and signed by each attendee.

An example is given below:

Green Skip Services in-house training – TITLE OF TRAINING COURSE			
Employee Name	Date	No of Hours	Signature

Document 22 Ref 2.9 Cessation of Activity

PLAN FOR CESSATION OF ACTIVITIES

Overview

Green Skip Services Ltd and G.S.Rec Ltd have been active in the field of waste management since 1992 and 1998 respectively. In this time these have expanded to inlude a facility of approximately 7800m^2 at Maghtab, a fleet of seventeen vehicles, as well as processing machinery, office equipment and an inventory of bins. There is also an amount of waste stored at the facility.

Should there be a decision to discontinue activity and wind down operations, the relevant Authorities would be informed, so that if necessary permits could be altered to reflect the new status of the facility. There is no additional pollution risk entailed in the winding down of activities, as operations would simply proceed as per current working plan methodologies until such time as all material present on site is cleared.

FACILITY

The facility is laid out as per plans (REF Document 8), with an office area, garages, and covered working areas as well as a number of other structures used for storage, be it waste or stock products.
In case of cessation of activity, the facility would immediately stop accepting new material for storage and processing. Due to its size and nature, the site would immediately be placed on the market.

Waste carriage operations would continue until such time as agreements expire or clients can find alternative operators, however there would be no increase in the stockpile of recyclable material onsite. The site would be cleared of all material stored (see Waste below).
All of the buildings on site are easily adaptable to other purposes and therefore no treatment or alteration of structures is deemed necessary. All buildings are currently less than 20 years old and are covered by necessary building permits.
There are no large processing or manufacturing plants on site. All machinery is relatively small and easily removed off-site (see Vehicles and Machinery below).
Once clear, the site would be cleaned and washed, and the cess pit emptied.
The site could easily be adapted to a number of alternative purposes.

The EPS document (Document 36) gives a detailed description of the condition of the site prior to commencement of waste management activities by the current site operators. A brief description is to be found in Document 6. The site is now a viable commercial one rather than the unmanaged dumping site it was at the time and therefore could be put to use in a number of ways, not necessarily restricted to waste management and storage, although the importance of having such a site available to the local industry cannot be overstated.

Furthermore, as part of this IPPC application procedure a method statement to carry out a Baseline Report (Document 6B) has been approved by MEPA and it is understood that this procedure shall be undertaken as requested.

WASTE

Due to several types of waste being stored and processed on site, each category of waste, namely hazardous and non hazardous, would be dealt with in a different manner.

Hazardous Waste: All hazardous material stored at the facility is owned by and remains the ultimate responsibility of its generator until such time as it is certified treated or destroyed. In the eventuality of cessation of activity, should there be an active shipping contract and reciever already in place, the material would be shipped as planned. Otherwise, it would be returned to its owner as per agreement in place. All agreements for storage stipulate a storage period not exceeding 12 months, which means that should the operation start winding down shortly after the signing of such an agreement, the maximum

period for clearing the site from all hazardous waste should be 12 months. Should it be more economically feasible (ie all operations wound down and site cleared except for remaining hazardous material), all efforts would be made to relocate the material to a suitably permitted third party location, subject to owners' agreement, with Greenskip Services Ltd covering all relocation costs and any additional costs (eg storage fee) incurred by the owner until such time as the exipry of the original storage agreement.

Non Hazardous Waste: Only recyclable material is generally stored and processed ready for shipment. This could be sold or given away to any other company that has an interest in the particular material.

STOCK

Greenskip Services Ltd offers, amongst other services, the supply of bins of varying sizes, types and materials. Whilst large consignments for specific contracts (eg hotels, hospitals etc) require a specific shipment which is generally delivered directly to the client, the company keeps a selection in stock to use as samples and in order to cater for smaller orders and one-off requirements, replacements and its own requirements.

In the case of cessation of activity, the stock of bins would be sold.

Other stock such as vehicle spare parts would be sold or sent for recycling as scrap metal.

VEHICHES AND MACHINERY

All vehicles used in the carrying out of operations are standard tail lift vans and waste carriage vehicles. Therefore, whilst they have a specialist application in the field of waste carriage, it should be possible to sell them into the existing market.

Machinery used on the site includes balers, grinders, shredding machines and a generator. Once all material already present on site is processed and baled, these would be placed for sale on the local market.

OFFICE AND ADMINISTRATION

All paperwork pertaining to the internal operations of Greenskip Services Ltd would be shredded and recycled.
All client-related paperwork related to carriage of waste etc which is currently filed and stored at the premises would be packed and placed in storage until such time as the legally required storage time elapses. At that point all paperwork would be destroyed.
The offices would be cleared and cleaned. Office equipment such as printers, computers etc would be sold.
Office furniture could be sold or kept onsite as part of the facility, depending on potential buyers' requirements.

TIMEFRAMES

It is envisaged that in order to complete all the above and leave the site clear for any activity which might follow, approximately 30 weeks would be required, barring the possibility of any hazardous waste on site which cannot be relocated or returned to its owner before its storage agreement expires. In this case, the timeframe would be 52 weeks.

COSTINGS

Overview of the cost to wind down operations – income and expenditure:

Costs: Salaries, Utilities, Fuel. Site clearing: Export of material. Relocation of material. Storage space for required docs for ten years.

Income: Sale of Vehicles, Machinery, Stock, Site.

All of the above are dependent on the state of the site at the time of winding down of operations, the agreements and contracts in hand and the amount of material actually present on site.

SECTION B3 – PROPOSED EMISSIONS

Document 23 Ref B3.1.1 Waste Characterisation Summary and Historical Record of Waste

The operations of Green Skip Services Ltd and G.S Rec are covered by a number of permits, as outlined in Document 1 and waste accepted and stored on site is subject to permit conditions which the operators are bound by.

It is impossible to predict the types and amounts of waste which will be temporarily stored or processed at the site, however the submission of an annual facility report on an annual basis is part of the operator's reporting obligations. The inputs and outputs for 2016 are hereby submitted separately in Document 23A. This functions as a historical reference and is necessarily merely indicative of future figures.

Document 24 Ref B3.1.2 Measures for Waste Management, Storage and Handling

Being a waste management company/waste carrier, this is the main business carried out by the operator. Measures for Waste Management, storage and handling at the site were originally described in the Work Plan documents, (which were themselves the documents presented to MEPA in the issuing of the Waste Management Permits covering the site) and the relevant section of the EMS Manual (Document 10 – Waste Management).

The layout and general structures of the facility have been put in place with the specific requirements of storage and handling which come with certain types of materials, as backed up by recommendations laid down in the IPPC Reference Document on Best Available Techniques for the Waste Treatments Industries (BREF Guide). The guide itself does not propose to be the ultimate resource, as all operators must take into consideration their own particular circumstances and logistics requirements. Nevertheless, the BREF Guide has been used in the compilation of comprehensive procedures and methods for the site as part of this application. See Document 25 below and the separately submitted Documents 25C and 25D.

Buildings/structures dedicated to waste storage are outlined in the table in the site report and labelled in the Block Plan diagram (Documents 6 & 8 Ref 1.4.1 and 1.4.3). Operational procedures are outlined in a basic manner in the flow diagram in the Proposed Activities Section (Document 11 Ref 2.3). In-detail technical information is to be found in and described Documents 25C and D.

The site in question is used for the temporary storage of several types of waste, pending export for recycling or treatment, or pending sale into the local market or local incineration.

Non-technical Description of Waste Storage and Containment

Hazardous Liquids and Sludges

The bulk of Hazardous material stored on site is in liquid or sludge form. The correct storage of these materials is a primary issue and therefore, insofar as relevant, recommendations as laid down in Section 4.1.4 are adhered to.

These include but are not limited to:

- impervious surfaces in the storage locations
- spill containment system in place (spill trenches and reservoirs)
- sealed drainage system in place (no connection to public sewer)
- all storage areas containing hazardous waste clearly marked
- vehicular access (forklift) to entire storage area maintained so that transfer of containers is not reliant on moving other containers around
- containers are stored under cover in an appropriately vented, open ended structure with reinforced walls (BINS)
- all containers are stored in a properly closed and sealed manner
- all containers containing light and heat sensitive material are stored away from the open end of the BINS
- similar materials grouped together to minimise the risk of incompatible materials coming into contact with one another should a spill occur.
- Storing of drums in such a way that allows regular inspections and maintenance
- Replacing of containers which are no longer deemed to be fit for purpose
- Regular fire points
- Absorbent material available throughout the storage area
- No electricity supply present at any location in the BIN structures to eliminate the risk of electrical fire.

Non-Hazardous Liquids

These are generally expired or off-spec consumables such as fruit juices or wines and are stored in plastic IBC's pending pH adjustment. They are stored on hardstanding areas and are allocated space on-site as and when they are present. This type of waste is not generally present on site.

WEEE

WEEE is stored in BINS just like hazardous liquids and sludges as there is a requirement for it to be stored in a covered area. Refrigeration units which have not been de-gassed are not accepted on-site.

Plastics and Cardboard

These are sorted and baled in a covered shed but once baled are stored outdoors pending exportation.

Document 25 Ref B3.1.3 Waste Streams

As part of this ongoing IPPC permit application, all the procedures for dealing with each and every individual waste stream on site have now been updated from the Work Plan Documents (Documents 25A and 25B) as submitted with the original application in order to reflect the requirements of Best Available Techniques (BAT) as per the BREF Guides. These are to be found in two complementary documents, as already reviewed and approved by ERA, namely Waste Procedures Manual and the related Procedures and Storage Document which lists methods and requirements of waste handling and storage by EWC code. These are presented separately as Documents 25C and 25D respectively and should be read in conjunction with one another.

Document 26 Ref B3.2 Emissions to Groundwater

Hardstanding at the site is completed. This means that potential spillages can be speedily contained without seepage into the ground.

Additionally, there is a channel running along the entire row of storage sheds, this being the area most susceptible to a potential spillage, which leads to two small holding reservoirs. This means that any spillage occurring in this area of the yard, if not immediately contained, would flow into the emergency holding reservoirs. Drain covers are available to protect the site's water reservoirs in case of spills (See Document 6A2) Additional protection is afforded by Spill Bunding Strips located in relevant areas. (See Document 6A3)

The water reservoirs, the cesspit and the emergency holding reservoir are regularly checked to ensure no leakages are present and that the structures remain in good shape.

Although no discharge of any List I or List II substance according to Legal Notice 203 of 2002 is expected to take place, waste stored on-site may contain individual substances in the list. As part of this ongoing application it was therefore requested that a certificate of leakproofness (impermeability) be issued with regards to the following structures:

- Cesspit
- Storage sheds where hazardous wastes are being stored
- Reservoirs and direct links/channels.

The cesspit, channels and emergency holding reservoirs were duly tested as requested and found to be leakproof as shown in the relevant report submitted separately as Document 26A .

Levelling of the site is such that rainwater is directed to the water reservoir. Kindly cross-refer to Document 6 (Ref B1.4.1).

Kindly also refer to the Method Statement for Baseline Report (Document 6B) drawn up as part of this ongoing IPPC application.

Also, as per the EPS carried out in 1996, a sample of water from a borehole located 40m from the site was analysed and the following reported:

3.5.17 The water quality of the ground water at the site was found to be of very poor quality with the water having a high salt content (brackish water). The high salinity value limits the possible use of the groundwater to irrigation only, and this only when diluted with rainwater. Regular irrigation of the soil with the groundwater will affect greatly the soil alkalinity and salinity. The groundwater is certainly unfit for potable use since most of the chemical parameters examined greatly exceed the permissible limits. These parameters include specific conductivity, hardness, chlorides, nitrates and nitrites.

3.5.18 A high value for nitrate was registered. This value, corresponding with a relative low value for nitrites and ammonium indicate that the groundwater is oxygen-saturated. This is confirmed by the high dissolved oxygen level. The source of the high nitrate content (which when corrected for sea water intrusion represents a concentration of 85.5mg/*l*) is believed to be the spreading of liquid waste on fields at the adjacent pig farms. The high nutrient content in the waters of ponds lying in close proximity to the farms indicate the possible carry-over of nutrients from the slurry ponds to these rainwater ponds.

3.5.19 The commercial value of the groundwater in the area is therefore considered to be negligible.

The full text may be found on pages 24-25 of the EPS report.

Document 27 Ref 3.3.2 Sewer Discharge Permit

There is no sewer connection present on site, and this is not expected to change anytime in the near future. As can be seen from the site block diagram Ref 1.4.3, there is an onsite cesspit of 15,000L capacity and this is emptied on a regular basis and discharged according to directions from the Water Services Corporation. Approximately 220,000L of sewage were transported from the site in 2010. Approximately 240, 000L of sewage were transported from the site in 2016.

A Sewer Discharge Permit for the cesspit present on-site was applied for and obtained (Permit DMU 6663). This is renewable annually upon testing of effluent carried out by the Water Services Corporation. See Documents 27A and 27B.

The cesspit is also registered with the superintendent of public health, with copy of said registration being separately presented as Document 27C.

Document 28 Ref B3.3.3 Release of Schedule A or Schedule B substances

It is not envisaged that any release of Schedule A or Schedule B substance into the sewers should occur. The cesspit contents, which are eventually discharged into the sewer system as guided by the Water Services Corporation, are made up of waste water from the facility's bathrooms/taps and the collected dirty water from the washing of bins and skips.

The only bins and skips washed at the site are those used for domestic waste (catering establishments / restaurants/ hotels etc) and detergents are sparingly used.

Document 29 Ref 3.5 Emissions to Air

Currently emissions to air at the site may be characterised into 4 types:

1) Emissions to air from Vehicles
2) Emissions to air from combustion of diesel to power the generator
3) Particulate Emissions from shredding operations
4) Emissions of volatile substances during repackaging

Emissions to Air from Vehicles (Emission points- Mobile)

These are mobile sources and therefore cannot be pinpointed to one specific location on site. They are also off-site mobile sources. The vehicles are all diesel-operated and regularly serviced to maintain efficiency as high as possible.

Emissions to Air from Generator (Emission point – Fixed – Generator room)

The large on-site generator is diesel-operated and produces its own emissions. Due to the insufficient grid power at the location, the company has no option but to use the generator to power the shredder. Attention is given to running the generator at ideal loading and frequent start/stops are avoided.

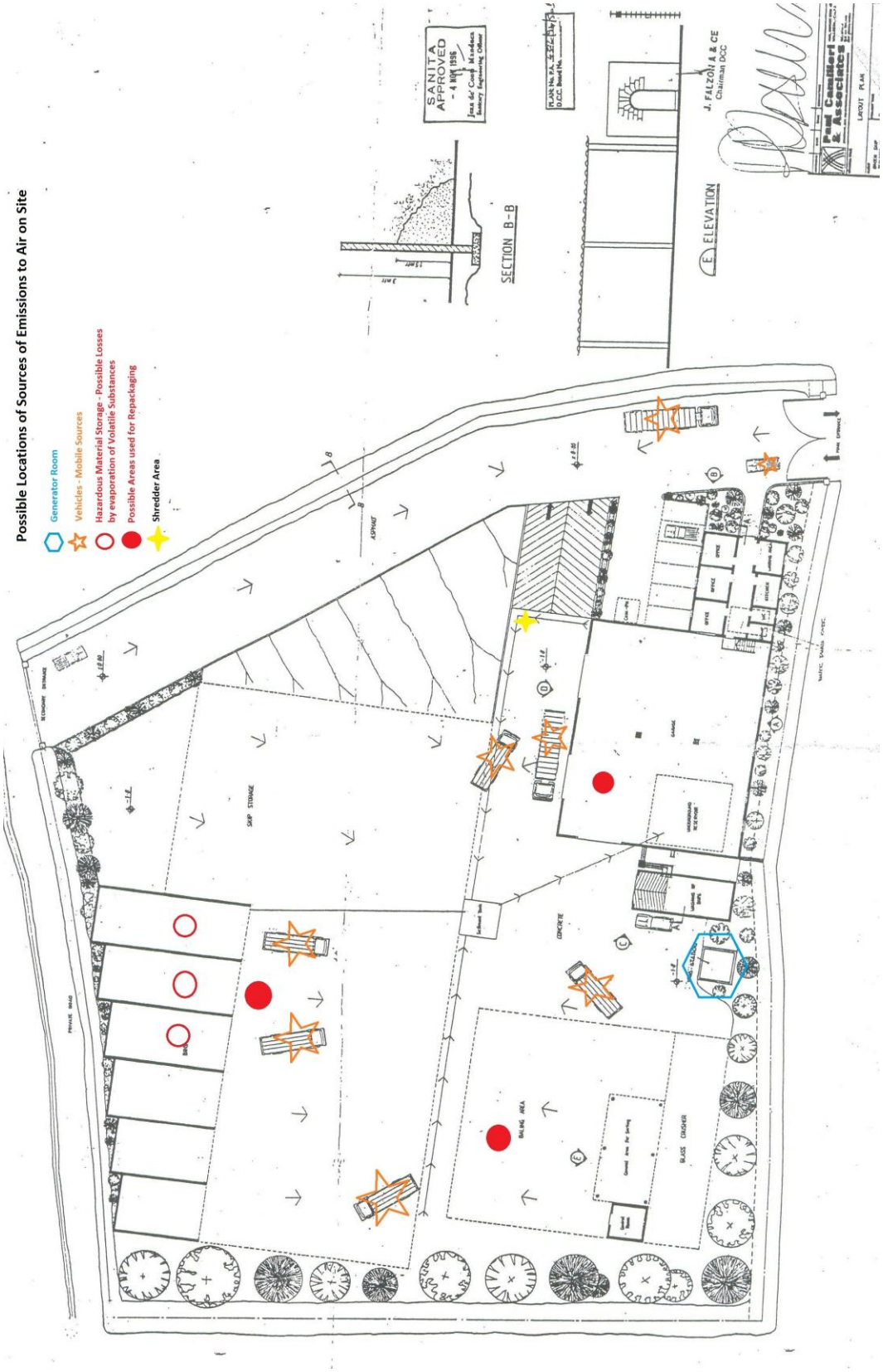
Particulate Emissions to Air from Shredding Operations (Emission point – Fixed – Shredder unit)

As previously explained, shredding operations are always bundled into larger jobs to improve efficiency. Materials which are shredded include glass, plastics, paper and wood. The shredder is also used to destroy certain types of waste such as documents and illegally imported products which have been intercepted by customs such as cigarettes and alcohol bottles. The shredding carried out is not fine shredding and therefore the resultant product is quite large and any particulates produced in the process are not fine powders.

Emissions of Volatile Substances During Repackaging (Emission points – may vary according to operational requirements)

The company stores and exports on behalf of its clients substances and by-products of industrial processes which cannot be treated locally. Although clients are obliged to properly package these materials, containers may sometimes need to be changed either because of accidental damage, degradation or because they are stored in a number of small containers and it becomes more economically feasible to export them if they can be repackaged by combining into a larger container. These have, on occasion, included solvents which may be volatile. Operations of this kind are few and far between, therefore not a significant source of emissions to air.

Block Plan Showing typical Emissions to Air points



Document 30 Ref B3.6 Emissions to Land

No emissions to land are envisaged given the impermeability of the flooring in the relevant areas and the certified leakproofness of the holding reservoirs and the cesspit. (See Document 26A – Certificate of Leakproofness).

Furthermore there is hardstanding surfacing at all of the site and methods in place to deal with any spills. Employees are trained in the use of spill kits and in the case of liquids an emergency reservoir is in place to facilitate recovery operations. Kindly cross refer to Document 6 Ref 1.4.1, and associated Documents 6A2 and 6A3, as well as Document 20B -Spill Emergency Response Plan Ref B2.7.

Kindly also refer to the Method Statement for Baseline Report (Document 6B) drawn up as part of this ongoing IPPC application.

Document 31 Ref 3.7 Noise

Summary

During the compiling of the EPS before the site became operational in 1996, a noise survey was carried out and included in the report. Taking the location of the site into consideration, this being so close to the Maghtab landfill which attracts significant heavy vehicle traffic and itself being in an industrial area, it was concluded that due to high levels of background noise, the noise impact from the site would be negligible. See excerpt below:

5.5.1 The control of noise at any waste management facility is an important aspect in the reduction of environmental disturbance. Although it is anticipated that, due to the high existing background noise levels, there will be a negligible noise impact from the sorting yard it is recommended that noise monitoring be undertaken as part of the post-completion audit.

The full text may be found on page 55 of the EPS document.

Main Sources of Noise

The following table lists all main sources of noise and vibration present on site:

Source	Noise at 1m	Frequency	Housed
Waste-carriage vehicles moving through site	Varies	High	Outdoors
Generator	90dB	Intermediate	Own shed
Shredder	90dB	Intermediate	Outdoors
Baler	72 dB		Indoors
Forklift	85dB	High	Out/Indoors
Glass Crusher	72dB	Rare	Outdoors
Grinders	90dB	High	Indoors

High- Several times per day - Intermediate – Once –Twice per day - Infrequent- 3-4 times per week
Very Infrequent – 1-2 times per week - Rare – less than once per week

The EPS presented with this application contains the following which may be viewed on pages 49-52 of the EPS document:

4.8 Noise Impacts

4.8.1 The proposed development has the potential to increase noise levels in the area of the site in three ways:

- traffic noise;
- construction noise; and
- operational noise

Traffic Noise

4.8.2 In order for there to be an audible increase in noise levels there needs to be a noise increase a 3dB(A), equivalent to 50% increase in traffic movement. In view of the number of vehicles currently visiting Maghtab Landfill and the current site as well as local traffic using the road, it is highly unlikely that the extra vehicles (mainly small vans and private vehicles) will exceed

50% of the existing traffic volume. As such, noise impacts from this source will be insignificant.

Operational Noise

4.8.5 The development has the potential to generate noise from the following sources:

- vehicles movements
- compactor,shredder and crusher unit
- emergency generator

Vehicle Movements

4.8.6 Traffic movements associated with the site are discussed in paragraph 4.8.2; this section concludes that it is highly unlikely that vehicle movements would cause a noticeable increase in ambient noise levels.

Compactor, Shredder and Crusher Units

4.8.7 Use of the compactor, shredder and glass crushing units is likely to be sporadic and for short periods of time. The likely sound power level for these equipment will be of the order of between 80 and 90dB(A) (at 1m distance). The noise generated by these units will be attenuated by the presence of the perimeter wall, the distance to the nearest sensitive receptors and the existing noise generated by the Maghtab Landfill and as such is not likely to be discernable above the existing ambient noise conditions.

Emergency Generator

4.8.8 While the electricity required at the site will be made available from the nearest mains power supply, the potential for power failures exist; this necessitates the need for a generator on site to provide an emergency power source. The generator will be located within the garage building which will provide adequate sound insulation in the event of a requirement to use the generator.

One must bear in mind that this study was carried out in 1996 before the site became operational. It was later discovered that the electricity from the grid could not power the shredder so rather than an 'emergency' backup, the generator is a necessity for the operation and running of equipment on site. Its use is however kept to the bare minimum required.

Noise Control Measures

The perimeter wall around the site attenuates noise produced through the operation of the facility. Besides, the shredder is located in a dip in the terrain between the large garage and the storage sheds. This helps to further attenuate the shredder noise which is the most significant source of noise from the operation of the site. The generator is housed inside its own dedicated stone room and effective noise from its operation is negligible. Apart from the shredder and glass crusher, all other equipment is housed indoors. This further attenuates and significantly limits the noise reaching off-site locations.

Nearest Noise Sensitive Locations

There are no residences adjacent to the site under application. The closest, as measured using Google Earth Ruler tool and MEPA online mapserver tool, can be seen on the attached aerial photo and is located 210 metres away. There is a pig farm adjacent to the site towards the West. The closest sheds are located 65 metres away from the shredder unit and separated from it by the boundary wall, the sheds as well as the walls belonging to the farm itself. Distances are measured from the shredder unit rather than the centre of the site as that is the most significant source of noise present on-site.

Document 32 Ref B3.8 Monitoring (To be Assessed by ERA)

During the preliminary meeting held at MEPA to discuss this application, this section was discussed and the conclusions drawn at the time were that the requirements for monitoring procedures would be assessed at a later stage. The site is located on doorstep of the Maghtab landfill facility, itself a major source of dust/pollutants, not to mention the heavy traffic generated in its use. There are adjacent farms (pigs and horses) themselves a source of odour/VOCs. A high traffic road (coast road at 1km distance) and other industrial operations in the immediate vicinity v are further sources of pollutants in the area. Furthermore, the WasteServ civic amenity site is located next door. Any monitoring undertaken would assess the general situation pertaining to the site and its immediate neighbourhood, however ascertaining the real source of each individual pollutant, be it dust, VOCs, noise etc would necessarily be a tall order given the numerous and varied sources of each in the immediate neighbourhood.

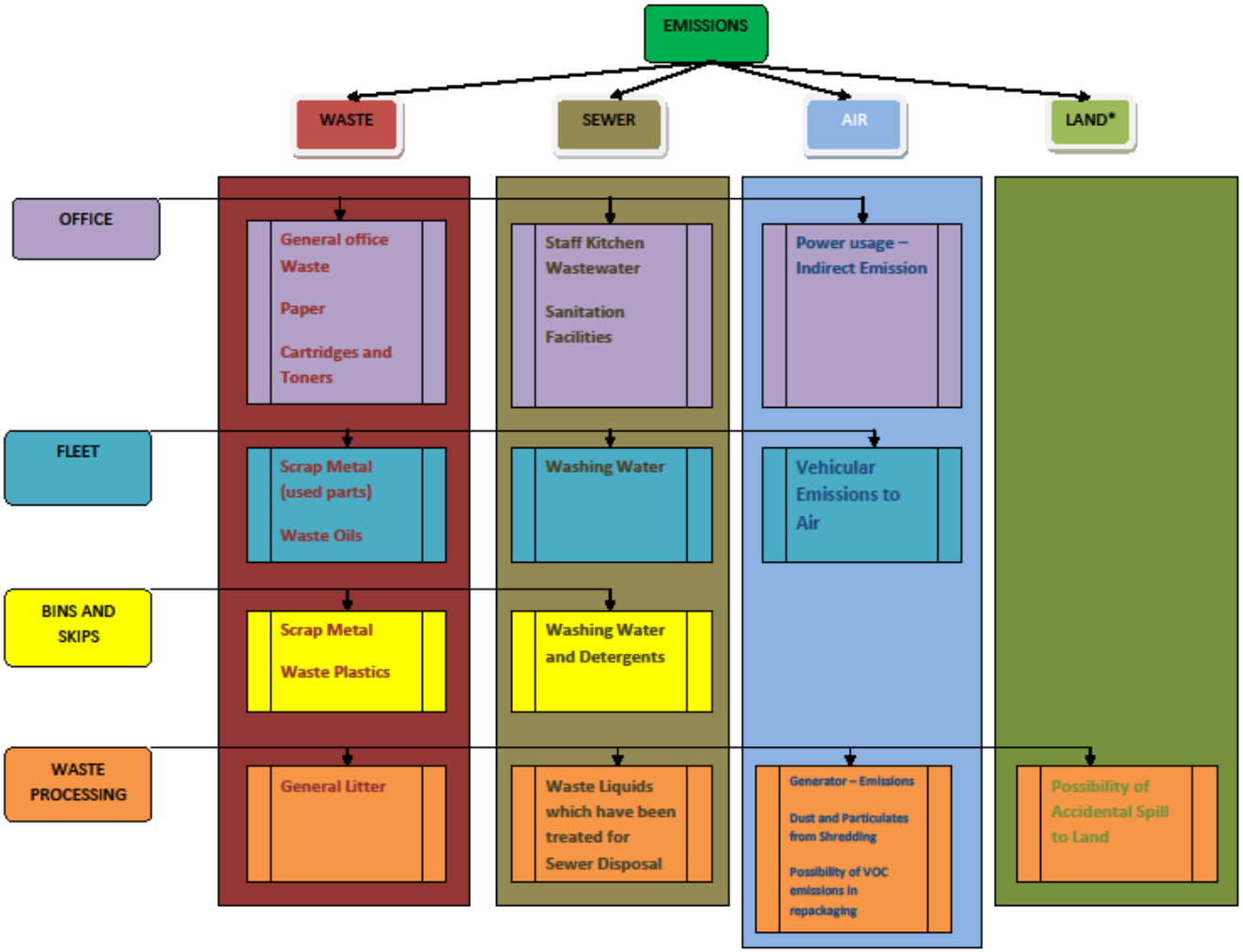
Although the site does store hazardous material on location, some of which may consist of volatile liquids, these are, in the large majority of situations, kept in their original containers which meet specifications and requirements for transport by road and sea, and therefore not likely to result in any losses. In the unlikely event that any material needs to be repackaged, the hot summer months are generally avoided for this kind of operation in order to minimise emissions from volatile substances. However, these operations are neither the norm, nor do they occur regularly, so while air monitoring during one such operation might yield interesting data, regular monitoring campaign in this regard, also because each operation is individual both in terms of substances being transferred, methodology, containers as well as environmental factors (temperature, winds etc) which would have a bearing on the result.

Particulates/VOCs which are a result of vehicular emissions are present on site, however the real source of these, and the percentage contribution by the company's own fleet of vehicles would be impossible to ascertain. Dust on site may be attributed to a number of sources, the nearby landfill and fields being major generators and again, the real sources would be impossible to ascertain.

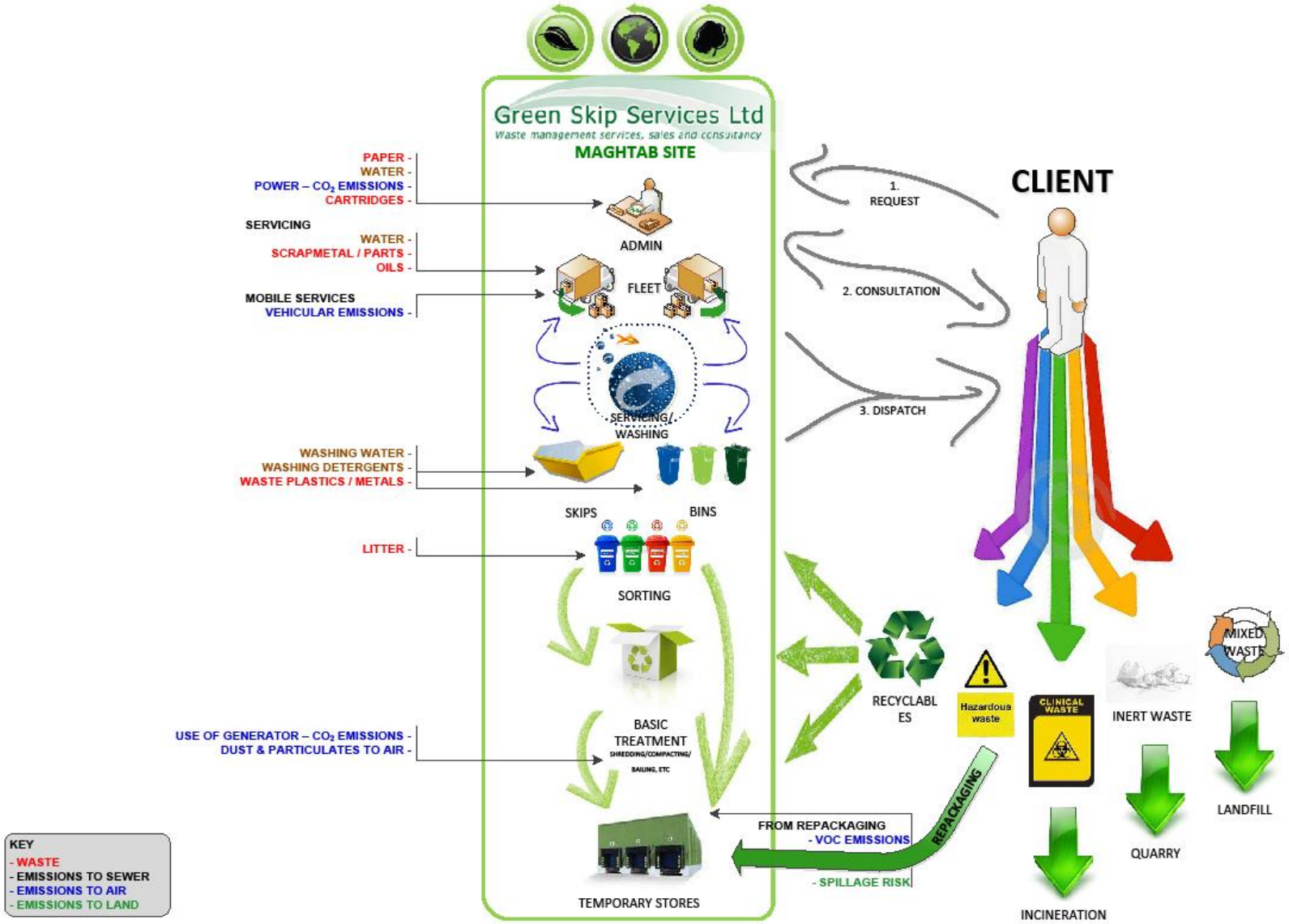
Feedback from MEPA following the original submission of this application indicated that if any monitoring was required, this would be stipulated as part of the IPPC permit conditions. Thus the applicant will be guided by ERA as to what kind of ongoing environmental monitoring, if any, is required as part of the IPPC permit conditions.

Document 33 Ref B3.9 Summary – Flow Diagram

Flow diagram summarising all emissions and waste streams as discussed in B3.1- B3.6:



ENVIRONMENTAL ASPECTS AND IMPACTS



Document 34 Ref B4.1 Environmental Effects

The EMS Manual Document 19 – Environmental Aspects and Impacts outlines the foreseeable effects on the environment brought about through the operation of the site.

Document 35 Ref B4.2 Effects on Other Sites

No effects on any other site are anticipated.

Document 36 Ref B5 EPS Document

An EPS was commissioned prior to the development of the site in 1996 as required at the time by the permitting authority (Planning Authority) for the issuing of a permit for the development of the site. A number of references to this document have been made throughout this application. Due to its size the document is submitted separately in its entirety.

Quoting from the introduction section of the EPS:

"This Environmental Planning Statement has been prepared by Rust Environmental in association with Advanced Industrial Systems Ltd (AIS) to accompany a planning application by Green Skips Services Limited for the erection and operation of a public waste utility site at Maghtab Malta."

The application in question, namely, PA/04322/94 was approved in November 1996. Any relevant decisions may be viewed in the permit conditions.

As part of this ongoing IPPC application, further clarification regarding the sediment trap mentioned in Section 4.2.7 of the EPS document was requested. This was included as part of the site description in Document 6.

Document 37 Ref B9 Technically Competent Persons
Responsible Person 1

Mary Gaerty - Joint Managing Director – Co-Founder of Green Skip Services Ltd in 1992.

Skills Summary

- Project Management
- Logistics
- Report Preparation
- Professional Presentations
- Customer Services/Client Relations
- Sales and Marketing
- Qualified Dangerous Goods Safety Advisor (DGSA)
- ADR Licensed
- Chartered Member of the Institute of Wastes Management (CIWM)

Professional Experience

Since 1996 – Co-founder and Joint Managing Director of G.S. Rec Ltd

G.S. Rec Ltd was set up as a venture to overcome the local shortage of recycling facilities, which meant tonnes of potentially recyclable materials were being disposed of in landfill facilities. The company, operating in tandem with Green Skip Services, collects, sorts, pre-treats (eg washing or shredding), packages and stores recyclable materials until sufficient for cost-effective transportation to a country where it may be recycled. G.S.Rec Ltd is proud to have been involved in the export of over 1500 tonnes of recyclable waste which would otherwise have been landfilled.

Since 1992 – Co-founder and Joint Managing Director Green Skip Services Ltd

The company was originally set up to offer industry and private clients alike the option of a complete waste-management service. The company introduced the concept of skips and large wheeled bins for use in industry and the private sector.

Partial list of Courses, Workshops and Seminars attended

May 2008 Certificate Course by ADI Consultants (EU Program) in Environmental Management Systems

November 2002 Certificate Course by CIWM-UK in Clinical and Hazardous Waste Management

1998-2000 Completed 2 years of a 3-year Diploma in Environmental Management (resigned due to ongoing work commitments)

June 2003 and June 2008 Workshops by the Chartered Institute of Wastes Management UK including:

Waste Management, Hazardous Waste, Recycling, Kerbside Collection, Environmental Legislations; EU Directives, WEEE

2006 Certificate course offered by ETC – Train the Trainer

Dangerous Goods Safety Advisor Course – Transport Malta

Courses/Training Given

2008 *Waste management* – Foundation for Business Development

2008 *Hazardous Waste Management in Practice* – Malta Environment and Planning Authority/EU

2007 *Entrepreneurship* - Foundation for Human Resources Development

1997 *Waste Management* (Distance Learning Speaker) - University of Malta

Professional Memberships

Individual Member of the Chartered Institute of Wastes Management UK – 1995 - present date.

Member of Malta Chamber of Commerce Enterprise and Industry – 2009 - present date.

Member within the Environment committee from 2009- present date.

Member of Federation of Industry – 1996 - 2009 (now merged into MCCEI)

Vice Chairperson of the Environment working group within the FOI from 2004-2008,

Paris Seminars and workshops representing FOI: June 2004

MEUSAC meetings prior to Malta's EU entry, representing FOI Env. Grp: 2003-2004

Member of Chamber of Commerce – 1996 - 2007 (now merged into MCCEI)

Other

President of the National Council of Women

Responsible Person 2

Ondine Gaerty – Director – Environmental Consultation Since 1998

Professional Experience

Greenskip Services Ltd – Director (1996- Present Date)

Provision of ongoing consultancy with respect to environmental issues/logistics.

Global Executive Search Malta Ltd – Director (2000-Present Date)

Education

University of East London/ Wales Centre for Alternative Technology- M.Sc Architecture – Advanced Environmental and Energy Studies

University of Malta – LLB (Hons) – Completed in 2017

University of Malta – Completed M.Sc qualifying in 2008

University of Malta - Bachelor of Science – Chemistry and Physics.

Universitas Studiorum Melitensis

Omnibus Scriptis, disciplula huius Universitatis, cum studiorum curriculum in **Chimica et Physicis** peregisset, periculis praescriptis sat bene factis, testimonium sui progressus tam clarum dedit, ut digna existimata sit quae anno MCMXCVII inter laureatos inscriberetur ad Gradum Baccalaureati aptatos **magna cum laude**.

Quam, igitur, potestate nobis commissa consuetudineque praeteritorum, ad hunc gradum honoremque promotam, nomine Baccalaureae in Scientiis alloquimur.

Melitae, in Studiorum Universitate, a.d. X Kal. Dec. a.D. MCMXCVII.

a Libellis

Rector

a Secretis

University of East London

It is hereby certified that

Ondine Gaerty

having duly satisfied all prescribed conditions was

on

19 June 2015

duly admitted to the degree of

Master of Science

with Merit

having followed an approved programme in

Architecture: Advanced Environmental and Energy Studies

The certificate should be read in conjunction with the University Diploma Supplement giving further details of the programme of study

1340860/1

Vice-Chancellor

Chair of Board of Governors

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Document 38 Ref B10 Expenditure Plan

Monitoring (emissions/discharge and ambient monitoring)

As discussed in section B3.8, the monitoring requirements for the site are still to be assessed.

Clearing the Installation (including drainage) of all wastes

The cost of clearing the installation of all wastes is subject to the amount of waste present on site at the time of initiation of clearing, as amounts do tend to vary. Taking into consideration the current state of the site, the cost for clearing all waste would be as follows:

Recyclable waste

Labour costs for packing all recyclables into four 40 foot containers- Approx 200Euro

Cost of shipping four 40 foot containers to receivers – 4800 Euro

Hence the total cost of clearing the site from all recyclables would be approximately 5000 Euro, however the company makes a profit on this (payment from receivers) hence the final balance would actually be positive.

WEEE waste – currently on site

The cost (and profit) involved in this depends on whether the waste would need to be cleared hastily. If the operation were to be time barred with only a small operational window available, the waste would need to be packaged onto pallets and shrink-wrapped and shipped in its current state (ie not dismantled and shipped entirely as hazardous waste) which would incur a total cost of approximately 8000 Euro with no expectation of a return.

If this operation were to be carried out, as planned, over a period of time, factoring in labour costs and shipping of the hazardous part of the material and non-hazardous elements, the cost involved would rise to approximately 12,700 Euro. However in this case there would be a final profit involved.

Hazardous material (solvents, sludges etc)

As previously discussed, the generators of this type of waste remain the owners until the waste is shipped and certified destroyed, reclaimed or treated. The waste is therefore stored at the facility for safekeeping only until such time as it can be shipped.

Clearing the site of all material present therefore would entail the cost of local transportation (paid for by the owners) in case of relocation, or shipping (also paid for by the owners) in case of an end receiver being available.

Drainage

Since there is no sewer connection on site, clearing the site from drainage would involve the complete emptying of the cess pit. At 15, 000L this would involve two trips by the company's normal carrier. The cess pit could then be half filled with clean water at high pressure and re-emptied.

Costs involved 3X trips by sewage carrier plus 6,000L of second class water for a total of – approximately Euro 200.

Remedial Action in the event of Failure of Pollution Control Systems

As per current operations, the only scenario where failure of pollution control systems could result in an incident would be a spill in the hazardous waste holding area. As previously discussed individual containers hold a maximum of 1000L (IBC's). Most containers are in actual fact smaller drums.

A complete spill from one an IBC would be dealt with using absorbent material which would then be packaged into 2 new IBC's (due to increased volume). This would then be treated as hazardous material. Taking into consideration a worst case scenario where the spill reaches the spill gutter and contaminates the spill holding reservoir, this would also entail washing of the gutter and the reservoir. However in this case the waste could then be pumped into a new IBC and the wash-water from the cleaning operations would fill another IBC. In either scenario one extra IBC of waste would be generated.

The cost this would entail would be as follows:

Cost of 2 new IBC's – 70 Euro

Cost of disposal of 1 extra IBC – 850 Euro

In the case of spill collected using absorbent – 100 Euro

Labour costs – 60Euro.

Total costs involved – 1080 Euro.

Expenditure Plan Summary – all costs in Euro			
Monitoring			
Monitoring requirements are still to be assessed and therefore costs involved cannot be presented until assessment is carried out.			
Clearing the installation of all wastes		**Estimated Cost**	**Return Expected**
Recyclables		5000	Yes
WEEE		8000* or 12700	No/Yes
Hazardous		Borne by owner	
Drainage		200	No
Remedial Action in the event of failure of pollution control systems			
Cleanup operation from IBC spill		1080	No