

WORK PLAN

Recuperation and Recycling Facility G.S. Rec Ltd (Maghtab)

Ref. No. WM 00003/07

CONFIDENTIAL INFORMATION – NOT FOR PUBLIC DISSEMINATION

Work Plan

Recuperation and Recycling Facility of Waste including WEEE

April 2008



ais environmental ltd.

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1. INTRODUCTION

- 1.1 G.S. Rec Ltd. was registered as a private limited liability company on the 8th March 1995 and started operating from its location at the Green Skip Services Site in February 2003. The company specializes in the reclamation of materials from waste, namely wood, glass, paper, plastics, metals, cardboard and electronic and electrical waste.
- 1.2 GS Rec Ltd. has applied for a Waste Management Permit for the Recuperation and Recycling of waste (including WEEE) as made necessary by regulation (9) of the Waste Management (Permit and Control) Regulations (LN 337 of 2001). The application reference is WM 00003/07.
- 1.2 This work plan is being submitted to MEPA as part of the procedure to obtain such permits and in response to terms of reference (ToR) outlined by MEPA itself in correspondence of the 28th August 2007. The ToR can be found in Appendix G.
- 1.3 The structure of this document follows the work plan content outlined in the ToR.

2. RELEVANT LEGISLATION

2.1 EC Directive on Waste Electrical and Electronic Equipment (WEEE)

The Waste Electrical and Electronic Equipment Directive (WEEE Directive) aims to minimize the impact of electrical and electronic goods on the environment, by increasing re-use and recycling and reducing the amount of WEEE going to landfill. It seeks to achieve this by making producers responsible for financing the collection, treatment, and recovery of waste electrical equipment, and by obliging distributors to allow consumers to return their waste equipment free of charge.

2.2 LN 63 of 2007: Waste Management (Electrical and Electronic Equipment Regulations)

These regulations transpose the provisions of Directive 2002/96/EC of the European Parliament and of the Council of 27 January 2003 on waste electrical and electronic equipment (WEEE) as amended by Directive 2003/108/EC of the European Parliament and of the Council of 8 December 2003.

The purpose of the legislation is, as a first priority, the prevention of waste electrical and electronic equipment (WEEE), and in addition, the reuse, recycling and other forms of recovery of such wastes so as to reduce the disposal of waste. It also seeks to improve the environmental performance of all operators involved in the life cycle of electrical and electronic equipment, such as producers, distributors and consumers, and in particular those operators directly involved in the treatment of waste electrical and electronic equipment.

These regulations provide additional measures, procedures and guidance to those in the Waste Management (Permit and Control) Regulations, 2001.

2.3 LN 337 of 2001: Waste Management (Permit and Control Regulations, 2001)

These regulations control all operations relating to the production and management of waste and promote sound waste management practices so as to safeguard human health and the environment. They transpose Council Directive 91/689 on Hazardous waste and Council Directive 75/442 on waste.

This legislation relates to permits needed for any person proposing to:

1) set up and operate an undertaking included in Schedule 7. Schedule 7 include the following undertakings that need a waste production permit:

- Energy Industries
- Production and processing of metals
- Mineral Industry
- Chemical Industry

- Other activities including industrial plants, pre-treatment plants, slaughterhouses ship repairs etc.

2) undertake a waste management activity

The Competent Authority shall seek to ensure that waste is produced and managed without endangering human health or harming the environment

- without risk to water, air soil, plants and animals,
- without causing a nuisance through noise and odours
- without adversely affecting the countryside or places of special interest or value.

Any holder of waste who is in charge of any of the above undertakings shall be responsible for managing the waste and for ensuring that it is managed in accordance with these regulations. Any holder of waste shall:

- 1) ensure that waste is safely stored and presented for collection,
- 2) ensure that waste is produced and managed by a person who has a permit
- 3) Deposit any waste in an authorized waste management site

All persons undertaking waste disposal and waste recovery operations, including holders of hazardous waste shall keep a record of:

- 1) quantity and nature of wastes disposed or recovered
- 2) the origin and frequency of collection, the destination, mode of transport and treatment of such wastes

The Competent Authority may order waste producers listed in Schedule 7 to submit a waste management plan on a periodic basis.

No person may mix the different categories of hazardous waste or mix hazardous waste with non-hazardous waste unless:

- 1) Such mixing would not increase the potential harm to the environment or human health.
- 2) Such mixing would improve safety during disposal or recovery
- 3) Prior approval has been obtained.

Holder of Hazardous waste shall ensure that whilst managing hazardous waste such waste is securely packaged and labeled according to national and international standards.

Hazardous waste that is transferred within the Maltese territory or waters shall be accompanied by a coded hazardous waste consignment note.

2.3 LN 106 of 2007: Waste Management (Activity Registration) Regulations, 2007

These regulations provide additional measures, procedures and guidance to those in the Waste Management (Permit and Control) Regulations, 2001. In particular they provide guidance as to the type of waste related activities which may be permitted.

These regulations grant permission for the classes of activities described in Schedule I, subject to all relevant exceptions, conditions, restrictions rules, limitations and exclusion.

2.4 The Structure Plan (1990 – 2010) for the Maltese

The two main concerns of the plan include:

1. Resource creation and
2. Resource Management and Protection

The project therefore falls under the latter section and is in keeping with the policies laid out in the Structure Plan.

2.5 Space for Waste: The Waste Management Subject Plan

The purpose of the Waste Management Subject Plan (this 'Plan') is to provide strategic direction and context to guide both Government and the private sector in waste management issues over the period to 2010.

Article 6.10 states that 'Permission will normally only be granted for permanent waste recycling, processing, storage and transfer facilities at locations which are appropriate for the siting of industrial development of this nature, and which meet and maintain the environmental standards set out in specific plan policies.'

2.6 The Solid Waste Management Strategy for the Maltese Islands

In conformity with Government's underlying commitment to have this Strategy serve as an effective means towards the protection of human health and the environment, it is important that we understand the concepts and vision behind it, namely those concerned with the requirements for :

- an integrated approach to waste management;
- a reduction in the quantity and hazard of waste arisings;
- higher levels of re-use;
- increased recycling and composting;
- the possible further development in energy recovery technologies (e.g. anaerobic digestion);
- safe disposal of residues which cannot be otherwise managed;
- greater public participation in the decision making process.

2.7 Other International Obligations

The relevant EU directives have been discussed above, as transposed into local law by legal notices. Malta is a signatory to a number of international conventions and agreements which seek to protect the environment. Of particular importance are those which relate to waste handling and disposal.

- The London Convention on the Prevention of Marine Pollution from Wastes and other matter

3. SITE DETAILS AND INFORMATION

3.1. Applicant Details

Name: Mary Gaerty, for and on behalf of GS Rec Ltd. in her capacity as Joint Managing Director and as duly authorized, as the person responsible for the site.

Address: GS Rec Ltd.,
Unit 1, Ta' L-Imriekeb
Ramla Road,
Maghtab,
Naxxar,
NXR 6540
MALTA

Telephone: 21422009

Fax: 21422029

Email: mgaerty@kemmnet.net.mt

3.2 General Background

3.2.1 G.S. Rec. Ltd. started operating in February 2003, from its location at the Green Skip Services Site. The company deals with the reclamation of materials from the packaging waste stream and other general waste streams, for re-use and recycling and from waste electric and electronic equipment (and other possibly hazardous material from which materials could be recuperated) and export of same.

3.2.2 The directors of the company are regular participants and contributors at seminars and conferences held both locally and overseas. The company directors keep abreast with developments in Wastes Management through activities of the Chartered Institute of Wastes Management of UK, amongst others, of whom Green Skip Services Ltd. is an affiliate member. The directors are also individual members.

3.3 Site Location Plans

3.3.1 GS Rec Limited operates from a site owned by Green Skip Services Ltd, which covers an area 7,800m², with both companies sharing this facility. This site is located in close proximity to the Maghtab Waste Management Complex entrance, and the Civic Amenity site, managed by Wasteserv and is over 500 metres away from any habitable

buildings. A pig farm lies approximately 150 metres to the North West. There are no adjoining buildings belonging to third parties except for undeveloped land on all four sides of the site. A short private road leads from the public road to the site (see site plan attached as Appendix A).

- 3.3.2 The facility has administration offices, a warehouse for storage, a generator room, garage, sorting area, washing area, parking, treatment of waste area, repackaging and storage of hazardous materials area and storage of recuperated materials (which will later be exported for recycling) parking and meter room.
- 3.3.3 The facility is covered by a full development permit for a Materials Reclamation Facility and related services which was granted in 1996, PA 4322/94/DC01.

3.4 Facility - General

3.4.1 Facility Description

The following buildings and facilities are located within the site boundary:

- Reclamation Area
- Walled sheds for storage of reclaimed materials waste paper and cardboard
- Parking spaces for employees and visitors
- Office accommodation
- Shredding/grinding and baling and packing area
- Sorting area
- Area for temporary storage of processed recyclable waste (for export)

Appendix H shows a detailed plan of the site layout and organization.

3.5 Description of process

- 3.5.1 G.S. Rec specializes in the reclamation of materials from waste, namely wood, glass, paper, plastics, metals, cardboard and electronic and electrical waste and any other materials that could be recuperated. Waste is received already sorted by material or type. A visual inspection of the incoming waste is carried out and further sorting carried out if necessary. Depending on the material, it is then routed towards shredding/grinding/crushing/baling. The materials are mainly exported, but there is also a small percentage of local trading. A schematic description of the process can be found in Figure 1.
- 3.5.2 The primary processes include, crushing, shredding, baling and granulating. An extension program, covered under the original application, was planned for the year 2007 and is currently underway,

involving the local industry and households for the further promotion of reclaiming a higher quantity and quality of materials.

3.6 Hours of Operation

3.6.1 The facility operates on:

- Weekdays (Monday to Friday) from 7.00 to 17.00 (Work shop at 7.00 and offices at 7.30)
- Saturdays from 7.00 to 14.00
- Vehicles start their schedules at 2.00am everyday and also enter and leave the facility on Sundays and public holidays (although the facility itself does not operate on these days, except under exceptional circumstances).

3.7 Quality Control and Assurance

3.7.1 A QA/QC system will be implemented, following international standards for facilities of this nature.

3.7.2 Routine technical activities, to measure and control the quality of the operations and to ensure integrity of all equipment and procedures will be employed. Relevant checklists will be complied along with the process so there will be documented records of all procedures.

4. FACILITY OPERATIONS

4.1 *Processing of waste*

- 4.1.1 G.S Rec Ltd. receives waste which is pre-sorted by material and type. Namely wood, glass, paper, plastics, metals, cardboard and electronic and electrical waste and other materials. A visual inspection of the incoming waste is carried out to remove any contaminants from the materials e.g. plastic from glass.
- 4.1.2 Following this, there is further sorting of different types of each of the materials for recycling. The identification of the individual materials takes place by manual and visual inspection of the waste. This also involves the removal of any contaminants which were previously overlooked – e.g. food contamination on cardboard. This ensures the quality of the final product.
- 4.1.3 Depending on the material, it is then routed towards shredding/grinding/crushing/baling/packaging. These different materials are then each handled separately as described below. Predominantly the process involves baling/shredding of recuperated materials and the reuse of recuperated materials by processing them into a marketable product for local or export sale. Details of equipment used in the different processes can be found in Appendix B.
- 4.1.4 The material is then prepared to be transported off-site for further treatment by third parties. The materials are mainly exported, but there is also a small percentage of local trading.
- 4.1.5 The following is a description of the various types of equipment used in the facility.

Machinery used for the processing of waste includes the following:

- Two grinders
- 1 HD Shredder
- Baler
- Compactor
- 1 Generator
- Compressors
- Maintenance tools
- 1 Fork lifter
- 1 Power Washer

4.2 Processing of different waste materials

4.2.1 The G.S. Rec. Ltd. staff is specially trained in order to be able to identify the following waste materials:

- Wood
- Cardboard/Paper
- Glass
- Metals
- Plastic
- WEEE
- Other Materials

Figure 1.1 illustrates the treatment each different type of waste receives at the facility.

4.2.2 Wood

The source for wood predominantly arising from discarded wooden pallets and boxes (packaging) and timber from the construction industry. Pallets that are repairable are fixed for re-use. The remaining scrap wood is sawed into firewood and packed in 25kg plastic bags for resale.

Off cuts and small wood pieces that are not suitable to be turned into fire logs are shredded into wooden chips which are used in agriculture to enrich compost and used as mulch as weed controller.

4.2.3 Textiles

The source for textiles is the manufacturing industry and disposed clothes. These are then shredded, baled and exported.

4.2.4 Paper & Cardboard

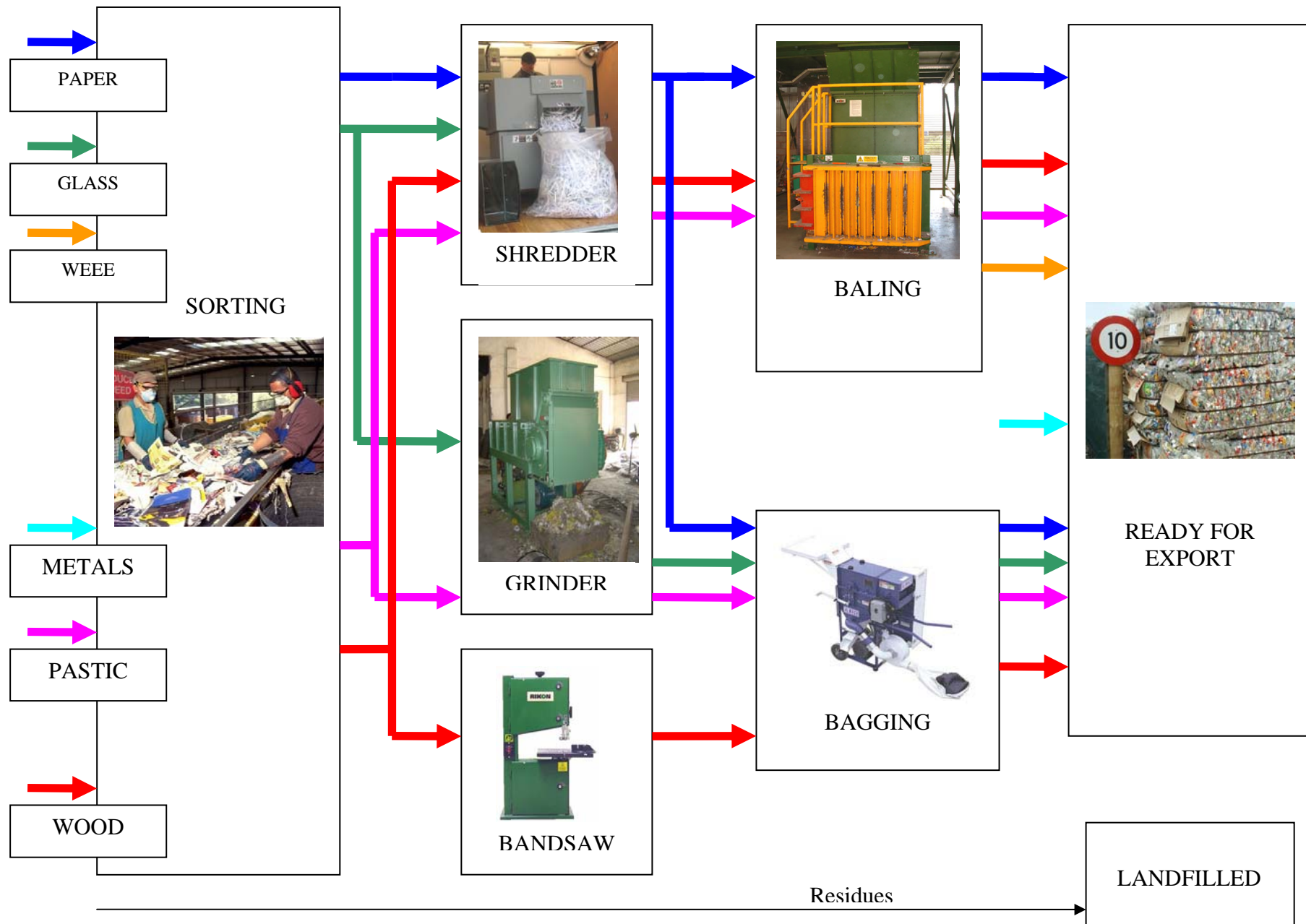
Waste cardboard arises from discarded carton boxes. Cardboard is compacted, baled and exported. Cardboard is shredded to produce two main products. 1) 'fill-in' packaging material (substituting expanded polystyrene and bubble-wrap), and 2) animal bedding

Waste paper arises mainly from discarded newspapers, magazines and books. Paper is shredded to produce two main products. 1) 'fill-in' packaging material (substituting expanded polystyrene and bubble-wrap), and 2) animal bedding. The rest is exported.

4.2.5 Glass

The facility receives two main types of glass: Sheet glass and bottle glass, which are treated and processed separately due to the fact that sheet glass may contain some metal or plastic components. Bottle glass is crushed or shredded and sold shredded for use in road construction, as backfill, instead of gravel or sold as mixed cullet. Sheet

Figure 1.1: Description of the Process



glass is utilized in the same way as bottle glass but the two cannot be mixed when being sent for recycling into a new glass product.

4.2.6 WEEE

Waste electronic and electrical equipment is handled in accordance with Legal Notice 63 of 2007. The transportation of WEEE is governed by MEPA procedures CP and CN forms as from 2005. The CP is a Pre Notification form- notifying MEPA that there is a requirement to transport waste from point A to point B. At this stage a permit is issued by MEPA. Once the permit is granted, a CN form needs to be filled and sent to MEPA to notify them that the activity shall be carried out on a particular day. This procedure is rigorously followed by GS Rec, and the necessary forms are filled out, as per sample in Appendix C.

The main WEEE includes computers, fridges and cookers, small domestic equipment, air conditioners, small and larger industrial equipment, etc. Once the WEEE arrives at the site, it is separated according to the 10 WEEE categories. The main categories dealt with are Categories 1 -4, however all ten categories of WEEE are accepted at the facility.

Category 1 and 2 WEEE (Small and large domestic appliances) – mainly fridges and cookers - are transported by skip to local scrap merchants.

Category 3 and 4 WEEE is packaged for transport and stored pending export. All tracking forms are duly filled in. All other WEEE is packaged accordingly.

Presently there is no degassing or depollution taking place on site, though it is not excluded that this may take place in the future.

All WEEE is packaged suitably for export, See Figure 1.2. This depends largely on the requirements given by the receiving facility. Standard procedure involves placing WEEE in large cardboard boxes. These are then palletised and shrink wrapped.



Figure 1.2: WEEE Packaged for export

4.2.7 Metals

Metals are received from many sources, including packaging, construction and manufacturing sectors. These are further sorted into ferrous and non ferrous (Copper, Aluminum and Tin, etc) which are then traded on the market.

4.2.8 Plastic

Plastic is received from various sectors, including packaging, construction and manufacturing. Due to the various types of plastics produced, the successful recycling of such materials depends on meticulous sorting into the various material types, for example: PC, PS, PVC, PET, HDPE etc. Each material is stored in flexible bulk containers (example Jumbo bags™). Such material may be grinded, shredded or baled, depending on the final intended use (for example PET is used as fibres in weaving material) or as required by the buyer.

After the initial processing, the materials are marketed and exported. All export of recyclables must also follow the guidelines put in place by MEPA.

4.3 Emergency Action Plans

4.3.1 Emergency action plans are comprehensively covered in the Health and Safety Manual, selected sections of this are found in Appendix E. The full health and safety manual as well as the risk assessment are available for viewing on request.

4.4 Type of waste categories handled at the facility

4.4.1 The following table describes the different waste categories handled at the facility, together with their European Waste Codes.

Table 1: Types of waste categories handled at the facility

EWC	Description of Waste
19 12 01	Paper and Cardboard
19 12 02	Ferrous Metal
19 12 03	Non-Ferrous Metal
19 12 04	Plastic and rubber
19 12 05	Glass
19 12 06 *	Wood containing dangerous substances
19 12 07	Wood other than that mentioned in 19 12 06
19 12 08	Textiles
19 12 09	Minerals (Eg sand, stones)
19 12 10	Combustible waste (refuse derived fuel)
19 12 12	Other wastes (including mixtures of materials) from mechanical treatment of wastes
20 01 01	Paper and Cardboard
20 01 02	Glass
20 01 08	Biodegradable kitchen and canteen waste
20 01 11	Textiles
20 01 21*	Fluorescent tubes and other mercury-containing waste
20.02.23*	discarded equipment containing chlorofluorocarbons
20.01.33*	batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries
20.01.35*	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components
20 01 38	Wood other than that mentioned in 20.01.37
20 01 39	Plastics
20 01 40	Metals
20 02 02	Soil and Stones
20 03 01	Mixed municipal wastes
20 03 02	Waste from markets

4.5 *Projected quantities of waste handled at the facility*

Table 2: Amounts of waste collected per year

TYPE OF WASTE	WEIGHT TO BE COLLECTED	
	Tonnes / year	Final Destination
Glass	3000	Local and export
Plastic	4000	Local and export
Wood	1500	Local and export
Carton	3000	Local and export
Paper	3000	Local and export
WEEE	15000	Local and export
Metals	5000	Local and export

4.6 *Transport of waste to the site*

- 4.6.1 G.S. Rec Limited operates a limited waste transport system, and most of the materials (incoming and outgoing) are transported by others. The company vehicles are listed in Table 3 below.

Table 3: G.S. Rec. Limited Company vehicles

G.S. Rec. Limited - Company Vehicles			
Registration Number	Vehicle Type	Year of Manufacture	Year of Purchase
GRN 666	Dennis Refuse Disposal	1984	2004
GRN 999	Daf 75.270 Tipper with HIAB	1996	2007
GRN 444	Scania P113M Skip Loader	1993	2003

4.7 *Storage and reception facilities on site*

- 4.7.1 Storage capacity is equivalent to approximately 1500m³ - excluding walled sheds. This is used for incoming material, work in progress, and finished product and space is managed according to necessity. Generally once a material is processed it is sent to its final destination, therefore storage is only for a limited time period.

4.8 *Bulk storage of waste prior to its handling*

- 4.8.1 If the collected waste cannot be handled immediately upon entering the site, it may be stored as bulk waste prior to its separation. Waste is stored in bins (270 cm³ capacity), tipped in the bulk sorting area or as marked in the plans found in Appendix H.

4.9 Projected date of commencement for the activity

- 4.9.1 The facility is currently operational as per full development permission granted by the Planning Authority through Permit No. 4322/94 on the 6th November 1996.

4.10 Type of emissions (if any) from the process and related activities

- 4.10.1 As only contained waste is stored on site, it is anticipated that there will be no emissions as a result of the activity on site.
- 4.10.2 Dust arises mostly from the predominant west wind and therefore from the landfill. Vehicles and skips are regularly washed in a dedicated area in order to minimise dust accumulation on site (See Appendix H).
- 4.10.3 In order to prevent spreading of dust when sawing or grinding, the saw and grinders are equipped with a dust capturing bag.
- 4.10.4 The main source of WEEE is in the form of waste equipment from importers, large institutions, such as banks and corporate companies, households and others, thus any equipment containing HFC would have already been degassed by the importers, however this process might take place in the future. As no processing of WEEE is currently carried out on site, and WEEE handling is restricted simply to packaging and simple dismantling, for export, it is not envisioned that the emissions normally associated with WEEE de-pollution will be released as a result of this activity. Hazardous waste is collected ready packaged under cover, as required for transport. If in the future this de-pollution service is offered, it shall be carried out according to EU standards and all the necessary equipment and health and safety standards shall be followed.
- 4.10.5 Chemicals are all contained in sealed drums. These are all inspected both prior to collection from the client, and well as prior to entry onto the site. Should a leak be discovered, this is dealt with immediately. There are therefore no emissions envisioned as a result of this activity.

4.11 Control of emissions (if any) and technical measures involved during abatement

No emissions are envisaged.

4.12 Anticipated standards for the emissions (if any) and comparison with legal requirements

No emissions are envisaged.

4.13 Information On Staffing And Management Of The Scheme

4.13.1 The company employs 4 persons, besides administration staff, and it is envisaged that this number will increase as the company introduces other services.

Administration Staff:	consists of 5 persons.
Operational Staff:	consists of 3 employees
Technical Staff:	consists of 1 person.

4.14 Professional or technical training provided to the scheme operators and staff

4.14.3 All staff are trained by the responsible person within the company. The staff also have been trained by the ETC; Institute of Health and Safety, MSA, CIWM (Chartered Institute of Wastes Management) and MCAST.

4.14.4 A copy of staff qualifications is shown in Appendix F.

4.14.5 The managing directors have been pioneers in the Maltese Waste Industry. For many years they have been promoting professional practice in waste management and have attended numerous courses in Waste Management and Training of Staff. They are involved in the Malta Federation of Industry, raising professionalism within the industry.

5. AMENITY MANAGEMENT AND MONITORING

5.1 *Amenity Management*

5.1.1 An Amenity Management system allows the facility to achieve the necessary aesthetic, environmental and safety attributes.

In order for there to be an effective integrated management system, the following are checked and reviewed regularly:

- The site and surrounding environment
- Staff participation at all stages.
- Staff training and continuous development programme.
- Advisor input and standard.
- Storage and transport of waste
- Application equipment care and maintenance.
- Records and monitoring
- Emergency Procedure.

5.1.2 Further details on all these can be found in corresponding sections herein.

5.2 *Nature and quantities of emissions from the site into the air, water and onto land*

5.2.1 Air

No gaseous emissions into the air are envisaged.

5.2.2 Water

No liquids are expected to leak into either the marine habitat or groundwater. Mitigation measures adopted are detailed in section 5.4.

5.2.3 Land

No contamination of surrounding land is expected as a result of the activity on site. Mitigation measures adopted are detailed in section 5.4.

5.3 *Significant effects of such emissions on the environment*

No detrimental effects are expected on the surrounding environment.

5.4 Mitigation measures to minimize hazards and nuisance arising within the facility

5.4.1 A 3.2m wall surrounding the perimeter of the facility premises keeps all windblown materials on-site.

5.4.2 To improve the facility's environmental performance, the site has been equipped with two water reservoirs having a total capacity of over 330,000 litres. The facility utilises collected rain water daily according to requirement.

5.4.3 Concreting and asphaltting of the entire site area is currently underway in order to prevent leaking of any spillages into the ground. Spills are easily controlled by the use of spill kits.

5.4.4 Surface water is collected and where possible reused thus minimising the volume of water diverted to the cesspit.

5.4.5 An oil and sediment interceptor has been installed

5.4.6 Water resulting from washing processes is directed to the underground reservoir for recycling and re-use.

5.4.7 Spillages (if any) arising from the waste will be channeled to gullies and either treated in-situ or sealed and exported from the site.

5.4.8 No spillages are disposed of in the ground or surface water.

5.5 Monitoring procedures

5.5.1 Documented emergency procedures

An emergency plan for the facility has been developed and includes the following:

- Training of employees to be adequately prepared to respond to emergency situations that may arise on/off the site during their employment.
- Drills and simulations to ensure that the above-mentioned training is producing the desired results.
- Emergency telephone numbers: including local emergency services as well as office numbers.
- Mapping of evacuation routes from the administration building and facility.
- List of Chemicals and hazardous Materials on site.

- List of Emergency equipment and location.

5.6 Control measures

5.6.1 Control and monitoring of Stack Emissions and Odour

There are no burning or incineration activities on site.

5.6.2 Control and monitoring of noise

5.6.2.1 The background noise levels around the Ghallis landfill facility in the vicinity, have been measured as follows:

Existing noise levels (dB(A))				
Time of day	L _{Aeq}	L _{A90}	L _{A10}	L _{Amax}
Average over 1.5 hour day-time period 07.00 – 19.00	59.6	48.5	58.4	79.8

(Source: ES for a Waste Management Facility at Ghallis Ta' Gewwa, Naxxar, Malta - 2004)

5.6.2.2 There are two ways in which the facility has the potential to increase noise levels in the vicinity of the site:

- Traffic noise
- Operational noise

5.6.2.3 Traffic Noise

In order for there to be an audible increase in noise levels, there needs to be a noise increase of 3dB(A), equivalent to 50% increase in traffic movement. In view of the current number of vehicles entering the nearby Ghallis Landfill as well as the local traffic using the road, it is highly unlikely that the extra vehicles associated with the site (mainly small vans and private vehicles) will exceed 50% of the existing traffic volume. As such, noise impacts from this source are insignificant.

5.6.2.4 Operational Noise

The development has the potential of generating noise from the following sources:

- Vehicle movements
- Equipment - Compactor, shredder and crusher unit
- Emergency generator

5.6.2.5 Vehicle Movements

Traffic movements associated with the site are discussed in paragraph 5.6.2.3; this section concludes that it is highly unlikely that vehicle movements cause a noticeable increase in ambient noise levels.

5.6.2.6 Equipment

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

5.6.2.7 Generator

While the electricity required at the site is made available from the nearest mains power supply, certain equipment require more electrical power therefore a generator on site to provide an emergency power source. The generator is located within a separate generator room which provides adequate sound insulation in the event of a requirement to use the generator.

5.6.3 Control and monitoring on releases to the sewers

5.6.3.1 There is no sewer connection to the facility. All waste water, including waste water from the washing of skips which do not contain hazardous waste, is collected in a cesspit which is emptied regularly.

5.6.3.2 Hazardous waste is stored in large bins (WEEE is stored in Bin 12, see Plan in Appendix H). These bins are located on hard surfaces (concreted), in dedicated areas in order to prevent any form of leakage into the ground. In the highly unlikely event that a leak occurs, this is mitigated against by the provision of absorbent material in the sealed area around the bin. A secondary safety measure is the provision of channels which transport any liquid to a separate tank outside the bin area. This is then collected, transported and disposed of as hazardous waste.

5.6.4 Control on releases to land including disposal routes

General and organic waste is deposited in authorized landfills or as directed by the relevant authorities.

5.6.5 Control on releases to an on-site effluent treatment plant

There is no on-site effluent treatment plant.

5.6.6 Control of fires at the site

The Managing Directors shall be responsible for the management of Health and Safety at the treatment facility. A private company (certified) carried out a complete fire fighting survey and all required fire fighting equipment as recommended by the expert company are in place.

Fire extinguishers and fire aid kits are available on site. All fire extinguishers are regularly maintained - to ensure they are in good working order – and certified. Also, procedures in case of fire are known and regularly communicated to all employees and adequately visible safety notices are placed on site. Regular fire drills are carried out which ensure that the staff have basic fire fighting training in the event of a fire on site. Further information is found in, Appendix E.

5.6.7 Control of vermin at the site.

COMTEC Ltd. have been contracted to ensure an adequate vermin control for the whole of the site. The company regularly issues reports following maintenance and inspections on site. The Service Contract is included as Appendix D.

5.7 Control of windblown materials including litter outside the facility

5.7.1 The entire site is surrounded by a 3.2 meter high wall. This prevents any windblown materials from leaving the site.

5.7.2 The company also employs the practice of good housekeeping (with a number of litter bins available around the site).

5.8 Control of Leaks and Spillages arising from the operation of on site machinery or otherwise.

5.8.1 Activities which are most likely to generate spillages include depollution and dismantling of WEEE products such as fridges, air conditioners (category 1 and 2). This activity is carried out by the importers themselves and does not take place on site.

5.8.2 In the case of accidental spillages, all members of staff are familiar with the spillages clean up standard procedure:

- Spills are cleaned immediately
- Spill recovery material – readily available throughout the site – is placed on the spill

- Spills are collected in sealed metal or plastic drums for export from the facility as hazardous waste

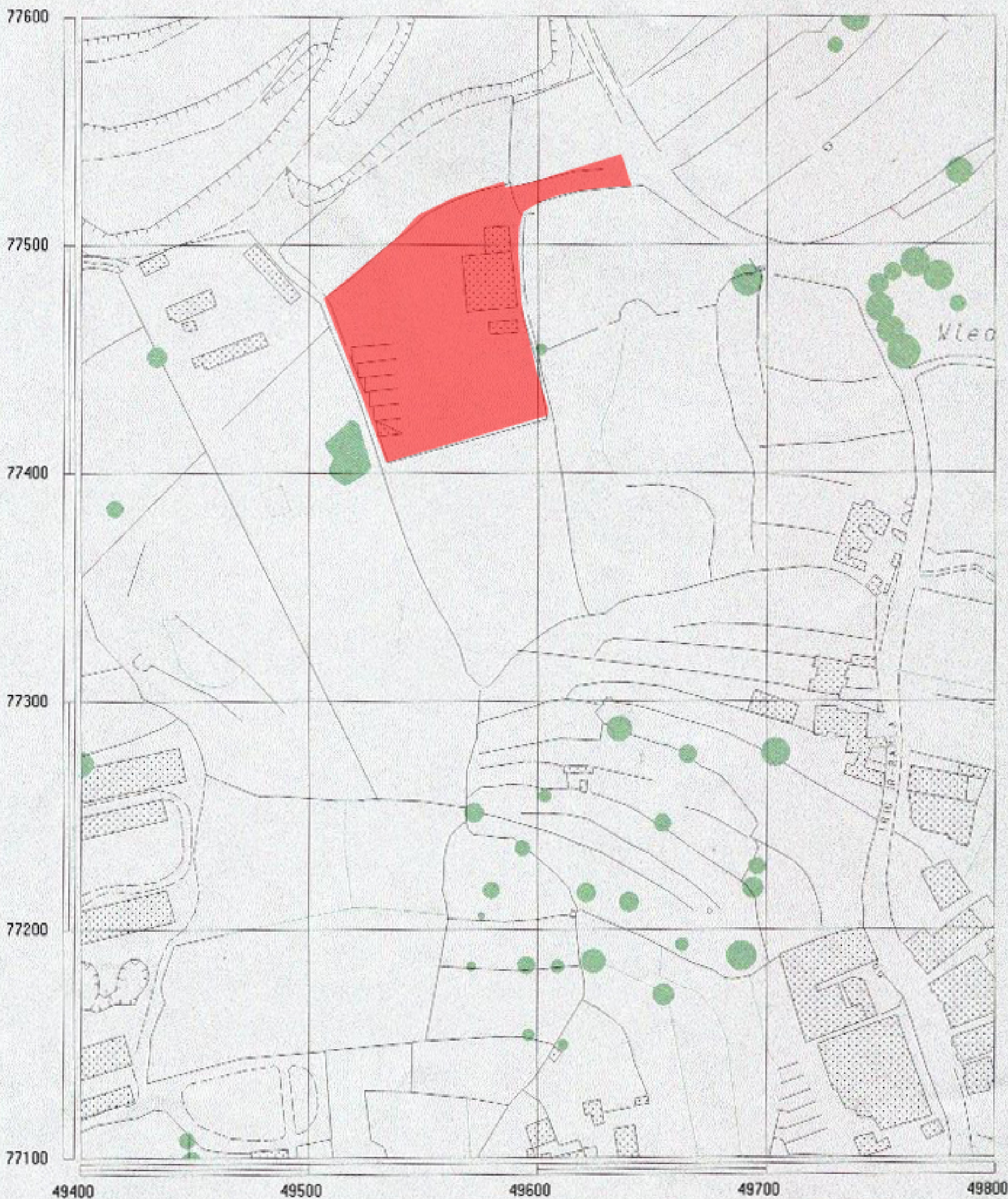
6. RECORD KEEPING AND REPORTING

6.1 The operator of the Recycling Plant treatment facility will compile and maintain records:

- Weight Bridge records
- Employee Records and Attendance Records
- Routine Inspection Records
- Accident records
- Damage logs
- Maintenance records
- Correspondence/Consignment Notes and Notices from MEPA
- Records of materials stored
- Records of materials sold

APPENDIX A

SITE PLAN



Malta Environment & Planning Authority **Mapping Unit Site Plan, Scale 1:2500**

St. Francis Ravelin
 Floriana
 PO Box 200, Valletta
 Tel:21240976 Fax:21224846
www.mepa.org.mt



Part of Survey Sheet(s): 4877

Date Issued:- 1/10/07

- The numbered lines indicate 100m intervals on a U.T.M. grid
- This site plan is not to be used for interpretation or scaling of scheme alignments
- Users noting additions or corrections to this map are kindly requested to inform the Mapping Unit

APPENDIX B

SHREDDING & BALING EQUIPMENT



BLACKFRIARS

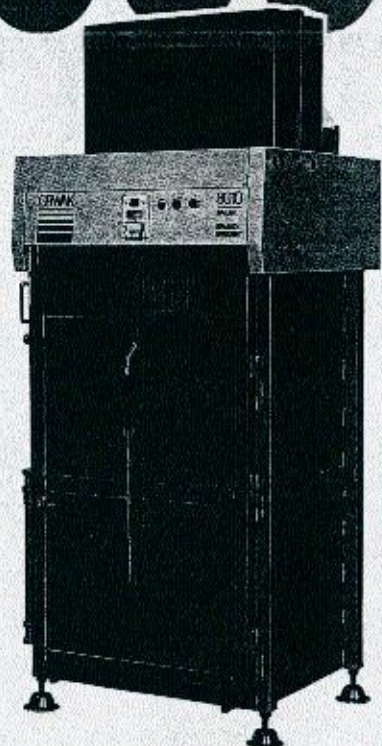
MODEL
30/30 & 40/30



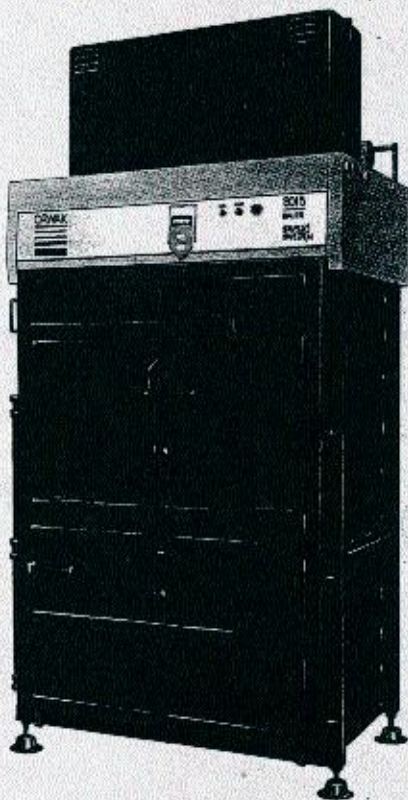
MEDIUM-DUTY GRANULATORS

Easy to use and simple to maintain

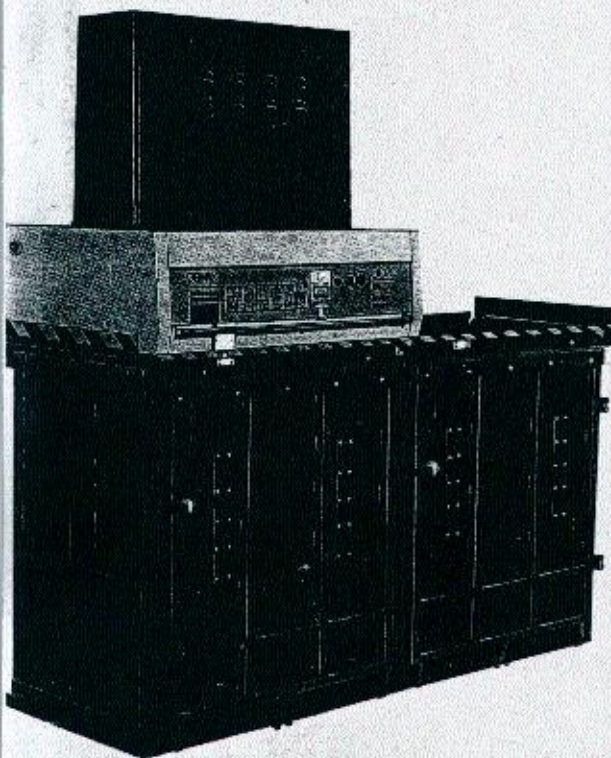
8000 SERIES



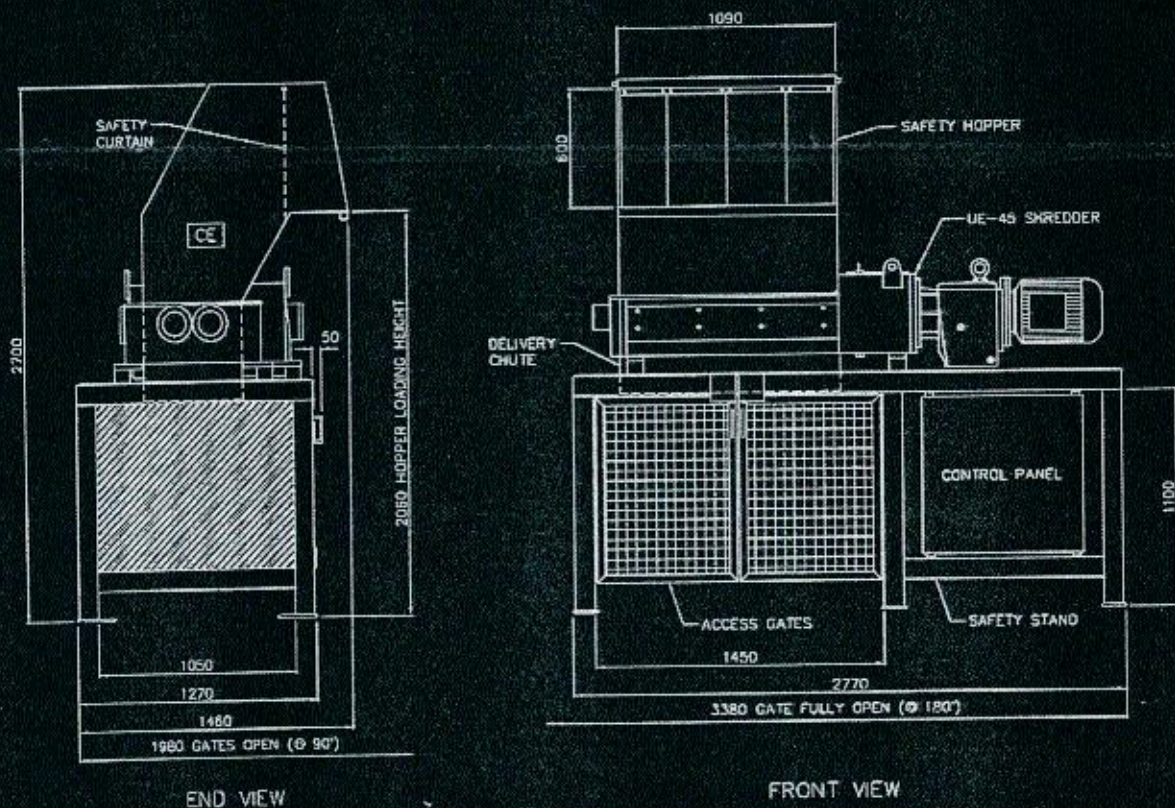
8010 Designed for industrial uses, this single-chamber, vertical loading baler is popular in medium-sized factories because of its fast cycle time of under 10 seconds. A nine tonne ram produces bales of up to 80 kilogrammes which are then ejected automatically. Although it is compact, occupying an area slightly less than a standard UK pallet, it has an impressively large capacity.



8015 A heavy duty version of the 8010, the 8015 has the same features but incorporates a 15 tonne ram to produce a bale weighing up to 200 kilos. A loading hatch of 1005mm x 500mm is big enough to take the largest pieces of waste normally associated with industrial operations.



8020 Orwak's flagship system, the 8020, is top-loading and multi-chambered. Special features include a large loading aperture of 1100mm x 700mm, 20 tonne hydraulic rams capable of dramatic volume reduction to produce a bale of between 150 and 200 kilos, and automatic bale ejection. Top loading makes it easy to operate and up to four chambers provide flexibility and scope for handling large volumes of a single waste product or baling different materials with the same equipment.

**ULSTER ENGINEERING****ULSTER SHREDDER UE-45****UE-45 SHREDDER ASSEMBLY**

NOTE:
THE STAND WILL ACCOMMODATE A COLLECTION CONTAINER UP TO
1075mm HIGH X 1400mm WIDE X 1075mm DEEP

UE-45 TECHNICAL DETAILS

Motor hp/kw	2x20/2x15—Totally enclosed fan cooled
Voltage	380/440 three phase standard or to customer specification
HZ	50 standard or to customer specification
Knife Configuration:	Depending on application, ranging from 15.5-62mm
Hooks	Depending on application
Hopper	CE-Marked type as standard or to customer specification
Stand	CE-Marked Standard or to customer specification

GENERAL SPECIFICATION

	Height	Width	Length	Weight
General Assy	2700mm	1460mm	2770mm	2100kg
Shredder	550mm	1000mm	2600mm	1500kg
Drive Motor	550mm	475mm	1150mm	325kg
Safety Stand*	1275mm	1270mm	2770mm	450kg
Safety Hopper*	1120mm	1200mm	1150mm	100kg
Control Panel	800mm	800mm	200mm	50kg

* Can vary with turnkey systems to customers requirement, and manufactured to CE Standard

Cutting Chamber Size:	1074mm x 524mm
Distance between shaft centres:	192mm
Size of shaft hexagon:	85mm A/F
Maximum knife diameter:	260mm
Maximum knife thickness:	31mm
Maximum weight of knife:	8kg

ULSTER ENGINEERING LIMITED Cogry Mill Ballyclare N. Ireland BT39 0PU

Tel: [028] 9335 2526 Fax: [028] 9335 2302 E-mail: sales@ulster-engineering.co.uk Website: ulster-engineering.co.uk OR heavydutys shredders.com

TIONS

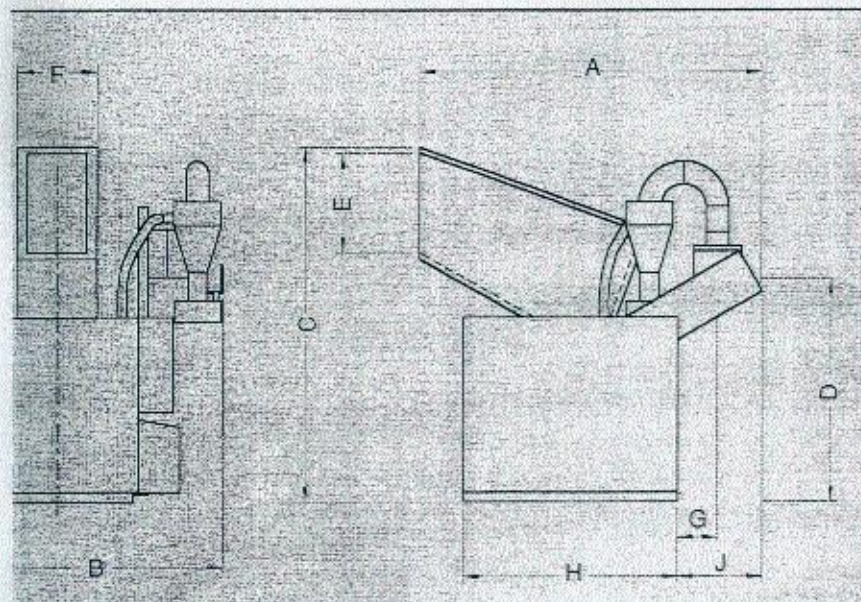
storm granule extraction systems for
specific applications.
inule collection bin instead of
systems.
dusting, cleaning and classifying of
rules.
ed conveyors for special applications.
melt models for extrusion and blow
ulding.
emperature sensing

OPTIONEN

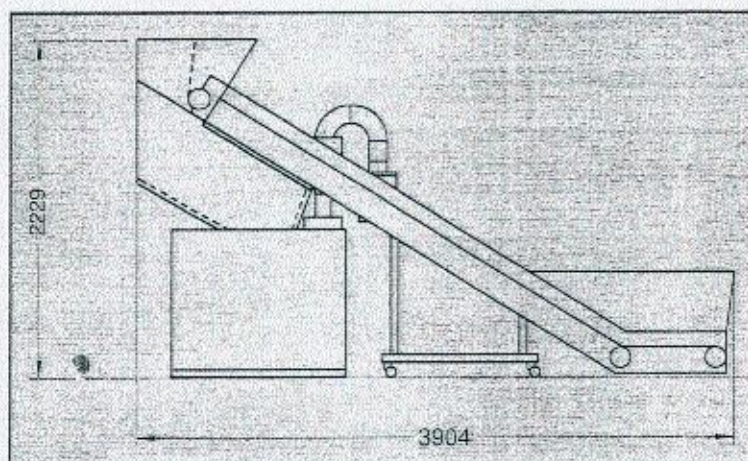
- Kundenspezifischer Granulatabtransport (wir bieten hierfür auch komplette Anlagen an)
- Öffnung für Ausstoß in Lagerboxen
- Staubabsonderungs-, Reinigungs- und Trennsysteme für das Granulat
- Einspeissesysteme, förderbänder
- Spezielle Modelle für heißgeblasene Teile
- Temperaturkontrolle

OPTIONS

- Systèmes d'évacuation spécifique
- Bac de récupération type manuel
- Dépoussiérage, nettoyage et triage de la matière broyée
- Convoyeurs d'alimentation
- Broyeurs de "hot melt" pour l'extrusion et le soufflage
- Contrôle de température



SPECIFICATION	30/30	40/30
Throat size Einlauföffnung Ouverture	300 x 300	400 x 300
Rear profile feed Rückzufuhr für profile Alimentation arrière latérale	300 x 115	400 X 115
Knives/Messer/Couteaux	3/5 x 2	3/5 x 2
KW	7.5/11	11/15
Weight/Gewicht/Poids	750Kg	850Kg
A	1950	1950
B	1285	1440
C	1880	1880
D	1185	1185
E	530	530
F	406	506
G	210	210
H	1125	1125
J	440	440



Information contained in this brochure is designed
to give a clear and reasonable idea of the machine and
should not be taken as a precise specification to form part
of the contract of Sale.

Die Angaben in dieser Broschüre sollen einen unver-
fälschten Eindruck von den Maschinen vermitteln; sie
können jedoch nicht als Teil der technischen
Lieferbedingungen eines Kaufvertrages ausgelegt werden.

L'information contenue dans cette brochure est destinée
à donner une idée claire et raisonnable de la machine
et ne peut être considérée comme une spécification
précise formant partie d'un contrat de vente.



BLACKFRIARS LIMITED

5 Roman Way, Market Harborough, Leicestershire LE16 7PQ, United Kingdom.

Telephone: +44 (0) 1858 462249 Fax: +44 (0) 1858 464755

Email: sales@blackfriars.com Web site: www.blackfriars.com

APPENDIX C

SAMPLE LOGGING REPORTS

GS REC LTD., UNIT 1, TA' L-IMRIKED
HAMLA ROAD, MAGHTAB
NAXXAR NXR 6540, MALTA
EMAIL: info@greenskip@kemmnet.net.mt
web: greenskipgroup.com



CO. REG. NO. C13893
VAT REG. NO. 1021 8116
T: 00356 21422009/10/17
F: 00356 21422029

WASTE SERVICE TRACKING DOCUMENT

(TICK where applicable)

MATERIALS DESCRIPTION

A N^o 000007

PLASTIC
WOOD
METAL
TEXTILE

☐
☐
☐
☐

ORGANIC
C & D
PAPER & C/BOARD
MIXED

☐
☐
☐
☐

EWC

OTHER

DIRECTION

RECYCLING ☐

RE-USE ☐

STORAGE ☐

WEIGHT

VOLUME

TRACKING

TRANSPORTED BY VEHICLE No by G.S. REPRESENTATIVE date

FROM

REF BILLING REF PAYMENT

CASH

CHEQUE

PROCESS APPLIED

Environment Protection Department
Waste Management
SASWTP
M'Scala ZBR11
Tel: 632654 Fax: 636281

MINISTERU GHALL-AMBIENT

MINISTRY FOR THE ENVIRONMENT



Departament għall-Igħallen tal-Ambjent
MALTA

Department Environment Protection

CARRIER'S COPY

Hazardous Waste Consignment Note N°

EA 00000004

No of prenotice (if different) 1

A) CONSIGNMENT DETAILS

PLEASE TICK IF YOU ARE A TRANSFER STATION ☐

1. The waste described below is to be removed from (name, address & postcode)

2. The waste will be taken to (name, address & postcode)

3. The consignment(s) will be: one single ☒ a succession ☐ carrier's round ☐ other ☐ please specify

4. Expected removal date of first consignment: AUGUST 2000 last consignment: —

5. Name — On behalf of (company, address & postcode)

Signature —

Date 7/8/00

7. The waste producer was (if different from 1.)
(name, address & postcode)

6. Tel No 7837438

B) DESCRIPTION OF THE WASTE

No. of Additional Sheets ☐

1. The waste is

3. Physical Characteristics

5. Total quantity for removal (include units kg/ltrs/tonnes etc):

6. The chemical/biological components that make the waste hazardous are:

Component	Concentration (% or mg/kg)

2. Classification code

4. Packaging Type 6.4
Number of packages

7. The hazard codes (e.g. H7) are: H6

8. Special Handling Requirements: CAUTIONOUSLY!

C) CARRIER'S CERTIFICATE

I certify that I today collected the consignment and that the details in A1, A2 and B1 are correct. The Quantity collected is:

Name MARCO CAUCHI

On behalf of (company, address & postcode, Tel, Fax) GREENSKIPS

Signature Marco Cauchi

Date 8/8/2000 at — hrs.

1. Carrier registration nr/reason for exemption: Not Applicable

2. Vehicle registration nr (or mode of transport, if not road): GRN 555

D) CONSIGNOR'S CERTIFICATE

I certify that the information in B and C above is correct, that the carrier is registered or exempt and was advised of the appropriate precautionary measures.

Name —

On behalf of (company, address & postcode)

Signature —

Date 7/8/00

E) CONSIGNEE'S CERTIFICATE

1. I received this waste on

at

hrs.

2. Quantity received (include units kg/ltrs/tonnes etc):

3. Vehicle registration nr

4. Waste Management Operation(s): D1

I certify that waste management licence/authorisation/exemption nr — authorises the management of waste described in B. Ticket N°:

Name —

On behalf of (company, address & postcode)

Signature —

Date 7/8/00

PLEASE COMPLETE IN BLOCK CAPITALS

a: See attached list

This consignment note is valid for 15 working days from date of issue.



Packing Type

Waste Consignment Note No. **CN No** 006591

The waste will be taken to:

2. The waste will be taken to:

Company Name _____

Address _____

4. Removal date of first consignment: _____ last consignment _____

5. Notifier's Name _____ 6. Notifier Tel. No. _____

Address _____

Notifier Fax. No. _____

Notifier Mob. No. _____

1. The waste is 1.056 kg/m³ of waste

2. Hazardous Waste ☐ Biodegradable Waste ☐ Others ☐

3. EWC code _____
4. Packaging Type * _____

5. Physical Characteristics 1.5 x 10⁶ cells

7. Estimated total quantity for removal (include units kg/ltrs/tonnes etc): _____

8. The hazard code(s) is (are)(e.g. H7) ":

9. Special Handling Requirements: _____

I certify that I today collected the consignment and that the details in A1, A2 and B1 are correct. The quantity collected is:

1. Name & Surname _____ 3. Waste registration no. _____

On behalf of _____
Address _____

3. Waste registration no. _____

4. Vehicle reg. no. (or mode of transport if not road) _____

2. Carrier Tel. No. _____ 5. Signature _____

- Carrier Fax No. _____

5. Signature _____

6. Date _____ Time _____

I certify that the information in A, B and C above is correct, that the carrier is registered and was advised of the appropriate precautionary measures.

1. Name & Surname _____ 2. On behalf of _____

Address _____

2. On behalf of _____

3. Signature _____ Date _____

1. I received this waste on _____ at _____ hrs. 2. Quantity received (include units kg/ltrs/tonnes etc) _____

3. Vehicle registration no. _____ 4. Type of disposal/recovery operation * _____

5. I certify that waste management permit/registration no. _____ authorises the management of waste described in B.

Name & Surname

7. Facility Tel. No. _____

On behalf of _____

Facility Fax No. _____

Address _____

8. Signature _____

9. Date _____ Time _____

a: See attached list

This document contains 5 forms



APPLICANT'S COPY

Waste Consignment Permit No. **CP 0020**

A) CONSIGNMENT DETAILS

1. The waste described below is to be removed from:
Company Name [REDACTED]
Address [REDACTED]
2. The waste producer was (if different from 1):
Company Name [REDACTED]
Address [REDACTED]
MANC RES 1
3. The consignment(s) will be: one single ☐ a succession ☒ carrier's round ☐ other ☐ (please specify) _____
4. Expected removal date of first consignment: 01.06.05 last consignment: _____
5. Notifier's Name GREEN SKIP SERVICES LTD.
Address ADM BUILDING TA' L-INKIEB
PANLA ROAD MAGHARA
6. Notifier's Tel. No. 21422009
Notifier's Fax. No. 21422029
Notifier's Mob. No. 99422544

B) DESCRIPTION OF THE WASTE

1. The waste is CLINICAL WASTE
2. Hazardous Waste ☒ Biodegradable Waste ☐ Others ☐
3. EWC code GROUP A1
4. Packaging Type YELLOW BAGS
5. Physical Characteristics SOLID
6. Number of packages 30
7. Estimated total quantity for removal (include units kg/ltrs/tonnes etc): _____
8. The chemical/biological components that make the waste hazardous are:
- | Component | Concentration (% or mg/kg) | Component | Concentration (% or mg/kg) |
|-----------|----------------------------|-----------|----------------------------|
| | | | |
| | | | |
| | | | |

9. The hazard code(s) is (are) (e.g. H7) *: 419
10. Special Handling Requirements: HANDLE WITH CARE

C) CARRIER'S DETAILS

1. Name & Surname _____
On behalf of GREEN SKIP SERVICES LTD
Address ADM BUILDING TA' L-INKIEB
PANLA ROAD MAGHARA
2. Carrier Tel. No. 21422009
Carrier Fax. No. 21422010
3. Waste Management Registration No. _____
4. Vehicle Reg. No. (or mode of transport if not road) DBI-468

D) CONSIGNEE'S DETAILS

1. Waste Management Facility SANT ANTON SOLID
2. Type of disposal/recovery operation INCINERATION
3. Address WASTE TREATMENT PLANT
M' SOGA
4. Facility Tel. No. 21636601/3/5
Facility Fax. No. 21636619

5. Waste management permit/registration no. _____ authorises the management of waste described in B.
6. PLEASE ATTACH COPY OF CONFIRMATION FROM AN AUTHORISED REPRESENTATIVE OF THE WASTE MANAGEMENT FACILITY INDICATING AGREEMENT TO ACCEPT THE WASTE.

E) CONSIGNOR'S DECLARATION

I certify that the information in A, B, C and D above is correct, that the carrier is registered and was advised of the appropriate precautionary measures.

1. Name & Surname ANNE MALLIA
Address MAGHARA
2. On behalf of GREEN SKIP SERVICES LTD.
3. Signature [Signature] Date 26.05.05

PLEASE COMPLETE IN BLOCK CAPITALS

a: See attached list

This document contains 2 forms

File Ref No: [REDACTED]

Permit No: CP [REDACTED]

27th May 2005



PERMIT TO TRANSPORT HAZARDOUS WASTE

The Director for Environment Protection, by virtue of the powers conferred by article 21 and 22 of Legal Notice 337 Waste Management (Permit and Control) Regulations 2001, hereby grants you a **permit to transfer Group A1 wastes (EWC 18 01 03)**, deemed hazardous due to their H9 characteristics and whose collection and disposal is subject to special requirements in view of the prevention of infection.

The waste shall be transferred from [REDACTED] 'Pieta' to the **Sant Antnin Solid Waste Treatment Plant, Marsascala, for temporary refrigerated storage** until appropriate treatment can be affected. The waste should be placed in yellow bags which when $\frac{3}{4}$ full should be sealed and labelled, indicating the section and Hospital of origin and date of disposal. These yellow bags should be transported in rigid leak-proof containers closed with a lid and should be handled cautiously during transfer and disposal. The containers should be enclosed in a vehicle compartment so as to prevent escape of waste during transfer.

Arrangements with WasteServ Malta Ltd (Ing Mario Agius / Henriette Debono tel no. 23858000) should be made prior to the consignment of the waste.

This permit is being issued subject also to additional conditions imposed by the facility receiving this waste for temporary storage.

This permit is valid for three months until 27th August 2005 provided that the relevant consignment notes cover each consignment.

Kevin Mercieca
Waste Management Team Manager

cc. WasteServ Malta Ltd (Fax: 21441930)

APPENDIX D

COMTEC LTD SERVICE AGREEMENT

KW 30 Corradino Industrial Estate
Paola PLA08 Malta
Tel: 21.800666 Fax: 21.806786
Email: info@comtecpestcontrol.com



SERVICE AGREEMENT

THIS AGREEMENT IS ENTERED TODAY, the 18th January 2008, BETWEEN of the first part COMTEC Service Limited, hereinafter referred to as the Company, AND of the second part Ms Doris Sammut for Green Skip Service, hereinafter referred to as the Client.

ARTICLE 1 - The Agreement

- 1.1 This Agreement shall remain in force for a duration of one (1) year from the above date, and shall continue thereafter, but may be terminated during this period by the Client for a justifiable reason, by giving two month's notice to the Company in writing.

ARTICLE 2 - Obligations of the Company

- 2.1 The Company agrees to make regular **monthly** inspection / visits against Rodents at the below establishment, namely in all high risk areas.
- 2.2 These areas will be treated at a convenient time to prevent disruption of the Client's services;
- 2.3 The Company's policy is to adopt a Pro-active Pest Management Programme and undertakes to inspect and monitor the premises thoroughly for the above-mentioned pests (mentioned at 2.1 above), seeking first and foremost to prevent the entry of pests in the first place, and will carry out treatments whenever and wherever applicable;
- 2.4 Should special treatments become necessary for other specific problems, arising from insect pests which do not fall under the terms of this agreement, then the Company would be pleased to appraise the Client for these services, requiring explicit handling on an 'ad hoc' basis;
- 2.5 The Company undertakes to inform Client of any remedial work necessary to ensure that the premises are kept pest free. To reach this aim, the pest control technician will present a treatment report to the designated person within the client's employ which, besides other details, may also include recommendations by the pest control technician on how to prevent access or harbourage of pests. The client would, in return, be obliged to adhere to the recommendations therein, and if possible comply to do so by the next scheduled visit;
- 2.6 In the event of arising infestations in between routine calls, the Company undertakes to carry out emergency treatments in any area of the establishment without additional expense;
- 2.7 The Company undertakes to treat as confidential all matters relating to the Client's business in the execution of its duties;
- 2.8 The Company undertakes to place monitoring stations in appropriate locations, depending on the type of pests that need to be monitored / restrained. Such monitoring stations would assist pest control technicians in identifying any potential pest problem at an early stage, thus preventing the spreading or escalation of pests on the premises further;

- 2.9 The Company will ensure that no chemicals or pesticides (and their residues) shall constitute a health hazard to any person, working, residing, or visiting the establishment;
- 2.10 The Company shall submit a Treatment Report to the Client after every treatment which, besides the recommendations indicated in section 2.5, will contain details of insecticides/pesticides used on the premises, in accordance with directives of the Department of Health;
- 2.11 The Company undertakes to update its work practice and documentation procedures in line with changes, if any, to the provisions of the laws of Malta and other internationally accredited pest control associations. Namely: The British Pest Control Association and the National Pest Technicians Association, UK, to which the Company is affiliated;
- 2.12 The Company undertakes to carry out its services in a methodical and professional manner, and that all operations carried out are covered by a fully qualified and internationally acknowledged technical team, backed by many years of hands-on experience in the pest control industry.

ARTICLE 3 - Obligations of the Client


- 3.1 The Client agrees to pay the Company for its services a fee of:


Lm25.00+vat or \$8.14euros+vat

- 3.2 It is hereby understood by Client that this preferential rate is linked to a minimum of **twelve** consecutive and uninterrupted **monthly** visits;
- 3.3 Given the afore-mentioned special fee, the Company will nevertheless still invoice Client for any curtailed **monthly** visits, the cancellation of which is not directly ascribed to the negligence of the Company;
- 3.4 The first treatment charge shall be due thirty (30) days from the date of invoice. Subsequent payments at monthly intervals thereafter;
- 3.5 Credit terms strictly thirty (30) days. Interest shall be charged at 8% on any amounts which have been outstanding for more than 30 days;
- 3.6 The above payment is exclusive of Value Added Tax (VAT), which Tax will be separately computed. Any increase in Value Added Tax, or any other form of taxation which might become payable during the operation of this Agreement is not included, and will be appropriately computed if and when this comes into force.

For: The COMPANY

For: The CLIENT

P.P. 
Mr. Kim Wright
General Manager


Ms. Doris Sammut

APPENDIX E

HEALTH & SAFETY MANUAL

APPENDIX F

STAFF QUALIFICATIONS

Appendix F: Relevant Certificates of GS Rec Limited Staff

Member of Staff	Certificate	Awarded from
Mary Gaerty	Environmental management systems implementation	Malta Standards Authority
	Train the trainer	ETC
	Certificate of membership of the Chartered institution of Wastes Management	The Chartered Institution of Wastes Management
Doris Sammut	Certificate of attendance of a course in 'Writing a Health and Safety Policy'	Institute of Health and Safety
	Certificate of attendance of a course in 'Dealing with Hazardous Substances'	Institute of Health and Safety
	Certificate of attendance of a course in 'Employment Law'	Malta Employer's Association
Anhel Mallia	Certificate of attendance of a course in 'Basic Fire Fighting and Fire Awareness'	Institute of Health and Safety
Terry Sammut	Occupational Health and Safety Legislation	Institute of Health and Safety
Roderick Micallef	Foundation course in Pneumatics and Hydraulics	ETC
	Certificate in Motor Vehicle systems	City & Guilds
	Diploma in motor vehicles systems	City & Guilds

APPENDIX G

MEPA'S TERMS OF REFERENCE



ENVIRONMENT PROTECTION DIRECTORATE

Terms of Reference for Work Plan to be submitted for a permit to operate a Recuperation and Recycling facility – G.S. Recycling Ltd (Maghtab)

The Work Plan is an essential part of and provides support to the application being submitted for a waste management permit for the activity mentioned above which is to take place at Ramla Road, Maghtab.

General Requirements:

The Work Plan should include: -

- A written description of how the applicant is to prepare and operate the facility in question. Any necessary pollution prevention and control measures, and monitoring programmes, and equipment, which are deemed necessary, should also be included.
- Site location plans
- Detailed drawings and descriptions of the engineering development of the site and its infrastructure
- Information on documented procedures and recording systems to be employed
- Information on Risk and Environment management systems required to be implemented at the site,
- Contingency plans for any emergencies such as fires, or unplanned shutdown etc,
- A clear reference to an approved Development Permit and/or a police permit to operate in the above mentioned site.

The working plan including the risk and environment management system should be considered as a 'living document' since it may need to be reviewed and amended as the site evolves, such as to take into account any change or technical improvement designed to further the protection of human health and the environment.

Therefore any proposed changes to the Work Plan that may be necessary during the operation of the site, will require notification and approval of the Malta Environment and Planning Authority prior to their implementation.

The information given in the Work Plan must be clear and unambiguous, and must provide clear, quantifiable and enforceable instructions, procedures and standards for the operator of the site and other relevant persons to comply with. It should contain sufficient information to enable personnel unconnected with the site to understand how the site will be operated.

Format of the Work Plan

It is recommended that the Work Plan should be a 'controlled document' presented in a loose-leaf format or bound by Spiral Binding. The Work Plan should be reviewed as the site develops and may require regular updating.

Each section and page of the Work Plan must be numbered and uniquely identified by date and/or version number. Each paragraph should also be numbered. Each document needs to be authenticated by an original signature in RED.

Sections should be arranged and numbered in sequence, in order that they may be clearly and unambiguously referenced in the relevant operating permit conditions.

In addition, a contents list should be prepared for the text and plans. This layout will enable clear and unambiguous referencing to the appropriate conditions in the operating permit.

The Work Plan must make specific reference to, and abide by the current versions of the following:

- 1) Maltese Legislation pertaining to the environment. Mainly reference should be made to the **Waste Management (Permit and Control) Regulations, 2001 as published by Legal Notice 337 of 2001**
- 2) Structure Plan (1990 – 2010) for the Maltese Islands
- 3) Space for Waste: The Waste Management Subject Plan
- 4) The Solid Waste Management Strategy for the Maltese Islands
- 5) Any international obligations as applicable.

Work Plan Content

The Work Plan should include the following aspects: -

A. Site Details and information: -

This section of the Work Plan should provide information pertaining to: -

1) Applicant Details

- Name
- Address
- Telephone
- Fax
- E-mail

2) Details of person responsible for the site.

- Name
- Address
- Telephone
- Fax
- E-mail

3) Site Location Plans

The site location plans should: -

- Include an A4 or A3 sized plan;
- Be of a scale of 1:10,000 or 1:2,500 as appropriate;
- Show all existing development within 250 meters of the boundary site including all roads and buildings;
- Indicate in red the outline of the proposed site including all necessary infrastructure (existing or proposed), such as site access roads;
- Elevations

All plans submitted, as part of any application must: -

- Bear a unique number;
- Be dated and signed by the applicant.

4) Facility Operations - General

- Facility Description
- Description of process
- Hours of operation.
- Quality Control and Quality Assurance measures to be adopted for the process.
- Operational Action plans
- Emergency action plans
- A description of the type of waste category/s to be handled at the facility.
- Projected quantities of waste to be handled at the facility.
- Information on how waste will be transported to the site.
- Information on packaging to be used for such transport.
- Storage and reception facilities on site.
- Bulk storage of waste prior to its handling.
- Projected date of commencement for the activity.
- The daily hours of operation of the facility.
- A description of what kind of emissions (if any) from the process and related activities.
- Information on the control of these emissions (if any) and technical measures involved during abatement.
- Description of anticipated standards for the emissions (if any) and how these compare to legal requirements
- Description of administrative measures to be in place to ensure effective control on the operations and emissions (if any) from the process.

5) Information on Staffing and Management of the facility

The site should be managed by persons who are technically competent to carry out the proposed activity. To this end information on qualifications, experience and technical competence of the staff in carrying out the proposed activity safely and with minimum risk to human health and the environment should be provided with this section of the Work Plan. Information on whether any professional or technical training is to be provided to the site operators should also be included.

B. Amenity management and monitoring

The Work Plan should also provide information on the nature and quantities of any foreseeable emissions from the site into the air, water and onto land, as well as any significant effects which such emissions may have on the environment, including a description of the environmental resources and values which would be placed at risk by such an activity.

This section shall include information on any mitigation measures to be adopted in order to minimise the nuisances and hazards arising within the facility, so as to ensure that adequate protection for human health and the environment is provided. Information on monitoring procedures to be adopted should also be included. Documented emergency procedures which will be adopted should the need arise should also be included.

In addition to the above this section of the Work Plan should contain information on the following

:-

- Control and monitoring of Stack Emissions (if any)
- Control and monitoring of odour
- Control and monitoring of noise
- Control and monitoring on releases to the sewers
- Control on releases to land including disposal routes
- Control on releases to a on-site effluent treatment plant
- Control of Fires at the site
- Control of vermin at the site
- Control of windblown materials including litter outside the facility
- Control of Leaks and Spillages arising from the operation of on site machinery or otherwise

C. Record Keeping and reporting

The Work Plan should provide a detailed description of the record keeping and reporting procedures to be adopted within the site. Records may include permits issued by other entities, internal/external communication, operational procedures, work instructions, and periodic recording of Environmental performance etc.

This section of the Work plan should also contain Operation and maintenance records.

D. Other Information

The Work Plan should also provide any other information, which the applicant deems necessary to include and which is not listed above.

E. Number Of Copies

You should provide the Malta Environment and Planning Authority (MEPA) with **three (3)** hard copies of the work plan as well as preferably **one (1)** copy on digital format.

APPENDIX H

SITE LAYOUT

APPENDIX I

ELEVATIONS AND SECTIONS