

Environmental Permit

Environment Protection Act (CAP. 549)

Permit number

EP 0089/20

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.

(hereinafter “the Permit Holder”)

Of / Whose Registered Office (or principal place of business) is at

General Precast Concrete Ltd.

Hal Far Industrial Estate

B’Bugia

(Company Registration Number: **C 12138**)

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

This permit is valid for **four (4) years** from the permit granted date below. An application for renewal of this permit is to be submitted at least **six (6) months** prior to expiry of this permit.

Signed

Date

Prof Victor Axiak Chairman	Permit Granted: 16 / 09 / 2020
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Authorised to sign on behalf of the Competent Authority

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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>EP application received</i>	20 th March 2013
<i>Permit (EP 07/13/A) granted</i>	25 th September 2013
<i>Renewal (EP 07/13/B) granted</i>	8 th August 2018
<i>Renewal and variation (EP 0089/20) determined by ERA Board</i>	7 th August 2020

1.1 Permitted Activities

1.1.1 The Permit Holder is authorised to carry out the activities and the associated activities specified in Table 1.1.1. All activities shall only be carried out at the areas indicated in Error! Reference source not found..

Table 1.1.1

Activity	Description of specified activity	Limits of specified activity
Pre-cast concrete plant	Production of concrete products	From receipt of raw materials to final production in steel fixing area 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 1.5.1 and Table 1.5.1)

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 4 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, the Occupational Health and Safety Authority, Transport Malta, the Malta Resources Authority, 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 CAP 549 Environment Protection Act and its subsidiary legislation.
- 1.3.4 The Permit Holder has the sole responsibility to ascertain compliance with legal obligations, permit conditions and to undertake activities on and off site in line with good environmental practices at all times.
- 1.3.5 The Permit Holder shall maintain a register of third party complaints. The register shall record the details of the complainant(s) if available, the date, source and nature of the complaint and the corrective action undertaken, where such action proves necessary.
- 1.3.6 All plant, equipment and technical means used in operating the Permitted Installation shall be maintained in good operating condition and without causing polluting emissions, leaks and spillages. Maintenance records of the above shall be kept by the Permit Holder and shall be made available to officers of the Authority for review upon request.
- 1.3.7 The Permitted Installation shall be managed, controlled, supervised and operated by staff that are aware of the importance of environmental protection and suitably trained on the requirements of this Permit. 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 4.3.4.

- 1.3.8 Upon the joint application of a Permit Holder and a proposed transferee, the Permit Holder may request to transfer an environment permit. The permit shall not be transferred from the Permit Holder without prior approval from the Authority. Upon the Authority's decision to transfer the permit to the transferee, all rights, obligations, liabilities shall subsist onto the transferee.
- 1.3.9 The Authority may carry out regular pre-set or unannounced compliance or monitoring checks that vary in frequency according to the site's compliance with the permit conditions and safeguarding of natural assets. Any checks or audits carried out by the Authority may be made at the Permit Holder's financial expense at the rate and arrangement communicated by ERA's Compliance and Enforcement Directorate.
- 1.3.10 The Authority's representatives may inspect and photograph any part of the site and ask for any closed or locked areas to be opened and may demand to be provided with any proof, documentation, plans, receipts or any other records.
- 1.3.11 The Authority may add, amend, delete or substitute 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 Authority may suspend or revoke this environmental permit in line with the provisions of CAP 549.
- 1.3.13 The permit is valid for a period of **four (4) years** from the date of the granting. The Permit Holder may apply for a renewal to this permit expressing his/her intention at least **six (6) months** prior to the expiry of the permit. The permit will be considered renewed once the official renewed permit is granted by the Authority.
- 1.3.14 In accordance to the provisions of Subsidiary Legislation 549.63, this permit is granted against a bank guarantee of **€7,600**, which shall be renewed annually. This guarantee will have to be maintained throughout the validity of the permit. Following renewal and/or variations to this permit, the Authority may require amendments to the Bank Guarantee.
- 1.3.15 The Bank Guarantee shall remain in place for the duration of validity of this permit and shall only be released upon confirmation of full compliance with the permit conditions by the Authority.
- 1.3.16 The Authority may take part or all of the bank guarantee if the Permit Holder fails to take necessary action or fails to fulfil his legal obligations under the Act or its subsidiary legislation thereof, in cases of non-compliance with these permit conditions, or in cases where environmental integrity is threatened. This bank guarantee is without prejudice to any environmental liabilities incurred by the Permit Holder through failure to adhere to permit conditions or any other works/activity carried out on site. Should the Authority forfeit the Bank Guarantee either in part or in full, the Permit Holder shall ensure that this is replenished without undue delay, in any case not exceeding 2 months from the date of forfeiture.
- 1.3.17 In cases where the bank guarantee does not cover the expenses incurred by the Authority to take remedial action on the Permit Holder's behalf, the Permit Holder is to financially reimburse the Authority of all the expenses incurred within.

- 1.3.18 A copy of this permit shall be available at all times at the site office, including any Variation Notices or amendments to it.
- 1.3.19 The Authority may request additional monitoring and/or review of operational practices and commission audits/reports as deemed necessary to address any circumstances that may affect the quality of the surrounding environment, at the expense of the Permit Holder.
- 1.3.20 Without prejudice to condition 1.3.19, the Authority may take any action deemed necessary including but not limited to the suspension of any activity/operation until investigations are concluded.
- 1.3.21 The Authority may stop any consignment/s of waste in transit from the site should the Authority require any checks and/or investigations on such a consignment/s.
- 1.3.22 Incoming waste and outgoing waste shall be kept separately. All separated outgoing waste shall be kept separated and shall not be mixed.
- 1.3.23 In the event of spillages or incidents, which could have led to contamination of land, the Permit Holder shall notify the Authority within 24 hours, forward a decontamination plan for the Authority's approval and execute it within an agreed time frame.

1.4 Operational Changes

- 1.4.1 The Permit Holder 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 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. Assessments and drawings, and;
 - d. The proposed implementation date.

Any such change shall only be implemented following the issue of a variation of the permit by the Authority.

- 1.4.2 Permit Holder shall notify the following matters to the Authority in writing at least 10 working days prior to their occurrence:
 - a. Any change in the Permit Holder's trading name, registered name or registered office address;
 - b. Any change to particulars of the Permit Holder's corporate identity.

1.5 Improvement Programme

- 1.5.1 The Permit Holder shall complete the improvements specified in Table 1.5.1 by the date specified in that table, and shall send written notification of the date of

completion of each requirement to the Authority on ced.facilities@era.org.mt within 10 working days of the completion of each such requirement.

Reference	Requirement	Deadline
1.	The Permit Holder is to submit the End-of-Waste analysis for the expanded polystyrene for the Authority's consideration.	Within 1 month from the granting of the permit
2.	To obtain MCCA clearance regarding the end-of waste for the expanded polystyrene for use in the construction products and provide such clearance to the Authority.	Within 2 month from the granting 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. During non-operating hours the site shall be securely closed and totally inaccessible to third parties, both by vehicle and on foot. The site must be well secured at all times.
- 2.1.2 The designated and labelled quarantine area shall be kept within the site boundary to temporarily hold unpermitted waste that may inadvertently enter the site. A non-leaking skip or similar contained structure shall be utilised for the temporary storage of unpermitted waste. The quantity of waste in the quarantine area should not exceed the capacity of said area at any given time.
- 2.1.3 The entrance/exit area to be Permitted Site shall be asphalted or concreted and shall be regularly cleaned so as to prevent vehicles from transporting dust and waste onto public roads.
- 2.1.4 A vehicle wheel wash/ wheel dip (or similar mitigation measures) shall be maintained before the main exit of the Permitted Site so as to prevent vehicles from transporting dust and waste onto public roads.

2.2 Storage Areas

- 2.2.1 All storage of materials, fuels, oils and waste shall take place only in areas with impervious ground and where thorough clean up and site reinstatement can be readily undertaken.
- 2.2.2 Containers for bulk storage of chemicals shall be properly designed, located, labelled, bunded and maintained so as to prevent accidental spillage. Incompatible chemicals shall not be stored within the same bund. Storage areas shall have impervious ground and shall be bunded or otherwise designed so that surface and ground waters cannot be contaminated by spillages.

- 2.2.3 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 included in the site operational log.
- 2.2.4 All small storages of oils and lubricants used for everyday site operations shall be equipped with a containment system such as drip trays in order to prevent leakages or spillages.
- 2.2.5 Chemicals of different properties shall be stored as specified in respective SDS 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.
- 2.2.6 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.
- 2.2.7 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.
- 2.2.8 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.
- 2.2.9 Any storage of fuel oils or lubricating oils on site must be kept in leak proof containers and stored in a bunded area that is capable of holding 110% of the total volume of the stored material. The Permit Holder shall also ensure and take all precautions in his competence to avoid any leakages or spills from liquid or solid material that can cause environmental harm. Filling and off-take points shall be located within the bund, which shall not have any drainage connections for rainwater.
- 2.2.10 The storage of waste oils in large quantities is also prohibited on site. This waste is to be disposed of at a licensed facility that is authorised to accept this type of waste and is to be transported in robust, leak-proof drums via a registered waste carrier in possession of a valid Class D (3) permit. Receipts of such transfers and documentation from the licensed facility to which this waste has been transferred are to be kept, and provided whenever requested by the Authority's representatives. Waste oils shall not exceed more than two (2) 45-gallon drums in volume.
- 2.2.11 Any waste expanded polystyrene which is to achieve end-of waste criteria must adhere to the standards for production as per Schedule 5 and Schedule 5A of this permit.

2.3 Equipment on Site

- 2.3.1 The weighbridge shall be maintained, calibrated and certified by a warranted engineer or by the equipment's manufacturing company within one month from the granting of the permit. The annual certificate is to be submitted to the Authority annually as part of the AER as per condition 4.3.2.
- 2.3.2 All plant equipment and technical, used in operating the Permitted Installation shall be maintained in a good operating condition and without causing polluting emissions, leaks and spillages. Maintenance records of the above shall be kept by the Permit Holder and shall be made available to officers of the Authority for review upon request.
- 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 dust, volatile organic compounds and other gaseous products to air, land and water.

3. Operational Procedures

3.1 General waste Acceptance, Storage and Handling

- 3.1.1 The Permit Holder shall apply the precautionary principle to safeguard the environment whilst carrying out the permitted activities and shall immediately refuse the entry of waste that is suspected to be in breach of the conditions of this permit.
- 3.1.2 The Permit Holder shall ensure that all 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.
- 3.1.3 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 removed immediately.
- 3.1.4 No waste shall be handled beyond the boundary of the permitted site area as indicated in Fig 4A in Schedule 4. Movements of waste outside of the permitted warehouse for the purpose of loading may not commence prior to the arrival of the truck/container on site.
- 3.1.5 All wastes leaving the site after storage and/or processing must only be sent to authorised facilities licensed to accept the individual waste stream, either locally or abroad. In this regard, in the case of local facilities, the Permit Holder shall only make use of disposal/recovery sites that are duly permitted by the Competent Authority, as set in the Subsidiary Legislation 549.63 – the Waste Regulations or by authorised waste management facilities abroad. The transfer of hazardous waste from the site and every individual movement of hazardous waste shall be accompanied by a valid consignment permit and consignment note obtainable from the Competent Authority.
- 3.1.6 No storage of waste destined for disposal is permitted for a period exceeding 12 months. No storage of waste destined for recovery or treatment is permitted for a period exceeding 3 years.

- 3.1.7 The Permit Holder is to prevent litter or other wastes escaping from the site boundaries particularly during loading/unloading. Any such escape of waste shall be collected immediately upon detection.
- 3.1.8 No storage of waste equipment or materials shall be handled beyond the boundary of the permitted facility. Only registered waste carriers as per activity 38 of Schedule 1 in S.L. 549.45, the Waste Management (Activity Registration) Regulations are allowed to transport waste to and from this site.
- 3.1.9 The storage of hazardous waste generated on site only shall comply with the requirements of S.L. 549.45 - the Waste Management (Activity Registration) Regulations.
- 3.1.10 Liquid and hazardous waste shall be stored in a labelled, closed container(s) within a designated impermeable and controlled storage area(s), equipped with an appropriate bunding system, prior to ultimate disposal. Wastes of different natures shall not be mixed in the same container.
- 3.1.11 Only waste streams as set out in the European Waste Catalogue codes in Schedule 1 can be accepted and processed on site.
- 3.1.12 No incineration of waste or any other material is permitted on site
- 3.1.13 No storage, treatment or recovery of hazardous waste is allowed on site.
- 3.1.14 Any hazardous wastes which may inadvertently enter the site 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.
- 3.1.15 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. The Permit Holder 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.
- 3.1.16 End-of-waste criteria must be met for any waste to be classified as a product. In such cases, the Permit Holder shall comply with relevant criteria set by legislation. In the absence of any relevant legislation, the Permit Holder shall follow the procedure laid down in Regulation 6 of Subsidiary Legislation 549.63, the Waste Regulations and the provisions set out in Schedules 5 and 5A to this permit.
- 3.1.17 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 1.5.1.
- 3.1.18 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.

- 3.1.19 Should the Permit Holder require the services of a waste broker, it shall be ensured that any such broker is a duly registered waste broker in accordance with S.L. 549.45.
- 3.1.20 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 as implemented through S.L. 549.65;
 - 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.
- 3.1.21 Disposal and/or recovery certificates and any documentation related to transfer of waste to and from the site and/or related to its end disposal and/or recovery shall be kept on record and made available for inspection for a period of at least 5 years from date of their issue. Copies of such certificates shall be submitted on an annual basis as part of the AER.
- 3.1.22 The Permit Holder shall also ensure to issue/attain a receipt / certificate for every consignment of waste accepted/ removed from the site also indicating the date and time of the consignment and the weight of the waste accepted/removed. Each receipt / certificate shall indicate the site name and permit number, as well as bearing a unique sequential number.
- 3.1.23 An audit trail is to be maintained for the waste received and sent for treatment, recovery or disposal to another facility locally or abroad, which audit trail shall cover all waste from the point of generation or collection to the end recovery facility abroad.
- 3.1.24 No liquid wastes shall be accepted on site.

3.2 Emissions to Air

- 3.2.1 All processes which generate significant levels of airborne contaminants (such as dusts, toxic gases, and odorous chemicals) beyond the site boundary shall be fitted with abatement measures designed in such a way as to avoid local impacts.
- 3.2.2 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 4.3 of this permit.
- 3.2.3 Emissions to air shall arise from the emission points specified in Table 3.2.3, as per the description in the submitted EP application.

Table 3.2.3

Emission reference	Source
PS 1	Aggregate Storage Area
PS 2	Cement Silo
PS 3	Generator

- 3.2.4 ERA recommends that diesel (gas oil) generators, boilers and fixed crushers shall have a sulfur content of not greater than 0.1%.
- 3.2.5 The co-incineration of any material or additional fuel including engine or other waste oil is strictly prohibited. Any change in fuel type shall require the notification and approval of the Authority prior to commencement of its utilisation.
- 3.2.6 The Permit Holder shall submit certification for the generator (PS 3) referred to in table 3.2.3, by an independent warranted engineer showing that the combustion plants are in good working condition every four years. The certifications shall be submitted as part of the Annual Environmental Report (AER).
- 3.2.7 Should the Permit Holder intend to install equipment, which could lead to additional emissions to air (e.g. boiler, etc.), a variation of this Permit must be secured prior to installation and operation of this equipment.
- 3.2.8 The Authority may request monitoring of emissions to air listed in table 3.2.3, which shall be undertaken in accordance to the terms of reference provided by the Authority.
- 3.2.9 Sampling and analysis of polluting substances and measurements of process parameters shall be based on methods enabling reliable, representative and comparable results. Methods complying with harmonised EN standards shall be presumed to satisfy this requirement.
- 3.2.10 In the event of malfunction or breakdown leading to abnormal emissions from equipment, the Permit Holder must:
- a. Investigate immediately and undertake corrective action, and
 - b. Adjust the process or activity to minimise those emissions, and
 - c. Record the events and actions taken.
- 3.2.11 Further to condition 3.2.10, the Permit Holder shall provide ERA with details of the specific cause of the malfunction and the remedial steps taken or to be taken to address the malfunction.
- 3.2.12 All abatement equipment and ducting shall be cleaned and maintained on a regular basis, as per manufacturer specifications. Records of such maintenance shall be kept in accordance with Condition 4.2.1.
- 3.2.13 The exhaust from general building ventilation (e.g. extractors or fans in walls or roofs) and any extracted fumes and gases shall be vented in such a way as to avoid environmental effects.

- 3.2.14 The Permit Holder shall prevent or where that is not practical, reduce fugitive emissions of substances to air from the Permitted Installation. Particular areas of the operation which may generate dust shall be regularly wetted down to mitigate dust emissions onto the surroundings

3.3 Effluent Discharges

- 3.3.1 No discharges to surface or ground water shall take place from the Permitted installation.
- 3.3.2 The Permit Holder shall undertake all necessary measures and precautions to prevent spillage of materials such as waste oils, lubricant oils and any other materials that may potentially contaminate the environment.
- 3.3.3 Spillages of oil or other hazardous material shall receive immediate attention to prevent escape to drain, surface water, groundwater or land. All such storage areas must be appropriately contained. Spilled material shall be disposed of in sites permitted under the relevant environmental regulations to accept such waste. It is the Permit Holder's responsibility to ascertain that such waste is properly disposed of.
- 3.3.4 Foul sewer drains must be strictly segregated from stormwater drains. The Permit Holder shall endeavour to collect rainwater in a suitable reservoir or cistern.
- 3.3.5 Rainwater shall be collected and segregated from all process areas that are potentially contaminated with raw materials, intermediates and/or products. If this is not possible, rainwater from areas where contamination by oil or chemicals is likely (such as loading/unloading and bunded areas) shall pass through an adequately sized interceptor.
- 3.3.6 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.
- 3.3.7 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.
- 3.3.8 Effluents consisting of solids (from such sources as washing of ready-mix delivery vehicles etc.) must pass through an adequately sized settlement tank.
- 3.3.9 The volume of contaminated storm water shall be minimised by such means as:
- a. Mechanical sweeping of dusty/dirty areas of the site on a regular basis
 - b. Directing stormwater away from production/storage areas
 - c. Installing sediment barriers in stormwater courses
- 3.3.10 Storm water from areas where contamination is likely (such as loading/unloading areas) must pass through an adequately sized settlement tank.

- 3.3.11 The Permit Holder shall undertake all necessary measures and precautions to prevent spillage of raw materials, intermediates, products, waste and any other materials.
- 3.3.12 All process and storage areas must be appropriately contained. 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 Permit Holder's responsibility to ascertain that such waste is properly disposed of.

3.4 Emissions to Land

- 3.4.1 No emissions from the Permitted Installation shall be made to land.
- 3.4.2 In the event of spillages or incidents, which could have led to contamination of land, the Permit Holder shall notify the Authority within 24 hours, forward a decontamination plan for the Authority's approval and execute it within an agreed time frame.

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. They shall be provided with adequate professional technical development and training and written operating instructions to enable them to effectively carry out duties.
- 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 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, or change in TCP, the Permit Holder is obliged to find a replacement for that member of staff immediately.
- 4.1.4 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.
- 4.1.5 All the staff on site shall be fully knowledgeable on the handling and usage of fire extinguishers on site.
- 4.1.6 All staff shall be fully conversant with those aspects of the Permit conditions, which are relevant to their duties.
- 4.1.7 All the staff on site shall be fully aware of the procedures to be taken in the event of an accidental spill of any liquid other than water and how to contain the environmental hazard.

4.1.8 The Permit Holder shall conduct any monitoring programme/s as may be required by the Authority after consultation with other entities to ensure that the quality of groundwater in the area is not compromised in the event of an environment hazard.

4.1.9 In the event of a spill, the Authority may commission an independent expert at the Permit Holder's expense or ask the Permit Holder to commission an independent expert to undertake any study deemed necessary after consulting the Malta Resources Authority.

4.2 Site Records & Archive

4.2.1 A site daily operations log shall be made in a legible manner and kept on site and be made available for inspection by the Authority at any reasonable time. The following information shall be recorded on a daily basis and retained for 5 years:

- a. Total amount of waste in tonnes accepted on site.
- b. Total amount of waste in tonnes refused entry on site.
- c. Total amount in tonnes and specific waste stream transferred from site.
- d. 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
- e. Records related to Section 4.2
- f. Any other incidents that the Permit Holder deems important to record in the Site daily operations log.

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

4.2.2 A full record is to be kept of all the vehicles entering the site carrying waste to be recycled, date and time of entrance and the tonnage of each vehicle.

4.2.3 The Permit Holder shall ensure that all records required to be kept by this Permit and any other records required 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 in the format requested;
- c. Be legible;
- d. Indicate any amendments which have been made and shall include the original record; and
- e. 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.

4.2.4 The Permit Holder may wish to establish an Environmental Management System (EMS) to facilitate compliance with permit conditions and to assist in formalising procedures required by this permit. An EMS can take the form of a standardised system (e.g. EN ISO 14001:2015 or EMAS) or a non-standardised ("customised") system, provided that is properly designed and implemented. Guidance for a non-standardised ("customised") system is included in Schedule 6 of this permit.

4.3 Reporting

- 4.3.1 All reports and written required by this Permit shall be made and sent to the Authority addressed to the Compliance and Enforcement Directorate, Environment and Resources Authority.
- 4.3.2 The Permit Holder shall also 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 2 of this Permit and in the format specified therein. It shall also be ensured that all certification and documentation as per Schedule 2 are submitted according to the relevant timeframes therein.
- 4.3.3 In the event where operations cease temporarily (2 weeks or more), 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.
- 4.3.4 The Authority shall be informed within 24 hours in the event of an environmental hazard or major incidents.

4.4 Accident prevention and control

- 4.4.1 An 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 Permit Holder 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 SDS sheets.
- 4.4.2 In the case of an accident (including chemical spills, etc.), the Permit Holder shall follow the Emergency Response Plan referred to in Condition 4.4.1 and, notify the Authority within 24 hour.
- 4.4.3 Spillages of chemicals or other hazardous material shall receive immediate attention to prevent escape to drain, surface water or land. Spilled material shall be disposed of in an appropriate manner. Kits for the collection of liquid and powder spills shall be available on site at strategic locations.
- 4.4.4 Small leaks or spills shall be cleared up immediately by the application of absorbent materials. All used absorbent materials shall be disposed of as hazardous waste at facilities permitted to accept such waste. Transfer of this waste shall be carried out as per conditions specified in section 3.2 of this permit.
- 4.4.5 The Permit Holder shall have in storage an adequate supply of suitable absorbent material to absorb any spillage.

5. Cessation of Activity

- 5.1 The Permit Holder shall notify the Authority prior to ceasing operations permanently in part or full, whereby an application for cessation of operations shall be made to the Authority and shall include a decommissioning plan.
- 5.2 In the event that the activities listed in condition 1.1 of this permit ceases unexpectedly and the Permit Holder is no longer interested in pursuing the permitted activity, the Permit Holder is to notify the Authority within seven (7) days.
- 5.3 All obligations of this permit shall subsist until such time that the Authority notifies the Permit Holder in writing that all obligations and conditions of the permit have been fulfilled without prejudice to any liabilities and third party rights.
- 5.4 All obligations of this permit shall subsist until such time that the Authority notifies the Permit Holder in writing that all obligations and conditions of the permit have been fulfilled without prejudice to any liabilities and third party rights.

Schedule 1

Complete List of Permitted Waste on site

Incoming waste

15 01 02 Plastic (Expanded polystyrene) Packaging

Schedule 2**Annual Environment Report and Submissions****Important note**

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

S2.1 Introduction

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

S2.2 Waste Records**S2.2.1 Mineral Waste Records**

Mineral waste treatment sites				
Site I.D _____				
			Amount in Tonnes	Specification
Section 1	Waste Input	Mineral waste from Construction & Demolition (including civil engineering)		
		Excavation waste		
		Asphalt or tarmac waste		
		Soil		
		Sub-Total		
Section 3	Waste Treatment			
		Recycling (e.g. crushing)		
		Other (please specify type)		
		Sub-Total		
Section 3	Material Output (after waste treatment of C&D waste)	Aggregates for concrete		
		Aggregates for roadworks		
		Crushed material as torba		
		Crushed material for backfilling		
		Other (please specify type)		
		Sub-Total		
	Material Output (after waste treatment of Excavation waste)	Aggregates for concrete		
Aggregates for roadworks				
Crushed material as torba				
Crushed material for backfilling				
Sub-Total				
Section 4	Waste Output (resulting after treatment) - Ex: Wood, plastic, metals	Total amount (please specify destination)		

S2.2 Waste Records (waste removed from site)

Waste Type		Amount (tonnes / number)	Location of Disposal	
Tyres				
Scrap metal				
Others (please specify):				
Hazardous waste type	EWC Code ¹	Consignment note number	Destination	Quantity (tonnes)
Off-site transfers of hazardous waste (please specify, eg: Waste Oils, Batteries):				

The Permit Holder or TCP is also obliged to send to the Authority on a report on the following information:

- a. Vehicles refused entry
- b. Registration plates and Company name of vehicles who brought in unacceptable waste loads

S2.3 Fuel Consumption Data

Equipment ²	Fuel type	Fuel Consumption	Units
			tonnes
			tonnes
			tonnes
			tonnes

S2.4 Submission of certificates

Certification of Weighbridge Calibration every year	<input type="checkbox"/>
Certification of Generator every four years	<input type="checkbox"/>
Compliance Audit related to Annual Reporting for Authorised Waste Facilities	<input type="checkbox"/>

¹ European Waste Codes Catalogue
<https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:02000D0532-20150601&qid=1475495799963&from=EN>

² E.g. Boiler, generator, vehicles, etc.

Applicant's declaration

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

.....
Name
name
(in block letters)

.....
ID Card Number

.....
on behalf of / in my own

(in block letters)

.....
Signature

.....
Date

Schedule 3A

Site Map



Fig. S3A: Site of installation in red, showing extent of area authorised for activity (marked 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.

Schedule 3B
 Site Map – detailed operational infrastructure

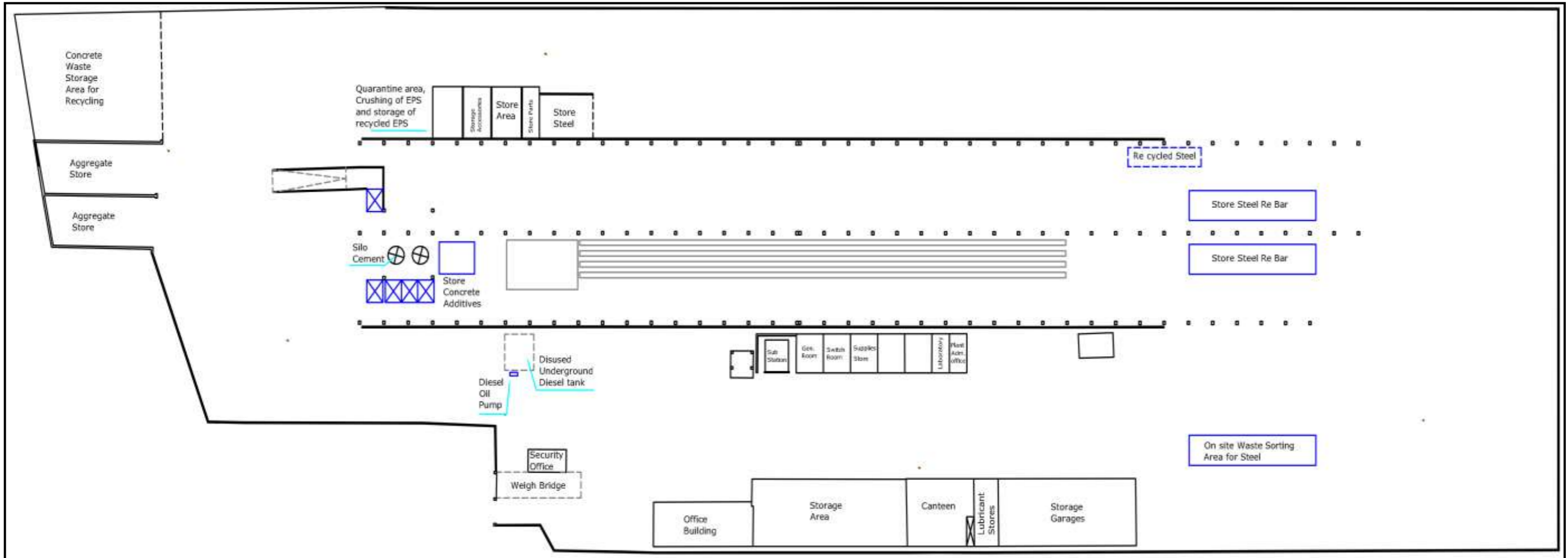


Fig. S3B: Site of installation, showing detailed operational infrastructure for the carrying out of the activities specified in condition 1.1.1. The extent of the site boundary is indicative and shall not be used for interpretation purposes.

Schedule 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 5

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	<p>Objective: To identify the waste being treated both locally and abroad, and ensure that it has been recovered appropriately</p> <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. 			

Schedule 6

Minimum requirements for an Environment Management System (EMS)

An EMS may include, as a minimum, the following elements:

1. Management and Reporting Structure

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

2. Environmental Objectives and Targets

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

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

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

3. Environmental Management Programme (EMP)

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

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

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

4. Documentation

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

5. Corrective Action

The Permit Holder shall establish procedures to ensure that corrective action is taken shall the specified requirements of the environmental permit not be fulfilled. The responsibility

and authority for initiating further investigation and corrective action in the event of a nonconformity with the environmental permit shall be defined.

6. Awareness and Training

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

7. Maintenance Programme

The Permit Holder shall establish and maintain a programme for maintenance of all plant and equipment based on the instructions issued by the manufacturer/supplier or installer of the equipment. Appropriate record keeping and diagnostic testing shall support this maintenance programme.

The licensee shall clearly allocate responsibility for the planning, management and execution of all aspects of this programme to appropriate personnel.

END OF PERMIT