

Environmental Permit

Environment and Development Planning Act (CAP. 504; Act X of 2010)

Permit number

EP 0021/09/D

The Malta Environment and Planning Authority (hereinafter the Authority; the Competent Authority or MEPA) in exercise of its powers under the Environment and Development Planning Act (CAP. 504; Act X of 2010), and The Waste Regulations, 2011 (L.N. 184 of 2011) as amended by L.N. 441 of 2011, hereby authorises:

WasteServ Malta Limited (hereinafter "the Operator" or "the Permit Holder"),
Of / Whose Registered Office (or principal place of business) is at


WasteServ Malta Limited
EkoCentre
Triq il-Latmija,
Marsascula, MSK 4613
(Company registration number: C30560)

to operate an installation at

WasteServ Malta Limited
Sant' Antnin Plant
Wied iz-Ziju,
Marsascula, MSK 4613

to the extent authorised by and subject to the conditions of this Permit.

This permit is valid until **6th July 2015**.

Signed	Date
 Perit Vincent Cassar Chairman & A/Director of Environment Protection	Varied on 10 / 10 / 2014 Permit Issued: 20 April 2012

Authorised to sign on behalf of the Competent Authority

Conditions

1 General

The Permitted Installation shall, subject to the conditions of this Permit, be managed, controlled and operated as described in the original EP applications, or as otherwise previously agreed in writing by the Authority.

Status Log

Detail	Date
<i>EP 0021/09/A</i>	<i>Expired 30th April 2012</i>
<i>WM 0022/06</i>	<i>Expired 30th April 2012</i>
<i>Consolidated Permit EP 0021/09/B</i>	<i>Issued 20th April 2012</i>
<i>Variation EP 0021/09/C</i>	<i>Issued 08th March 2013</i>
<i>Variation EP 0021/09/D</i>	<i>Issued 10th October 2014</i>

1.1 Permitted Activities

- 1.1.1 The Operator is authorised to carry out the activities and the associated operations specified in Table 1.1.1.

Table 1.1.1		
Activity	Description of specified activity	Limits of specified activity
Operation of a Material Recovery Facility (MRF)	Collection, sorting, preliminary treatment (including paper shredding and glass crushing), baling and storage of permitted non-hazardous wastes	From receipt of waste to sorting, baling and storage of material.
Operation of a Mechanical Treatment Plant with Anaerobic Digester (MTP/AD)	Dry mechanical treatment – Collection, sorting, baling and storage of waste	From receipt of waste to inspection, separation and baling of material.
	Wet mechanical treatment – production of biological waste suspension (slurry) through mixing, screening and sedimentation	From receipt of waste fraction to treatment and production of biological waste suspension (slurry).
	Biological treatment – hydrolysis and digestion of the biological waste suspension (slurry)	From receipt of the biological waste suspension (slurry) to treatment (hydrolysis and digestion) and production of the liquid digestion residue.
	Aerobisation – aeration of the liquid digestion residue, dewatering and compost storage	From receipt of the liquid digestion residue to aeration, dewatering and storage of the dewatered substrate.
	Associated activity of waste water treatment (reverse osmosis plant)	From receipt of water to delivery of utility and discharge in small quantities to sewer.
	Associated activity of biogas production, handling and utilisation	From generation and storage of biogas to production of

General maintenance and repairs	Maintenance and repair/s on equipment and/or machines within the installation (MRF & MTP/AD).	power and heat (CHP). From maintenance/repair activity to appropriate recovery/disposal of any waste generated on site.
Associated activity of utilities	Generators to produce energy.	From receipt of fuel to delivery of energy.

1.2 Site

- 1.2.1 The activities authorised under condition 1.1.1 shall not extend beyond the Site, as per Site Map in Schedule 1 to this Permit.

1.3 General Conditions

1.3.1 General Considerations

- 1.3.1.1 The conditions and obligations of this permit are without prejudice to any valid and approved, pending or any other development permits that are going to be submitted or issued on this site, any planning regulations, planning limitations or any provisions listed in the Environment and Development Planning Act (CAP. 504; Act X of 2010).
- 1.3.1.2 The conditions and obligations of this permit are without prejudice to any other regulation, code of practice, conditions or requirements requested by other Authorities or entities, including but not limited to, Occupational Health and Safety Authority, Malta Transport and the Malta Resources Authority.
- 1.3.1.3 This permit is being granted saving third party rights.
- 1.3.1.4 In these conditions and their interpretation, all terms shall have the same meaning as that assigned to them in the Waste Regulations 2011, as published by Legal Notice 184 of 2011, as amended by L.N. 441 of 2011 or any statutory provisions or regulations amending or replacing them.
- 1.3.1.5 The waste management activities on site shall be managed without endangering human health or harming the environment, in particular:
- Without risk to water, air, soil, plants and animals;
 - Without causing a nuisance through noise, dust or odours;
 - Without adversely affecting the countryside or places of special interest or value.
- 1.3.1.6 All businesses have a duty of care to protect the environment. The Operator shall become familiar with his legal obligations and good environmental practice.
- 1.3.1.7 The Operator shall apply the precautionary principle to safeguard the environment whilst carrying out the permitted activities and should immediately refuse the entry of waste that is suspected to be in breach of the conditions of this permit.
- 1.3.1.8 The Operator shall ensure that all waste management operations authorised in accordance with this Permit are carried out in an orderly manner and in such a way as to cause the least possible disturbance to the surroundings and the least possible nuisance to third parties.
- 1.3.1.9 The Operator is to be fully liable and responsible for managing the site in all its various aspects and to supervise the full adherence with all the conditions of this permit.

- 1.3.1.10 Any significant incident (including accidental release of liquid, solid or gaseous materials from the site that could reasonably be regarded as causing environmental damage, or as posing a threat of environmental damage), shall be reported within 24 hours to MEPA and the Civil Protection Department.
- 1.3.1.11 The Operator shall maintain a register of third party complaints. The register shall record the name and address of the complainant(s), the date, location, source and nature of the complaint and the corrective action undertaken, where such action proves necessary.
- 1.3.1.12 The Site, equipment and technical means used in operating the Permitted Installation shall be maintained in a good operating condition and maintenance records of the above shall be kept by the Operator.
- 1.3.1.13 The Site shall be managed, controlled, supervised and operated by staff who are aware of the importance of environmental protection and suitably trained on the requirements of this Permit, in particular on those permit conditions relevant to their duties. All staff shall be provided with adequate training and written operating instructions to enable them to effectively carry out their duties. Training records shall be maintained.
- 1.3.1.14 The Authority reserves the right to request for environmental monitoring, as deemed necessary. Such monitoring shall be carried out at the expense of the Permit Holder.
- 1.3.1.15 In case of any monitoring requirements, there shall be provided safe means of access to enable sampling/monitoring to be carried out by the Authority, or by a third party if necessary.
- 1.3.1.16 The Authority may carry out compliance checks and inspections that vary in frequency according to the site's compliance with the permit conditions. Any such checks and inspections carried out by the Authority are to be made at the Permit Holder's financial expense.
- 1.3.1.17 The Authority's representatives are empowered to inspect every part of the site and ask for any closed or locked areas to be opened. They are also entitled to be given any proof, documentation, plans, receipts or any other records which these Authority representatives may request.
- 1.3.1.18 A copy of this permit should be available at all times at the installation, including any Variation Notices or amendments to it.

1.3.2 Validity, Transferability and Surrender of the Permit

- 1.3.2.1 The permit is valid until **6th July 2015**. The Operator is able to renew the permit upon application with the Authority expressing his/her intention at least three (3) months prior to the expiry of the permit. The permit will be considered renewed once the official Renewal or Variation Notice is issued by the Authority.
- 1.3.2.2 This Permit is not transferable unless by application to the Authority, whereby the permit will be transferable only after an official letter from the Authority endorses the permit transfer. Transfer of ownership will also necessitate the transfer of environmental obligations and liabilities.
- 1.3.2.3 The Authority reserves the right to alter, amend or remove any of the conditions of this permit after notifying the Operator of its intention and after describing the changes to the Operator.
- 1.3.2.4 The Authority may revoke this environmental permit or part of this environmental permit where significant mismanagement of the site is observed or any of the permit

conditions are not respected after a written warning is given by the Authority or in any eventuality that gives the Authority enough reason to revoke this permit.

- 1.3.2.5 The Operator is able to surrender this environmental permit only after applying with the Authority. The Operator shall retain all responsibility for management and activities within the site until the Authority officially approves the permit surrender in writing.
- 1.3.2.6 In the event of cessation of operations on the site, all wastes (including machinery and associated equipment) must be removed from the site such that any pollution risk is avoided and the site is returned to a satisfactory state. The Operator shall notify the Authority immediately upon a decision being taken to cease business activity, and shall submit a decommissioning plan to the Authority for approval.
- 1.3.2.7 The Authority reserves the right to attach a fee to this permit.

1.3.3 Operational Changes

- 1.3.3.1 The Operator shall apply for a variation in permit and shall seek the Authority's written agreement prior to any operational changes which could cause substantial impact on the environment, by sending to the Authority: written notice of the details of the proposed change, including an assessment of its possible effects (including changes in emissions and waste production) on the environment from the Permitted Installation; any relevant supporting assessments and drawings; and the proposed implementation date.
- 1.3.3.2 Any such change shall not be implemented until agreed to in writing by the Authority. As from the agreed implementation date, the Operator shall operate the Permitted Installation in accordance with that change, and relevant provisions in the Application shall be deemed to be amended.

1.3.4 Financial Assurance

- 1.3.4.1 The Financial Assurance for meeting the obligations under this Permit is covered by a letter of undertaking issued by the Government on behalf of the Operator dated 20/03/12. It shall be provided and maintained by the Operator throughout the subsistence of this Permit, and the Operator shall produce evidence of such provision whenever required by the Authority.
- 1.3.4.2 The Authority reserves the right to avail itself of all or part of the Financial Assurance specified in condition 1.3.4.1 in the event that the Operator fails to take the necessary action in cases of non-compliance with these permit conditions or in cases where environmental integrity is threatened. This Financial Assurance is without prejudice to any environmental liabilities incurred by the Operator through failure to adhere with permit conditions.
- 1.3.4.3 In cases where the Financial Assurance does not cover the expenses incurred by the Authority to take remedial action on the Permit Holder's behalf, the Operator is to financially reimburse the Authority of all the expenses incurred.
- 1.3.4.4 The Financial Assurance shall be released upon permit surrender and the closure of the site.

1.4 Improvement Programme

- 1.4.1 The Operator shall complete the improvements specified in Table 1.4.1 by the date specified in that table, and shall send written notification of the date of completion of

each requirement to the Authority within 10 working days (of the completion of such requirement).

Table 1.4.1: Improvement programme	
Requirement	Deadline
The construction of a containment (bund) system for the compost production, drying and storage area as per condition 2.2.4 of the permit.	To be constructed within 3 months from the date of issue of the permit.
The Operator is to apply for a Sewer Discharge Permit with the Water Services Corporation as per condition 2.6.2.5 of the permit.	To apply for a Sewer Discharge Permit within 3 months of the date of issue of the permit.
Submission of an Outline Decommissioning Plan as per condition 3.3.1 of the permit.	To be submitted within 3 months from the date of issue of the permit.
Submission of an Environment Management System (EMS) as per Schedule 3 of this permit.	To be submitted within 12 months from the date of issue of the permit.
Implementation of a land and groundwater monitoring programme as per condition 3.3.2 of the permit.	To be implemented by 31 st July 2013.

- 1.4.2 The Operator shall submit an application for an IPPC permit **by not later than 7 July 2013**.

2. Operational Conditions

2.1 General Site Infrastructure and Security

- 2.1.1 During non-operating hours the site should be firmly closed and totally inaccessible to third parties, both by vehicle and on foot.
- 2.1.2 The site should be clearly identified by a site identification board, which should be replaced as soon as it is damaged or the information is no longer readable from a distance. The site identification board should be located at the site entrance and should contain the following information:
- The company name and address
 - Permit Number
 - List of authorised activities on site
 - Emergency contact name and phone number
 - Permitted operating hours of the site
 - Statement that the Site is permitted by the Authority
- 2.1.3 The entrance/exit area to the Permitted Site should be constructed on impervious grounds and should be regularly cleaned so as to prevent vehicles from transporting or depositing mud and debris onto public roads.
- 2.1.4 In the event that mud or debris arising from the Permitted Site is deposited onto public roads outside the Site, remedial measures, including the cleaning of public roads, shall be implemented immediately.
- 2.1.5 The site perimeter should be clearly delineated either by a chain link fence, bollards or low walls conforming to a permit issued under the Environment and Development Planning Act (CAP. 504; Act X of 2010) and subsidiary legislation.
- 2.1.6 The Site must be well secured to minimise the opportunity for unauthorised entry both during operating and non-operating hours.

- 2.1.7 A clearly labelled quarantine area is to be designated within the site boundary to temporarily store unpermitted waste that may enter the site. A non leaking skip or similar contained structure can be utilised for the temporary storage of unpermitted waste.

2.2 General Storage Areas

- 2.2.1 No storage of equipment and/or materials is permitted on property outside the site boundary, as per Schedule 1 of this Permit.
- 2.2.2 All bulk liquid tanks within the installation, including anaerobic, aerobic and process water tanks shall be provided with an adequately designed bund system with an impermeable base and walls, as per relevant MRA standards. The capacity of the bund shall be a minimum of 110% of the largest tank within the bund or 25% of the total volume of all the tanks within the bund. Filling and off-take points shall be located within the bund, which shall not have any drainage connections for rain water. The Operator shall also ensure and take all precautions in his competence to avoid any leakages or spills from liquid or solid material that can cause environmental harm.
- 2.2.3 All bulk liquid tanks, and associated bunding and pipe work shall be visually inspected at least twice a week. Such records should be included in the site diary.
- 2.2.4 The area for the production, drying and storage of compost shall be provided with an adequately designed bund system with an impermeable base and walls to avoid spillages or contamination of other sites.
- 2.2.5 The storage of raw materials, particularly liquids, shall take place only in areas with impervious ground and where thorough clean-up and site reinstatement can be readily undertaken.
- 2.2.6 Containers for bulk storage of chemicals (mainly fuels and lubricant oils for use on equipment and machinery stored within the installation) shall be properly designed, located, labelled, banded and maintained so as to prevent accidental spillage. Incompatible chemicals shall not be stored within the same bund. Storage areas shall have impervious ground and shall be banded or otherwise designed so that surface and ground waters cannot be contaminated by spillages.
- 2.2.7 The storage of flammable, toxic and hazardous substances and the maintenance of critical safety equipment should correspond to good international practice.

2.3 Site Specific Conditions

- 2.3.1 Compost resulting from biowaste may be utilised to a dedicated use such as soil improver, fertiliser, etc., provided that the resultant compost satisfies the End of Waste criteria as per provisions of The Waste Regulations 2011, as published by Legal Notice 184 of 2011, as amended by L.N. 441 of 2011 or any statutory provisions or regulations amending or replacing them.
- 2.3.2 The Operator shall submit to the Authority a declaration (for the substance) as set out in Schedule 10 of Legal Notice 184 of 2011, as amended by L.N. 441 of 2011 or any statutory provisions or regulations amending or replacing them

2.4 Waste

2.4.1 Waste Acceptance

- 2.4.1.1 This site is authorised to accept and process waste as per European Waste Catalogue Codes in Schedule 2 of this Permit.
- 2.4.1.2 No waste management operations shall be authorised by this Permit unless specified in and undertaken in accordance with the list of permitted operations specified in table 1.1.1 of this permit.
- 2.4.1.3 The Operator shall refuse the entry of unauthorised waste carriers. Such instances shall be recorded on the site diary or logbook record as per condition 4.1 of this permit and the Authority shall be notified immediately.
- 2.4.1.4 The Operator shall take note of any waste carriers that are rejected from entering the site as they do not satisfy the waste acceptance criteria. At such instance the Operator shall take note of the vehicle's registration number and the time of the incident as well as the reason why the waste was not accepted on site.
- 2.4.1.5 No acceptance, storage, treatment or recovery of flammable, toxic and/or hazardous waste is allowed on site.
- 2.4.1.6 The total amount of waste accepted, treated and stored on site shall not exceed a total combined capacity of 71,000 tonnes per year.
- 2.4.1.7 All wastes shall be received, inspected, accepted or rejected, and recorded. Rejected waste is to be directed to the Quarantine area and stored for a period not exceeding 7 days (except for odorous waste which is to be stored in contained areas for a period not exceeding 72 hours), after which it is disposed in an authorised facility, either locally or abroad.
- 2.4.1.8 The Permit Holder shall ensure to issue a receipt for every consignment of wastes accepted on Site indicating the date and time of the consignment and the weight of the waste received. Each receipt should indicate the site name and permit number, as well as bearing a unique sequential number. Records of all waste consignments leaving the site shall also be officially recorded.
- 2.4.1.9 The Permit Holder shall maintain records of the weight of each waste consignment received and /or removed from the site, and such data is to be collected using a properly calibrated scale. Operator is to submit details of the scale used, together with its location and calibration details. Records of waste weighed prior to loading onto the vehicle from the point of collection may be accepted in lieu of on site weighing
- 2.4.1.10 The weighbridge/s shall be maintained, calibrated and certified by a warranted engineer or by the equipment's manufacturing company once every year. This certificate is to be submitted to the Authority as part of the Annual Environment Report (Schedule 1).

2.4.2 Waste Storage and Handling

- 2.4.2.1 No storage of waste is permitted on property outside the site boundary, as per Schedule 3 of this Permit.
- 2.4.2.2 In order to avoid any possible odour problems on site, no municipal waste shall be stored on site for more than 72 hours.
- 2.4.2.3 All wastes shall be stored within a designated impermeable and controlled storage area(s) prior to ultimate disposal. Wastes to be recycled shall be stored in a designated container or area and shall be segregated as per different waste streams.
- 2.4.2.4 The Operator shall ensure that no waste escapes to the environment during storage, processing and/or handling of such materials offsite or onsite.

2.4.2.5 All stockpiles of waste are to be located and covered in such a way as to avoid contamination of air or water through wind or runoff respectively.

2.4.2.6 Waste stored outdoors should be covered with an impermeable tarp for protection from the elements, allowing for sufficient ventilation to prevent anaerobic fermentation.

2.4.3 Waste disposal

2.4.3.1 Any waste leaving the site after storage and/or processing shall only be sent to facilities licensed to accept the individual waste stream, either locally or abroad.

2.4.3.2 Compost not reaching the End of Waste criteria according to the New Waste Framework Directive shall be deposited in an authorised facility permitted to accept such waste.

2.4.3.3 The incineration of any type of waste on site is strictly prohibited.

2.4.3.4 On-site disposal of wastes by any means including disposal to drain or surface water, burying or deposition on land is prohibited.

2.4.3.5 The Operator shall make use of the services of a registered waste carrier for the transport of waste from the site in accordance with LN 106/2007. Where the company removes wastes using its own transport the vehicle(s) must also be registered as a waste carrier in accordance with LN 106 of 2007.

2.4.3.6 Movement of hazardous waste (generated on site only) to authorised facilities shall be covered by a valid consignment permit obtainable from the Competent Authority. Each movement shall also be covered by a consignment note obtainable from the Authority.

2.4.3.7 Transboundary movement of waste shall be carried out in accordance with the following regulations, as amended from time to time:

(a) Regulation (EC) N° 1013/2006 of the European Parliament and of the Council of 14 June 2006 on shipments of waste

(b) Commission Regulation (EC) N° 1379/2007 of 26 November 2007 amending Annexes IA, IB VII and VIII of Regulation (EC) N° 1013/2006 of the European Parliament and of the Council of Shipments of waste, for the purposes of taking account of technical progress and changes agreed under the Basel Convention; and

(c) Commission Regulation (EC) N° 1418/2007 of 29 November 2007 concerning the export for recovery of certain waste listed in Annex III or IIIA to Regulation (EC) N° 1013/2006 of the European Parliament and of the Council to certain countries to which the OECD Decision on the control of transboundary movements of waste does not apply.

2.5 Maintenance Areas

2.5.1 All mechanical parts and machinery shall be stored in closed designated structures (not open to the elements) constructed on impervious grounds capable of containing any accidental spills of fuels, oils or any other hazardous chemical/s.

2.5.2 All maintenance of on-site machinery and equipment shall be carried out on an impervious surface where a thorough clean up of fuels, oils or any other hazardous chemical/s can be readily undertaken.

2.6 Emissions

2.6.1 Emissions to Air

- 2.6.1.1 All processes which generate significant levels of airborne contaminants (such as dusts, toxic gases, odorous chemicals) shall have effective local collection and shall discharge (after treatment where necessary) through a stack or vent located and/or designed in such a way as to avoid local nuisance and in conformity with the provisions of the Environment and Development Planning Act, 2010.
- 2.6.1.2 All emissions to air from the specified waste management operations listed in table 1.1.1 shall be free from visible concentrations of dusts, fibres or particulates that are likely to cause pollution of the environment or harm to human health or serious detriment to the amenity of the locality outside the Site boundary, as perceived by an authorised officer of the Authority.
- 2.6.1.3 Emissions to air shall only arise from the emission points specified in Table 2.4.1, as identified in the initial report for the *Consolidation of an Environmental Monitoring Programme Based on the Sant' Antnin Waste Treatment Plant (January 2011)*.

Table 2.4.1 : Emission points to air	
Emission point references	Source
PS 1	MRF hall
PS 2	MRF bring-in area
PS 3	MTP plant
PS 4	AD plant
PS 5	Biogas burning
PS 6	Scrubber & compost shed

- 2.6.1.4 Diesel (gas oil) used for any generators and boilers operated on site shall have a Sulfur content not greater than 0.1%.
- 2.6.1.5 The Operator shall use the best possible practice so as to prevent or where that is not practicable to reduce fugitive emissions of substances to air from the Permitted Installation to levels which are not a public health or environmental hazard.
- 2.6.1.6 The exhaust from general building ventilation (e.g. extractors or fans in walls or roofs) and any extracted fumes and gases shall be vented in such a way as to avoid local nuisance.
- 2.6.1.7 Under abnormal operating conditions such as in the case of breakdown, the Operator shall reduce or close operations as soon as practical until normal operation can be restored. In such instances, the Authority shall be notified immediately.
- 2.6.1.8 In the event of a local nuisance from emissions to air, the Operator must, at the written request of MEPA and within 10 working days, identify the specific cause of the nuisance and examine means for its elimination or minimisation including:
- Relocating / redesigning the stack(s) or vent(s) to a point where nuisance is minimised.
 - Replacement of fuel.
 - Improved storage of materials.
 - Use of additional preventive and abatement measures.
 - Any other measure that may be deemed necessary to undertake.
- 2.6.1.9 All abatement equipment and ducting shall be cleaned and maintained on a regular basis, as per manufacturer specifications.

2.6.2 Effluent discharges

- 2.6.2.1 No discharges to surface waters or groundwater shall take place from the Permitted installation.
- 2.6.2.2 Foul sewer drains must be strictly segregated from stormwater drains. The Operator shall endeavour to collect rainwater in a suitable reservoir or cistern.
- 2.6.2.3 No discharges to the foul sewer (other than domestic sewage or equivalent) shall take place from the Permitted installation, unless otherwise permitted by the Water Services Corporation or MEPA.
- 2.6.2.4 Contaminated runoff collected in reservoirs shall be treated prior to discharge to sewer or disposed of in authorised facilities.
- 2.6.2.5 The Operator is to apply for a Sewer Discharge Permit with the Water Services Corporation within three months of the date of issue of the permit. The Operator is to present the Authority a copy of the submitted application (and/or any supporting documentation) for the Sewer Discharge Permit.
- 2.6.2.6 All discharges to the foul sewer shall comply with the requirements of the Water Services Corporation Sewer Discharge Permit.
- 2.6.2.7 The Operator shall ensure the Sewer Discharge Permit from the Water Services Corporation is updated every year. The Operator shall abide to the provisions indicated in the Sewer Discharge Permit.
- 2.6.2.8 The Operator shall follow the conditions of the Sewer Discharge Permit , as may be updated from time to time by the Water Services Corporation and the provisions of the Sewer Discharge Control Regulations (LN139 of 2002 as amended by LN378 of 2005 and as may be amended from time to time).
- 2.6.2.9 The Operator shall monitor for the parameters as per Water Services Corporation requirements. The Operator shall inform the Authority of any changes to the Sewer Discharge Permit of the installation or changes made by the Water Services Corporation to monitoring requirements or frequency of monitoring.
- 2.6.2.10 The Operator shall provide a copy of the updated Sewer Discharge Permit as part of the Annual Environmental Report (AER) of the installation, in addition to any other reporting requirements set by the Water Services Corporation.
- 2.6.2.11 The Operator shall undertake all necessary measures and precautions to prevent spillage of raw materials, intermediates, products, waste and any other materials and/or chemicals.

2.6.3 Emissions to Land

- 2.6.3.1 No emissions from the Permitted Installation shall be made to land.

2.6.4 Odour

- 2.6.4.1 The Operator shall prevent or where that is not practicable, reduce odorous emissions from the Permitted Installation so as not to cause nuisance to Third parties.
- 2.6.4.2 The Operator is to ensure that all measures to limit odours are implemented on site both during operational and non-operational hours. The MRF hall and bring-in-area and MTP/AD plant area shall be equipped with automated doors and industrial air curtains to reduce odorous emissions from the installation.

2.6.4.3 The Operator is to ensure that the impervious tarp (or sheet) covering waste which is stored outdoors, is regularly maintained and that any damage (to tarp or sheet) is prevented. No odours shall be generated from the outdoor waste storage area.

2.6.4.4 Should odour problems persist, the Operator shall:

- a) Investigate immediately and undertake corrective action, and
- b) Adjust the process or activity to minimise those emissions, and
- c) Record the events and actions taken.
- d) In the event of non-compliance causing immediate danger to human health, operation of the activity must be suspended and the Competent Authority informed within 24 hours.

2.6.5 Noise and Vibration

2.6.5.1 The Operator shall prevent or where that is not practicable reduce emissions of noise and vibration from the Permitted Installation.

2.6.6 Monitoring

2.6.6.1 The Operator shall carry out onsite monitoring for emissions (emission points to air referred to in table 2.4.1.), effluents, odours and noise. The parameters to be monitored, the respective limit values and the frequency of monitoring shall be approved by MEPA following consultation with the *Sant' Antnin Environmental Monitoring Committee (set up on 24th October 2011)*. Monitoring shall commence by not later than three months from the date of issue of this permit.

2.6.6.2 The Operator shall carry out offsite monitoring at eight different stations, which are to be identified by the *Sant' Antnin Environmental Monitoring Committee (set up on 24th October 2011)*. The parameters to be monitored, the respective limit values and the frequency of monitoring shall be approved by MEPA following consultation with the above-mentioned Committee. Monitoring shall commence by not later than three months from the date of issue of this permit.

2.6.6.3 The Authority reserves the right to request for additional monitoring (for both onsite and offsite monitoring), as deemed necessary by MEPA. Such monitoring shall be carried out at the expense of the Permit Holder.

3. Site Management

3.1 Staff Obligations and Responsibilities

3.1.1 Without prejudice to any code of practice or any other regulations or agreements between or from other Authorities or governmental bodies, the specified waste management operations authorised by this Permit shall be carried out within the times specified in table 3.1.1 below. Upon receipt of any night-time noise complaints by the Authority, this permit shall be considered revoked and the operational hours as per EP 0021/09/C shall once more be considered on force.

Table 3.1.1: Permitted operating hours	
Specified waste management operations	Permitted hours
MRF/ Dry MTP (under normal circumstances)	Monday to Sunday 06:30hrs – 22:30hrs
Monday to Sunday	

MRF/ Dry MTP (during emergency situations)	Monday to Sunday 24hrs
Monday to Sunday Wet MTP/ AD plant	Monday to Sunday 24hrs
Loading of recyclables into containers for export	Monday to Saturday 07:00hrs – 18:00hrs
Maintenance and cleaning (under normal circumstances)	Monday to Sunday 22:30hrs – 06:30hrs
Waste Acceptance	Monday to Friday 06:30hrs – 22:30hrs Saturday 07:00hrs – 19:00hrs

- 3.1.2 All employees on site should be fully conversant with the obligations of this permit and should be individually aware of their responsibilities and liabilities in observing the conditions of this permit.
- 3.1.3 The site shall be under the responsibility of a Technically Competent Person (TCP). The Operator is to give the Authority a 24 hour contact number of the TCP.
- 3.1.4 In the event of any short or long periods of sick leave or vacation leave taken by the TCP, the Operator is obliged to find an immediate replacement.
- 3.1.5 The TCP is responsible for the implementation of all the obligations stipulated in this permit, must supervise the rest of the staff on site and is completely responsible to ascertain that all permit conditions are being adhered to and that unauthorised waste does not enter the site.
- 3.1.6 The TCP is to be present at all times on site and in her/his absence another member of staff is to substitute him/her temporarily. In the event that a TCP terminates her/his employment, another person shall be appointed as a TCP immediately and the Authority shall be informed prior to this change.
- 3.1.7 In the event where operations cease temporarily, the TCP or Operator are obliged to notify the Authority within two (2) days and are also to inform the Authority with regards to when the works are intended to resume.
- 3.1.8 All the staff on site should be fully aware of the procedures to be taken in the event of an accidental spill of any liquid other than water and how to contain the environmental hazard.
- 3.1.9 The Authority shall be informed within 48 hours in the event of an environmental hazard or major incidents.

3.2 Accident prevention and control

- 3.2.1 An Emergency Response Plan, reviewed by the Civil Protection Department, shall be maintained containing details of the location, nature and quantity of chemicals, oils and fuels stored (if applicable), any special hazards, a drawing showing location of drains and the emergency phone numbers of the Operator and relevant authorities. It shall also include actions to be taken in the case of incidents which could affect the

environment, such as fires and chemical/fuel spills. The emergency plan shall indicate that accidental releases of chemicals and fires caused by chemicals are to be managed as specified in the respective MSDS sheets.

- 3.2.2 The emergency procedure shall be updated whenever necessary and the updated version sent to MEPA and the Civil Protection Department.
- 3.2.3 In the case of an accident (including fire, chemical spills, etc.), the Operator shall follow the Emergency Response Plan referred to in Condition 2.4.1. and shall notify the Authority in less than 48 hours.

3.3 Closure and Decommissioning

- 3.3.1 As part of the Improvement Programme of the installation, the Operator shall submit to the Authority an Outline Decommissioning Plan within the timeframe specified in table 1.4.1. This Outline Decommissioning Plan shall at least include the following information:

3.3.1.1 A draft waste management strategy which shall include:

- The identification and characterisation of sources, types and quantities of waste (including equipment, tanks, fuels and by-products);
- Criteria for segregation of wastes;
- Proposed treatment, conditioning, transport, storage and disposal/recovery methods;
- Potential reuse/recycling of such wastes.

3.3.1.2 A qualitative assessment of the potential for contamination of land and groundwater pollution which might arise from the historical and current processes carried out at the installation.

- 3.3.2 The Operator shall carry out a full review of the outline Decommissioning Plan at least every 4 years.

- 3.3.3 The Operator is to implement, by 31st July 2013, a land and groundwater monitoring proposal in conformity with Articles 16(2) and 22 of the Industrial Emissions Directive, 2010/75/EU.

3.3.3.1 This monitoring proposal shall amongst other things include the location of the points for the sampling of land, information on the sampling methods, the handling of the samples, the pre-treatment/extraction of the analytes (where applicable) and the methods used in order to analyse the samples.

3.3.3.2 The monitoring proposal shall include a list of parameters (for land monitoring) to be measured which shall as a minimum include the parameters in Schedule 6.

3.3.3.3 Samples should be analysed to the relevant EN or EN ISO standards or equivalent.

3.3.3.4 Samples shall be managed¹ by a lab accredited (or in the process of accreditation, as confirmed by the National Accreditation Body (NAB-Malta) or equivalent) to at least EN ISO 17025:2005/Cor 1:2006 and preferably accredited for each and every analysis.

- 3.3.4 The Operator shall continue carrying out periodic monitoring as per timeframes approved by MEPA following consultation with the *Sant' Antrnin Environmental Monitoring Committee*. Results are to be included in the AER.

- 3.3.5 The Operator shall notify the Authority immediately upon a decision being taken to decommission the site, in which case the Operator shall submit a full

¹ sampled, handled, pre-treated/extracted or analysed.

Decommissioning Plan, the contents of which shall be agreed upon with the Authority.

4 Site Records

- 4.1 A Site Diary should be kept on site in which the following information shall be recorded on a daily basis and submitted annually to the Authority as per Schedule 2 of this Permit:

- (a) Total amount of waste in kilos accepted on site
- (b) Total amount of waste in kilos removed from site for disposal or further treatment
- (c) Total amount of waste in kilos refused entry on site
- (d) Total amount in kilos of unaccepted material sent to the quarantine area and by which registered waste carrier it was transported
- (e) Any incidents that took place on site such as mechanical faults in the machinery or equipment used on site, any spills, fires, etc and the remedial action taken
- (f) Names of visitors
- (g) Any other incidents that the Permit Holder deems important to record in the Site Diary.

Each event recorded within the site diary must be completed within 24 hours of the event.

- 4.2 The Operator shall ensure that all records required to be made by this Permit and any other records made by it in relation to the operation of the Permitted Installation shall:

- (a) be made available for inspection by the Authority at any reasonable time;
- (b) be supplied to the Authority on demand and without charge and in the format requested;
- (c) be legible;
- (d) be made as soon as reasonably practicable;
- (e) indicate any amendments which have been made and shall include the original record wherever possible; and
- (f) be retained at the Permitted Installation, or other location agreed by the Authority in writing, for a minimum period of 3 years from the date when the records were made, unless otherwise agreed in writing.

5 Reporting

- 5.1 The Operator shall submit to the Authority an Annual Environmental Report (AER) of the previous year by not later than end of March of each year, providing the information listed in Schedule 4 of this Permit and in the format specified therein.
- 5.2 A summary record of the waste quantities accepted and removed from the Site shall be made annually and shall be submitted to the Authority as part of the AER. The summary record shall be in the format specified in Schedule 4 of this permit and shall be submitted within one month from the end of the reporting year.
- 5.3 An independent auditor shall be engaged by the Operator to certify all of the waste reporting required by this permit, in line with the Terms of Reference found in Schedule 5 of this permit.
- 5.4 In the case of waste that is sent for treatment or recovery to another facility locally or abroad, the audit trail shall cover all waste from the point of generation or collection to the end recovery or disposal facility.

Schedule 1 Site Map

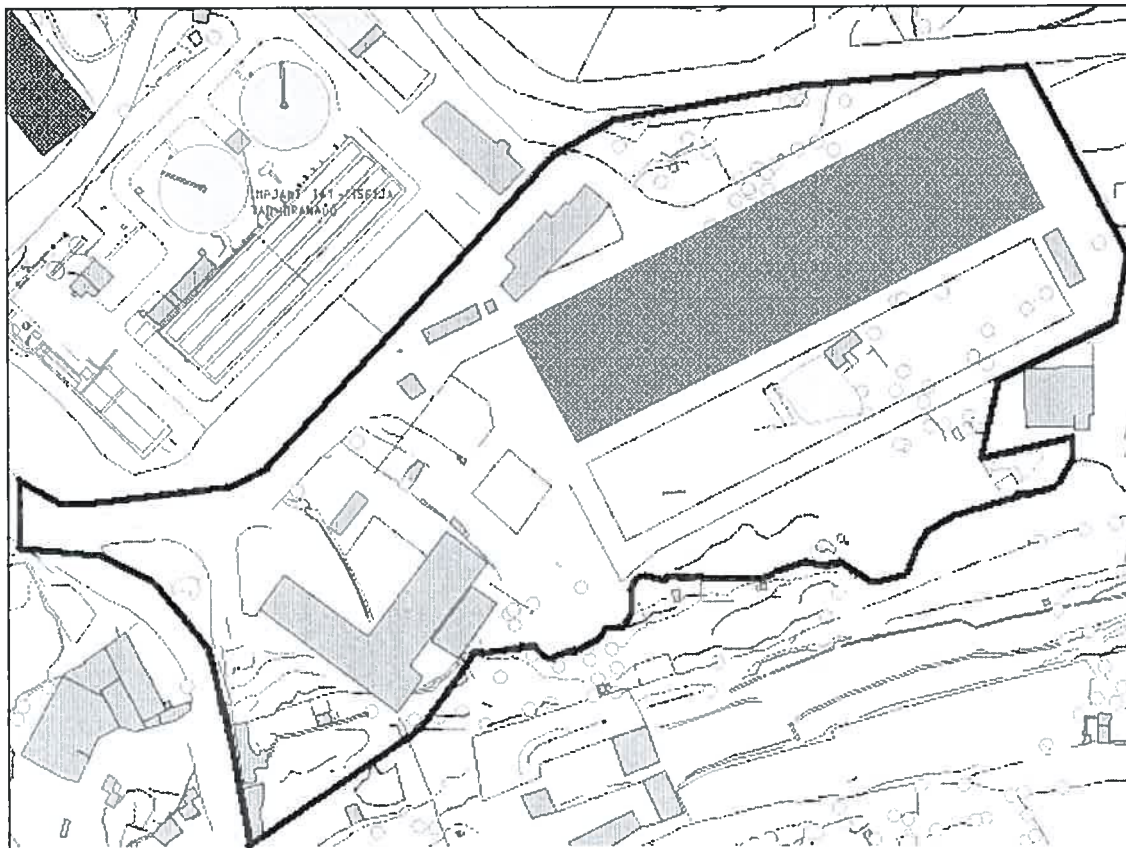


Figure S1.1: Site of installation, showing extent of area authorised for activity (Marked in red)

Schedule 2

Complete List of Wastes Permitted on Site as per EWC codes¹

15 Waste packaging; absorbents, wiping cloths, filter materials and protective clothing not otherwise specified

- 15 01 01 Paper and cardboard packaging
- 15 01 02 Plastic packaging
- 15 01 03 Wooden packaging
- 15 01 04 Metallic packaging
- 15 01 06 Mixed packaging
- 15 01 07 Glass packaging

16 Waste not otherwise specified in the list

- 16 01 19 Plastic
- 16 02 16 Plastics resulting from dismantling of washing machines
- 16 02 16 Washing machine motors
- 16 02 16 Plastics resulting from dismantling of computers
- 16 02 16 Electrical cables
- 16 02 16 Copper pipes from A/C units
- 16 02 16 Plastics resulting from dismantling of A/C units

20 Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions

- 20 01 01 Paper and cardboard
- 20 01 02 Glass
- 20 01 08 Biodegradable kitchen and canteen waste
- 20 01 39 Plastics
- 20 01 40 Metals
- 20 02 01 Biodegradable waste
- 20 03 01 Mixed municipal waste
- 20 03 02 Wastes from markets

¹ European Waste Catalogue Code (Reference: <http://www.mepa.org.mt/file.aspx?f=6289>)

Schedule 3

Minimum requirements for an Environment Management System (EMS)

Within twelve months of issue of the permit, the Operator shall submit an EMS which should include, as a minimum, the following elements:

1. Management and Reporting Structure

This should in particular include the name of the person who will be responsible for managing environmental aspects of the installation. Relevant qualifications and experience should be listed, together with contact details (including a mobile number for emergency purposes).

2. Environmental Objectives and Targets

The section should include a review of all operations and processes, a commitment by the operator to continuous improvement, and identification of priority areas where improvement to the operations is necessary and practicable, such as:

- a. recycling of materials;
- b. minimisation of waste;
- c. efficient use of resources (especially water and energy);
- d. use of biodegradable chemicals;
- e. minimising use of solvents;
- f. procedures to minimise noise disturbance to neighbours;

Targets should be set for priority areas identified (e.g. minimising waste generation by ___% annually).

3. Environmental Management Programme (EMP)

This should include a time schedule for achieving the Environmental Objectives and Targets prepared under point 2 above. The time schedule should cover a period of 5 years. The EMP should include:

- a. designation of responsibility for targets;
- b. the means by which they may be achieved;
- c. the time within which they may be achieved.

Targets and performance should be reviewed annually as part of the EMS.

4. Documentation

A system of documentation should be established to ensure that records are kept of the priority areas chosen according to point 2. In addition, the operator should issue a copy of the environmental permit to all relevant personnel whose duties relate to any condition of the permit.

5. Corrective Action

The operator should establish procedures to ensure that corrective action is taken should the specified requirements of the environmental permit not be fulfilled. The responsibility and authority for initiating further investigation and corrective action in the event of a non-conformity with the environmental permit should be defined.

6. Awareness and Training

The operator should establish and maintain procedures for identifying training needs, and for providing appropriate training, for all personnel whose work can have an effect on the environment. Appropriate records of training should be maintained.

7. Maintenance Programme

The operator should establish and maintain a programme for maintenance of all plant and equipment based on the instructions issued by the manufacturer/supplier or installer of the equipment. Appropriate record keeping and diagnostic testing should support this maintenance programme. The licensee should clearly allocate responsibility for the planning, management and execution of all aspects of this programme to appropriate personnel.

Schedule 4

Annual Environmental Report

Important note

By this submission, you confirm that you give your explicit consent for the entire contents of this Annual Environment Report to be made available on the Authority's public website.

S4.1 Introduction

Environmental Permit Number	
Reporting Year (Calendar Year: 1 January to 31 December)	
Name and locality of Site	
Brief description of activities at the site	

S4.2 Total amount of waste accepted and processed on site

A summary record of the waste quantities accepted and removed from the Site per month (table S4.2.1) and for the whole calendar year (table S4.2.2).

Table S4.2.1: Total input and output of waste by month (which is to be filled in for each month)

Month: _____

Input		Output		Output's Final Destination
EWC Code	Weight (Tonnes)	EWC Code	Weight (Tonnes)	

Table S4.2.2: Total input and output for the whole calendar year

Year: _____

Input		Output		Output's Final Destination
EWC Code	Weight (Tonnes)	EWC Code	Weight (Tonnes)	

S4.3 Packaging Waste Reporting Templates

Table S4.3.1

Quantities of packaging waste generated in the Member State and recovered or incinerated at waste incineration plants with energy recovery within or outside the Member State

(Tonnes)

Material	Packaging waste collected	Recovered or incinerated at waste incineration plants with energy recovery by						
		Material recycling	Other forms of recycling	Total recycling	Energy recovery	Other forms of recovery	Incineration at waste incineration plants with energy recovery	Total recovery & incineration at waste incineration plants with energy recovery
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
GLASS								
PLASTIC								
PAPER AND BOARD								
METALS	Aluminium							
	Steel							
	Total							
WOOD								
OTHER								
TOTAL								

Notes on Table 1:

- (1) For the purpose of this decision, the data on material recycling for plastics shall include all material recycled back into plastics.
- (2) Column c includes all forms of recycling including organic recycling but excluding material recycling.
- (3) Column d must be the sum of columns b and c.
- (4) Column f includes all forms of recovery excluding recycling and energy recovery.
- (5) Column h must be the sum of columns d, e, f and g.

Table S4.3.2

Quantities of packaging waste sent to other Member States or exported outside the Community for recovery or incineration at waste incineration plants with energy recovery

(Tonnes)

Material	Packaging waste sent to other Member States or exported outside the Community for				
	Material recycling	Other forms of recycling	Energy recovery	Other forms of recovery	Incineration at waste incineration plants with energy recovery
GLASS					
PLASTIC					
PAPER AND BOARD					
METALS	Aluminium				
	Steel				
	Total				
WOOD					
OTHER					
TOTAL					

Notes on Table 2:

(1) The data in this table refer only to quantities that are supposed to be counted under the obligations of Directive 94/62/EC. They are a subset of the data already provided in table 1.

(2) For the purpose of this decision, the data on material recycling for plastics shall include all material recycled back into plastics.

Table S4.3.3

Quantities of packaging waste generated in other Member States or imported from outside the Community and sent to the Member State for recovery or incineration at waste incineration plants with energy recovery

(Tonnes)

Material	Packaging waste generated in other Member States or imported from outside the Community for				
	Material recycling	Other forms of recycling	Energy recovery	Other forms of recovery	Incineration at waste incineration plants with energy recovery
GLASS					
PLASTIC					
PAPER AND BOARD					
METALS	Aluminium				
	Steel				
	Total				
WOOD					
OTHER					
TOTAL					

Notes on Table 3:

(1) The data in this table is neither contained in table 1.

(2) For the purpose of this decision, the data on material recycling for plastics shall include all material recycled back into plastics.

Schedule 5
Audit Procedures – Terms of Reference

S5.1	Nature and extent of audit procedures	Timing	Done by and date	Signature
1	Objective: To confirm that there is a signed receipt for every waste consignment received at the site <ul style="list-style-type: none"> - Choose a random sample of 10% of the total no. of working days and confirm that all waste entries are covered by an issued signed receipt. 			
2	Objective: To confirm that any hazardous waste movements from the site (entry & exit) are covered with a Hazardous waste consignment permit and consignment note <ul style="list-style-type: none"> - Choose a random sample of 10% of the total no. of hazardous waste movements out of the site and confirm that all such movements are covered by a valid Hazardous waste consignment permit and a waste consignment note. - Choose a random sample of 10% of the total no. of hazardous waste movements into the site and confirm that all such movements are covered by a valid Hazardous waste consignment permit and a waste consignment note. 			
3	Objective: To verify whether the quantities reported by the Waste Facility make reasonable sense <ul style="list-style-type: none"> - Choose a random sample of 10% of the total no. of working days at the facility and confirm that all waste entries (in and out of the site) reported are verified by relative documentation. 			
4	Objective: To ensure that the waste vehicles used to by the authorised facility to transfer the waste to other permitted sites are registered with MEPA <ul style="list-style-type: none"> - Obtain a list of approved waste carriers from MEPA and confirm that the ones used by facility are registered with MEPA 			
5	Objective: To ensure that the waste management facilities used by the authorised facility are approved by MEPA or the Competent authority of the Country of Destination <ul style="list-style-type: none"> - Obtain a list of locally approved waste management facilities from MEPA and confirm that the ones used by the facility are approved and authorised by MEPA - Obtain a copy of the permits of any foreign authorised waste management 			

	facilities which have been utilised. An original copy of the permit and an approved translated version of the permit is to be presented to MEPA			
6	<p>Objective: To ensure that the declared quantities of waste exported during the previous calendar year were actually received at the authorised facilities and declared to MEPA</p> <ul style="list-style-type: none"> - Obtain all certificates received from recycling facilities and confirm that these have all been declared to MEPA prior to shipment - Confirm arithmetical correctness of all reported data in this regard. 			
7	<p>Objective: To identify the waste being exported and to confirm the end destination of these materials, has been recovered appropriately</p> <ul style="list-style-type: none"> - Identify the materials exported according to the EWC Code and review actual documentation (including bills of lading) confirming an audit trail showing that the waste has been sent to a recovery facility as per permit requirements. 			

Schedule 6
List of pollutants to be measured in land

Pollutant
Metals
Mercury, Cadmium, lead, Copper, Zinc, Arsenic, Chromium, Selenium, Nickel, Vanadium, Cobalt, Thallium, Manganese, Antimony.
Inorganic Compounds
Asbestos fibres
Alkanes
Straight-chain alkanes from C ₁₀ to C ₇₀ , Cycloalkanes
Aromatic compounds
Benzene, Ethyl benzene, Toluene, Xylene, Alkylbenzenes
Polycyclic aromatic hydrocarbons (PAHs)
PAH (sum 10), Naphthalene, Anthracene, Phenantrene, Fluoranthene, Benzo(a)anthracene, Chrysene, Benzo(A)pyrene, Benzo(ghi)perylene, Benzo(k)fluoranthene, Indeno(1,2,3-cd)pyrene
Polychlorinated biphenyl (PCBs)
Total PCB Contents
Other contaminants
Mineral Oil

END OF PERMIT

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To: Mr Vince Magri
obo Wasteserv Malta Ltd
Phoenix Buildings
Old Railway Track
Santa Venera HMR 16

Date: 30 January, 2007
Our Ref: PA 04607/06

Application Number: PA 04607/06
Application Type: Full Development Permission / 01
Date Received: 24 July, 2006
Approved
Documents : PA 4607/06/1E/65C/65D/65E/65F/65G/65H/65J/65K/65M/65N/65O/
65P/65Q/65R/65S/65T/65U/65V/65W/65X/65Y/65Z/65AA/65AB/
65AC/65AD/65AE/65AF/65AG/65AH

Location: Site at, Triq Wied iz-Ziju, M'Scala
Proposal: Master plan and full development application for part demolition of existing plant and upgrading of the existing facility to accomodate a material recovery facility, a mechanical treatment plant, a digestion plant and composing plant

Development Planning Act 1992 Section 33 Full Development Permission

The Malta Environment & Planning Authority hereby grants development permission in accordance with the application and plans described above, subject to the following conditions:

1. Prior to the issue of the full development planning permit a bank guarantee of LM500,000 (Five Hundred Thousand Malta Liri) shall be imposed to ensure compliance with the conditions imposed in this permit. The bank guarantee shall be managed as follows:

Environmental - Operational Permit

An environmental application shall be submitted to MEPA within 6 months of the issue of this development permit. Lm 100,000 (One Hundred Thousand Malta Liri) shall be released once the Environmental - Operational Permit is issued. Failure to submit the necessary documentation within the specified time frame will result in the forfeiture of part of the bank guarantee equivalent to 10% for each month of elapse.

Waste Management Permit

A Waste Management Permit shall be submitted to MEPA within 6 months of the issue of this development permit. Lm 50,000 (Fifty Thousand Malta Liri) shall be

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released once the Waste Management Permit is issued. Failure to submit the necessary documentation within the specified time frame will result in the forfeiture of part of the bank guarantee equivalent to 10% for each month of elapse.

Construction Management Plan

A Construction Management Plan Shall be submitted to MEPA prior to the carrying out of any works on site but not later than 6 months from the issue of this development permission. A Bank Guarantee of Lm 150,000 is being imposed.

Lm 50,000 (Fifty Thousand Malta Liri) shall be released once the CMP is approved. Failure to submit the necessary documentation within the specified time frame will result in the forfeiture of part of the bank guarantee equivalent to 10% for each month of elapse. Should any works start prior to the approval of the CMP the whole part of this bank guarantee will be forfeited.

The remaining Lm 100,000 (One Hundred Thousand Malta) will be released once the works are completed. This part of the guarantee will be forfeiture should the developer or contractor fail to abide with the Construction Management Plan.

Transport

The developer shall carry out a number of Traffic Management safeguards on access and local roads as requested by the ADT. A bank guarantee of Lm 75,000 shall be made to ensure that the scheme is in place prior to the excavation and construction phase of the project.

Lm 50,000 (Fifty Thousand Malta Liri) shall be released after the ADT confirms that the traffic management measures are in place and that the works have been carried out in accordance to the approved plans. If the improvement to junctions require a separate planning permit this should be done prior to the commencement of works.

Lm 25,000 (Twenty Five Thousand Malta Liri) Shall be released after the expiry of this permit. This guarantee shall be used to ensure that the HGV's follow the routing agreement.

Landscaping and Lighting Scheme

A Landscaping and Lighting Scheme are hereby being approved in this development permit. To ensure compliance with the plans and conditions related to the landscaping and lighting a bank guarantee of Lm 25, 000 (Twenty Five Thousand Malta Liri) is being imposed

Lm 15,000 (Fifteen Thousand Malta Liri) shall be released after the lighting is carried out in compliance with the lighting plan.

The landscaping scheme is implemented in its entirety, the bank guarantee shall be reduced to Lm 10,000 (Ten Thousand Malta Liri). The landscaping scheme shall be implemented within the first planting season following completion of the development hereby approved, failing which the bank guarantee shall be forfeited; and

The remaining Lm 10,000 (Ten Thousand Malta Liri) of the bank guarantee shall be retained for a period of five years to ensure the maintenance of the landscaping. During this period, any trees that die or become severely diseased shall be replaced with the equivalent or greater number of trees of the same species and age as soon as planting is possible. Failure to maintain the landscaping properly will result in the forfeiture of the bank guarantee.

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In the event that the applicant fails to properly maintain the landscaping, then the outstanding bank guarantee shall be immediately forfeited.

Its forfeiture would not, however, preclude the applicant from adhering to all the conditions contained in this development permission.

All Other Conditions

A bank guarantee of LM 100 000 (One Hundred Thousand Malta Liri) is being imposed to ensure compliance with all other conditions imposed in this permit. These will be released as follow:

Lm 25,000 (Twenty Five Thousand Malta Liri) shall be released after the whole completion of construction of the project. The OMT is to verify that all works have been carried out according to the relevant conditions imposed in this permission, the Construction Management Plan and the Waste Management Permit.

The next Lm 25,000 (Twenty Five Thousand Malta Liri) shall be released after one year of operation. The OMT and EMT are to verify that all works have been carried out according to the relevant conditions imposed in the environmental permit

The last Lm 50,000 (Fifty Thousand Malta Liri) shall be released after five years from the issue of this permit. The EMT shall verify that the operation of the premises is in accordance with the Planning and the Environmental-Operational Permit.

In the event that the applicant fails to comply with any of the above conditions, the relative bank guarantees shall be immediately forfeited. Its forfeiture would not, however, preclude the applicant from adhering to all the conditions contained in this development permission.

2. No operations shall start on site prior to the issue of the Waste Management Permit.
3. A Construction Management Plan shall be submitted to MEPA prior to the carrying out of any works on site but not later than 6 months from the issue of this development permission. It shall show:
 - all construction access points;
 - storage areas for materials and plant;
 - a construction programme including details of the timing and phasing of the development;
 - how demolition, excavation and development is to be carried out;
 - protection measures for retained buildings,
 - structures and landscapes;
 - protection measures for the safety of pedestrians/vehicles;
 - the location of disposal sites for material from demolition and excavation;
 - the means and routing of transport to disposal sites;
 - a traffic management scheme for the area affected by the development and the construction traffic;
 - control of dust emissions during site works a contingency plan for any accidental situation that may arise on site during construction; and
 - waste management.
4. The applicant at his expense shall clean within a distance of 1 km all those roads that shall be identified in the Construction Management Plan as roads to be used by the construction vehicles. These roads shall be kept tidy to the satisfaction of the Malta

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Environment and Planning Authority.

5. Planning Gain:

The realization of the Marsascala family park shall be the planning gain for the local community. The developer shall carry out all the necessary works for the creation of the family park.

The family park shall be implemented within 5 years from the issue of this permit. In the event that the full development permit is not issued as indicated above the developer will have to contribute the sum of Lm 1,000,000 (One Million Malta Liri) to the Malta Environment and Planning Authority. The funds will then be used for the creation and improvements of projects to be carried out for the local community.

6. Adequate measures shall be taken to ensure that the vehicles leaving the site/engaged in the construction works do not deposit mud or other materials on the public highway. Details of this are to be included in the Construction Management Plan as per condition 3.
7. Before any construction works take place, adequate land shall be reserved both for the parking of vehicles engaged in such works and for vehicle access to the site, to the satisfaction of the Malta Environment & Planning Authority. This land shall be kept available for this purpose at all times throughout construction. Lands required for storage or waste dumps shall be identified to the Malta Environment & Planning Authority before such sites are used.
8. Adequate and suitable provision, in the form of water sprays, shall be used to reduce dust nuisance during all demolition and/or construction works.
9. Any soil on the site shall not be built over but shall be collected for reuse. A permit from the Director of Agriculture is required to remove the soil from the site. All soil shall be deposited at the place indicated by the Director of Agriculture.
10. No operations shall take place except between the hours of 0630 and 2230 Mondays to Friday and between the hours of 0700 and 1900 on Saturdays, and between 0800 and 1800 on Sundays and Bank Holidays. No excavations or demolition will be allowed on Sundays and Bank Holidays.
11. No sewage or trade effluent, including vehicle wash and vehicle steam cleaning waters, shall be discharged to any surface water draining system.
12. All above ground oil and chemical storage tanks and containers with associated pipework shall be sited and bunded in a manner so as to retain any spillage to the satisfaction of the Malta Environment & Planning Authority.
13. A water cistern with a volume in cubic metres of 45% of the total roof area (in square metres) of the building(s) shall be constructed to store rainwater run-off from the built-up area of the development. This cistern shall be completed and available for use prior to the development hereby permitted being first brought into use.
14. Landscaping of the site shall be implemented in its entirety within the first planting season following completion of the development hereby approved, in accordance with the details submitted with the application unless the prior approval in writing of the Malta Environment & Planning Authority has been obtained to depart from these details. No compliance certificate (partial or full) shall be issued on part, or the whole,

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of the development hereby approved prior to the implementation of the landscaping scheme in its entirety.

15. All external apertures and balconies shall not be constructed of gold, silver or bronze aluminium.
16.
 - a) This development permission is valid for a period of FIVE YEARS from the date of this notice but will cease to be valid if the development is not completed by the end of this five year period.
 - b) It should be noted that a third party may have the right of appeal against this permission. Any development which is carried out when such an appeal has been made, or until the time limit for the submission of such an appeal has expired, is undertaken at the risk that this permission may be revoked by the Planning Appeals Board or quashed by the Court of Appeal.
 - c) This development permission does not remove or replace the need to obtain the consent of the land/building owner to this development before it is carried out. Furthermore, it does not imply that consent will necessarily be forthcoming nor does it bind the land/building owner to agree to this development. Where the land/building is owned or administered by the Government of Malta a specific clearance and agreement must be obtained for this development from the Land and/or Estate Management Departments.
 - d) All works shall be carried out strictly in accordance with the approved plans and the conditions of this permission. Where a matter is not specified on the plans then the conditions of this permission and of Development Control Policy and Design Guidance shall take precedence and modify the plans accordingly.
 - e) All building works shall be erected in accordance with the official alignment and proposed/existing finished road levels as set out on site by the Malta Environment & Planning Authority's Land Surveyor. The Setting Out Request Notice must be returned to the Land Survey Unit of the Malta Environment & Planning Authority when the setting out of the alignment and levels is required.
 - f) Before any part of the development hereby permitted commences, the enclosed green copy of the Development Permit shall be displayed on the site. This must be mounted on a notice board, suitably protected from the weather and located not more than 2 metres above ground level at a point on the site boundary where it is clearly visible and can be easily read from the street. The copy of the permit must be maintained in a good condition and it shall remain displayed on the site until the works are complete.
 - g) The enclosed Commencement Notice shall be returned to the Malta Environment & Planning Authority so that it is received at least five days prior to the commencement of the development hereby permitted.
 - h) Copies of all approved plans and elevations shall be available for inspection on site by Malta Environment & Planning Authority staff at all reasonable times.
 - i) Where the street bordering the site is unopened, it shall be opened up **prior to the commencement of the building operations** hereby permitted.
 - j) Any soil on the site shall not be built over but shall be collected for reuse. A permit

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from the Director of Agriculture is required to remove the soil from the site. All soil shall be deposited at the place indicated by the Director of Agriculture.

k) Rock spoil, boulders and other waste materials resulting from excavations or from demolition on this site shall be deposited at an official waste disposal site or used as fill material. If waste materials from the development are not to be reused, they shall not be disposed of other than at an official waste disposal site. A permit from the Environmental Protection Directorate is required to this effect.

l) The Enforcement Unit of the Malta Environment & Planning Authority shall be notified prior to the commencement of the following stages of the development: construction of the foundations of each plant; roofing over of each plant.

17. Permission is hereby being granted, as per Regulation 8 of the Trees and Woodlands (Protection) Regulations Legal Notice 12 of 2001, as established by the Environment Protection Act of 2001, for the uprooting of:
- Twenty Five (25) Cypress trees *Cupressus sempervirens*;
 - One (1) Olive trees *Olea europaea*;
 - Eight (8) Pine trees *Pinus halepensis*;
 - One(1) *Populus Alba*
- as indicated on approved drawing PA4605/06/65AF.

The above is subject to the following requirements:

- The uprooting procedure is to follow the provisions of Article 8 of Legal Notice 12 of 2001.
- Compensatory planting, as required by the *Guidelines on Trees, Shrubs and Plants for Planting and Landscaping in the Maltese Islands*, 2002 is sought to replace uprooted trees with one hundred seventy five (175) Maltese indigenous trees;
- Planting of such trees shall be carried out on the site indicated in approved site plan PA4605/06/65AB;
- The remaining Twenty Four (24) Maltese indigenous trees shall be planted on a site that is to be identified within 9 months from the issue of this development permit.

18. The developer shall ensure that the following noise levels are strictly adhered to:

Construction Phase

The max noise level from the nearest schemed residential area shall not exceed 65 db during day time and 40 db after sunset.

Operational Phase

The max noise level from the nearest schemed residential area shall not exceed 50 db during day time and 40 db after sunset.

Should the background noise level exceed the above mentioned maximum noise level a maximum of 10db will be permitted above the background noise level.

19. All solid waste management, storage and treatment processes are to take place separately and enclosed within buildings.
20. The developer shall take all possible precautionary measures to ensure that dust emissions are kept to the bearest minimum. Details of this are to be included in the Construction Management Plan as per condition 3.

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21. The lighting scheme shall be carried out in accordance to approved plan PA4605/06/65AE.
- The Security Lighting shall work between sunset to sun rise when the pillar lamps are not in use.
 - The Emergency Lighting to be used at any time according to the needs of the emergency required.
- The Pillar Lamps shall be switched after sunset. These can only be used when the plant is in operation and not later than 0000 hrs.
22. The existing rain water channel that passes through the site to the proposed family park shall not be altered in such a manner so as to receive rainwater of the existing plant. An overflow from the existing clean water reservoir to the water channel is being approved as indicated in the utility plan PA 4605/06/65AD.
23. The entrance to the MTP building shall have floor gutters leading to and connected to the process water reservoir. This gutter shall be wide enough to ensure that there is no water ingress to the MTP plant.
24. All operations, permitted by this full development, is limited to a maximum operating capacity of 71,000 tonnes per annum.
- 25.
- i) In order to ensure compliance with the Construction Management Plan, the Waste Management Permit, the Environmental - Operating Permit, the permit conditions and drawings, the applicant shall at his expense shall set up a full time Operational Monitoring Team (OMT). The composition and CVs of the OMT shall be submitted for approval by the MEPA at least four weeks prior to the commencement of works and in time for the setting up of a monitoring programme that shall be approved by MEPA. The applicant shall enter into a legal agreement with the OMT and MEPA which shall cover the validity period of this development permission. The OMT shall also include suitably qualified personnel to monitor environmental aspects of the development as required by permit conditions. The OMT shall be located on site at a site office provided by the applicant.
 - ii) The OMT shall not have full executive powers which shall remain vested in the Director of Planning. The OMT shall submit a fortnightly report to MEPA including observations and recommendations on the progress of works.
 - iii) In the event that permit conditions are not adhered to or work practices are resulting in environmental impacts, the OMT shall notify the MEPA immediately of any breach and shall consult with the MEPA about remedial measures to be taken.
26. The development hereby permitted shall not be brought into use until the Final Compliance (Completion) Certificate, certifying that the development has been carried out in full accordance with the drawings approved by this permission and with the other conditions imposed in this permission, has been issued by the Malta Environment & Planning Authority. Prior to the issuing of any Compliance Certificate for this development, this applicant shall submit, to MEPA,
- i) certification from the director of the Civil Protection Department confirming that the development fully satisfies the requirements of the risk assessment and that all preventive and mitigation measures have been taken in place.
 - ii) certification from the OMT and the EMT that works have been carried out according to this development permission.

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27. The following conditions are imposed by the Civil Protection Department and the Public Health and shall be complied with prior to the commencement of the use hereby permitted:

a) Prior to the operation of the plant, the applicant shall submit a Risk Assessment Report to the Civil Protection Department for their approval

b) The Applicant shall take all necessary measures to prevent this development from being a statutory nuisance to neighbouring properties from emit fumes, gases, dust, steam, odour, noise or having accumulated deposits that are prejudicial to health or a nuisance and that all building regulations are adhered to at all times.

The applicant shall consult the Civil Protection Department and the Department of Public Health during the construction phase of the development hereby approved, to ensure that the development is carried out in conformity with the conditions imposed by the same departments.

This permit is granted saving third party rights. The applicant is not excused from obtaining any other permission required by law. The applicant should contact the following regarding the location and provision of services prior to commencing development:- Enemalta, Water Services Corporation, Maltacom, Drainage Department and Cable Network Operators.



Andrew Calleja
Chairman
MEPA

To: Mr. Vince Magri
WasteServ Malta Ltd
Phoenix Buildings
Old Railway Track
St. Venera

Date: 27 September,
2005
Our Ref: PA 02838/03

Application Number: PA 02838/03
Application Type: Outline development permission
Date Received: 16 May, 2003
Approved
Documents : PA 02838/03/74A Site plan
PA 02838/03/74B Proposed General Layout

Location: Sant Antnin Waste Treatment Plant off, Triq Wied iz-Ziju, M'Scala
Proposal: Part demolition of existing plant and upgrading of the existing facility to
accommodate a material recovery facility, a mechanical treatment plant, a
digestion plant and a composting plant.

Development Planning Act 1992 Section 33 Outline Development Permission

The Malta Environment & Planning Authority hereby grants outline development permission in accordance with the application and plans described above, subject to the following conditions :

1. No work shall commence on site until full development permission has been granted for the development. If the full development permission is to be applied for in phases, a master plan specifically indicating the phases of the project and the number of planning applications required shall be submitted as a first stage of the full development planning process for the whole project. This master plan should be submitted for the approval of the Malta Environment & Planning Authority within five years of the date of this outline development permission, that is by 27th September 2010.
2. The full development permission will be subject to a planning obligation to secure environmental improvements and a bank guarantee to secure adherence to permit conditions and monitoring requirements.
3. All operations, as described in the EIA, permitted by this outline development permission, limited to a maximum operating capacity of 71,000 tonnes per annum, are subject to an environmental permit. The environmental permit shall address all mitigation measures outlined in the certified EIS and any other relevant issues. The applicant shall in submitting detailed proposals for environmental permit, demonstrate that the operations of the plant will be carried out in an environmentally

4. The following traffic management details shall be submitted as part of the first stage of the Full Development Application:

- Designs for the upgrading of the two junctions between the link road 26-134 and the main routes, Route 26 and Route 134 respectively.
- Designs and upgrading of the site access including alignment of existing exit/entry gates, visibility splays etc. according to Drawing SA 10/3 of the EIS
- The relocation of the existing bus stop on route 26 which will be affected by the junction improvement.
- Full parking provision and parking details indicating bay boundaries as well as circulation and manoeuvring space. No direct access onto Route 26 will be permitted unless it is used in cases of emergency.
- Design and details of haul roads inside the development.
- A routing agreement.

All the above requirements will be subject to the approval of the Malta Transport Authority.

5. A detailed landscaping plan must be submitted with the Full Development Permit Application showing:

- any existing soft landscaping;
- landscaping to be retained;
- proposals for the retention and incorporation of any existing dry stone walls;
- new planting (with species and numbers);
- any earth mounding;
- hard landscaping (including roads, footpaths and other areas);
- all fencing and walling;
- any street furniture;
- soft and hard ground cover;

and proposals for landscape maintenance.

6. A detailed lighting scheme shall be submitted with the full development application. All lighting shall be of low level design to minimise light emissions. Lighting shall be sited below the eaves of the buildings. Full lighting shall be only required during the early morning and late evenings periods during winter. Only limited lighting shall be provided for security purposes at night-time. All lights shall be directional in order to minimize light spill, glare and sky glow, and shall be aligned to ensure that the upper limit of the main beam does not exceed 90 degrees from its downward vertical.

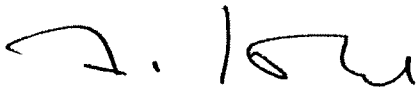
7. A Construction Management Plan shall be submitted with the Full Development Permission Application. It shall show:

- all construction access points;
- storage areas for materials and plant;
- a construction programme, including details of the timing and phasing of the development taking account of any existing plant operations;
- how demolition, excavation and development is to be carried out;
- protection measures for retained buildings, structures and landscapes;
- protection measures for the safety of pedestrians/vehicles;
- the location of disposal sites for material from demolition and excavation, and the means and routing of transport to disposal sites;

8. Detailed plans, elevations and sections (Scale 1:100) of all buildings must be submitted as part of the full Development Permit Application. These must demonstrate the form, size and scale of each building and their relationship to each other. They should include: site sections, including at least two N-S and two E-W (Scale 1:500); a schedule of proposed materials and colours; and photomontages of long views of the site. The design should consider the use of non-reflective materials to reduce visual impact.
9. The Full Development Permit application should also include a plan showing:
 - the layout of all utilities (Scale 1:500), including connections to public networks,
 - any proposed sub-stations and plant rooms,
 - location of all pumping facilities,
 - water tank/reservoir (including rainwater collection facilities),
 - cesspits and proposals for all waste disposal.

Information must be provided on estimated peak demand for water, power and drainage (including requirements for landscaping). The utility proposals must demonstrate how these requirements are to be satisfied and comply with the Final Sewerage Master Plan. Undergrounding of all utilities is an essential requirement, with tunnelling as the preferred method.

10. a) It should be noted that a third party may have the right of appeal against this permission. This permission may be revoked by the Planning Appeals Board or quashed by the Court of Appeal.
- b) This outline development permission does not remove or replace the need to obtain the consent of the land/building owner to this development before it is carried out. Furthermore, it does not imply that consent will necessarily be forthcoming nor does it bind the land/building owner to agree to this development. Where the land/building is owned or administered by the Government of Malta a specific clearance and agreement must be obtained for this development from the Land and/or Estate Management Departments.
- c) This permission is subject to any other approval or clearance which may be required from other Government Departments and entities.



Francis Tabone
Board Secretary
MEPA

feel aggrieved about the decision. You may either :

- (i) Request the Malta Environment & Planning Authority to reconsider the decision; or
- (ii) Appeal to the Appeals Board against the decision.

Time Limits

- (i) Requests for reconsideration MUST be made within 30 days of the receipt of the decision by the applicant;
- (ii) Appeals to the Appeals Board MUST be made within 30 days of the receipt of the decision by the applicant;

Where a request for a reconsideration of a decision by the Malta Environment & Planning Authority has been made within the time limit set above, the 30 day period for making an appeal starts when the Authority's reply on the reconsideration is received, and if no reply is received within 30 days, the period for making an appeal commences on the date on which the Authority should have determined the reconsideration, ie 30 days from the date on which the request for reconsideration was received by the Authority.

Fees for Requests for Reconsiderations and Appeals

In either case there is a fee to be paid, which should accompany the request for Reconsideration or the Appeal. The fees are :

- for a Reconsideration 3% of the Development Permit Fee paid in respect of the original application subject to a minimum of Lm 30.00.
- for an Appeal 5% of the Development Permit Fee paid in respect of the original application subject to a minimum of Lm 80.00.

Form of Requests for Reconsiderations and Appeals

Requests for Reconsideration and Appeals should be submitted on the appropriate form, and accompanied by the fee. In addition a statement setting out the reasons for the request for reconsideration should be submitted. This statement should be detailed and directed towards the reasons or for the imposition of condition(s) as appropriate. It MUST contain the reasons for requesting reconsideration. The appeal must be accompanied by an application containing grounds for the appeal and the request of the appellant.

The request for reconsideration should be either submitted by hand directly to the Planning Shop, Block 1, St. Francis Ravelin, Floriana or sent by post to the Secretary, Development Control Commission, The Malta Environment & Planning Authority, St. Francis Ravelin, Floriana, PO Box 200, Valletta CMR 02. The Appeal should be either submitted by hand directly to the Planning Appeals Board Secretary, Block 2, St. Francis Ravelin, Floriana, or sent by post to Malta Environment & Planning Authority Appeals Board, PO Box 172, Valletta.

Requests for Reconsideration and Appeals must also be accompanied by the receipts showing that the Building Levy due in respect of the application has been paid.