

ANNEX 1



Permit with introductory note

Integrated Pollution Prevention and Control Regulations

*WasteServ Malta Ltd.
Incinerator for Abattoir and Hazardous Waste
(including clinical waste)
Marsa*

Permit number

IP 0004/07

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Introductory note

This introductory note does not form a part of the Permit

The following Permit is issued under Regulation 14 of the Integrated Pollution Prevention and Control Regulations 2002 as amended by LN230 of 2004 ("the IPPC Regulations") to operate an installation carrying out activities covered by the description in Section 5.1 in Annex 1 of the IPPC Regulations, to the extent authorised by the Permit, i.e.

- *Installations for the disposal or recovery of hazardous waste (Operations R1,R5, R6, R8 and R9) exceeding 10 tons per year.*

Aspects of the operation of the installation which are not specifically regulated by conditions in the Permit may also be subject to the condition implied by Regulation 15 (4) of the IPPC Regulations, which require the Operator to use the best available techniques for preventing or, where that is not practicable, reducing emissions from the installation.

Techniques include both the technology used and the way in which the installation is designed, built, maintained, operated and decommissioned.

In some sections of the Permit conditions require the Operator to use Best Available Techniques (BAT), in each of the aspects of the management of the installation, to prevent and where that is not practicable to reduce emissions. These conditions do not explain what is BAT.

A non-technical description of the installation is given in the Application, but the main features of the installation are as follows:

To provide a way for Malta to dispose of various waste streams through incineration – abattoir waste, clinical waste, and other hazardous waste such as spent solvents and sludges. (Sections 1.1 – 1.5 of the Introduction of the application document)

Note that the Permit requires the submission of certain information to the Authority, as specified in this Permit. In addition, the Authority has the power to seek further information at any time under the IPPC Regulations provided that it acts reasonably.

Public Registers

- ^a This IPPC Permit and application is available to the public through the MEPA website in accordance with the requirements of the IPPC Regulations. (*The applicant has made a request for certain information of a commercial nature to be withheld from the public.*) MEPA has been supplied with all this information and has accepted the request of the applicant, because it was deemed to be commercially confidential or contrary to national security. A non technical summary has however been included in the Introduction of the Application.

Variations to the Permit

This Permit may be varied at any time in the future (by the Authority serving a Variation Notice on the Operator). If the Operator himself wants any of the Conditions of the Permit to be changed, a formal Application must be submitted to MEPA.

The Status Log within the Introductory Note to any such Variation Notice will include summary details of this Permit, variations issued up to that point in time and state whether a consolidated version of the Permit has been issued.

Surrender of the Permit

Before this Permit can be wholly or partially surrendered, an Application to surrender the Permit has to be made to the IPPC Committee of MEPA by the Operator. For the application to be successful, the Operator must be able to demonstrate to the Authority that there is no pollution risk and that no further steps are required to return the site to a satisfactory state.

Transfer of the Permit or part of the Permit

Before the Permit can be wholly or partially transferred to another person, an Application to transfer the Permit has to be made to MEPA, by the existing and proposed holders jointly. A transfer will be allowed unless the Authority considers that the proposed holder will not be the person who will have control over the operation of the installation or will not comply with the conditions of the transferred Permit. If, however, the Permit authorises the carrying out of a specified waste management activity, the transfer will only be allowed if the proposed holder is also considered to be technically competent person.

Status Log:

Detail	Date	Comment
Application IPPC 0004/07	Received February 2007	
Response to request for information	Request dated 11-04-07 13-05-07 24-07-06 08-08-07 27-08-07	Response dated 02-05-07 21-06-07 03-08-07 8,10,22 – 08 – 07 29-08-07 20-09-07 (consolidated version)
Permit determined	31-10-07	

End of introductory Note

PERMIT

Integrated Pollution Prevention and Control Regulations 2002
as amended by :LN230 of 2004

Permit number

IP 0004/07

The Malta Environment and Planning Authority (MEPA or the Authority) in exercise of its powers under Regulation 14 of the Integrated Pollution Prevention and Control Regulations 2002 (LN 234 of 2002) as amended by (LN 230 of 2004), hereby authorises:

WasteServ Malta Ltd ("the Operator" and "The Permit Holder"),

Of/ whose Registered Office (or principal place of business) is
Phoenix Building, Old Railway Track, Sant Venera, HMR 06

Company registration number C 30560


To operate the installation for the incineration of abattoir waste, clinical waste, hazardous waste and non-hazardous waste at:

The Civil Abattoir in the industrial zone of Marsa (see development permit PA 2201/01)

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

Signed

Date

	12/12/07
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Authorised to sign on behalf of MEPA (the Authority)

Name in Block letters

ANDREW CALLEJA

ID Number:

12757 (H)

Conditions

1. General

- 1.0.1 These permit conditions shall be read in conjunction with the IPPC Application received in February 2007, as subsequently clarified and recorded in the status log above, in the final version of September 2007 (Version 6; 20th September 2007), which form an integral part of these permit conditions.
- 1.0.2 The waste incineration plant shall be operated as described in the IPPC Application (Version 6; 20th September 2007) taking into account the changes derived from the operating conditions set out in this permit..
- 1.0.3 A site map of the waste incineration plant shall be made available to the staff.
- 1.0.4 When the qualification "unless otherwise agreed in writing" is used elsewhere in this Permit, the Operator shall seek such agreement by sending to the Authority written notice of the details of the proposed method(s) or techniques.

1.1 Description of the plant

- 1.1.1 The Incineration Plant comprises the components and activities listed in sections 1.22 and 1.23 of the IPPC application document (Version 6; 20th September 2007) which are described in detail therein.
- 1.1.2 These activities shall not extend beyond the Site, as shown on the Site Plan in the Schedule 3 to this Permit.
- 1.1.3 The design parameters of the incineration plant shall be as specified in Table 1.1.3 below;

Table 1.1.3: Design parameters of the incineration plant

Parameter	Value	Unit
maximum thermal capacity	5.7	MW
minimum thermal capacity	4.3	MW
maximum waste throughput	3.5	t/h
maximum chlorine content of mixed waste during a half hourly feed rate	1	%
maximum PVC content	1.9	%
maximum flue gas volume at stack*	14,700	m3/h
Temperature at stack	160	°C

Parameter	Value	Unit
max. calorific value of waste mix	5	MJ/kg
min. calorific value of waste mix	15	MJ/kg
steam pressure	11	bar (abs.)
steam temperature	180	°C
max. accumulation of slag	205	kg/h
max. accumulation of boiler ash	12	kg/h
max. accumulation of fly ash	68	kg/h
waste water from bin washing	300	l/h

PVC...Polyvinylchloride

* referred to 0°C, 1,013 mbar, 11 % O₂ and wet flue gas

1.2 Waste categories to be incinerated:

1.2.1 In the first year of operation, the operator has to elaborate a definitive list of accepted waste according to the results of the waste analysis carried out in the previous year. This list has to be submitted to MEPA together with an interpretation report taking into account the resultant emission in order to get a final permitted waste catalogue.

1.3 Information to the public

- 1.3.1 The waste incineration plant shall be open to the public one day per year. Date, time and location shall be published beforehand.
- 1.3.2 Public access to emission data (most recent half hour average values and daily average values plus results from the most recent discontinuous measurements) shall be enabled via Internet.
- 1.3.3 The Marsa and Paola Local Councils may, jointly and in agreement with MEPA, establish an independent ambient air monitoring system covering particulate matter, nitrogen oxides and sulphur oxides, as well as any other parameters that may be agreed with MEPA, at the expense of the permit holder.
- 1.3.4 The Marsa and Paola Local Councils may, in agreement with MEPA, jointly appoint an independent expert to assist in the interpretation of the emission data made publicly available pursuant to condition 1.3.2.

1.4 Management Condition

- 1.4.1 Without prejudice to the other conditions of this Permit, the Operator shall implement and maintain a management system, and an organisational structure and allocate resources that are sufficient to achieve compliance with the limits and conditions of this Permit.

1.4.2 The operator shall within 6 months from the granting of the permit, submit a plan for the implementation of an environmental management system. This plan shall include the objective of attainment of certification to MSA EN ISO 9001 within two (2) years and of certification to EMAS or MSA ISO EN 14001 within five (5) years. The permit holder shall inform the Authority of progress achieved in the implementation of this plan every 6 months. The expected scope of certification shall be stated in the plan.

1.4.3 Independent of any environmental management system, the Operator shall be responsible for making use of the services of an ADR (The European Agreement concerning the International Carriage of Dangerous Goods by Road) certified carrier for transport of chemicals and hazardous wastes on land.

1.5 Implementation Programme

1.5.1 The Operator shall complete the steps specified in Table 1.5.1 below 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 each such requirement.

Table 1.5.1: Information to be submitted		
Reference	Requirement	Date
1	Submission of an odour panel for the Marsa plant to give evidence of the efficiency of mitigation measures.	To be submitted within 3 months of issue of permit
2	Submission of monitoring data from plant acceptance tests	Monitoring reporting to take place 2 month after completion of qualification
3	Plan showing sewer emission points	To be submitted before operation
4	Results of analyses from main waste components (delivered to and released by the waste incineration plant) to be submitted to MEPA	Within 3 months from start of operation and immediately after new waste categories are incinerated after obtaining prior approval by MEPA
5	The energy and mass balance sheet (Appendix 6 of the Application Documents) has to be updated and communicated to the authority	Within 6 months after acceptance test.
6	Furthermore, the energy and mass balance sheet (Appendix 6 of the Application Documents) has to be updated and communicated to the Authority	Within 1 month before expiring of this permit.

7	Standard operating procedures (SOP) of all relevant activities shall be sent to MEPA. Updated SOPs shall be submitted as soon as they become available	Within six months after commissioning.
8	Emergency plan covering safety, security and pollution control aspects	Prior to acceptance of hazardous waste.
9	A furnace capacity diagram, as shown in the brochure "Modification of the Public Abattoir Incinerator to Treat Additional Waste Streams, Marsa; Environmental Impact Assessment – Addendum"	To be submitted before operation
10	Drawing of temporary storage area for sludge and solvents, with a description of how the anticipated storage time of 2 days is going to be achieved	Prior to acceptance of hazardous waste

1.6 Operational Changes

- 1.6.1 The Operator shall seek the Authority's written agreement to any operational change by sending to the Authority: written notice of the details of the proposed change including an assessment of its possible effects (including waste production) on risks to the environment from the Permitted Installation; any relevant supporting assessments and drawings; and the proposed implementation date.
- 1.6.2 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.
- 1.6.3 Any such method(s) or techniques shall not be implemented until agreed in writing by the Authority. As from the agreed implementation date, the Operator shall operate the Permitted Installation using that method or technique, and relevant provisions in the Application shall be deemed to be amended.

2 Waste Management

2.1 Permitted wastes

2.1.1 Permitted categories and types of wastes

- 2.1.1.1 No wastes other than those wastes which are categorised in Section 3.7, page 3-3 to page 3-15 of the IPPC application shall be accepted at the site.
- 2.1.1.2 Any waste that seems to be falling under a 99 code must be specifically authorised by the Authority as waste deemed acceptable to be accepted at the incinerator.

2.2 Waste Delivery

- 2.2.1 Waste shall only be delivered to the plant by licensed waste carriers registered with the Authority and also registered with WasteServ.
- 2.2.2 Within the first three month of operation specific delivery time frames for each waste category shall be established and communicated to licensed waste carriers and MEPA.
- 2.2.3 Authorised waste carriers are to bring the waste on site for the operations authorised by this permit only by the times within the times frames specified in Table below.

Table 2.2.3 Permitted operating hours	
Specified waste management operations	Permitted hours
Disposal operations of Non Hazardous waste	Monday – Tuesday, Thursday - Saturday 0600hrs-1800hrs Wednesday 1400hrs-1800hrs
Disposal operations of Hazardous waste	Monday – Tuesday, Thursday - Saturday 0600hrs-1800hrs Wednesday 1400hrs-1800hrs

- 2.2.4 Slag (bottom ash) and ashes (fly ash, boiler ash) shall be transported on site according to Table 2.2.3 above. Residues are to be transported in closed containers.
- 2.2.5 The Operator is to keep up to date records of waste input (waste categories plus European Waste Catalogue codes, mass of each waste category), storage of waste (including storage time) and all waste categories produced by the waste incineration plant during operation, maintenance and shut-down periods. Such a system of record keeping will include records of waste categories (including waste codes), quantities, information on the frequency of collection of such wastes, the date of removal from site, the mode of transport, information on where such wastes are deposited, as well as information on any treatment/s applied. A report shall be submitted to MEPA on a yearly basis containing all relevant data.
- 2.2.6 Bottom ash, Fly ash and boiler ash shall be separately collected. Proper disposal of solid residues from incineration must be secured by signed long term contracts. A copy of these contracts have to be submitted to the Authority prior to plant operation.
- 2.2.7 Prior to determining the routes for the disposal or recycling of the residues from the incineration plant, appropriate tests shall be carried out to establish the physical and chemical characteristics and the polluting potential of the different incineration residues.
- 2.2.8 A representative sample of bottom ash, boiler ash and fly ash shall be taken 12 times a year within the first two years of operation and analysed for the following parameters:
- 2.2.8.1 Total content of total organic carbon (TOC), dioxins and furans (PCDD/F, I-TEQ), loss on ignition, Cd, Cu, Al, Cr, Hg, Pb, Ni, Zn
 - 2.2.8.2 Total soluble fraction and heavy metals soluble fraction, pH, conductivity

- 2.2.9 The operator shall indicate prior to commencement of operations whether the ash will be stabilised on site or elsewhere. If stabilised elsewhere the routes of transportation and measures for the containment of unstabilised ash shall be communicated in advance to the Authority and subject to the approval of the Authority.
- 2.2.10 Results of the analyses shall be stored on site for a period of at least three years and shall be made available to MEPA every three month. After two years of operation frequency of sampling may be reduced by MEPA depending on the quality of the residues.
- 2.2.11 All data provided by the waste owners must be based upon certified laboratory analyses effected by accredited laboratories or laboratories in the process of accreditation, as confirmed by the National Accreditation Body (NAB-Malta). All analyses have to be effected according to international or European standards. If no international or European standard is available for a certain analysis, existing national standards may be proposed to the Authority (MEPA), who, following consultation with the Malta Standards Authority, shall decide about the applicability of the standard in question.
- 2.2.12 Prior to commencement of operations, the permit holder shall reach agreement with the management of the Civil Abattoir concerning the times at which waste shall be delivered to the plant.

2.3 Operating hours

- 2.3.1 The incineration plant can operate 24 hours a day for 7 days a week.
- 2.3.2 The waste Incineration plant shall be operated in order to achieve a level of incineration such that the slag and bottom ashes Total Organic Carbon (TOC) content is less than 3 % or their loss on ignition is less than 5 % of the dry weight of the material.
- 2.3.3 For the supervision of permit requirements and the control of issues relevant for waste management a Technically Competent Person has to be nominated and contact data shall be submitted to the Authority.
- 2.3.4 A responsible person should be nominated and notified to MEPA with the following duties:
- Controlling of incoming waste
 - Supervising the analysis of the incoming waste
 - Archiving of the waste samples
- 2.3.5 The archiving of the samples has to be carried out in a retrievable manner subject to quality assessment.
- 2.3.6 Each sector of the storage has to be labelled by indicating the stored waste with its main properties. Hazardous waste has to be labelled with the relevant warning symbols.

2.4 Waste recovery or disposal

- 2.4.1 The Operator shall be committed to reduce waste generation where possible.
- 2.4.2 Waste produced at the Permitted Installation shall be recycled or recovered unless technically and/or economically not viable.

- 2.4.3 Disposal of wastes is to be managed in accordance with the legal obligations of the Waste Management Regulations.
- 2.4.4 Disposal certificates should be kept on record and made available for inspection for a period of at least 5 years.
- 2.4.5 Transport of hazardous waste within the Maltese Islands should be accompanied by the necessary Consignment permits issued by the Competent Authority, applications of which may be made through the Consignment permit application form obtainable from the Competent Authority.
- 2.4.6 The Permit holder shall sign any consignment notification forms of consignments made to the facility and fill in the necessary information in the form. The operator will collect the consignee's and deposit copy forms.
- 2.4.7 The permit holder is to retain the consignee's copy and forward the deposit copy to the Competent Authority. The deposit copies could be retained by the permit holder and be sent to the competent authority in batches on a monthly basis. The consignee's copy is to be retained for at least five years.
- 2.4.8 Applications for such permits are made through the hazardous waste consignment note procedure available from the Waste Management Team Offices.
- 2.4.9 Shipment of hazardous waste abroad is to follow the obligations listed in 1013/2006 of the European Parliament and of The Council of 14 June 2006 on shipments of waste.

2.5 Delivery and Acceptance of waste

- 2.5.1 The operator shall determine the mass of each category of waste, if possible according to the European Waste Catalogue, prior to accepting the waste at the incineration plant.
- 2.5.2 Prior to accepting hazardous waste the following reception procedure shall be carried out by the operator:
 - 2.5.2.1 the checking of those documents required by Legal Notice 337 of 2001 and, where applicable, those required by Council Regulation (EC) 1013/2006 of the European Parliament and of The Council of 14 June 2006 on shipments of waste and by dangerous-goods transport regulations;
 - 2.5.2.2 the taking of representative samples, unless inappropriate, e.g. for infectious clinical waste, as far as possible before unloading, to verify conformity with the information provided by carrying out controls and to enable the Authority to identify the nature of the wastes treated. The main waste mass streams, the minimal and maximum calorific values, the maximum content of heavy metals, PCB's, Sulphur, Chloride, Fluoride and PCP's have to be identified. These samples shall be kept for at least one month after the incineration..

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2.5.3 The operator shall set up standard specifications of desired or, respectively, tolerable properties of waste categories that will be admitted for incineration at the plant. This information shall be communicated to interested waste suppliers prior to first delivery of waste.

2.5.4 At least the following relevant criteria must be defined in the standard specification (if applicable to the solid or liquid waste in question):

2.5.4.1 Physical properties:

- Softening temperature (range) [°C]
- Melting temperature (range) [°C]
- Boiling temperature (range) [°C]
- Density [kg/m³]
- Bulk density [kg/m³]
- Particle size (distribution) [mm]
- Vapour pressure at°C [hPa]
- Dynamic viscosity at°C [mPa.s]
- Kinematic viscosity at°C [m²/s]
- pH-value [-]
- Flashpoint [°C]
- Ignition temperature [°C]
- Lower explosion limit (of vapours) at°C [% by volume]
- Upper explosion limit (of vapours) at°C [% by volume]
- Lower heating value, LHV (Net calorific value) [kJ/kg]
- Higher heating value, HHV (Gross calorific value) [kJ/kg]

2.5.4.2 Chemical Properties:

- Water content [% by weight]
- Mass loss during combustion [% by weight, DS]
- Ash content [% by weight, DS]
- Content of Polychlorinated Biphenyls (PCB) [mg/kg, DS]
- Content of polychlorinated phenols (PCP) [mg/kg, DS]

- Content of Halogens [mg/kg, DS]
- Content of Sulphur, S [mg/kg, DS]
- Content of Antimony, Sb [mg/kg, DS]
- Content of Arsenic, As [mg/kg, DS]
- Content of Nitrogen, N [mg/kg, DS]
- Content of Phosphorus, P [mg/kg, DS]
- Content of Lead, Pb [mg/kg, DS]
- Content of Cadmium, Cd [mg/kg, DS]
- Content of Chromium, Cr [mg/kg, DS]
- Content of Copper, Cu [mg/kg, DS]
- Content of Nickel, Ni [mg/kg, DS]
- Content of Mercury, Hg [mg/kg, DS]
- Content of Zinc, Zn [mg/kg, DS]
- Content of Tin, Sn [mg/kg, DS]

2.5.5 Analyses prior to first delivery of waste:

2.5.5.1 Prior to first delivery of waste, all interested waste suppliers have to provide a detailed set of data describing the properties of the waste they intend to bring to the Abattoir incinerator, according to the standard waste specification given by WasteServ (see list given above, under 2.5.2).

2.5.5.2 All data provided by the waste suppliers must be based upon certified laboratory analyses effected by accredited laboratories or laboratories in the process of accreditation, as confirmed by the National Accreditation Body (NAB-Malta). All analyses have to be effected according to international or European standards. If no international or European standard is available for a certain analysis, existing national standards may be proposed to the Authority (MEPA), who, following consultation with the Malta Standards Authority, shall decide about the applicability of the standard in question.

2.5.5.3 WasteServ is obliged to verify these first set of analytical data by means of independent analyses in a laboratory approved by MEPA.

2.5.5.4 The only exception to this procedure is clinical waste, which should not be sampled or analysed.

2.5.6 Hazardous Waste shall only be accepted by the plant operator if at least the following information is available beforehand:

2.5.6.1 all the administrative information on the generating process given in the documents required by Legal Notice 337 of 2001 and, where applicable, those required by Council Regulation (EC) 1013/2006 of the European Parliament and of The Council of 14 June 2006 on shipments of waste and by dangerous-goods transport regulations;

2.5.6.2 a valid consignment permit;

2.5.6.3 mass of hazardous waste

2.5.6.4 net calorific value LHV (see above)

2.5.6.5 physical composition according to list (see above)

2.5.6.6 chemical composition of the waste (see list given above)

2.5.6.7 all other information necessary to evaluate its suitability for the intended incineration process; e.g.:

- Waste condition at 25°C:
 - homogeneous / heterogeneous
 - lumps / grain / powder
 - humid / dry
 - solid / pasty / liquid
 - one phase / two phases
 - high / low viscosity
- Description of colour
- Description of smell (without smell / feeble / intensive smell; character of smell)

2.5.6.8 the hazardous characteristics of the waste, the substances with which it cannot be mixed, and the precautions to be taken in handling the waste, at least the following properties should be given:

- Hazardous properties, e.g. explosive, oxidizing, inflammable, highly inflammable, irritant, harmful to health, toxic, carcinogenic, corrosive, infectious, toxic to reproduction, mutagenic, ecotoxic; discharges a toxic gas upon contact with air / acid / base etc.
- Solubility in water (good / slightly / partly soluble; insoluble; yields a dispersion in water)

- Miscibility with water (good / slightly / partly miscible; immiscible; yields an emulsion with water)
- Solubility in other solvents (please specify)
- Miscibility with other solvents (please specify)
- Reactions when in contact with
 - distilled water
 - hydrochloric acid HCl 0,01 mol/l
 - sodium hydroxide solution NaOH 0,01 mol/l
 - other acids / bases (please specify)
- Safety aspects for handling / storage (e.g. inhalation protection / breathing mask; eye protection / safety goggles; hand protection / safety gloves; fire prevention measures; explosion prevention measures; work hygiene measures etc.)
- Measures in case of accident / fire, e.g.:
 - recommended measures in case of spillage
 - recommended extinguishing agent
 - extinguishing agent not to be used
 - recommended binding agent
 - first aid measures to be taken

2.5.7 Analyses on each delivery of waste:

For hazardous waste, certain analyses have to be effected upon each waste delivery.

- Flashpoint [°C]
- Lower heating value, LHV (Net calorific value) [kJ/kg]
- Higher heating value, HHV (Gross calorific value) [kJ/kg]
- Water content [% by weight]
- Mass loss during combustion [% by weight, DS]
- Ash content [% by weight, DS]
- Content of Halogens [mg/kg, DS]
- Content of Sulphur, S [mg/kg, DS]

- Content of Lead, Pb [mg/kg, DS]
- Content of Cadmium, Cd [mg/kg, DS]
- Content of Chromium, Cr [mg/kg, DS]
- Content of Copper, Cu [mg/kg, DS]
- Content of Mercury, Hg [mg/kg, DS]
- Content of Zinc, Zn [mg/kg, DS]

2.5.8 In case waste is delivered on a regular basis (with the exception of abattoir waste and clinical waste) full analysis of physical and chemical parameters (see pt. 2 and 3) have to be repeated twice a year.

2.5.9 The following waste consignments have to be excluded from acceptance:

- waste consignments not meeting the standard waste specification (higher levels of contaminants, containing not specified substances)
- waste of unknown origin
- waste of suspicious nature
- waste outside the scope of this permit
- radioactive waste
- PCB waste

2.6. On-site documentation of waste acceptance and treatment procedures

2.6.1 A unique consecutive number (code) has to be assigned to each waste consignment when being delivered to the site. This number (code) must be used for all steps of the procedure, for all documents (e.g. weighing note, laboratory analysis report etc.) as well as on each sample taken from the consignment. Cross-references to relevant predecessor and consecutive documents have to be given on all documents.

2.6.2 All steps of the procedure must be documented in written form. The documents must carry the date, name, ID and the signature of the responsible operator, who carried out the action.

2.6.3 The documentation must contain at least the following documents and information given in these documents:

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2.6.3.1 A copy of the Consignment Permit (CP) according to Legal Notice 337 of 2001, containing the following information:

- Consignment Permit (CP) Number
- Name of Consignor
- Date of issue of permit
- Validity Period
- Permitted EWC code

2.6.3.2 Consignment Note according to Legal Notice 337 of 2001, containing the following information:

- Consignment Permit (CP) Number
- Date of Consignment
- Quantity of waste disposed
- Description of waste
- Carrier's certificate
- Consignor's certificate

2.6.3.3 Weighing Document, containing the following information:

- Unique, consecutive number assigned to the waste consignment upon delivery
- Weighing document number (consecutive number)
- Cross reference to Waste Consignment Permit Application (CP number)
- Cross reference to Consignment Notification (CN Number)
- Waste owner
- Waste carrier
- Weight of waste
- Registration plate of transport vehicle
- Type of waste
- Date and time of delivery
- Signature of waste carrier
- Signature of the applicant's responsible operator

2.6.3.4 Specification of waste consignment, safety aspects etc., according to the information given by the waste owner prior to first delivery.

2.6.3.5 Rejection Note informing the Authority (MEPA) about rejection of a waste consignment, containing the following information:

- Unique, consecutive number assigned to the waste consignment upon delivery
- Cross reference to Waste Consignment Permit Application (CP number)
- Cross reference to Prenotification Note (PN code)
- Cross reference to Consignment Notification (CN Number)
- Waste owner
- Waste carrier
- Weight of waste
- Registration plate of transport vehicle
- Type of waste
- Date and time of delivery
- Reason for rejection
- Signature of the applicant's representative authorized to sign
- Any other information as deemed necessary by the Permit Holder

2.6.3.6 Sample Drawing and Pre-Treatment Report, containing at least the following information:

- Unique, consecutive number assigned to the waste consignment upon delivery
- Weighing document number (consecutive number)
- Weight of waste
- Type of waste
- Date and time of delivery
- Number of samples taken
- Unique identification number assigned to each sample drawn
- Weight of each sample
- Type of vessel / container in which the sample is being kept
- Place of storage of the representative sample that has to be kept on site for at least 1 month
- Method of sample-drawing (cross-reference to standard or SOP applied)
- Description of pre-treatment and (international or European) standards or SOP applied
- Date and time of sample drawing and pre-treatment
- Signature of the applicant's responsible operator(s)

- Any other information as deemed necessary by the Permit Holder
- 2.6.3.7 Laboratory Report(s), containing at least the following information:
- Results of analyses of physical and chemical parameters
 - Identification number of the waste consignment (based upon the weighing number)
 - Date of sample delivery to the laboratory (in case of external analysis)
 - Date of analysis
 - Standard method according to which the analyses have been made
 - Contact data and signature of the laboratory technician / chemist who made the analysis
 - Information about how many samples have been analysed to get one particular result
 - Information of the confidence interval of every result
 - Information about any particular observation
 - Any other information as deemed necessary by the Permit Holder
- 2.6.4 All documents concerning one waste consignment (e.g. consignment permit, consignment note, weighing document etc.) have to be kept together and to be filed together (according to consecutive number) as soon as the waste consignment has been delivered to the plant.
- 2.6.5 The documentation must be made accessible to the Authority on the Authority's demand at any time.

2.7 Storage of waste

- 2.7.1 In general, waste (with the exception of abattoir waste and clinical waste) shall only be delivered to the plant if it can be incinerated within the next 48 hours.
- 2.7.2 Abattoir waste and clinical waste shall be stored in a cooled storage room for a maximum time of 120 hours at a maximum temperature of 8°C.
- 2.7.3 Temperature in the cooled storage area shall be measured in a representative way and controlled automatically. An Industrial generator shall enter automatically in operation in case of power supply failure.
- 2.7.4 Records and reports:
- averaged storage time (monthly averaged by weight) of each waste categories
 - times of exceedance of maximum storage time
 - temperature in the cooled storage area (monthly average)
 - utilised storage capacity on a monthly basis
- 2.7.5 Waste delivery to the plant shall be stopped prior to foreseen shutdown of the waste incineration plant (e.g. regular maintenance, cleaning of secondary combustion chamber) to reduce storage times of waste. Periods of foreseen shutdown of the waste incineration plant (e.g. regular maintenance, cleaning of secondary combustion chamber) shall be communicated to waste deliverers and to MEPA.

- 2.7.6 In order to avoid emissions to the surrounding, storage tanks for solvents and sludges have to be equipped with active carbon filters at the outlet (flap) where pressure discharge during filling of the tanks takes place. The active carbon has to be replaced regularly, and in time before its adsorbent capacity is exceeded. The active carbon has to be regenerated or disposed of by incineration. Records must be kept about active carbon filter maintenance and disposal of the used active carbon. The records have to be made accessible to the Authority on the Authority's demand at any time.

2.8 Residence time of flue gases

- 2.8.1 The residence time as well as the minimum temperature and the oxygen content of the exhaust gases shall be subject to appropriate verification when the incineration plant is brought into service and after two months of continuous operation. This shall be done under the most unfavourable operating conditions anticipated. The verification shall be repeated after any major change to the primary or secondary combustion chamber. Reports including description of the verification process, calculations done and results shall be submitted to MEPA within 30 days.

2.9 Raw and auxiliary materials

- 2.9.1 Raw and auxiliary materials (chemicals) shall be used as described in the application documents (version 6, September 20th 2007). Consumption and use of these materials shall be recorded. A yearly report of chemicals consumption (name, compounds, physical state, consumption in t/yr, kg/yr or m³/a, storage and use) shall be submitted to MEPA.
- 2.9.2 If chemicals not mentioned in the application documents (version 6, September 20th 2007) are intended to be used, authorisation shall be sought from MEPA beforehand in writing.
- 2.9.3 Chemicals bearing a risk of water pollution (listed in Annex X in the Water Framework Directive) shall not be used.

3. Emissions

3.1 Emissions to Air, (excluding Odour, Noise or Vibration) from Specified Points

- 3.1.1 This Part of this Permit shall not apply to releases of odour, noise or vibration.
- 3.1.2 Emission Limit Value (ELV) (from operating stack):
- 3.1.2.1 ELVs refer to standard conditions (Temperature 273 K, pressure 101,3 kPa) dry gas and 11 % oxygen.
- 3.1.2.2 The emission limit values listed in Table 3.1.2.2 shall not be exceeded:

Table 3.1.2.2 – Emission Limit values

Pollutant	Daily	Half Hourly (100%)	Half Hourly (97%)
	mg.Nm-3	mg.Nm-3	mg.Nm-3
Total dust	≤5	≤20	≤5
Gaseous and vapourous organic substances expressed as TOC	≤10	≤20	≤10
HCl	≤8	≤50	≤8
HF	≤2	≤2	≤2
SO ₂	≤40	≤50	≤40
NO _x expressed as NO ₂	≤180	≤350	≤180
CO ****	30 mg/m ³		100 mg/m ³ (95%)
Cadmium and Thallium and their compounds, expressed as cadmium (Cd) and thallium (Tl)	0.05 mg/m ³ *		
Mercury and its compounds, expressed as mercury (Hg)	0.05 mg/m ³ *		
Antimony (Sb), Arsenic (As), Lead (Pb), Chromium (Cr), Cobalt (Co), Copper (Cu), Manganese (Mn), Nickel (Ni), Vanadium (V) and their compounds, expressed as their native elements, respectively (TOTAL)	0.5 mg/m ³ *		
Dioxins and furans**	0.1 ng/m ³		
Ammonia as NH ₃	10 mg/m ³ ***		

* All average values over the sample period of a minimum of 30 minutes and a maximum of 8 hours

** Average values shall be measured over a sample period of a minimum of 6 hours and a maximum of 8 hours.

The emission limit value refers to the total concentration of dioxins and furans calculated using the concept of toxic equivalence as given below:

Equivalence factors for dibenzo-p-dioxins and dibenzofurans

For the determination of the total concentration (TE) of dioxins and furans, the mass concentrations of the following

dibenzo-p-dioxins and dibenzofurans shall be multiplied by the following equivalence factors before summing:

- 2,3,7,8 — Tetrachlorodibenzodioxin (TCDD) 1
- 1,2,3,7,8 — Pentachlorodibenzodioxin (PeCDD) 0,5
- 1,2,3,4,7,8 — Hexachlorodibenzodioxin (HxCDD) 0,1
- 1,2,3,6,7,8 — Hexachlorodibenzodioxin (HxCDD) 0,1
- 1,2,3,7,8,9 — Hexachlorodibenzodioxin (HxCDD) 0,1
- 1,2,3,4,6,7,8 — Heptachlorodibenzodioxin (HpCDD) 0,01

- Octachlorodibenzodioxin (OCDD) 0,001
- 2,3,7,8 — Tetrachlorodibenzofuran (TCDF) 0,1
- 2,3,4,7,8 — Pentachlorodibenzofuran (PeCDF) 0,5
- 1,2,3,7,8 — Pentachlorodibenzofuran (PeCDF) 0,05
- 1,2,3,4,7,8 — Hexachlorodibenzofuran (HxCDF) 0,1
- 1,2,3,6,7,8 — Hexachlorodibenzofuran (HxCDF) 0,1
- 1,2,3,7,8,9 — Hexachlorodibenzofuran (HxCDF) 0,1
- 2,3,4,6,7,8 — Hexachlorodibenzofuran (HxCDF) 0,1
- 1,2,3,4,6,7,8 — Heptachlorodibenzofuran (HpCDF) 0,01
- 1,2,3,4,7,8,9 — Heptachlorodibenzofuran (HpCDF) 0,01
- Octachlorodibenzofuran (OCDF) 0,001

***** only if ammonia or reagents producing ammonia are used for reduction of NOx emissions.**
Average value for ammonia shall be measured **over a sample period of a minimum of 0.5 hours and a maximum of 8 hours**

****** The emission limit values of carbon monoxide (CO) concentrations shall not be exceeded in the combustion gases (excluding the start-up and shut-down phase):**

- 30 milligrams/m3 of combustion gas determined as daily average value;
- 100 milligrams/m3 of combustion gas of at least 95 % of all measurements determined as 10-minute average values or 75 mg/m3 of combustion gas of all measurements determined as half-hourly average values taken in any 24-hour period.

3.1.3 Measurements for the determination of concentrations of air polluting substances have to be carried out representatively.

3.1.4 Sampling and analysis of all pollutants including dioxins and furans as well as reference measurement methods to calibrate automated measurement systems shall be carried out as given by CEN-standards. If CEN standards are not available, ISO standards, national or international standards which will ensure the provision of data of an equivalent scientific quality shall apply.

3.1.5 At the daily emission limit value level, the values of the 95 % confidence intervals of a single measured result shall not exceed the following percentages of the emission limit values:

- Carbon monoxide: 10 %
- Sulphur dioxide: 20 %
- Nitrogen dioxide: 20 %
- Total dust: 30 %
- Total organic carbon: 30 %
- Hydrogen chloride: 40 %
- Hydrogen fluoride: 40 %.

Monitoring/external control of emissions shall be in accordance with the Waste Incineration Directive (2000/76/EC).

3.1.6 In addition to the monitoring requirements listed above, the operator shall monitor continuously for the parameters listed in Table 3.1.6 below using the methods listed in the same table:

Table 3.1.6

Parameter	Standard Number	Instrument Title
Oxygen	ISO 12039:2001	Stationary Source Emissions - - Determination of carbon monoxide, carbon dioxide and oxygen - - Performance characteristics of automated

measuring systems.
Water ContentUS EPA Method 4Determination of moisture content in stack gases.
VelocityISO 10780:1994Stationary source emissions -- Measurement of velocity and volume flow rate of gas streams in ducts.
Flue gas volume ISO 14164:1999Stationary Source Emissions - - Determination of the volume flow rate of gas streams in ducts - - automated method.
Flue gas temperature Temperature SensorN/A
Flue gas pressure Pressure SensorN/A

- 3.1.7 The sampling point(s) of the continuous emissions monitor for dust must be located according to MSA EN 13284-1:2004.
- 3.1.8 The sampling point(s) of the continuous emissions monitor for gases must be located according to ISO 10396:2007.

3.2 Waste Water

- 3.2.1 Easy access to waste water reservoirs and drainage system shall be possible at any time.
- 3.2.2 Waste water reservoirs and the whole drainage system, including valves shall be checked visually on a monthly basis. Results of these checks shall be recorded appropriately and shall be made accessible to the Authority on demand at any time.
- 3.2.3 Waste water reservoirs and the whole drainage system shall be checked for impermeability by recognised experts. Results of this check shall be submitted to the Authority by experts recognised by the Authority and within 3 months of issue of the permit.
- 3.2.4 Water from roofs shall be collected separately and re-used.
- 3.2.5 Technical and organisational measures shall be taken to prevent contamination of non polluted waste water with hazardous compounds.
- 3.2.6 There shall be easy access to waste water reservoirs and (intermediate) storage systems to enable sample taking. Samples shall be taken directly before waste water is discharged to the sewer system or mixed with other waste water streams.
- 3.2.7 Disposal of Sludges from waste water reservoirs shall be communicated to MEPA and be subject to the Authority's approval.
- 3.2.8 Waste Water from bin washing shall be separately collected.
- 3.2.9 Emission limits for the discharge of waste water from bin washing into the sewerage system shall be as laid down by Water Services Corporation.
- 3.2.10 The bin washing operator has to check visually the bins used to load clinical waste after unloading for spillages. If spillages occur these bins have to be washed in the bunded area used for washing bins used to load contaminated carcasses.

- 3.2.11 Bins used to load contaminated carcasses shall be washed in a bunded yard (separated from any other activities). Waste water shall be collected in a separate container and shall not be diluted.
- 3.2.12 Representative samples shall be taken and analysed for the following parameters:
- BOD
 - COD
 - pH
 - settleable solids
 - ammonia (as N)
 - content of P
- 3.2.13 Frequency of analyses: daily within the first three month of operation and weekly afterwards
- 3.2.14 Records including volume, pollutant concentration and date of arising shall be made available to the Authority every three months.
- 3.2.15 Emission limits for the discharge of waste water from washing of bins used to load contaminated carcasses into the sewerage system shall be in accordance with conditions laid down by the Water Services Corporation.
- 3.2.16 Firewater shall be collected in a separate reservoir and analysed for relevant parameters prior to disposal. Prior to disposal the necessary permits shall be obtained.
- 3.2.17 Waste water from spills and from cleaning of trucks shall be collected in a separate reservoir and analysed for relevant parameters prior to disposal. Prior to disposal the necessary permits shall be obtained.
- 3.2.18 Water from RO/water softener brine shall be discharged in accordance with conditions laid down by the Water Services Corporation.
- 3.2.19 Water from disinfection of the shredder and the blood tank shall be incinerated .
- 3.2.20 Storage of diesel: hydrocarbon-water separators shall be installed and visually checked daily.
- 3.2.21 The operator shall not discharge any hazardous substance listed in the annexes of the Water Framework Directive (insert number)
- 3.2.22 Emissions to sewer shall only arise from the emission points specified in a plan to be submitted before operation.
- 3.2.23 There shall be no direct discharge to coastal waters without prior consent from MEPA.

3.3 Emissions to groundwater

- 3.3.1 No emission from the Permitted Installation shall give rise to the introduction into groundwater of any substance in List I and List II (as defined in the Regulations for The Protection of Groundwater against Pollution caused by Certain Dangerous Substances,

3.4 Odour

- 3.4.1 The Operator shall use BAT so as to prevent or where that is not practicable to reduce odorous emissions from the Permitted Installation, in particular by:

- 3.4.1.1 reduced waiting times for trucks delivering waste
 - 3.4.1.2 quick transfer of waste into cooled storage areas
 - 3.4.1.3 controlling the storage conditions of waste
 - 3.4.1.4 optimising the performance of the waste feeding system
 - 3.4.1.5 timely monitoring, inspection and maintenance
 - 3.4.1.6 employing, where appropriate, an approved odour management plan
- provided always that the techniques used by the Operator shall be no less effective than those described in the Application, where relevant.
- 3.4.2 All emissions to air from the installation shall be free from offensive odour.
- 3.4.3 Complaints by neighbours shall be recorded in a complaint book. Adequate technical and organisational measures shall be taken to respond to complaints.

3.5 Emissions to Land

- 3.5.1 This Part of this Permit shall not apply to emissions to groundwater.
- 3.5.2 No emission from the Permitted installation shall be made to land.
- 3.5.3 The Operator shall notify the Authority, as soon as reasonably practicable, of any information concerning the state of the Site which affects or updates that provided to the Authority as part of the Site Report submitted above.

4 Management and Technically Competent Person

- 4.0 A copy of this Permit and those parts of the application referred to in this Permit shall be available, at all times, for reference by all staff carrying out work subject to the requirements of the Permit.

4.1 Training

- 4.1.1 The Permitted Installation shall be supervised by staff that is suitably trained and fully conversant with the requirements of this Permit.
- 4.1.2 All staff shall be fully conversant with those aspects of the Permit conditions which are relevant to their duties and shall be provided with adequate professional technical development and training and written operating instructions to enable them to carry out their duties.
- 4.1.3 The Operator shall maintain a record of the skills and training requirements for all staff whose tasks in relation to the Permitted Installation may have an impact on the environment and shall keep records of all relevant training.

4.2 Maintenance

- 4.2.1 All plant and equipment used in operating the Permitted Installation shall be maintained in good operating condition.
- 4.2.2 The Operator shall maintain a record of relevant plant and equipment covered by condition above and for such plant and equipment:
 - 4.2.2.1 A maintenance programme in writing or electronic format; and
 - 4.2.2.1 Maintenance records.

4.3 Incidents and Complaints

- 4.3.1 The Operator shall maintain and implement written procedures for:
 - 4.3.1.1 taking prompt remedial action, investigating and reporting actual or potential non-compliance with operating procedures or emission limits and if such event occur;
 - 4.3.1.2 investigating incidents, (including any malfunction, breakdown or failure of plant, equipment or techniques, down time, any short term and long term remedial measures and significant events) and prompt implementation of appropriate actions; and
 - 4.3.1.3 ensuring that detailed records are made of all such actions and investigations.
- 4.3.2 The Operator shall record and investigate complaints concerning the Permitted Installation's effects or alleged effects on the environment. The record shall give the date and nature of complaint, time of complaint, name of complainant (if given), a summary of any investigation and the results of such investigation and any actions taken.

4.4 Attendance of Technically Competent Persons

- 4.4.1 Attendance of the technically competent person(s) at the Site shall be recorded in the Site diary on arrival and departure.
- 4.4.2 For the whole operational hours, the Technically Competent Person/s shall be physically in attendance at the Site.
- 4.4.3 The Permit Holder shall submit immediately to the Authority a 24-hour 7 day a week, telephone number/s on which the Authority may reach the Technically Competent Person/s of the Site.

4.5 Changes in Technically competent Persons

- 4.5.1 Any changes in technically competent management (Person/s) and the name of any incoming person together with evidence that such person has the required technical competence shall be submitted to the Authority in writing within 5 working days of the change in management.

4.6 Maintenance of Financial Provision

- 4.6.1 The financial guarantee for meeting the obligations under this Permit is of Lm10,000 (ten thousand Maltese Liri) and shall be provided and maintained by the Permit Holder throughout the subsistence

of this Permit, and the Permit Holder shall produce evidence of such provision whenever required by the Authority.

4.7 Energy Efficiency

- 4.7.1 The Operator shall produce a report on the energy consumed at the Permitted Installation over the previous calendar year, by the end of the first quarter of each year.
- 4.7.2 The Operator shall design, maintain and implement annually an energy management system which shall include, in particular, the monitoring of energy flows and targeting of areas for improving energy efficiency.

4.8 On-site Monitoring

- 4.8.1 The Operator shall maintain records of all monitoring taken or carried out (this includes records of the taking and analysis of samples instrument measurements (periodic and continual), calibrations, examinations, tests and surveys) and any assessment or evaluation made on the basis of such data, for at least a period of 5 years.
- 4.8.2 Monitoring equipment and techniques, personnel and selection of organisations employed for the emissions monitoring programme in this Permit shall be included in the scope of the management system subject to the ISO 9001 certification referred to in condition 1.4.2.
- 4.8.3 There shall be provided safe and permanent means of access to enable sampling/monitoring to be carried out in relation to the emission points already mentioned in this Permit; and safe means of access to other sampling/monitoring points when required by the Authority.
- 4.8.4 A certificate from an independent expert approved by the authority has to be submitted to the Authority before acceptance tests by the latest, which certifies that the sampling points and points of measurement are in line with international standards.

4.9 Raw gas monitoring

- 4.9.1 During the first year of operation of the incinerator, raw gas monitoring has to take place.
- 4.9.2 In Appendix 6 ("Waste sample mix and operating parameters") of the Application Documents, Version 6 of September 20th 2007. the following three relevant operating parameters and waste input mixtures are described:
- 100% boiler load, incinerating Design Waste (i.e. the most probable and representative waste mixture)
 - 100% boiler load, incinerating waste mixture "Worst Case A" (i.e. a waste mixture with minimum lower heating value, LHV, and maximum ash content)

- 100% boiler load, incinerating waste mixture "Worst Case W" (i.e. a waste mixture with minimum lower heating value, LHV, and maximum water content)
- 4.9.3 For each of these three points of operation (i.e. specified waste input mixtures and boiler load of 100%), raw gas monitoring has to be effected within the first 365 days of operation (i.e. within the first 365 days after hot commissioning).
- 4.9.4 The incinerator has first to be brought into continuous operation modus. After having kept up continuous operation in this state for at least six hours, raw gas monitoring has to take place.
- 4.9.5 The concentration of all relevant air emission pollutants as per Table 3.1.2.2 have to be measured and monitored in the raw flue gas.
- 4.9.6 The samples for these raw gas monitoring measurements have to be taken from the raw flue gas, i.e. after the second combustion chamber, but before reaching the flue gas treatment unit.
- 4.9.7 The raw gas monitoring has to be effected by independent laboratories that are accredited or in the process of accreditation, as confirmed by the National Accreditation Body (NAB-Malta), and according to international or European standardized methods.
- 4.9.8 Records have to be kept of all actions taken during these raw gas monitoring measurements, containing
- documentation of the waste input mixtures used for the raw gas monitoring measurements: weight / throughput of each waste category, EWC numbers, origin, of the waste categories, exact time of waste being fed into the rotary kiln (according to the protocols automatically generated by the control system of the plant)
 - chemical and physical properties of the waste categories used for the monitoring measurements, based upon analyses effected on representatively drawn samples of each waste category used
 - results of emission monitoring in the raw flue gas
- 4.9.9 The results of these measurements and all relevant protocols have to be communicated to the Authority within one month after the monitoring has taken place.

4.10 Emergency stack operation

- 4.10.1 Emergency stack operation may only take place, if the plant is in an operational state that might otherwise cause danger to human beings or severe damage to the plant, e.g. acute danger of explosion. In any other case, the plant must be shut down in a controlled manner, and with the flue gas being cleaned in the flue gas cleaning unit throughout shut-down.

- 4.10.2 In case of emergency stack operation, any waste feeding into the plant must be stopped immediately and automatically, according to corresponding programming of the plant's control system. The untreated flue gas volume, that is emitted through the emergency stack, has to be reduced to the minimum flow rate, in order to minimize immissions to the surrounding. Especially the SCC burner's load must be reduced as much as possible, if the burner is kept in operation during emergency stack operation.
- 4.10.3 The duration of emergency stack operation has to be reduced to the utmost minimum.
- 4.10.4 When emergency stack operation occurs, the Authority has to be informed immediately about
- the cause for emergency stack operation
 - the estimated duration of emergency stack operation
 - the estimated emissions caused by emergency stack operation
- 4.10.5 Records must be kept about any emergency stack operation and must be submitted to the Authority within 5 days after an emergency stack operation occurred. The records must inform about
- the cause for emergency stack operation, giving technical proof for the cause by means of reports from the plant's control system etc.
 - the duration of emergency stack operation
 - the emissions caused by emergency stack operation
 - operating state of the SCC burner during emergency stack operation
- 4.10.6 A yearly report has to be generated, that recapitulates all incidences of emergency stack operation within the year of operation, and has to be submitted to the Authority within one month after the end of the year of operation. The yearly report must inform about the items mentioned under lit. d) and e) as well as suggest measures to be taken by the applicant within the following year of operation, in order to reduce the frequency and duration of incidences of emergency stack operation.

4.11 Abnormal operating conditions

- 4.11.1 The operator is responsible for operating the plant only under the operation conditions as described in this permit, for keeping emissions below emissions limit values, and to provide optimal operating conditions of the plant. This has to be provided by means of regular repair and maintenance of all equipment. A yearly report containing information about repair and maintenance work effected during the past year of operation as well as suggesting any measures

for improving the performance of the plant has to be submitted to the Authority within one month after the end of each year of operation.

4.11.2 In case of any technically unavoidable disturbances or failures, that cause discharges of the regulated substances which may exceed the prescribed emission limit values, the operator has to initiate repair measures immediately.

4.11.3. In case of exceedance of prescribed emission limit values, waste feeding into the incinerator must be stopped immediately and the Authority has to be informed immediately. Operation may only be taken up again, when adequate measures have been carried out that guarantee that the plant can operate further in accordance with all relevant requirements and permit conditions.

4.11.4 During start-up of the plant, any waste feed must be prevented as long as the prescribed minimum temperature of **XXX°C** has not been reached.

4.11.5 During operation, waste feed must be stopped immediately, if the prescribed minimum temperature of **XXX°C** is being under-run.

Comment [c1]: To be provided by WasteServ during Commissioning. It is still a reserved matter.

5 Records

5.1 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:-

5.1.1 be made available for inspection by the Authority at any reasonable time; and

5.1.2 be supplied to the Authority on demand and without charge and in the format requested; and

5.1.3 indicate any amendments which have been made and shall include the original record wherever possible; and

5.1.4 be retained at the Permitted Installation, or other location agreed by the Authority in writing, for a minimum period of 5 years from the date when the records were made, unless otherwise agreed in writing.

5.2 Handwritten Operation Record

5.2.1 The operator has to keep a handwritten logbook of the plant in form of a book in the style of a diary, hardbound, consecutively numbered, giving the exact date and time of each record. The handwritten record has to be kept at the control room of the plant at any time and has to be made accessible to the Authority on demand at any time. Every change of shift as well as the operator's employee responsible for plant operation during this shift and present in the control room must be written down. Every relevant detail of plant operation such as start-up, shut-down, emergency stack operation, any relevant observation corresponding to the plant operation, change of waste feed, failure or damage of machinery and equipment, repair and maintenance, every visit to the site etc. have to be recorded within this book.

6 Reporting

- 6.1 All reports and written and/or oral notifications required by this Permit and notifications required by Regulation 27 of the IPPC Regulations shall be made or sent to the Authority using the contact details notified in writing to the Operator by the Authority.
- 6.2 The Operator shall submit a report, specifying the monitoring results obtained during qualification of the installation as specified in the IPPC application and in this permit. This shall be submitted within two months from completion of qualification.
- 6.3 The Operator shall submit to the Authority a report on the performance of the permitted Installation over the previous year, by the end of first quarter each year, providing the information listed in Schedule 2 of this permit, in the format as prescribed by the Authority.
- 6.4 Where the Operator has a formal environmental management system applying to the Permitted Installation which encompasses annual improvement targets the Operator shall, not later than the end of first quarter of each year, provide a summary report of the previous year's progress against such targets.
- 6.5 The Operator shall, within 6 months of receipt of written notice from the Authority, submit to the Authority a report assessing whether all appropriate preventive measures continue to be taken against pollution, in particular through the application of the best available techniques, at the installation. The report shall consider any relevant published technical guidance current at the time of the notice which is either supplied with or referred to in the notice, and shall assess the costs and benefits of applying techniques described in that guidance, or otherwise identified by the Operator, that may provide environmental improvement.
- 6.6 The Operator shall submit to the Authority a report (using the European Waste Catalogue codes) setting out the types and quantities of waste accepted and incinerated, on a three monthly basis i.e. for the periods 1 April - 30 June; 1 July - 30 September; 1 October - 31 December and 1 January - 31 March, such report to be received within 1 month from the end of each period
- 6.7 A summary record of the waste types accepted, and incinerated using the European Waste Catalogue codes from the Site shall be made for each quarter of the financial year, and shall be submitted to the Authority within 1 month following the end of the quarter. The summary record shall be in a written format or any other format agreed by the Authority in writing and shall include the details as specified under condition 6.6

7 Notifications

- 7.1 The Operator shall notify the Authority immediately of:-

- 7.1.1 the detection of an emission of any substance which exceeds any limit or criterion in this Permit specified in relation to the substance;
- 7.1.2 the detection of any fugitive emission which has caused, is causing or may cause significant pollution;
- 7.1.3 the detection of any malfunction, breakdown or failure of plant or techniques which has caused, is causing or has the potential to cause significant pollution; and
- 7.1.4 any accident which has caused, is causing or has the potential to cause significant pollution.
- 7.2 The Operator shall submit written confirmation to the Authority of any notification by sending:-
 - 7.2.1 the information listed in Part A of Schedule 1 to this Permit within 24 hours of such notification; and
 - 7.2.2 the more detailed information listed in Part B of that Schedule as soon as practicable thereafter; and such information shall be in accordance with that Schedule.
- 7.3 The Operator shall give written notification as soon as practicable prior to any of the following:-
 - 7.3.1 permanent cessation of the operation of part or all of the Permitted Installation;
 - 7.3.2 As soon as practicable prior to the cessation of the operation of the plant for a period likely to exceed 1 month
 - 7.3.3 At least 10 working days prior to the resumption of the incinerator plant operations after a cessation.
- 7.4 The Operator shall notify the following matters to the Authority in writing within 10 working days of their occurrence:
 - 7.4.1 Where the Operator is a registered company:
 - any change in the Operator's trading name, registered name or registered office address;
 - any change to particulars of the Operator's ultimate holding company (including details of an ultimate holding company where an Operator has become a subsidiary)
 - any steps taken with a view to the Operator going into administration, entering into a company voluntary arrangement or being wound up;
 - 7.4.2 Where the Operator is a corporate body other than a registered company:
 - any change in the Operator's name or address;
 - any steps taken with a view to the dissolution of the Operator.
 - 7.4.3 In any other case:
 - The death of any of the named Operators (where the Operator consists of more than one named individual);
 - any change in the Operator's name(s) or address(es);
 - any steps taken with a view to the Operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case them being in a partnership, dissolving the partnership;

8 Interpretation

8.1 In this Permit, the following expressions shall have the following meanings assigned to them, except where the context otherwise requires. All other terms shall have the same meaning as that assigned to them in the Integrated Pollution Prevention and Control Regulations 2002 as amended by LN230 of 2004, and the Waste Management (Permit and Control) Regulations, 2001, as published by Legal Notice 337 of 2001, and the Waste Management (Landfill) Regulations, 2002, as published by Legal Notice 168 of 2002, or any statutory provisions or regulations amending or replacing them:

"Abattoir Waste"

Shall mean 'animals and animal by products for disposal'.

"Accepted"

For waste being delivered to the Site, shall mean accepted as waste input to the Site for storage and/or processing and/or disposal under the specified waste management operations;

"Application"

means the application for this Permit, together with any response to a notice served under Regulation 4 to the IPPC Regulations and any operational change agreed under the conditions of this Permit.

"Authorised officer of the Authority"

means any officer of the Authority authorised in writing pursuant to Part X of the Environment Protection Act 2001 to exercise any of the powers specified in Part X of that Act;

"background concentration"

means such concentration of that substance as is present in:

- water supplied to the site; or
- coastal water sampled from a location free from anthropogenic influence which could release that substance into water; or
- where more than 50% of the water used at the site is directly abstracted from ground or surface water on site, the abstracted water; or
- where the Permitted Installation uses no significant amount of supplied or abstracted water, the precipitation onto the site.

"BAT"

means best available techniques meaning the most effective and advanced stage of development of activities and their methods of operation which indicates the practical suitability of particular techniques to prevent and where that is not practicable to reduce emissions and the impact on the environment as a whole. For these purposes: "available techniques" means "those techniques which have been developed on a scale which allows implementation in the relevant industrial sector, under economically and technically viable conditions, taking into consideration the cost and advantages, as long as they are reasonably accessible to the operator"; "best" means "in relation to techniques, the most effective in achieving a high general level of protection of the environment as a whole" and "techniques" "includes both the technology used and the way in which the installation is designed, built, maintained, operated and decommissioned."

"Consequences"

for **risk assessments** carried out within these conditions, means the adverse effects of harm as a result of realising a **hazard** that cause the quality of human health (other than health and safety of Site staff or visitors to the Site covered under other Health and Safety legislation) or the environment to be impaired in the short or longer term;

"Container"

means a container which does not permit either the ingress or egress of liquids, or the escape of dusts or wastes contained within it;

"Engineer"

for engineering works specified in these conditions, means a person who works in the relevant branch of engineering and possesses a warrant to carry out the profession of an engineer in Malta.

"Engineered"

for works specified in these conditions, means carried out and completed using the relevant engineering process specified in these conditions;

"Engineering"

for engineering works specified in these conditions, means the relevant process of design, construction or installation, quality assurance or validation or commissioning specified in these conditions;

"Environmental targets or receptors"

for **risk assessments** carried out within these conditions, shall mean identified human and environmental populations or components, as specified in these conditions or otherwise agreed by the Authority within these conditions.

"Fugitive emission"

means an emission to air or water (including sewer) from the Permitted Installation which is not controlled by an emission or background concentration limit under conditions 7.2.1.3, 7.2.2.2.3, 7.2.2.2.4, 7.2.2.3.2 or 7.2.2.3.9 of this Permit"

"Groundwater"

means all water, which is below the surface of the ground in the saturation zone and in direct contact with the ground or subsoil;

"Hazard"

means a property that in particular circumstances could lead to harm;

"Hazardous Waste"

means any type of waste that is marked with an asterisk in Schedule 1 of the Waste Management (Permit and Control) Regulations 2001, or which has any of the properties that render a waste hazardous as specified in Schedules 2 and 3 to these Regulations, or which is deemed to be hazardous by the Authority;

"Immediately"

for carrying out of actions under the conditions, shall mean without delay and within a reasonable time, taking into account any more immediate direct action necessary to prevent or minimise risk to human health and the environment. For carrying out notifications to the Authority, shall also mean by the fastest effective means available (for example, telephone) and confirmed in writing within 1 working day (or such other time as may be agreed by the Authority within the conditions);

"Inert waste"

means waste in solid form that:

- Does not undergo any significant physical, chemical or biological transformation when disposed of in or on land;
- Will not dissolve, burn or otherwise physically or chemically react, biodegrade or adversely affect other matter with which it comes into contact in a way likely to give rise to environmental pollution or harm human health;
- Is such that its total leachability and pollutant content and the ecotoxicity of the leachate are insignificant, and in particular do not endanger the quality of surface water and/or groundwater;

"IPPC Regulations"

means the Integrated Pollution Prevention and Control Regulations 2002 (LN234 of 2002) as amended by LN230 of 2004 and words and expressions defined in the IPPC Regulations shall have the same meanings when used in this Permit save to the extent they are specifically defined in this Permit. It shall include any future amendments or superseding legislation

" $L_{Aeq,T}$ "

means the equivalent continuous A-weighted sound pressure level in dB determined over time period, T

" $L_{Aeq,T}$ "

means the A weighted sound pressure level in dB exceeded for 90% of the time period, T

" L_{AFmax} "

means the maximum A weighted sound level measurement in dB measured with a fast time weighting

"Maintenance"

for engineering maintenance specified in these conditions, means the process of inspection, testing, repair of the relevant engineering works specified in these conditions;

"Malta"

means the Island of Malta, the Island of Gozo and the other islands of the Maltese Archipelago, including the territorial waters thereof;

"Monitoring"

includes the taking and analysis of samples, instrumental measurements (periodic and continual), calibrations, examinations, tests and surveys;

"Permitted Installation"

means the activities and the limits to those activities described in Table 1.1.1 of this Permit;

"Point discharge"

Means a single, distinct, identifiable, immobile source of entry of effluent into surface waters.

"Probability"

means the quantified expression of chance, denoted either as:

- the ratio or percentage of the occurrence of a particular event as one among a number of possible events;
- or as the frequency of occurrence of a particular event in a given period of time;

"Received"

for waste being delivered to the Site, shall mean delivered to the Site and undergoing the waste acceptance procedures, including storage of those wastes during those procedures prior to acceptance of the waste;

"Release pathways"

for **risk assessments** carried out within these conditions, shall mean the routes by which defined **hazards** may potentially realise their **consequences**, defined in terms of releases or emissions from the Site that go beyond the Site containment or boundary via one or more of the following routes, either directly or indirectly: **Land; Groundwater, Surface water; Atmosphere;**

"Risk"

means a combination of the **probability** and **consequences** of occurrence of a defined **hazard**;

"Risk assessment"

means the systematic identification, analysis, estimation and evaluation within a defined **scope** of the defined **risks** of a particular activity, operation, process or design, carried out and reported by suitably qualified or competent persons, using recognised quantified or semi-quantified methods and techniques.

Unless otherwise agreed by the Authority within these conditions, a risk assessment shall include and record the following:

- definition of the **hazards** associated with an activity, operation, process or design;
- assessment of the **probability** of those **hazards** occurring;
- determination of the potential **consequences** of those hazards for defined **environmental targets or receptors**, taking into account defined **release pathways** and defined protective measures;
- evaluation of the potential **magnitude** of those consequences and the **probability** of their occurrence;

"Sewer"

means sewer within the meaning of.;

"Specified waste management operations"

means the waste management operations authorised by condition 3.1 of this Permit;

"Staff"

includes employees, directors or other officers of the Operator, and any other person under the Operator's direct or indirect control, including contractors;

"Surface water"

inland waters (except groundwater); transitional waters and coastal waters;

"Surface water run off"

means run off on the surface of the waste mass due to rain precipitation and flooding.

"Technically Competent Person"

means a person possessing the qualifications, experience and technical competence to carry out the Specified Waste Management Operations safely and with minimum risk to human health and the environment, and to abide by the conditions of the Permit;

"Technically Competent Management"

means the Technically Competent Person or Persons in control of the day-to-day activities authorised by the Permit and carried on at the Site;

"The Authority"

means the Malta Environment and Planning Authority or such other body or person as the Minister responsible for the environment may by order in the Gazette prescribe;

"The Landfill Regulations"

means the Waste Management (Landfill) Regulations 2002 (LN168/2002) and words and expressions defined in the Landfill Regulations shall have the same meanings when used in this Permit, save to the extent that they are specifically defined in this Permit. It shall include future amendments or superseding legislation;

"The Permit Holder"

means the Permit Holder specified in the Permit or other person to whom the Permit has been transferred in accordance with the Integrated Pollution Prevention and Control Regulations 2002 as amended by LN230 of 2004, Waste Management (Permit and Control) Regulations, 2001, as published by Legal Notice 337 of 2001, and any statutory provisions or regulations amending or replacing them;

"The Operator"

means a person who is in occupation of the Site and has responsibility for carrying out day to day activities at the Site;

"The Regulations"

means the Integrated Pollution Prevention and Control Regulations 2002 (LN234 of 2002) as amended by LN230 of 2004, Waste Management (Permit and Control) Regulations, 2001, as published by Legal Notice 337 of 2001, and any statutory provisions or regulations amending or replacing them;

"The Site"

means the land, structures, plant and equipment to which this Permit relates;

"Waste"

means waste as defined in Part I, section 2 (1) of the Environment Protection Act, 2001 and the Waste Management (Permit and Control) Regulations, 2001, as published by Legal Notice 337 of 2001, and any statutory provisions or regulations amending or replacing them;

"Year"

means calendar year ending 31 December.

In the Permit, except where the context shows otherwise:

1. words in the singular also mean in the plural and the other way round and words in the masculine also mean in the feminine and neuter.
2. where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.
3. Unless otherwise stated, any references in this Permit to concentrations of substances in emissions into air means:
 - i. in relation to gases from combustion processes, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 3% dry for liquid and gaseous fuels, 6% dry for solid fuels; and/or
 - ii. in relation to gases from non-combustion sources, the concentration at a temperature of 273K and at a pressure of 101.3 kPa, with no correction for water vapour content.
 - iii. Where any condition of this Permit refers to the whole or parts of different documents, in the event of any conflict between the wording of such documents, the wording of the document(s) with the most recent date shall prevail to the extent of such conflict.

Schedule 1 - Notification of abnormal emissions and significant adverse environmental effects

This page outlines the information that the Operator must provide to satisfy conditions 10.1 and 10.2 of this Permit.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

Part C refers specifically to the requirement to notify the Authority of any significant environmental effect as required by the Landfill Regulations and should be used instead of Part B to report such to the Authority.

If any information is considered commercially confidential, it should be separated from non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the IPPC Regulations.

Part A

Permit Number	
Name of Operator	
Location of Installation	
Location of the emission/ significant adverse environmental effect	
Time and date of the emission/ significant adverse environmental effect	

Substance[s] emitted	Media	Best estimate of the quantity or the rate of emission	time during which the emission took place
	e.g. air		
	e.g. groundwater		

Measures taken, or intended to be taken, to stop the emission	
---	--

Part B

Any more accurate information on the matters for notification under Part A.	
Measures taken, or intended to be taken, to prevent a recurrence of the incident	
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment or harm which has been or may be caused by the emission	
The dates of any unauthorised emissions from the installation in the preceding 24 months.	

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of [OPERATOR NAME]

PART C

Nature of significant adverse environmental effect (e.g. Groundwater Pollution, LFG escape)	
Immediate measures taken to prevent further effects from this source	
Further measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment or harm which has been or may be caused by the significant adverse environmental effect	
Measures taken, or intended to be taken, to prevent a recurrence of the incident	

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of [OPERATOR NAME]

SCHEDULE 2

Proposal for data and information to be contained in the Yearly Emission Statement that has to be communicated to the authority:

1. Declaration of Emissions:
Type of declaration, Name of plant/facility, Global Trade Number (GLN) of the plant, location/site, competent/responsible authority, declaration period
2. Plant Owner:
GLN, commercial register identification number of the plant operator
3. Number of plants / lines for which the report is being made
4. Type of Plant:
Type of plant, thermal input and output at rated power in MW, capacity for fuel and waste in tons per hour
5. Source of Emissions:
Maximum stack temperature of flue gas at the point of discharge at maximum rated power in °C; volumetric flow rate at maximum rated power in Nm³/h; oxygen content of flue gas volumetric flow in % related to Nm³/h; size of stack opening / cross section of stack in m²; height of discharge of emissions above ground in m
6. Design Fuels:
Design fuel or waste mixture respectively; fuel / waste categories contained in the design mix; more exact description / indication (EWC number of each waste category, LHV etc.)
7. Permit:
Information about allowances of deviations from authorized operating conditions according to Art. 13 of the Waste Incineration Directive, and as prescribed in the permit
8. Operating Data:
Operating hours per year, emission performance of the plant (number and duration of emission exceedances)
9. Information about Fuel:
Name; description; information about origin; input per month; average calorific value (LHV); average mass portion of components relevant to emissions; input per year;
10. Used Waste:
Name; description; information about origin; input per month; average calorific value (LHV); average mass portion of components relevant to emissions; input per year;
11. Air emission limit values:
Fuel; pollutant; reference oxygen content in volume percent; emission limit for each pollutant as prescribed in the permit
12. Emissions of Air Polluting Substances:
 - a) For continuously monitored emissions:
Pollutant; method / standard applied for monitoring and measurement; reference oxygen content in volume percent; emission loads per month in tons or kg per month; emission loads per year in tons or kg per year; emission concentrations of air pollutants in the flue gas at stack (monthly average)
 - b) For discontinuously monitored emissions:
Pollutant, method / standard applied for monitoring and measurement; reference oxygen content

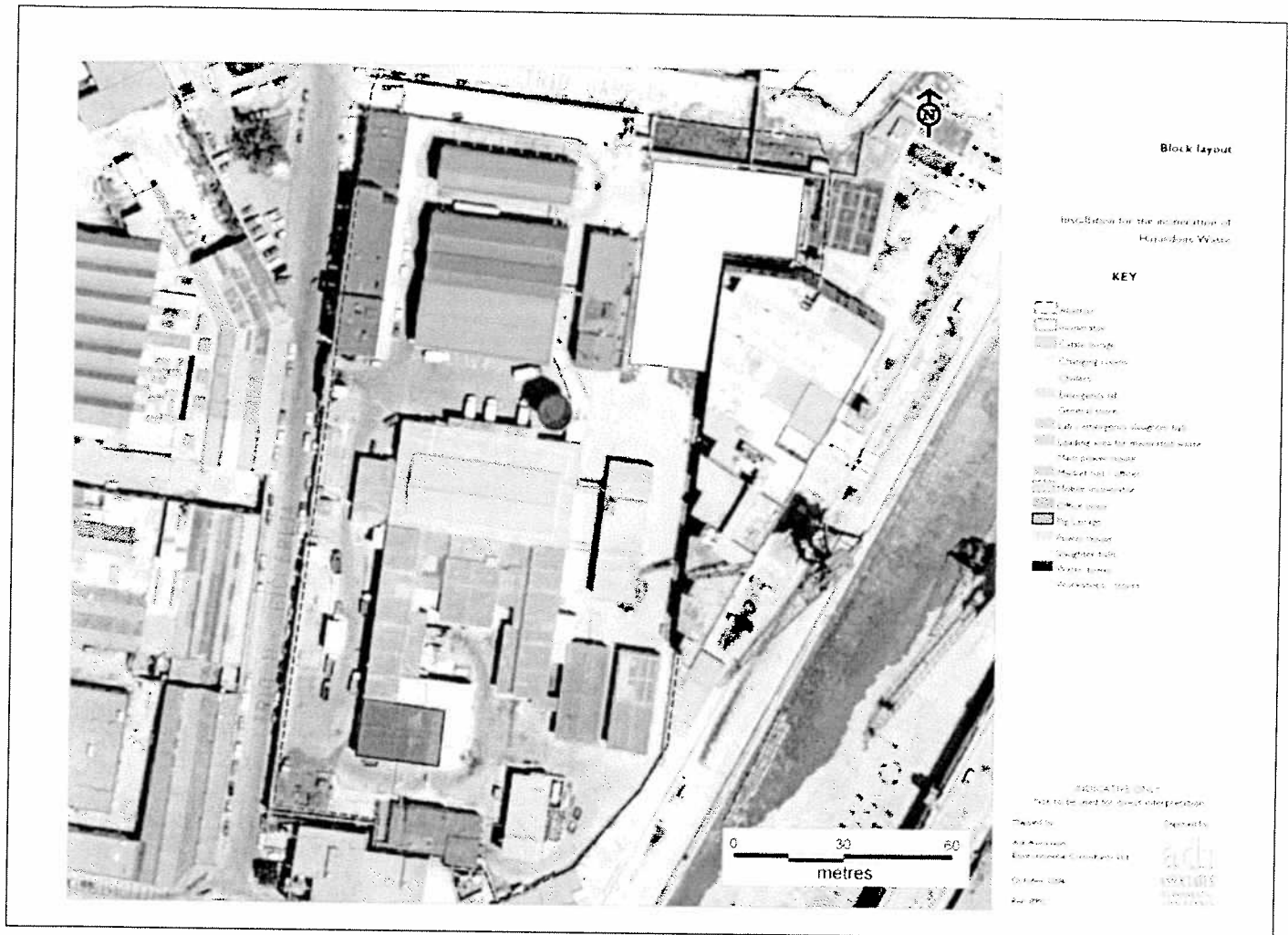
Permit and introductory note: IPPC and Incinerator Regulations

- in volume percent; emission concentrations; emission loads per month in tons or kg per month (calculated values); emission loads per year in tons or kg per year (calculated values);
13. Information about the Flue Gas Treatment System:
Indication whether a FGT system is installed; type of FGT system; description of technology used; technical data, cleaning efficiency etc.
 14. Exceedance of Emission Limit Values to Air:
Pollutant: start of exceedance (date, time); duration in hours and minutes; cause; suggestions for technical improvements in order to avoid further exceedances;
 15. Audit Report:
Results of the audit; date of the last audit; independent, accredited expert who effected the audit; description of possible reportable shortcomings (allfälliger meldepflichtiger Mängel)
 16. External Participants in Issuing the Emission Statement:
Name; organisation; accreditation etc.
 17. File Attachment:
If stipulated in the permit or demanded by the authority

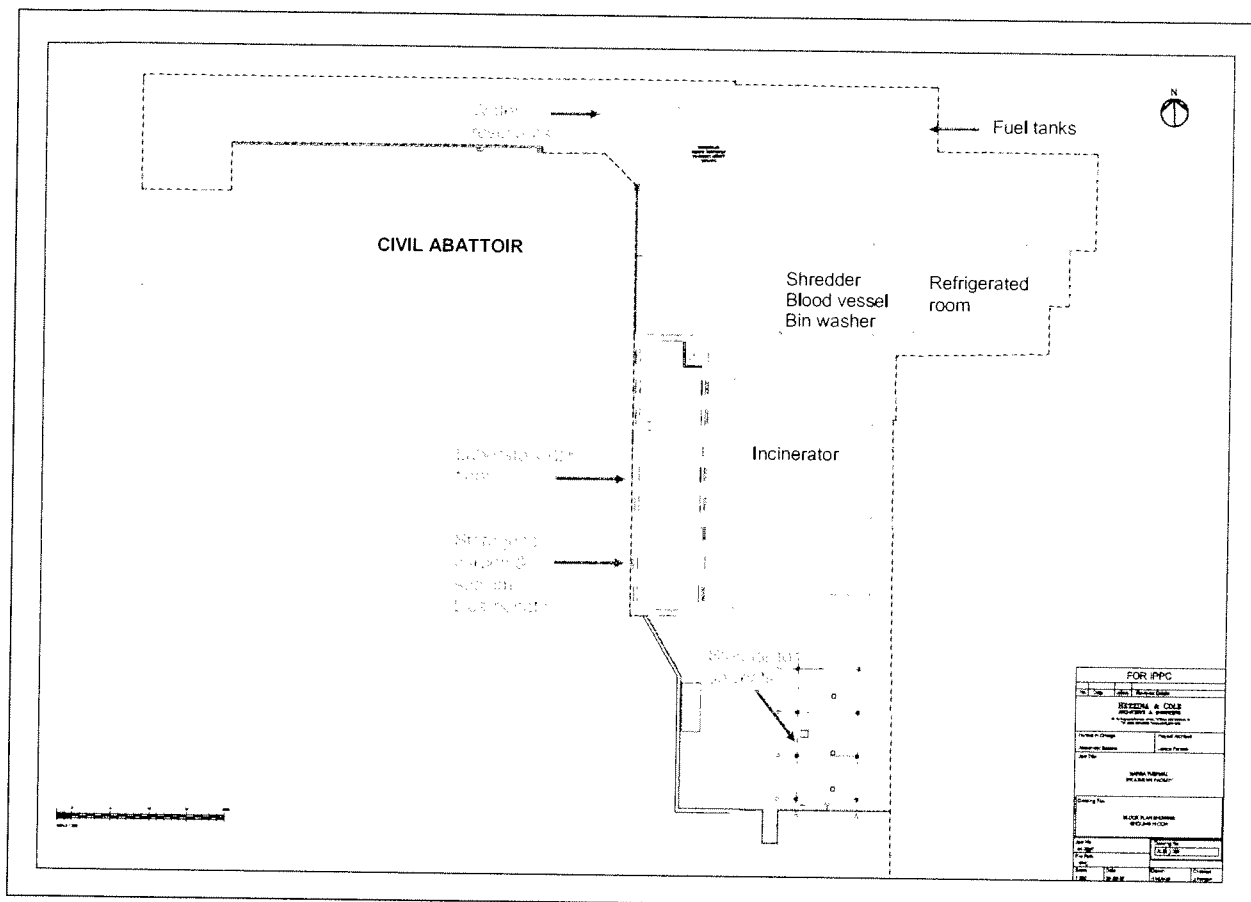
Declaration of Emissions to Water:

1. Declaration of Emissions:
Type of declaration, name of plant/facility, GLN of plant, location, responsible authority, declaration period
2. Type and Objective of Waste Water Treatment Systems:
Type of WWT system; objective of system; daily waste water flow in m³; operating hours per year; direct or indirect discharger.
3. Water Polluting Substances:
Limit values for concentrations [mg/l] and loads [tons or kg per hour; tons or kg per year] of pollutants, specific loads of pollutants per ton of input material;
4. Reportable Exceedance of Threshold Values for Emissions to Water:
Pollutant, start date, start time, duration in hours, cause
5. Emission loads:
Yearly and monthly emission load in tons or kg per year or per month respectively; specific loads of pollutants per ton of input material;
6. External Participants in Issuing the Emission Statement:
Name; organisation; accreditation etc.
7. File Attachment:
If stipulated in the permit or demanded by the authority

SCHEDULE 3 –SITE PLAN



Schedule 4 – Layout of incinerator





Application N°: WM 00012/07

Date: 31 July 2007

Applicant's Name: CEO Vince Magri
o.b.o. WasteServ Malta Ltd

Applicant's Address: Phoenix Building
Old Railway Track
Santa Venera

Application Type: Waste Management Permit

Proposal: Temporary Waste Sorting and Storage Facility

Location: Triq il Mollijiet, Marsa

Environment Protection Act, 2001 (CAP. 435)
Waste Management (Permit and Control) Regulations, 2001
(L.N. 337 of 2001)

The Malta Environment and Planning Authority hereby grants a waste management permit in accordance with the application described above, subject to the conditions specified in this document numbered from pages 1 to 23.

Approved by:

Mr. Vincent Gauci
Assistant Director
Resource Management Unit

RECEIVED

31 JUL 2007

QUALITY MANAGEMENT

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General Conditions and Obligations

4.1 General Considerations

- 4.1.1 The Permit Holder shall ensure that all waste management operations authorised in accordance with the 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 disturbance to third parties.
- 4.1.2 The Permit Holder shall prevent and ensure against the unauthorised escape of the waste from his control.
- 4.1.3 The Permit is not transferable.
- 4.1.4 No fee shall accompany the Permit. Notwithstanding the latter, any forthcoming Permit shall be accompanied by such fee as may be prescribed by the Authority in accordance with provision 24(1) of the Regulations. The Authority may also demand an annual maintenance fee to be payable until the Permit is surrendered.
- 4.1.5 The Permit Holder shall be jointly and severally responsible for managing the waste, and for ensuring that it is managed, in accordance with the Regulations and the obligations and conditions attached to the Permit.
- 4.1.6 Within 2 calendar months from the issue of this Permit, and following this initial trial period, the applicant shall submit a revised working plan for the approval of the Competent Authority with any amendments that may be considered necessary by the applicant.

4.2 Specified waste management operations

- 4.2.1 No waste management operations shall be authorised by this Permit unless:
 - a specified in and undertaken in accordance with the limitations in table 4.2; or
 - b otherwise required by the conditions of this Permit as being an integral part of those operations;

1

Preamble

These obligations and conditions deriving from this Permit are without prejudice to any other regulations, codes of practice, conditions or requirements imposed by the Malta Environment and Planning Authority or any other competent authorities, including, but not limited to, the Occupational Health and Safety Authority, the Malta Transport Authority and the Civil Protection Department.

This Permit is being granted saving third party rights.

This Permit is subject and conditional to the applicant obtaining (or having) a Full Development Permit from the Authority for the proposed use in accordance with the provisions of the Development Planning Act, 1992.

Where discrepancies arise between the Working Plan and the conditions of the Permit, the conditions of this Permit shall prevail.

2

Permit Validity and Surrender of the Permit

The Permit shall be valid until it is surrendered by the applicant or revoked by the Competent Authority. The Permit is subject to annual renewal and updating. Any decision by the Competent Authority whether to renew the Permit or otherwise will be taken on the basis of provision 10 of the Waste Management (Permit and Control) Regulations, 2001, as published by Legal Notice 337 of 2001 (hereinafter referred to as "the Regulations"), provided that such an application for renewal shall be submitted to the Authority not less than twenty (20) days before the elapse of twelve (12) calendar months from the date of issue of the Permit or the date of the last renewal. In the absence of an application for a renewal within the appropriate time period no waste shall be accepted on site and applicant would be considered as having applied for the surrender of the Permit.

Before the Permit can be wholly or partially surrendered, an application for surrender of the Permit has to be made by the Permit Holder. For the application to be successful the Permit Holder shall demonstrate that all the conditions in this Permit with respect to site closure and restoration have been adhered with; that there is no pollution risk, and that no further steps are required to return the site to a satisfactory state.

3

Scope

The following Permit relates to the operations of a temporary sorting and storage waste facility at Triq Il Mollijiet, Marsa, as shown on attached Site Plan, hereafter referred to as the Site.

Table 4.2 Specified waste management operations

Specified waste management operation	Permitted waste types which may be subject to the specified waste management operation	Limits on specified waste management operations
D15: Storage pending any of the disposal operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced)	All wastes	No waste shall be stored on site for a period exceeding 12 calendar months.
R13: Storage of wastes pending any of the recovery operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced).		

4.3 Permitted wastes

Permitted categories and types of wastes

- 4.3.1 No wastes other than those that are categorised below in Table 4.3A. shall be accepted at the Site.

Table 4.3A Permitted categories, types and quantities of waste

Permitted waste categories	Maximum permitted quantities for each waste category
15 WASTE PACKAGING; ABSORBANTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	
15 01 packaging (including separately collected municipal packaging waste)	
15 01 01 paper and cardboard packaging	
15 01 02 plastic packaging	
15 01 03 wooden packaging	
15 01 04 metallic packaging	
15 01 05 composite packaging	
15 01 06 mixed packaging	
15 01 07 glass packaging	

Table 4.3A Permitted categories, types and quantities of waste

Permitted waste categories	Maximum permitted quantities for each waste category
16 WASTE NOT OTHERWISE SPECIFIED IN THE LIST 16 02 wastes from electrical and electronic equipment 16 06 batteries and accumulators	
16 02 11* discarded equipment containing chlorofluorocarbons, HCFC, HFC 16 02 13* discarded equipment containing hazardous components other than those mentioned in 16 02 09 to 16 02 12 16 02 14 discarded equipment other than those mentioned in 16 02 09 to 16 02 13 16 02 15* hazardous components removed from discarded equipment 16 02 16 components removed from discarded equipment other than those mentioned in 16 02 15 16 06 01* lead batteries 16 06 02* Ni-Cd batteries 16 06 03* mercury- containing batteries 16 06 04 alkaline batteries (except 16 06 03) 16 06 05 other batteries and accumulators	

Table 4.3A Permitted categories, types and quantities of waste

Permitted waste categories	Maximum permitted quantities for each waste category
18 WASTE FROM HUMAN OR ANIMAL HEALTHCARE AND/OR RELATED RESEARCH (except kitchen and restaurant wastes not arising from immediate healthcare)	
18 01 wastes from natal care, diagnosis, treatment, or prevention from disease in humans	
18 01 01 sharps (except 18 01 03)	
18 01 03* wastes whose collection and disposal is subject to special requirements in order to prevent infection	
20 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES (INCLUDING SEPARATELY COLLECTED FRACTIONS	
20 01 separately collected fractions (except 15 01)	
20 01 01 paper and cardboard 20 01 02 glass 20 01 10 clothes 20 01 11 textiles 20 01 13* solvents 20 01 14* acids 20 01 15* alkalines 20 01 19* pesticides 20 01 21* fluorescent tubes and other mercury-containing waste 20 01 23* discarded equipment containing chlorofluorocarbons 20 01 25 edible oil and fat 20 01 32 medicines other than those mentioned in 20 01 31 20 01 33 batteries and accumulators included in 16 06 01, 16 06 02 and 16 06 03 and unsorted batteries and accumulators containing these batteries 20 01 34 batteries and accumulators other than those mentioned in 20 01 33 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 36 discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35 20 01 39 plastics 20 01 40 metals	No limit subject to maximum storage capacities
20 03 other municipal wastes	
20 03 07 bulky waste	No limit subject to maximum storage capacities

Exclusion of wastes with other specified characteristics

- 4.3.2 Notwithstanding the specification of permitted waste types under conditions 4.3.1 above, wastes shall not be accepted at the Site which have any of the following characteristics:

Table 4.3B Excluded wastes of specified form and type

Waste characteristic	Type
Form and type:	Waste consisting solely or mainly of dusts, powders or loose fibres; Waste that is radioactive; Waste which is explosive or otherwise physically or chemically unstable; and Waste that is in liquid or in sludge form.

4.4 Hours of operation

The following specified waste management operations authorised by this Permit shall only be carried out within the times specified in Table 4.4 below

Table 4.4 Permitted operating hours

Specified waste management operations	Permitted hours
For the site as a whole	0730-1730 Mondays to Sundays

4.5 Staffing and Understanding of Requirements of Permit Conditions

Minimum Staffing and Supervision

- 4.5.1 Whenever the Site is open to receive or dispatch waste, or is carrying out any of the specified waste management operations, it shall be supervised by at least one member of staff who is suitably trained and fully conversant with the requirements of the Permit regarding:
- (i) Waste acceptance and control procedures;
 - (ii) Operational controls and environmental monitoring;
 - (iii) Maintenance;
 - (iv) Record-keeping;
 - (v) Emergency action plans;
 - (vi) Notifications to the Authority.

Availability of Permit

- 4.5.2 A copy of the approved plans (Development Permit Plans) and documents related to the Site, a copy of the Development Permit and a copy of the Permit shall be kept available on the Site for reference when required by all Site staff carrying out work under the requirements of the Permit.

Understanding of Permit

- 4.5.3 All Site staff shall be, or shall work under the direct supervision of a member of staff who is, fully conversant with those aspects of the Permit conditions that are relevant to their specific duties.

Technically Competent Person

- 4.5.4 The site shall be under the responsibility of a Technically Competent Person. Attendance of the Technically Competent Person(s) at the Site shall be recorded in the Site diary on arrival and departure. At all times during operational hours a Technically Competent Person shall be capable of attending the Site within one hour, or two hours where the Site has been notified to the Authority as being either non-operational or closed, in accordance with condition 4.10.3.
- 4.5. The Permit Holder shall submit immediately to the Authority a 24-hour telephone number in which the Authority may reach the Technically Competent Person of the site.

4.6 Changes in Technically Competent Person

- 4.6.1 Any changes in the Technically Competent Person of the Site and the name of any incoming person together with evidence that such person has the required technical competence shall be submitted to the Authority in writing within five (5) working days of the change in management.

4.7 Maintenance of Financial Assurance

- 4.7.1 The Financial Assurance for meeting the obligations under this Permit is contained in an Agreement made between the Ministry of Finance on behalf of the Permit Holder and the Authority dated 31st July 2007. It shall be provided and maintained by the Permit Holder throughout the subsistence of this Permit, and the Permit Holder shall produce evidence of such provision whenever required by the Authority.
- 4.7.2 The Authority may avail itself of all or part of the Financial Assurance as specified under condition 4.7.1 in the event of failure by the Permit Holder to satisfy one or more provisions of the Permit, as well as to rectify any environmental or other damage resulting from the non-observance of these provisions.
- 4.7.3 No activities authorised by the Permit shall commence until the Permit Holder has secured the Financial Assurance as specified under condition 4.7.1, and the Permit Holder has given prior written notice to the Authority of the intention to commence operations at the Site.

4.8 Amendments to Working Plan and Supporting Information

Amendments to Working Plan Requiring Prior Consent from the Authority

- 4.8.1 The Permit Holder shall give the Authority prior notice in writing of any proposed change(s) to the Working Plan identified in writing by the Authority at the time of issue of the Permit.
- 4.8.2 The notice shall be accompanied by a copy of the proposed change(s), and by a written assessment of the effect that implementing the proposed change(s) to the Working Plan would have on the risk posed by the Site to human health and the environment.
- 4.8.3 The Permit Holder shall provide up to six (6) additional copies of the proposed change(s) and supporting risk assessment to the Authority, when required by the Authority in writing.
- 4.8.4 The proposed change(s) to the Working Plan shall not be implemented unless the Authority has given its written consent to it. Following consent, the Permit Holder shall give the Authority prior written notification of the implementation date of the change(s), and from that date the changed section shall be deemed to be incorporated in the Working Plan in replacement of the previous version of that section.

4.9 Notification of Change of Operator's or Permit Holder's Details

- 4.9.1 The following information shall be notified in writing within five (5)

working days to the Authority:

- (i) Where the Permit Holder is an individual or named individuals:
 - Where the Permit Holder consists of more than one named individual, the death of any of those individuals;
 - Any change in the Permit Holder's name(s) or address(es);
 - Any steps taken with a view to the Permit Holder, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case of them being in a partnership, dissolving the partnership;
 - The operator at the time of issue of the Permit and of any change in the operator or in the operator's trading name, address, registered name or registered office address (if different from the Permit Holder).
- (ii) Where the Permit Holder is a registered company:
 - Any change in the Permit Holder's trading name, registered name or registered office address;
 - Any steps taken with a view to the Permit Holder going into administration, entering into a company voluntary arrangement or being wound up;
 - The operator at the time of issue of the Permit and of any change in the operator or in the operator's trading name, address, registered name or registered office address (if different from the Permit Holder).
- (iii) Where the Permit Holder is a corporate body other than a registered company:
 - Any change in the Permit Holder's name or address;
 - Any steps taken with a view to the dissolution of the Permit Holder;
 - The operator at the time of issue of the Permit and of any change in the operator or in the operator's trading name, address, registered name or registered office address (if different from the Permit Holder).

4.10 Notification of Preparatory Works

4.10.1 No preparatory works shall be undertaken until at least five (5)

working days prior notice in writing has been given to the Authority of the intention to do so. The notification shall include details of what work is being done and when.

Specified waste management operations

- 4.10.2 No specified waste management operation shall be carried out until at least five (5) working days prior notice in writing has been given to the Authority of the intention to commence carrying out the specified waste management operation.

Cessation and Recommencement of Receiving Wastes

- 4.10.3 In the event that the Site ceases receiving wastes for longer than one month then, within five (5) working days following the elapse of that time, the Permit Holder shall inform the Authority in writing of the date of cessation and of the planned date of recommencement. In the event that the Site recommences receiving wastes sooner than the notified date, then the Permit Holder shall give the Authority not less than three (3) working days prior notice in writing.

4.11 Notifications and Submissions to the Authority

- 4.11.1 Except where otherwise specified, all notifications and submissions to the Authority under the requirements of these Permit conditions:

- (i) Shall be made in writing to the address specified below, or as subsequently specified by written notification to the Permit Holder:

The Director
Environment Protection Directorate
Malta Environment & Planning Authority
St. Francis Ravelin
Floriana

- (ii) Shall quote the Permit number and name of the Permit Holder.

4.11.2 On notification and/or submission to the Authority under the requirements of these Permit conditions, the Authority shall send a receipt of delivery stating that the Authority has received such notification and/or submission.

4.11.3 If the Permit Holder does not get any receipt of delivery from the Authority on notification and/or submission to the Authority under the requirements of these Permit conditions, the Permit Holder shall try again until he gets such receipt of delivery from the Authority.

Not getting a receipt of delivery from the Authority on notification and/or submission to the Authority under the requirements of these Permit conditions shall not be considered as a sign that the Authority has no objections.

5 Site Infrastructure

5.1 Provision of Site Identification Board

- 5.1.1 No wastes shall be received at the Site until an identification board has been provided at or near the Site entrance.
- 5.1.2 The identification board shall be inspected at least once per week. In the event of damage or defect, the board shall be repaired or replaced within three (3) working days.
- 5.1.3 The board shall be easily readable from outside the Site entrance in daylight hours, and shall display the following information:
 - (i) Site name and address;
 - (ii) Permit Holder name (company name, not individual name unless justified as necessary);
 - (iii) Operator name if different to the Permit Holder (company name, not individual name unless justified as necessary);
 - (iv) Permit number;
 - (v) Emergency contact name and telephone number (for security reasons, personal names and home phone numbers shall not be used except where no alternative is practicable);
 - (vi) Statement that the Site is permitted by the Authority (personal names shall not be used);
 - (vii) Contact telephone numbers of the Authority (personal names and phone numbers shall not be used);
 - (viii) Permitted operating hours (days and hours the Site is open to receive waste).
- 5.1.4 The location of the notice board shall be such that it is clear that it does not designate areas outside the Site and does not encourage illegal tipping.

5.2 Site Security

- 5.2.1 Site security systems shall be provided at all times during the subsistence of the Permit, the objective of which shall be to prevent access by humans and livestock which is not authorised either by the Permit Holder or under legal powers of entry. These shall be installed, operated and maintained, and shall be fully documented and recorded, in accordance with the Working Plan and the requirements given in Table 5.2 below:

Table 5.2 Site security system standards	
Site security system	Specified standards
Timetable of provision	Before any waste is received.
Design standards	Operational area of the Site shall be enclosed by a 50mm mesh chain link fence of at least 2m height. The access to the Site shall be secured by lockable steel or robust wooden gates of at least 2m height.
Operational standards	The Site shall be kept closed and secure at all times when unattended or not operational.
Maintenance standards	The Site security shall be fully inspected at the commencement of each working day, and recorded in the Site diary. Any defects or damage shall be made secure by the end of the working day, and shall be repaired within ten (10) working days of the damage being detected. All repairs shall be recorded in the Site diary.

6 Site operations

6.1 Control of Mud and Debris

Prevention of Mud and Debris on Roads

- 6.1.1 The Permit Holder shall ensure that vehicles using the site do not deposit mud or debris on the roads.

Remediation of Mud and Debris on Roads

- 6.1.2 In the event that mud or debris arising from the Site is deposited onto public areas outside the Site, remedial measures shall be implemented immediately. These shall include the cleaning of the public areas and highways.

6.2 Fires on the Site

- 6.2.1 The Permit Holder shall maintain a written contingency plan to deal with any fires on the site, which shall be approved by the Civil Protection Department.
- 6.2.2 A copy of the contingency plan as specified under condition 6.2.1 shall be kept on Site.
- 6.2.3 In the event of a fire on the Site, the contingency plan as specified under condition 6.2.1 shall be implemented immediately and recorded.

6.3 Waste Acceptance and Control Procedures

Waste Acceptance Procedures

- 6.3.1 All wastes shall be received, inspected, accepted or rejected, and recorded.

Waste Basic Characterisation

- 6.3.2 Basic characterisation shall be the first step in the acceptance procedure and shall be used for determining whether waste can be accepted at the facility.
- 6.3.3 Basic characterisation shall be required for each type of waste categorised in Table 4.3A.
- 6.3.4 If the basic characterisation of waste shows that the waste fulfils the criteria as set out in Part 4.3 – Permitted Wastes, the waste shall be deemed to be acceptable at the Site. If this is not the case, the waste shall not be accepted at the Site.
- 6.3.5 The Permit Holder shall be responsible for ensuring that the characterisation information is correct.

6.3.6 The Permit Holder shall keep records of the required information as specified under **Part 8 – Site Records**.

6.4 **Waste Quantity Measurement Systems**

Means of Measurement

6.4.1 All waste exiting the site shall be weighed using a weighbridge and a record kept for every category of waste listed in Table 4.3A.

6.5 **Storage of Waste**

6.5.1 Any permitted waste under **Part 4.3 – Permitted Wastes** brought into the site shall be stored separately. The categories in which the waste shall be separated into shall include, but not be limited to, the following;

- Plastic film;
- Plastic bottles;
- Metal;
- Metal cans;
- Glass bottles;
- Paper;
- Carton and cardboard;
- Used tyres;
- Waste oils;
- Wood;
- Green garden waste;
- Mattresses;
- Electronics (WEEE);
- Refrigerators and freezers;
- Construction and demolition waste;
- Textiles;

6.5.2 Handling of the hazardous waste shall only be done in the presence of the Technically Competent Person on site, who shall ensure that all the necessary precautions and health and safety measures are being taken whilst handling the hazardous waste.

6.5.3 Hazardous waste and waste in liquid form shall be stored in an adequate area that shall consist in an impermeable non-porous and bunded surface that prevents or minimises penetration of chemicals and in such a manner that will not allow the flow of liquid from it and until transfer of the waste can be affected. This also holds for storage of fuel oils or other hazardous material that may be required for the operation of machinery or other equipment present on the Site.

6.5.4 Each and every hazardous waste type shall be sorted and segregated from each other to prevent mixing. No mixing of hazardous wastes shall take place. All hazardous waste shall be kept secure while on site.

6.6 Transfer of Waste Off Site

6.6.1 All hazardous waste transferred off the site shall be accompanied by a valid hazardous waste Consignment Note.

6.7 Removal of Residual Wastes from Site

6.7.1 In the event that the specified waste management operations on the Site cease and the Authority has reasonable grounds to believe that they will not be resumed within three (3) months then, notwithstanding the operational limits on storage times of wastes specified in the other conditions of the Permit, the Permit Holder shall ensure that all wastes remaining on the Site shall be removed by the date specified by the Authority in writing.

7 Amenity Management and Reporting

7.1 **Control, Monitoring and Reporting of Dusts, Fibres and Particulates**

7.1.1 Waste shall not be received at the Site unless measures to control and minimise the emission of dusts, fibres and particulates from the Site have been submitted to and agreed in writing by the Authority at least five (5) working days and prior notice in writing has been given to the Authority of the intention to commence carrying out the specified waste management operations. Such measures shall prevent releases in such quantities or concentrations that are likely to cause pollution of the environment or harm to human health or serious detriment to the amenity of the locality. Once approved, the measures shall be implemented throughout the operational life of the Site.

7.1.2 All emissions to air from the specified waste management operations on the Site shall be free from visible concentrations of dusts, fibres or particulates as 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.

7.1.3 In the event that any dusts, fibres or particulates arising from the Site are released or are likely to be released outside the Site boundary in such quantities or concentrations that they are likely to cause pollution of the environment or harm to human health or serious detriment to the amenity of the locality, the actions specified in the measures submitted to and agreed by the Authority under condition 7.1.1 above, shall be implemented immediately.

Provision of Dusts, Fibres and Particulates Monitoring System

7.1.4 Monitoring of dusts, fibres and particulates shall be carried out at the Site boundary throughout the operational life of the Site.

7.2 **Control of Odours**

7.2.1 Such measures shall prevent releases in such quantities or concentrations that are likely to cause pollution of the environment or harm to human health or serious detriment to the amenity of the locality.

7.2.2 All emissions to air from the specified waste management operations on the Site shall be free from odours at levels as 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.

7.2.3 In the event that any odours arising from the Site are released or are likely to be released outside the Site boundary at such levels that they are likely to cause pollution of the environment or harm to human health or serious detriment to the amenity of the locality, the measures submitted to and agreed by the Authority under condition 7.2.1 above, shall be implemented immediately.

7.3 Control of Noise

- 7.3.1 Such measures shall prevent levels of noise that are likely to cause pollution of the environment or harm to human health or serious detriment to the amenity of the locality. Once approved, the measures shall be implemented throughout the operational life of the Site.
- 7.3.2 Measures shall be implemented and maintained throughout the operational life of the Site, to control and minimise the levels of noise from operations on the Site beyond the Site boundary.

Noise Monitoring Standards

- 7.3.3 Noise levels arising from operations on the Site shall not exceed 65 dbA L_{eq} measured at the Site boundary.

7.4 Control of Pest Infestations

- 7.4.1 Measures shall be implemented and maintained throughout the operational life of the Site to control and monitor the presence of pests on the Site. The objective of these measures shall be to prevent pest infestations that are likely to cause pollution of the environment or harm to human health or ecosystems and biodiversity or serious detriment to the amenity of the locality.

7.5 Control of Scavenging Birds and Other Scavengers

- 7.5.1 Measures shall be implemented and maintained throughout the operational life of the Site to control and minimise scavenging birds and other scavengers on the Site. Such measures shall prevent scavenging birds and other scavengers (such as dogs and cats) from gathering on operational areas or scavenging wastes in such numbers that are likely to cause harm to human safety or health, serious detriment to the amenity of the locality, or potential bird strike with aircraft.

7.6 Control of Litter

- 7.6.1 Waste shall not be received at the Site unless measures to control and minimise the escape of litter from the confines of the Site are implemented. Such measures shall aim to prevent the escape of litter from the confines of the Site.
- 7.6.2 In the event that litter does escape from the Site, it shall be retrieved within three (3) working days.

8 Site Records

8.1 Security and Availability of Records

Security of Records

- 8.1.1 All records that are required to be made under the other conditions of the Permit shall be maintained and kept secure from loss, damage or deterioration for a minimum of three years from the date of termination of the Permit.

Availability of Records

- 8.1.2 All records that are required to be made under the other conditions of the Permit shall be made available for inspection at the place where they are kept immediately when required by an authorised officer of the Authority, and for a minimum of three years from the date of termination of the Permit.

8.2 Records of Waste Movements

Recording of Wastes Accepted and Removed

- 8.2.1 A record shall be kept of each load of waste removed from the Site. This record shall also include but not be limited to the following details:
- (i) Loads out: Waste type as specified in **Part 4.3 – Permitted Wastes**, quantity of waste removed (tonnes), origin and frequency of collection, mode of transport, waste processing / treatment and date removed.

Summary Records of Wastes

- 8.2.2 A summary record of the waste types removed from the Site shall be made for each quarter of the financial year, and shall be submitted to the Authority within one (1) month following the end of the quarter. The summary record shall be in a written format or any other format agreed by the Authority in writing and shall include the details as specified under condition 8.2.1.

8.3 **Site Diary**

8.3.1 A Site diary shall be kept secure and shall be available for inspection at the Site when required by an authorised officer of the Authority. This shall include a record of the following events:

- (a) Any defects or damage to the Site Security System;
- (b) Occurrence of any potentially polluting leaks or spillages on Site;
- (c) Occurrence of fires on Site;
- (d) Incidents relating to the entry of non-permitted wastes as specified in **Part 4.3 – Permitted Wastes**;
- (e) Any other incidents that the Permit Holder deems important to record in the Site Diary.

8.3.2 Each record shall be completed within 24 hours of the relevant event.

8.4 **Periodic Reporting of Environmental Performance**

8.4.1 The Permit Holder shall provide the Authority on a quarterly basis or such other time as agreed by the Authority in writing, a report on the environmental performance of the Site.

9 Transfer of the Permit or part of the Permit

The Permit is non-transferable.

10 Review or Revocation of Permits

10.1.1 Where the Authority considers that the conditions attached to the Permit are no longer adequate, or that the activity authorised by the Permit poses an unforeseen risk to human health or the environment, it may:

- (i) Alter the terms and conditions attached to the Permit;
- (ii) Serve a remedial notice upon the Permit Holder setting out the steps that shall be taken to comply with the altered conditions and to remove the risk or actual harm as well as the period in which these steps shall be completed;

Provided that the Authority shall include in its remedial notice the steps that the Permit Holder shall comply with so as to remedy the situation, as well as the time by which such steps shall be taken.

10.1.2 Where the unforeseen risk arising from an activity authorised by the Permit cannot be mitigated by measures under condition 10.1.1, the Authority may suspend the Permit in whole or in part as necessary to avert the risk.

10.1.3 Where the Authority believes that the Permit Holder is, or is likely to be, in breach of the conditions attached to the Permit or the Regulations in general, the Authority may issue an enforcement notice specifying the breach of the conditions, the steps that shall be taken to prevent it and the time in which these steps shall be completed.

10.1.4 If the Permit Holder fails to comply with a remedial or enforcement notice, the Authority may revoke the Permit in whole or in part and itself undertake the remedial action required, defraying the expenses incurred out of the Permit Holder's Financial Assurance specified in **Part 4.7 – Maintenance of Financial Assurance**. It may additionally bring into effect any punitive measures, including confiscation of all or part of the Financial Assurance.

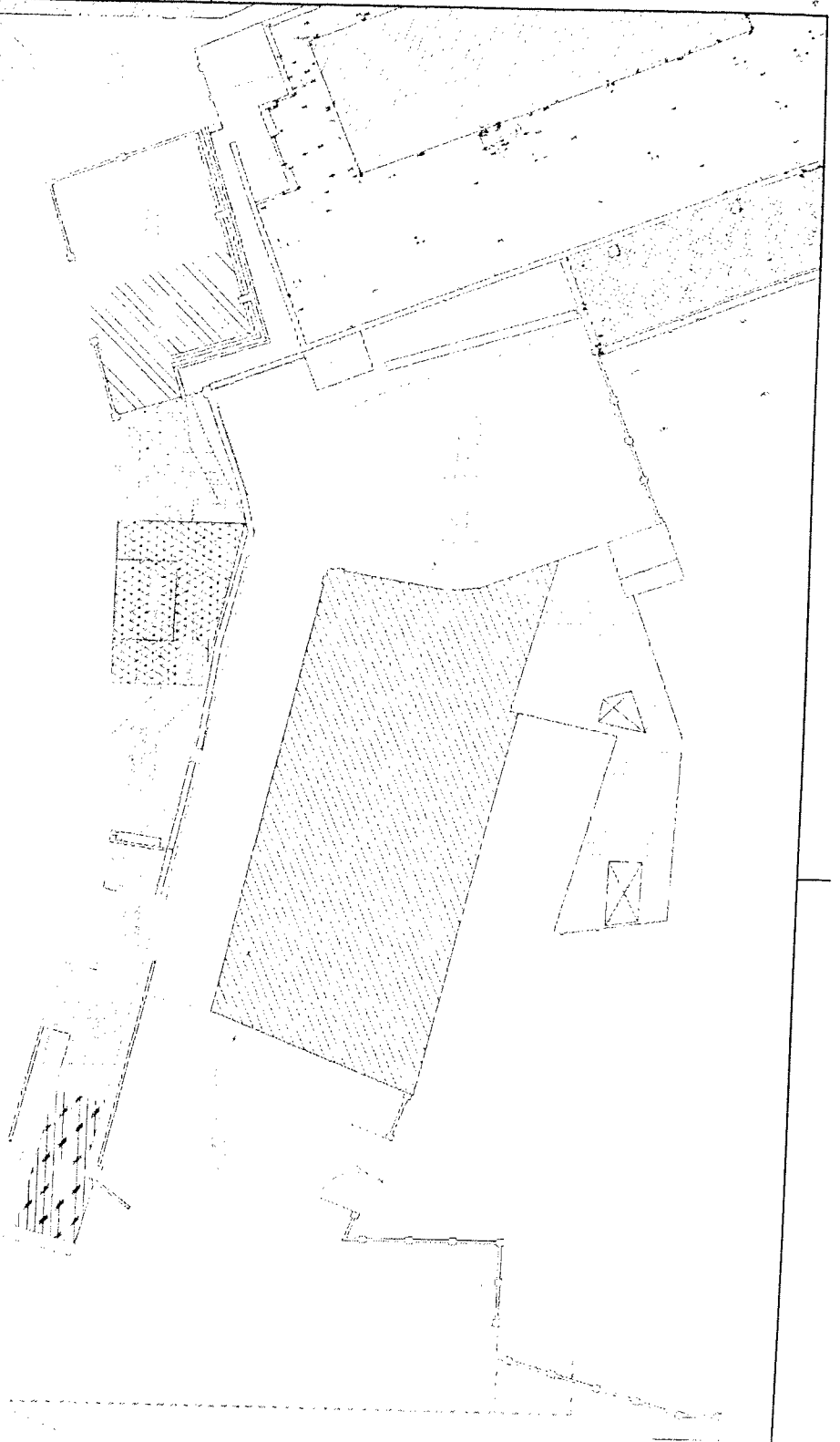
Provided that, if the costs of this remedial action exceed the Financial Assurance, the Permit Holder shall bear the additional costs.

11 Supervision and Enforcement

- 11.1.1 Any authorised officer of the Authority may from time to time inspect the Site in order to ensure that it complies with the relevant conditions of this Permit. The authorised officer of the Authority may request further information from the Permit Holder and/or his employees.
- 11.1.2 An authorised officer of the Authority shall not be liable in any civil or criminal proceedings for anything done in the purported performance of his functions if the court is satisfied that the act was done in good faith and that there were reasonable grounds for doing it.
- 11.1.3 Any services provided by authorised officer of the Authority in connection with any condition included in the Permit, in particular for monitoring purposes, or any provision of the Regulations during normal office hours regulated by the Authority shall be incurred out of the Permit Holder's expense at a fixed rate regulated by the Authority (*LM 10 per person per hour*).
- 11.1.4 Any services provided by authorised officer of the Authority in connection with any condition included in the Permit, in particular for monitoring purposes, or any provision of the Regulations outside normal office hours regulated by the Authority shall be incurred out of the Permit Holder's expense at a fixed rate regulated by the Authority (*LM 12 per person per hour*).
- 11.1.5 Any services provided by authorised officer of the Authority upon request from the Permit Holder in connection with any condition included in the Permit or any provision of the Regulations outside normal office hours regulated by the Authority shall be incurred out of the Permit Holder's expense at a fixed rate regulated by the Authority (*LM 12 per person per hour*).
- 11.1.6 In all cases, inspections shall be performed by two authorised officers of the Authority.

Powers of authorised officer of the Authority

- 11.1.7 An authorised officer of the Authority may, on production (if so required) of his authority, exercise any of the powers specified in the Environment Protection Act, 2001 and the Environment Protection (Preventive and Remedial Measures) Regulations, 1994, as published by Legal Notice 1 of 1994, or any statutory provisions or regulations amending or replacing them, for the purpose of determining whether any provision of the Permit or of an instrument under the Environment Protection Act, 2001, is being complied with.



FOR

DATE: 1/20/2010

BEZZINA & COLE
ARCHITECTS & ENGINEERS

PROJECT: MARSA
INTERIOR

BLOCK PLAN

Scale	1/8" = 1'-0"	1/4" = 1'-0"	1/2" = 1'-0"	3/4" = 1'-0"	1" = 1'-0"
Sheet	1 of 1				
Drawn by	J. Cole				
Check by	J. Cole				
Scale	1/8" = 1'-0"	1/4" = 1'-0"	1/2" = 1'-0"	3/4" = 1'-0"	1" = 1'-0"
Sheet	1 of 1				
Drawn by	J. Cole				
Check by	J. Cole				

500m

Il-Port il-Kbir

XATT IL-GLIJJET

SKOLA

TRIG GARRICK

TRIG IL-BITTERJA

TRIG TPOWEPINGE

0m

Min Easting = 54585.1, Min Northing = 70496.68, Max Easting = 54985.1, Max Northing = 70996.55

0m

400m

MEPA

St. Francis Ravelin
Floriana

www.mepa.org.mt

PO Box 200, Valletta, Malta

Tel: +356 240976 Fax: +356 224846

Site Plan, Scale 1:2500 Printed on: Thursday, August 31, 2006
not to be used for interpretation or scaling of scheme alignments

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Our Ref. WM 00012/07

Ing. Vince Magri
C.E.O. Wasteserv Malta Ltd.
Phoenix Building
Old Railway Track
Santa Venera



22nd May 2009,

Variation to the Waste Management Permit WM 00012/07

Please refer to Articles 10.1.1 of the Waste Management Permit WM 00012/07 dated 31st July 2007 for the Temporary waste sorting and storage facility, At Triq il-Mollijiet, Marsa, which states that “Where the Authority considers that the conditions attached to the Permit are no longer adequate, or that the activity authorized by the permit poses an unforeseen risk to human health or the Environment it may;

- (i) Alter the terms and conditions attached to the permit”

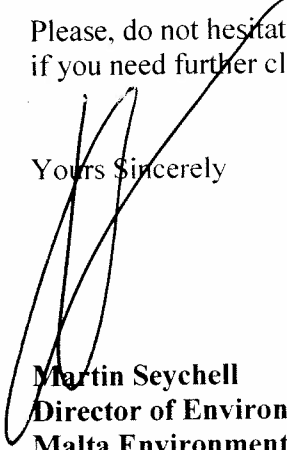
Please consider this letter as a variation of permit number WM 00012/07 with regards to condition 2 of the Permit

The Permit Validity is hereby being extended to the **31st July 2009**

The above mentioned changes of the Permit will be in effect as from **22nd May 2009**, and are to be considered as part of the existing Permit. All other conditions within the permit remain unchanged

Please, do not hesitate to contact the Environmental Permitting and Industry Unit or the undersigned if you need further clarification.

Yours Sincerely


Martin Seychell
Director of Environment
Malta Environment and Planning Authority

Our Ref. WM 00012/07

Ing. Vince Magri
C.E.O. Wasteserv Malta Ltd.
Phoenix Building
Old Railway Track
Santa Venera



15th July 2009,

Variation to the Waste Management Permit WM 00012/07

Please refer to Articles 10.1.1 of the Waste Management Permit WM 00012/07 dated 31st July 2007 for the Temporary waste sorting and storage facility, At Triq il-Mollijiet, Marsa, which states that “Where the Authority considers that the conditions attached to the Permit are no longer adequate, or that the activity authorized by the permit poses an unforeseen risk to human health or the Environment it may;

- (i) Alter the terms and conditions attached to the permit”

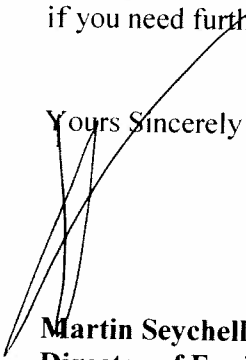
Please consider this letter as a variation of permit number WM 00012/07 with regards to condition 2 of the Permit

The Permit Validity is hereby being extended to the **30th September 2009**

The above mentioned changes of the Permit will be in effect as from **15th July 2009**, and are to be considered as part of the existing Permit. All other conditions within the permit remain unchanged

Please, do not hesitate to contact the Environmental Permitting and Industry Unit or the undersigned if you need further clarification.

Yours Sincerely


Martin Seychell
Director of Environment
Malta Environment and Planning Authority

Our Ref. WM 00012/07

Ing. Vince Magri
C.E.O. Wasteserv Malta Ltd.
Phoenix Building
Old Railway Track
Santa Venera



25th September 2009,

Variation to the Waste Management Permit WM 00012/07

Please refer to Articles 10.1.1 of the Waste Management Permit WM 00012/07 dated 31st July 2007 for the Temporary waste sorting and storage facility, At Triq il-Mollijiet, Marsa, which states that "Where the Authority considers that the conditions attached to the Permit are no longer adequate, or that the activity authorized by the permit poses an unforeseen risk to human health or the Environment it may;

- (i) Alter the terms and conditions attached to the permit"

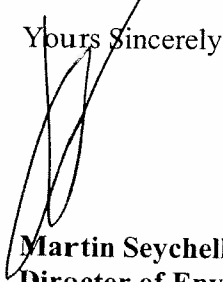
Please consider this letter as a variation of permit number WM 00012/07 with regards to condition 2 of the Permit

The Permit Validity is hereby being extended to the **15th January 2010**

The above mentioned changes of the Permit will be in effect as from **1st October 2009**, and are to be considered as part of the existing Permit. All other conditions within the permit remain unchanged

Please, do not hesitate to contact the Environmental Permitting and Industry Unit or the undersigned if you need further clarification.

Yours Sincerely


Martin Seychell
Director of Environment
Malta Environment and Planning Authority

Our Ref. WM 00012/07

Ing. Vince Magri
C.E.O. Wasteserv Malta Ltd.
Phoenix Building
Old Railway Track
Santa Venera



11th January 2010,

Variation to the Waste Management Permit WM 00012/07

Please refer to Articles 10.1.1 of the Waste Management Permit WM 00012/07 dated 31st July 2007 for the Temporary waste sorting and storage facility, At Triq il-Mollijiet, Marsa, which states that "Where the Authority considers that the conditions attached to the Permit are no longer adequate, or that the activity authorized by the permit poses an unforeseen risk to human health or the Environment it may;

- (i) Alter the terms and conditions attached to the permit"

Please consider this letter as a variation of permit number WM 00012/07 with regards to condition 2 of the Permit

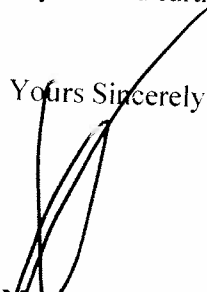
The Permit Validity is hereby being extended to the **30th June 2010**

The above mentioned changes of the Permit will be in effect as from **11th January 2010**, and are to be considered as part of the existing Permit. All other conditions within the permit remain unchanged

Kindly also note that you are to submit a report of the total number of waste managed on site during 2009 per EWC code category by not later than 31st January 2010

Please, do not hesitate to contact the Environmental Permitting and Industry Unit or the undersigned if you need further clarification.

Yours Sincerely


Martin Seychell
Director of Environment
Malta Environment and Planning Authority