

Environmental Permit

Environment Protection Act (CAP. 549)

Permit number
EP 0007/13/B

The Environment and Resources Authority (hereinafter the Authority; the Competent Authority or ERA) in exercise of its powers under the Environment Protection Act (CAP. 549) hereby authorises:

Mr. Francis Vella
o.b.o General Precast Concrete Ltd.
Company registration number: **C12138**

(hereinafter “the Operator” or “the Permit Holder”),
Of / Whose Registered Office (or principal place of business) is at:

General Precast Concrete Ltd.
Hal Far Industrial Estate
B’Bugia

To carry out waste management activities related to the crushing of expanded polystyrene and operating a batching plant for the production of concrete products at:

General Precast Concrete Ltd.
Hal Far Industrial Estate
B’Bugia

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

This permit is valid for **two (2) years** from the date below. An application for renewal of this permit is to be submitted at least six weeks prior to expiry of this permit.

Signed

Date

Prof Victor Axiak Chairman	08 / 08 / 2018
-------------------------------	----------------

Authorised to sign on behalf of the Competent Authority

This page has deliberately been left blank

Conditions

1 General

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

Status Log

Detail	Date
<i>Application EP</i>	20 March 2013
<i>Permit Issued</i>	25 September 2013
<i>Permit determined by ERA Board</i>	20 July 2018

1.1 Permitted Activities

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

Table 1.1.1		
Activity	Description of specified activity	Limits of specified activity
Pre-cast concrete plant	Manufacturing of pre cast concrete products	From receipt of raw material to final production and dispatch of finished product.
Crushing of expanded Polystyrene	Crushing of expanded polystyrene and packing into bags for resale as a raw material/product	From receipt of waste material to final production and dispatch of finished product
End of Waste activity for waste expanded polystyrene	Shredding of waste expanded polystyrene and selling of granulated polystyrene	From receipt to shredding of waste expanded polystyrene and resale of granulated polystyrene as a product either locally or abroad. (Waste expanded polystyrene shall not be dispatched from the site as a product until such time that the Authority confirms in writing that End-of-Waste status has been achieved. Any waste expanded polystyrene that does not achieve End-of-Waste status shall be disposed of until End-of Waste status is achieved as confirmed by the Authority in line with condition 1.6.1)

Storage of Diesel for refuelling of the company's heavy plant vehicles	Storage and refuelling of heavy plant vehicles onsite.	From receipt of diesel in the underground storage onsite to refuelling of the company's heavy plant vehicles.
		(Activity shall not commence until ERA confirms in writing that requirements of Condition 1.5.1 have been satisfied)

1.2 Site

- 1.2.1 The activities authorised under condition 1.1.1 shall not extend beyond the Site, as shown on the Site Map in Schedule 2 to this Permit.

1.3 General Conditions

- 1.3.1 The conditions and obligations of this permit are without prejudice to any other regulation, code of practice, conditions or requirements requested by other Authorities or entities, including but not limited to the Planning Authority, Occupational Health and Safety Authority, Transport Malta and the Regulator for Energy and Water Services (REWS).
- 1.3.2 This permit is granted saving third party rights. The Permit Holder is not excused from obtaining any other permission required by law.
- 1.3.3 In these conditions and their interpretation, all terms shall have the same meaning as that assigned to them in S.L. 549.63 - the Waste Regulations.
- 1.3.4 The Permit Holder is to be legally responsible and accountable for managing the site in all its various aspects, thus ensuring that the waste management activity for which he has been granted a permit is carried out in accordance with the provisions as per S.L. 549.63 as amended, and other related legislation, as well as all the conditions of this permit
- 1.3.5 The site must be well secured to minimise the opportunity for unauthorised entry, An employee is to be present at all times during the operational hours of the facility; and the premises must be closed and secured when no operations are taking place on site.
- 1.3.6 The company shall maintain a register of third party complaints. The register shall record the name and address of the complainant(s), the date, location, source and nature of the complainant and the corrective action undertaken, where such action proves necessary.
- 1.3.7 All plant, equipment and technical means used in operating the Permitted Installation shall be maintained in good operating condition and without causing potentially polluting leaks and spillages. The operator shall keep maintenance records as Section 4.3.

The Permitted Installation shall be managed, controlled, supervised and operated by staff who are aware of the importance of environmental protection and suitably trained on the requirements of this Permit, in particular on those permit conditions relevant to their duties. All staff shall be provided with adequate training and written operating instructions to enable them to effectively carry out their duties. Such training shall be recorded and maintained in line with Condition 4.3.3.

- 1.3.8 Upon the joint application of an operator and a proposed transferee, the Authority may transfer the environmental permit to the proposed transferee. The transfer of the permit will not relieve any of the operators from his environmental obligations and liabilities.
- 1.3.9 The Authority shall carry out regular compliance checks that vary in frequency according to the site's compliance with the permit conditions. Any inspections carried out by the Authority are to be made at the Permit Holder's financial expense.
- 1.3.10 The Authority's representatives are empowered to inspect every part of the site and ask for any closed or locked areas to be opened. They are also entitled to be given any proof, documentation, plans, receipts or any other records which these Authority representatives may request.
- 1.3.11 The Authority may add, amend substitute or revoke any of the conditions of this permit after notifying the Permit Holder of its intention and after describing the changes to the Permit Holder. This, without prejudice to any prevailing circumstances that would preclude the Authority from following such a procedure.
- 1.3.12 The validity of this permit is until **08 August 2020**. The Permit Holder is able to renew the permit upon application with the Authority expressing his/her intention at least six (6) weeks prior to the expiry of the permit. The permit will be considered renewed once the official renewed permit is issued by the Authority.
- 1.3.13 This permit is issued against a **Bank Guarantee of €6,850** which shall be renewed annually. This guarantee will have to be maintained throughout the lifetime of the permit. Following renewal and/or variations to this permit, the Authority may require amendments to the Bank Guarantee.
- 1.3.14 The Authority may take part or all of the bank guarantee if the Permit Holder fails to take the necessary action, in cases of non-compliance with these permit conditions, the Act or any subsidiary legislation thereof, or in cases where environmental integrity is threatened. This bank guarantee is without prejudice to any environmental liabilities incurred by the operator through failure to adhere with permit conditions. Should the Authority forfeit the Bank Guarantee either in part or in full, the operator shall ensure that this is replenished without undue delay.
- 1.3.15 A copy of this permit shall be available at all times at the site office, including any Variation Notices or amendments to it.
- 1.3.16 The Authority may suspend or revoke this environmental permit or part of this environmental permit where significant mismanagement of the site is observed or any of the permit conditions are not respected after a written warning is given by the Authority or in any eventuality that gives the Authority enough reason to suspend or revoke this permit.
- 1.3.17 The operator may apply with the Authority for the release of the Bank Guarantee, which shall be released subject to the full compliance of the permit conditions, as confirmed by the Authority.
- 1.3.18 The Authority may request monitoring and/or review of operational practices and commission audits on the installation, as deemed necessary to address any circumstances that may affect the quality of the surrounding environment. Any required monitoring and audits shall be carried out at the expense of the Permit Holder.
- 1.3.19 Without prejudice to condition 1.3.18, the Authority may take any action deemed necessary including but not limited to the suspension of any activity/operation until investigations are concluded.

1.4 Operational Changes

- 1.4.1 The operator may apply for a variation in permit and shall seek the Authority's written agreement prior to any operational changes, by sending to the Authority
- a) Written notice of the details of the proposed change, including an assessment of its possible effects (including changes in emissions and waste production) on risks to the environment from the Permitted installation;
 - b) Any relevant supporting information (e.g. chemical/fuel consumption, technical details, changes in the type/use of substances/mixtures, etc.);
 - c) Any relevant supporting assessments and drawings, and;
 - d) The proposed implementation date.
- 1.4.2 Any such change shall not be implemented following the issue of a variation of the permit by the Authority.

1.5 Pre- Operational Conditions

- 1.5.1 Vehicle refuelling shall not be carried out until such time that the operator submits a proposal in relation to the construction of an impermeable area surrounded by a gutter and connected to an oil interceptor to address the vehicle refuelling area, including an implementation plan for the Authority's consideration. The proposal shall also include certification of the underground tank as per MSA EN 12285 by an independent warranted engineer. Conditions 2.5.8 to 2.5.18 shall be applicable once the Authority approves the proposal and the refuelling activity is authorized to commence.

1.6 Improvement Programme

- 1.6.1 The Operator shall complete the improvements specified in Table 1.6.1 by the date specified in that table, and shall send written notification of the date of completion of each requirement to the Authority within 10 working days of the completion of each such requirement.

Table 1.6.1: Improvement programme		
Reference	Requirement	Deadline
1.	Operator is to submit the End-of-Waste analysis for the expanded polystyrene for the Authority's consideration.	Within 3 months of issue of the permit.

2. Site Infrastructure and Equipment

2.1 General Site Infrastructure

- 2.1.1 The site perimeter shall be clearly delineated either by a chain link fence, bollards or low walls conforming to a permit issued under the Development Planning Act (CAP. 552) and subsidiary legislation. During non-operating hours the site shall be firmly closed and totally inaccessible to third parties, both by vehicle and on foot.
- 2.1.2 The quarantine area is to be maintained within the site boundary as submitted during the application process to temporarily hold waste that is produced on the site (refer to Section 3).

- 2.1.3 The site shall be clearly identified by a site identification board, which shall be replaced as soon as it is damaged or the information is no longer readable from a distance. The site identification board shall be located at the site entrance and shall contain the following information:
- a. The company name and address
 - b. Permit holder's name
 - c. List of authorised activities on site
 - d. 24-hour emergency mobile number
 - e. Permit Number (making it clear this site is permitted by the Authority)
 - f. Opening hours of the site
- 2.1.4 No waste shall be deposited, stored, treated or otherwise handled in any area of the site that is not impermeable.
- 2.1.5 The entrance/exit area to be Permitted Site shall be constructed on impervious grounds and shall be regularly cleaned so as to prevent vehicles from transporting dust and waste onto public roads.
- 2.1.6 A vehicle wheel wash/ wheel dip (or similar mitigation measures) shall be installed before the main exit of the Permitted Site to prevent vehicles from transporting dust and waste onto public roads.

2.2 Permitted Operations on Site

- 2.2.1 Only waste streams as set out in the European Waste Catalogue codes in Schedule 1 can be accepted and processed on site.
- 2.2.2 The total quantities of waste accepted at the site per year shall not exceed any value the Site can handle during the year. The total amount of waste that can be stored at any given time cannot exceed the capacity of the permitted facility as indicated by the operator during the application process. A change in either operational or storage capacity would require a permit variation.
- 2.2.3 All wastes leaving the site after storage and/or processing must only be sent to facilities licensed to accept the individual waste stream, either locally or abroad.
- 2.2.4 Liquid wastes generated onsite shall be kept in bunded areas to prevent contamination in case of accidental spillages. Spill kits or equivalent shall be kept on site in case of such spills occurring within the site during transport or handling.
- 2.2.5 The quantities of wastes on site shall not exceed their designated areas at any given time. When an area or container specified for a specific waste stream is full, this area or container shall be emptied prior to any further acceptance of waste of that type.
- 2.2.6 Any waste expanded polystyrene which is to achieve end-of waste criteria must adhere to the standards for production as per Schedule 4 and Schedule 4A of this permit.

2.3 Equipment on Site

- 2.3.1 The weighbridge/s shall be maintained and calibrated and certified by a warranted engineer or by the equipment's manufacturing company once every year. Records of such certification shall be reported as part of the Annual Environment Report as per condition 4.5.1 of this permit.

2.3.2 All plant equipment and technical means used in operating the Permitted Installation shall be maintained in a good operating condition and maintenance records of the above shall be kept by the operator.

2.3.3 All concrete batching plant equipment is to be installed and operated in accordance with the manufacturer recommendations, so as to minimise the release of emissions to air, land and water.

2.4 Storage Areas

2.4.1 All storage of materials or waste shall take place only in areas with impervious ground and where thorough clean up and site reinstatement can be readily undertaken.

2.4.2 The storage of flammable, toxic and hazardous substances and the maintenance of critical safety equipment shall correspond to good international practice.

2.4.3 It is prohibited to store mechanical parts or any other related waste on site, unless this is done in a closed structure that has impermeable ground and able to contain any spills within the closed structure.

2.5 Chemical and Fuel Storage

2.5.1 No storage of equipment or materials is permitted on property outside the site premises.

2.5.2 All bulk oil, chemical and fuel storage tanks shall be provided with an adequately designed bund system with an impermeable base and walls. The capacity of the bund shall be a minimum of 110% of the largest tank within the bund or 25% of the total capacity of all the tanks within the bund, whichever is the greater. All filling and off-take points shall be located within the bund.

2.5.3 Chemicals of different properties shall be stored as specified in respective MSDS sheets. Such sheets shall be made available and accessible to personnel responsible for the management of the storage areas and for inspection by the Competent Authority.

2.5.4 Drums and containers of solvents, paints, oils or any other chemicals shall be stored in designated and secure storage areas. Storage of flammable, toxic and hazardous substances and the maintenance of safety critical equipment shall correspond to good international practice. All storage of materials shall take place only in areas with impervious grounds or in bunded areas or otherwise designed so that surface and ground waters cannot be contaminated by spillages, and thorough clean-up and site reinstatement can be readily undertaken.

2.5.5 Small leaks or spills shall be cleared up immediately by the application of absorbent materials. All sand and other material shall be disposed of as approved by the responsible authority.

2.5.6 Bulk storage tanks for fuels, oils and chemicals, and associated bunding and pipe work shall be visually inspected at least twice a month. Such records shall be kept and made available to the authority upon request.

2.6 Conditions applicable to vehicle refuelling

2.6.1 The following conditions shall apply upon completion of requirements listed in condition 1.5.1:

- 2.6.1.1 All underground fuel storage tanks are to be double-skin tanks built according to “MSA EN 12285 – Workshop fabricated steel tanks Part 1: Horizontal cylindrical single and double skin tanks for the underground storage of flammable and non-flammable water polluting liquids.”
- 2.6.1.2 All distribution pipework shall be manufactured from thermoplastic multi-layer conductive petrol pipe with permeation barrier in accordance with “MSA EN 14125: 2004 -Thermoplastic and flexible metal pipework for underground installation at petrol filling stations”.
- 2.6.1.3 The refuelling and dispensing areas, shall be impermeable to petroleum intrusion.
- 2.6.1.4 The operator shall ensure that all offset fill points are located within the contained area
- 2.6.1.5 If the operator makes use of a flexible pipe to deliver the fuel, the operator shall ensure that the following conditions are observed:
 - a. The delivery end of the pipe is fitted with a pump or valve that closes automatically when not in use.
 - b. The valve or pump must be lockable and must be kept so when not in use.
 - c. The end of the pipe that leaves the tanker must be fitted with a lockable valve that must be shut when it is not in use.
- 2.6.1.6 Fuel delivery by road tanker shall be supervised at all times by personnel who are fully conversant with fuel filling procedures as relevant to their duties. No transferring of fuel shall occur outside the forecourt area.
- 2.6.1.7 Road tanker fuel storage compartments shall not be washed out or serviced on site.
- 2.6.1.8 The operator shall have in storage an adequate supply of suitable absorbent material to absorb any spillage.
- 2.6.1.9 All the refuelling and dispensing areas shall be surrounded by a gutter leading to a light liquid separator system for petroleum, such that no fuel can escape from the forecourt. The fuel separator system installed shall be of the type ‘Forecourt’ Separator Class 1 in accordance to “MSA EN 858 - Separator systems for light liquids (e.g. oil and petrol). Principles of product design, performance and testing, marking and quality control.”
- 2.6.1.10 Oil/water interceptors shall be inspected by an independent warranted engineer at least once every year, and shall amongst other things inspect the interceptor for efficiency of operation.
- 2.6.1.11 Oil/water interceptors and related gutters shall be monitored and maintained to ensure efficient operations. A log of waste removal from the interceptor shall be maintained on site and be available for inspection by the Authority.

3. Operational Procedures

3.1 Emissions

3.1.1 Emissions to Air

- 3.1.1.1 All processes which generate significant levels of airborne contaminants (such as dusts, toxic gases, odorous chemicals) shall have effective local collection and shall discharge (after treatment where necessary) through a stack or vent located and/or designed in such a way as to minimise impact on human health and the environment.
- 3.1.1.2 Emissions to air shall only arise from the emission points specified in Table 3.1.1.1, as per the description in the submitted EP application.
- 3.1.1.3 Cement silos shall be equipped with effective dust suppression equipment which limits dust generation. Such equipment shall be maintained on a regular basis (as per manufacturer specifications) so as to ensure 100% efficiency (of equipment). Records of maintenance on such dust suppression equipment shall be kept in line with Section 4.4 of this permit
- 3.1.1.4 Emissions to air shall only arise from the emission points specified in Table 3.1.1. 1. as per description in the submitted EP Application.

Table 3.1.1.1

Emission point reference	Source
PS1	Aggregate Storage Area
PS2	Cement Silos
PS3	Generator

- 3.1.1.5 The limit for emissions to air for the parameters and emission points listed in Table 3.1.1.2 shall not be exceeded. These limits refer to dry gas at 3% volume O₂ content.

Table 3.1.1.2

Emission point reference	Parameter	Limit
PS1, PS2	Total Deposited Dust	200mg/m ² /day

- 3.1.1.6 Diesel (gas oil) used for the generator shall have a Sulphur content not greater than 0.1%
- 3.1.1.7 The operator shall ensure that the generator referred to in Table 3.1.1.1 is certified by an independent warranted engineer. The certification shall be carried out during operation and shall be submitted as part of the Annual Environment Report every three years (Schedule 3).
- 3.1.1.8 Should the Authority deem it necessary, the Permit Holder is to submit a monitoring proposal for dust emissions within three (3) months of the Authority's written request.
- 3.1.1.9 All abatement equipment shall be cleaned and maintained on a regular basis, or as per the manufacturer specifications. Record of such maintenance shall be kept in accordance with Condition 4.4.2.
- 3.1.1.10 The Operator shall prevent or where that is not practical, reduce fugitive emissions of substances to air from the Permitted Installation.
- 3.1.1.11 Under abnormal operating conditions such as in the case of breakdown, the Operator shall reduce or close operations as soon as practical until normal operation can be restored.
- 3.1.1.12 All stockpiles of inert material are to be located and managed in such a way as to avoid contamination of air or water through wind or run off respectively storage. Where technically feasible stockpiles shall be covered (by impermeable membrane or thick plastic/rubber sheets) and sprinkled with water on a regular basis particularly during the summer months.

3.1.2 Effluent Discharges

- 3.1.2.1 No discharges to surface water or groundwater shall take place from the Permitted Installation.
- 3.1.2.2 No discharges to the foul sewer (other than from domestic sewage or equivalent) shall take place from the Permitted Installation.
- 3.1.2.3 The Operator shall undertake all necessary measures and precautions to prevent spillage of raw materials, intermediates, products, waste and any other materials.
- 3.1.2.4 Rainwater shall not be discharged into the sewer. Foul sewer drains must be strictly segregated from storm water drains.
- 3.1.2.5 All process and storage areas must be appropriately contained.
- 3.1.2.6 Spillages of oil or other hazardous material shall receive immediate attention to prevent escape to drain, surface water or land. Spilled material shall be disposed of in sites permitted under the relevant environmental regulations to accept such waste. It is the operator's responsibility to ascertain that such waste is properly disposed of.
- 3.1.2.7 Storm water from areas where contamination with solids is likely (such as loading/unloading areas, internal haulage roads/ open areas) must pass through an adequately sized sedimentation tank
- 3.1.2.8 Effluents consisting of solids including but not limited to concrete slurry (from sources such as production areas and washing areas of plant equipment) must pass through an adequately sized sedimentation tank.
- 3.1.2.9 The operator shall ensure that the sedimentation tank is regularly cleaned from the waste solids in order to as far as practical reduce the risk of tank overflow. The operator shall endeavour to reuse as far as practical sediment from the tank. Any sediment disposed of site shall be carried out authorised facilities. Record of such cleaning shall be kept in accordance with Condition 4.4.2.
- 3.1.2.10 The volume of contaminated storm water shall be minimised by such means as:
- Mechanical sweeping of dusty/dirty areas of the site on a regular basis
 - Directing storm water away from production/storage areas
 - Installing sediment barriers in storm water courses

3.1.3 Emissions to Land

- 3.1.3.1 No emission from the Permitted Installation shall be made to land.

3.1.4 Waste

- 3.1.4.1 Only waste streams as set out in the European Waste Catalogue codes in Schedule 1 can be accepted and processed on site.
- 3.1.4.2 The Permit Holder shall ensure that all waste management operations authorised in accordance with this Permit are carried out in an orderly manner and in such a way as to cause the least possible disturbance to the surroundings and the least possible adverse effects to third parties.
- 3.1.4.3 All wastes shall be stored within a designated and controlled storage area(s) prior to ultimate disposal. Any unpermitted wastes that may inadvertently enter the site must

be stored in a clearly defined quarantine area (Condition 2.1.2) and not be mixed with other wastes on site.

- 3.1.4.4 No incineration of waste or any other material is permitted on site
- 3.1.4.5 No storage, treatment or recovery of hazardous waste is allowed on site.
- 3.1.4.6 Any hazardous wastes which may inadvertently enter the sites shall be stored in a labelled, closed container(s) within a designated and controlled storage area(s) prior to ultimate disposal. Wastes of different natures shall not be mixed in the same container.
- 3.1.4.7 No storage of waste destined for disposal is permitted for a period exceeding 12 months.
- 3.1.4.8 No storage of waste destined for recovery is permitted for a period exceeding 3 years.
- 3.1.4.9 The operator is to prevent litter or other wastes escaping from the site boundaries. Any such escape of waste shall be collected immediately upon detection.
- 3.1.4.10 The Permit Holder shall maintain records of the weight of each waste consignment received and /or removed from the site, and such data is to be collected using a properly calibrated weighbridge. Operator is to submit details of the weighbridge used, together with its location and calibration details. Records of waste (expanded polystyrene) weighed prior to loading onto the vehicle from the point of collection may be accepted in lieu of onsite weighing.
- 3.1.4.11 End-of-waste criteria must be met for any waste to be classified as a product. In such cases, the operator shall comply with relevant criteria set by legislation. In the absence of any relevant legislation, the operator shall follow the procedure laid down in Regulation 6 of Subsidiary Legislation 549.63, the Waste Regulations and the provisions set out in Schedules 4 and 4A to this permit.
- 3.1.4.12 Waste expanded polystyrene shall not be dispatched from the site as a product until such time that the Authority confirms in writing that End-of-Waste status has been achieved. Any waste expanded polystyrene that does not achieve End-of-Waste shall be disposed of until End-of Waste status is achieved as confirmed by the Authority in line with condition 1.6.1
- 3.1.4.13 Crushing of expanded polystyrene shall be contained in a way that the shredded material is not exposed to the elements or prone to being windblown around the site.
- 3.1.4.14 Only registered waste carriers as per activity 38 of schedule 1 in Subsidiary Legislation 549.45 - the Waste Management (Activity Registration) Regulations are allowed to transport waste to and from this site.
- 3.1.4.15 The total quantities of waste accepted at the site per year shall not exceed the capacity of the permitted area as marked on site layout plan during the environmental permit application process.
- 3.1.4.16 The Permit Holder shall ensure to issue a receipt/certificate for every consignment of wastes accepted on Site indicating the date and time of the consignment and the weight of the waste received. Each receipt/certificate shall indicate the site name and permit number, as well as bearing a unique sequential number. Records of all waste consignments leaving the site shall also be officially recorded.
- 3.1.4.17 All wastes arising from activities taking place on site must only be sent to facilities licensed to accept the individual waste stream, either locally or abroad.

- 3.1.4.18 Transboundary movement of waste shall be carried out in accordance with the following regulations, as amended from time to time:
- a) Regulation (EC) N° 1013/2006 of the European Parliament and of the Council of 14 June 2006 on shipments of waste
 - b) (Commission Regulation (EC) N° 1418/2007 of 29 November 2007 concerning the export for recovery of certain waste listed in Annex III or IIIA to Regulation (EC) N° 1013/2006 of the European Parliament and of the Council to certain countries to which the OECD Decision on the control of transboundary movements of waste does not apply, and
 - c) Any other applicable legislation.
- 3.1.4.19 Disposal certificates shall be kept on record and made available for inspection for a period of at least 4 years from date of their issue.
- 3.1.4.20 All hazardous waste transferred off the site shall be accompanied by a valid hazardous waste Consignment Permit issued by ERA. Each consignment under the consignment permit shall be accompanied by a Consignment Note.

4. Site Management

4.1 Staff Obligations and Responsibilities

- 4.1.1 All employees authorised by the Permit Holder to undertake waste management activities on his/her behalf, shall be fully conversant with the obligations of this permit and shall be individually aware of their responsibilities and liabilities in observing the conditions of this permit.
- 4.1.2 One member of the staff shall be nominated as the Technically Competent Person (TCP) of the site, whereby this person is to physically represent the Permit Holder during the times when the Permit Holder will not be available.
- 4.1.3 The TCP is responsible for the implementation of all the obligations stipulated in this permit, must supervise the rest of the staff on site and is completely responsible to ascertain that all permit conditions are being adhered to and that unauthorised waste does not enter the site.
- 4.1.4 In the event of any short or long periods of sick leave or vacation leave taken by the TCP for a period exceeding 10 days, the Permit Holder is obliged to find a replacement for that member of staff without delay.
- 4.1.5 All the staff on site shall be fully aware of the procedures to be taken to contain any environmental hazard which may arise related to the activities being carried out on site.

4.2 Control of Mud, Debris & Emissions

- 4.2.1 At all times during the year the Permit Holder and/or TCP are to ascertain that the roads leading to the facility are clean and free of mud or large debris. In the event that mud or large debris is observed on the road the Permit Holder and/or TCP is to take remedial action and ascertain that the roads are immediately cleaned.

4.3 Accident Prevention and Control

- 4.3.1 The submitted Emergency Response Plan shall be maintained containing details of the location, nature and quantity of chemicals, oils and fuels stored, any special hazards, a drawing showing location of drains and the emergency phone numbers of the operator and relevant authorities. It shall also include actions to be taken in the case of incidents which could affect the environment, such as fires and chemical/fuel spills. The emergency plan shall indicate that accidental releases of chemicals and fires caused by chemicals are to be managed as specified in the respective MSDS sheets.
- 4.3.2 In the case of an accident (including fire, chemical spills, etc.), the Operator shall follow the Emergency Response Plan referred to in Condition 4.3.1 and, in the case that such accident could reasonable be regarded as causing environmental damage or as posing a threat of environmental damage, the Operator shall notify the Authority within 24 hours.

4.4 Site Records & Archive

- 4.4.1 A daily operational log shall be kept on site in which the following information shall be recorded on a daily basis:
- (a) Total amount of waste in kilos accepted or removed on site
 - (b) Total amount of waste in kilos removed from site for disposal or further treatment
 - (c) Total amount of waste in kilos refused entry on site.
 - (d) Total amount in kilos of unaccepted material sent to the quarantine area and by which registered waste carrier it was transported
 - (e) Any incidents that took place on site such as mechanical faults in the machinery or equipment used on site, any spills, fires, etc and the remedial action taken
 - (f) Any other incidents that the Permit Holder deems important to record.

Each record shall be compiled within 24 hours of the relevant event. The records kept in the site operational log shall be made available for inspection at any time when the Authority representatives request to inspect them.

- 4.4.2 The Operator shall ensure that all records required to be made by this Permit and any other records made by it in relation to the operation of the Permitted Installation shall:
- (a) be made available for inspection by the Authority upon request;
 - (b) be supplied to the Authority on demand and without charge and in the format requested;
 - (c) be legible;
 - (e) indicate any amendments which have been made and shall include the original record wherever possible; and
 - (f) be retained at the Permitted Installation, or other location agreed by the Authority in writing, for a minimum period of 3 years from the date when the records were made, unless otherwise agreed in writing.

4.5 Reporting

- 4.5.1 The Operator shall submit to the Authority an Annual Environmental Report (AER) of the previous year by not later than end of March of each year, providing the information listed in Schedule 3 of this Permit and in the format specified therein.
- 4.5.2 All reports and written and/or verbal notifications required by this Permit shall be made and sent to the Authority using the contact details notified in writing to the Operator by the Authority.

- 4.5.3 An independent auditor shall be engaged by the Operator to certify all of the waste reporting required by this permit, in line with the Audit Procedures - Terms of Reference found in Schedule 5 of this permit. The Authority may carry out any such audits on the installation itself as deemed necessary at the expense of the Operator in line with condition 1.3.19.
- 4.5.4 In the event where operations cease temporarily, the TCP or Permit Holder are obliged to notify the Authority within two (2) days and are also to inform the Authority with regards to when the works are intended to resume.

4.6 Site Closure and Decommissioning

- 4.6.1 In the event of cessation of business activity on the site, all wastes (including machinery, tanks, equipment) and hazardous materials must be removed from the site such that any pollution risk is avoided and the site is returned to a satisfactory state. The Operator shall notify the Authority at least three months prior to taking action, and shall submit a decommissioning plan to the Authority for approval.
- 4.6.2 When deemed necessary, the authority may require the permit holder to take such additional measures as it considers necessary with respect to after care obligations in relation, but not limited to the remedial action, rehabilitation, and monitoring of the waste management or waste production site.
- 4.6.3 A finalised version of the Decommissioning Plan shall be submitted to the Authority for approval not later than 10 days after the Authority is notified of the intention to decommission the site.
- 4.6.4 The approved Decommissioning Plan shall be implemented within 12 months of final cessation or decommissioning of the Permitted activities or part thereof or according to a timeframe as may be agreed with the Authority.

Schedule 1

List of Permitted Incoming Waste on Site

European Waste Codes	Description of Waste
15 01 02	Plastic (Expanded polystyrene) Packaging

Schedule 2 Site Map

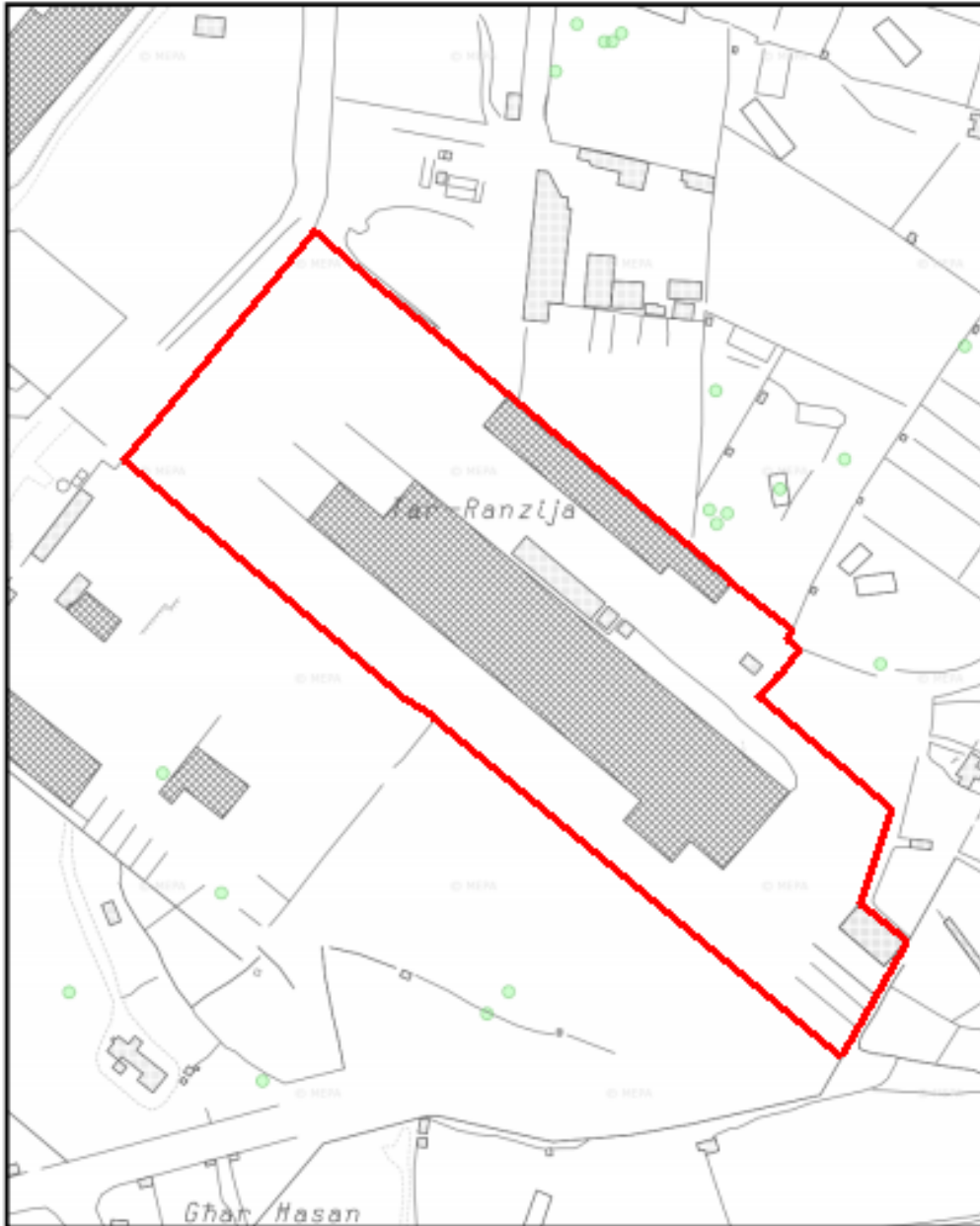


Fig. S2.1: Site of installation, showing extent of area authorised for activity, outlined in red for the carrying out of the activities specified in condition 1.1.1. The extent of the site boundary is indicative and shall not be used for interpretation purposes.

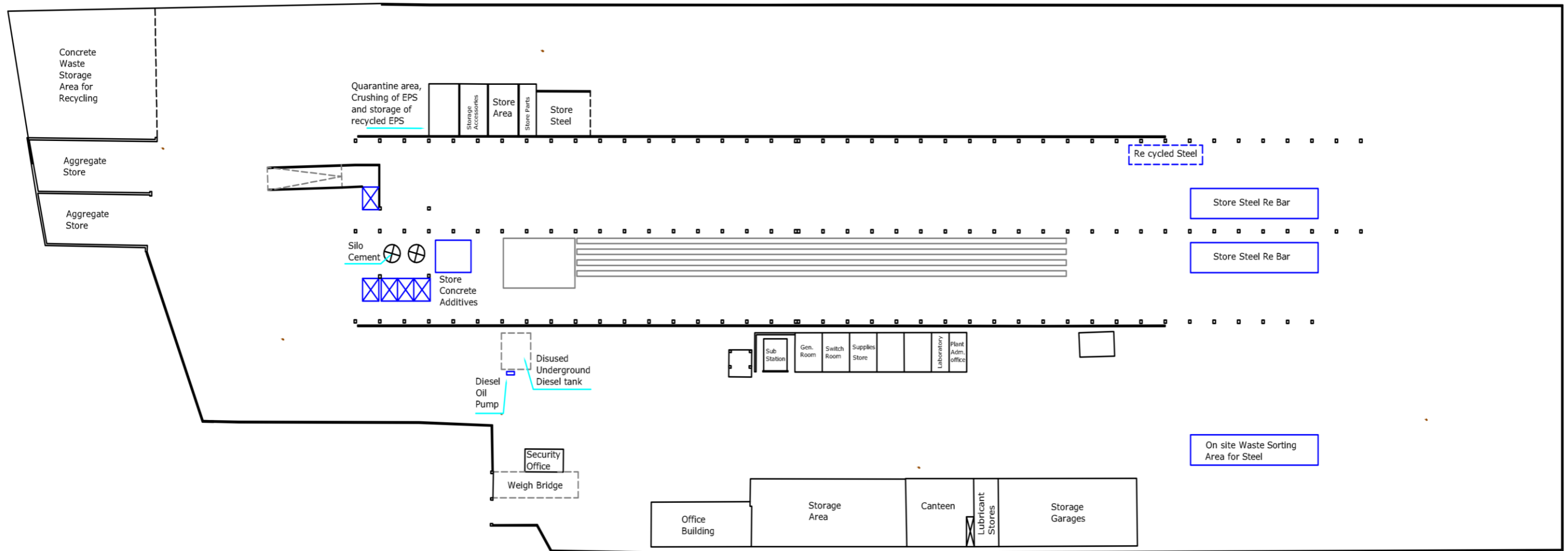


Fig S2.2: Site Layout Plan of installation for the carrying out of the activities specified in condition 1.1.1. The extent of the site boundary is indicative and shall not be used for interpretation purposes.

Schedule 3

Annual Environment Report and Submissions

Important note

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

S3.1 Introduction

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

S3.2 Fuel consumption

Equipment ¹	Fuel type	Sulphur Content of Fuel ²	Fuel Consumption	Units
				tonnes
				tonnes
				tonnes
				tonnes

S3.3 Waste Records

As per condition 4.5.1 the Operator shall submit to the Authority information on waste records of the previous year by not later than end of March of each year, providing the information listed in the ERA website and in the format specified therein (<http://era.org.mt/en/Pages/Waste-Management-Reporting-Templates.aspx>).

¹ E.g. Boiler, generator, vehicles etc.

² Specify units (e.g. as percentage, or mg/kg)

S3.4 Submission of Certifications

Condition Number	Documentation
2.3.1	Certification of weighbridge every year
3.1.1.6	Certification of generator every 3 years
4.5.1	Submission of waste records every year

Applicant's declaration

I declare that, to the best of my knowledge, all the above information is correct and substantiated.

.....
Name
(in block letters)

.....
ID Card Number

.....
on behalf of / in my own name
(in block letters)

.....
Signature

.....
Date

Schedule 4

End of Waste Criteria for waste expanded polystyrene

Required specifications

Following the review of the documentation submitted by the applicant it was concluded that:

- since the recovered expanded polystyrene is commonly used for specific purposes;
- since a market exists for the recovered expanded polystyrene; and
- since the use of the recovered expanded polystyrene will not lead to overall adverse environmental or human health impacts;

the material would no longer be classified as waste and therefore no longer subject to the legislation regulating waste, further provided that:

- (i) waste expanded polystyrene under EWC code **15 01 02** is treated according to the permit conditions; and
- (ii) the recovered expanded polystyrene fulfils the technical requirements, if applicable, for the specific purposes and meets the existing national and Union legislation and standards applicable to these materials.

The end-of-waste approval by the Environment and Resources Authority does not automatically imply that it is not a waste in:

- (i) other EU Member States, given that no end-of-waste criteria for waste expanded polystyrene have been established at an EU level; and
- (ii) third countries.

In this context, the applicant is to ensure in cases of exports, that the countries of transit and country of destination do not classify the material as waste under their national legislation.

This EoW permit is being approved subject to the following conditions:

- a) This procedure/approval would no longer be valid once end-of-waste criteria for waste expanded polystyrene would be established by the EU.
- b) This procedure/approval is valid only for the processing of the following EWC codes: **15 01 02**.
- c) The applicant shall maintain a record for each consignment by issuing a "Statement of Conformity with the End-of-Waste Criteria" (Annex 4A) with each consignment. These documents shall be kept for a minimum of three years and made available on request to the Competent Authority.
- d) The applicant is to submit a copy of all the Statements of Conformity as laid down in Annex 4A issued in a particular year together with the facility's annual report to be submitted to ERA.

- e) The applicant shall ensure that the percentage of the non-plastic components¹ in the material shall be less than or equal to 1% by weight of the material.
 - f) The applicant shall ensure that waste expanded polystyrene streams used as input shall be kept permanently separate from the contact with any other waste, including other waste polystyrene grades.
 - g) The applicant shall ensure that the input material has been cleaned, to the extent possible, prior to crushing.
 - h) The applicant shall ensure that all waste expanded polystyrene that have ceased to be waste are intended exclusively for the manufacture of light weight concrete.
-

¹ A **non-plastic component** is any material different from plastic, which is present in waste plastic. Examples of non- plastic components are metals, paper, glass, natural textiles, earth, sand, ash, dust, wax, bitumen, ceramics, -, and wood, except when these materials are integral constituents of the plastic structure in fillers and reinforcements such as minerals, glass fibre or wood fibres.

Schedule 4A**Statement of Conformity with the End-of-Waste Criteria laid down in schedule 4**

1.	<p>Producer/importer of the recovered expanded polystyrene:</p> <p>Name:</p> <p>Address:</p> <p>Contact person:</p> <p>Telephone:</p> <p>Fax:</p> <p>E-mail:</p>
2.	<p>a) The name or code of the expanded polystyrene category in accordance with an industry specification or standard.</p> <p>b) Content of non-plastic components, in percentage points of air dry weight (<1%):</p> <p>c) Origin of the material (tick where appropriate)</p> <p><input type="checkbox"/> Multi-material origin, such as from comingled collection</p> <p><input type="checkbox"/> Mono-material origin, such as from source-separated collection</p>
3.	Quantity of the consignment in kg.
4	The material in this consignment is intended exclusively for the use in the manufacture of construction related products.
5.	This consignment meets the criteria/conditions referred to in Schedule 4.
6.	Supporting this statement of Conformity, the safety data of the material in this consignment are provided, in compliance with the obligations of the Regulation EC 1096/2006 (REACH).
7.	<p>Declaration of the producer of the recovered expanded polystyrene:</p> <p>I certify that the above information is complete and correct and to my best knowledge:</p> <p>Name:</p> <p>Signature: Date:</p>

Schedule 5

Terms of Reference for Compliance Audits related to Annual Reporting for Authorised Waste Facilities

- S5.1 The auditor shall be independent (i.e. an auditor who would be eligible for appointment as company auditor), certified, and approved by the Authority. The auditor should have access to in-house environmental expertise or otherwise appoint a consultant having environmental expertise to assist him.
- S5.2 The auditor would be required to certify all the information reported to the Authority by the Authorised Waste Facility as specified in the ERA permit itself.
- S5.3 A sound auditing procedure for traceability, monitoring, and control should be in place for all the authorised waste managed on site in relation to the Waste Management permit or an Environmental permit.
- S5.4 The audit trail should cover all waste from the point of acceptance of waste into the facility to the end recovery or disposal facility (local or foreign).
- S5.5 Proper records and documentation should be kept where authorised waste are sent to duly authorised interim storage facilities, pending transfer to an authorised end disposal/recovery facilities. In such cases, proof is to be provided, as regards to that the authorised waste has been transferred to an authorised end disposal/recovery facility within a maximum of twelve (12) calendar months from the end of the annual reporting period.

The points overleaf shall be covered by the auditors in such audits, providing a detailed report of their findings. The Authority may reserve the right to request clarifications and further information from the auditors other than that provided in the audit report.

#	Nature and extent of audit procedures	Timing	Done by and date	W/P ref
1	<p>Objective: To confirm that there is a signed receipt for every waste transfer received at the site</p> <ul style="list-style-type: none"> Choose a random sample of 10% of the signed receipts for every waste transfer received at the site for each quarter within the calendar year and confirm that all waste entries are covered by an issued signed receipt. 			
2	<p>Objective: To ensure that an adequate audit trail is maintained to ensure that when a particular waste stream is being treated it can be traced back to its waste generator</p> <ul style="list-style-type: none"> Choose a random sample of 10% of the total waste being treated and ensure that its origin can be traced back. 			
3	<p>Objective: To confirm that any hazardous waste movements from the site (entry & exit) are covered with a hazardous waste consignment permit and consignment note</p> <ul style="list-style-type: none"> In cases of movement within the island of Malta, choose a random sample of 10% of the total no. of hazardous waste movements into and out of the site and confirm that all such movements are covered by a valid hazardous waste consignment permit and a waste consignment note. Confirm also that the relevant EWC code has been used. 			
4	<p>Objective: To confirm that any hazardous waste movements from the site (entry & exit) are covered with relevant TFS documentation of the Waste Shipments Regulation in cases of export</p> <ul style="list-style-type: none"> In cases of export, choose a random sample of 10% of the total no. of hazardous waste movements out of the site and the relevant TFS movement forms and confirm that all such movements are covered by valid relevant documentation. Confirm also that the relevant EWC code has been used. In the case of waste broker usage, ensure that the waste brokers used are registered with ERA as such. 			

5	<p>Objective: To confirm that any movement of non-hazardous waste movements from the site being sent for treatment abroad are covered by the relevant Annex VII documentation of the Waste Shipments Regulation in cases of export</p> <ul style="list-style-type: none"> Choose a random sample of 10% of the total no. of non-hazardous waste movements into and out of the site are covered by valid relevant documentation and/or records. Confirm also that the relevant EWC code has been used. In the case of waste broker usage, ensure that the waste brokers used are registered with ERA as such. 			
6	<p>Objective: To verify whether the quantities reported by the Waste Facility make reasonable sense</p> <ul style="list-style-type: none"> Choose a random sample of 10% of the total amount of waste being handled at the facility and confirm that all waste entries (in and out of the site) reported are verified by relative documentation and/or records. 			
7	<p>Objective: To ensure that the waste vehicles used by the authorised facility to transfer the waste to other permitted sites are registered with ERA</p> <ul style="list-style-type: none"> Obtain a list of approved waste carriers from ERA and confirm that the ones used by facility are registered with ERA. 			
8	<p>Objective: To ensure that, in cases where waste is transferred from the facility to other waste management facilities, locally or abroad, the waste management facilities used would either be approved by ERA or the Competent Authority of the Country of Destination</p> <ul style="list-style-type: none"> Obtain a list of locally approved waste management facilities from ERA and confirm that the ones used by the facility are approved and authorised by ERA. Obtain a copy of the permits of any foreign authorised waste management facilities which have been utilised. An original copy of the permit and an approved translated version of the permit is to be presented to ERA. 			
9	<p>Objective: To ensure that the declared quantities of waste exported during the previous calendar year were actually received at the authorised facilities and declared to ERA</p> <ul style="list-style-type: none"> Obtain all certificates received from recycling facilities and confirm that these have all been declared to ERA prior to shipment Confirm arithmetical correctness of all reported data in this regard. 			

10	Objective: To identify the waste being treated both locally and abroad, and ensure that it has been recovered appropriately <ul style="list-style-type: none">• Ensure that all relevant documentation, including but not limited to, the hazardous waste consignment permit and consignment note applications, are available in case of local treatment.• Identify the materials exported according to the EWC Code and review actual documentation (including bills of lading) confirming an audit trail showing that the waste has been sent to a recovery facility as per permit requirements.			
-----------	--	--	--	--

END OF PERMIT