

Environmental Permit

Environment Protection Act (CAP. 549)

Permit number

EP 0042/17

Approved Document:

EP 0042/17/DOC1

EP 0042/17/DOC2

EP 0042/17/DOC3

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. Malcolm Gingell obo EuroCem Limited (hereinafter "the Permit Holder"),
Company registration number: **C74726**

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

**Bitumen House,
Tal-Balal Road,
Tax-Xwieki,
Għargħur**

to operate an cement silo installation as per conditions and limitations stipulated in this permit at:

**Il-Moll tal-Faħam,
Kordin,
Paola**

This permit is valid for 4 years from the 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: <u>06</u> / <u>12</u> / 2019
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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.

1.1. Status Log

Detail	Date
EP Application submitted	4 th August 2017
Permit Determined by ERA Board	1 st November 2019

1.2. Permitted Activities

1.2.1. The Permit Holder is authorised to carry out the activities and the associated activities specified in Table 1.2.1.

Activity	Description of specified activity	Limits of specified activity
Unloading, handling, storage (3000 Tonnes in Silo A) and distribution of cement	Warehousing and storage	From receipt and unloading of cement from closed hatch cement carrier ship to storage in silos, to loading of cement road tankers.
Associated activity of storage and handling of fuels	Handling, storage and material usage for one backup diesel generator to produce electricity.	From receipt, storage and handling of fuel to delivery of energy.
Associated activity of storage, treatment and disposal/recycling of waste materials	Handling, storage and treatment of wastes from installation prior to disposal.	From generation of waste to removal from site.

1.3. Site

1.3.1. The activities authorised under Condition 1.2.1 shall not extend beyond the Site, as shown on the Site Plan in Schedule 4 to this Permit.

1.4. General Conditions

1.4.1. 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 and the Regulator for Energy and Water Services (REWS).

1.4.2. This permit is granted saving third party rights. The Permit Holder is not excused from obtaining any other permission required by law.

- 1.4.3. A copy of this permit shall be available at all times on site at the permitted facility, including any Variation Notices or amendments to it.
- 1.4.4. All persons have a duty of care to protect the environment. The Permit Holder shall become familiar with his legal obligations and good environmental practice.
- 1.4.5. The site shall be maintained in a tidy condition, free from litter and waste (whether arising from own activities or external sources).
- 1.4.6. The site must be well secured at all times.
- 1.4.7. During non-operating hours, the site shall be firmly closed and totally inaccessible to third parties, both by vehicle and on foot.
- 1.4.8. The Permit Holder shall maintain a register of third party complaints. The register shall record the details of complainant(s) if available, the date, source and nature of the complaint and the corrective action undertaken, where such action proves necessary.
- 1.4.9. 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. The permit holder shall keep maintenance records as per Section 2.5.
- 1.4.10. 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.
- 1.4.11. The Authority may request additional monitoring and/or review of operational practices and/or 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.
- 1.4.12. Without prejudice to Condition 1.4.11, the Authority may take any action deemed necessary including but not limited to the suspension of any activity/operation until investigations are concluded.
- 1.4.13. The permit is valid for a period of 4 years from the date of the granting. The Permit Holder is able to renew the permit upon application with the Authority 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.
- 1.4.14. The permit is granted against a Bank Guarantee of €9,100 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.
- 1.4.15. The Bank Guarantee shall remain in place for the duration of the validity of this permit and shall only be released upon confirmation of full compliance with the permit conditions by the Authority.
- 1.4.16. 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.

- 1.4.17. In cases where the bank guarantee does not cover the expenses incurred by the Authority to undertake any remedial action failed to be undertaken by the Permit Holder, the Permit Holder is to financially reimburse the Authority of all the expenses incurred.
- 1.4.18. 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 is without prejudice to any prevailing circumstances that would preclude the Authority from following such a procedure.
- 1.4.19. The Authority may carry out compliance checks that vary in frequency according to the site's compliance with the permit conditions. Any such checks carried out by the Authority may be made at the Permit Holder's financial expense.
- 1.4.20. 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.
- 1.4.21. The Authority may suspend or revoke this environmental permit in line with the provisions of CAP 549.
- 1.4.22. 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 Permit Holders from his environmental obligations and liabilities
- 1.4.23. Any incident including accidental release of liquid, solid or gaseous materials from the installation shall be reported not later than within 24 hours to ERA, without prejudice to the emergency plan of the installation and Health and Safety.

1.5. **Operational Changes**

- 1.5.1. 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 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.
- 1.5.2. Any such change shall only be implemented following the granting of a variation of the permit by the Authority:
- 1.5.3. The Permit Holder shall give written notification as soon as practicable and prior to any of the following:
 - a. Cessation of operation of part or all of the Permitted Installation for a period likely to exceed 1 year; and
 - b. Resumption of the operation of part or all of the Permitted Installation after a cessation notified under Condition 1.5.3.a.

1.5.4. The 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; and
- b. Any change to particulars of the Permit Holder's corporate identity.

1.6. Improvement Programme

1.6.1. The Permit Holder 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 on ced.coast@era.org.mt within 10 working days (of the completion of such requirement).

Table 1.6.1: Improvement programme		
Reference	Requirement	Deadline
1	(a) Installation of probes within all stacks emitting from the cement silo (b) In relation to monitoring from the cement silo stacks: (i) Submission of a plan for continuous monitoring for total particulate matter as per Condition 2.1.11; and (ii) Commencement of monitoring in line with the plan as approved by ERA.	(a) Within six months of the date of granting of the permit (b) (i) Within three months of the date of granting of the permit (b) (ii) Within six months of the date of granting of the permit
2	Submission of Standard Operating Procedures for emergency situations including spillages	Within six months of the date of granting of the permit
3	Submission of a Decommissioning Report (including all receipts and consignment notes) for the fuel tank being removed from site	Within six months of the date of granting of the permit

1.7. Off-site Conditions

1.7.1. The permit holder shall ensure that no materials, fuels or waste escape to the environment especially when transporting such materials offsite or onsite.

2. Operating Conditions

2.1. Emissions to Air

2.1.1. 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 minimize impact on human health and the environment or as otherwise agreed upon the competent Authority.

- 2.1.2. The exhaust from general building ventilation (e.g. extractors or fans in walls or roofs) shall be vented in such a way as to avoid adverse environmental effects and in accordance with applicable legislation in this regard.
- 2.1.3. For those activities, where it can be shown to the satisfaction of ERA that the above venting requirements are not practical, sensible or necessary the Permit Holder shall propose alternative options for the Authority's approval.
- 2.1.4. Emissions to air shall only arise from the emission points specified in Table 2.1.1, as described in approved document EP 0042/17/DOC1.

Table 2.1.1 : Emission points to air	
Emission point references	Source
PS1	Silo Exhaust Filters
PS2	
PS3	
PS4	
PS5	Backup Generator

- 2.1.5. The limits for emissions to air for the parameters and emission points listed in Table 2.1.2 shall not be exceeded.

Table 2.1.2 : Emission limits to air and monitoring		
Emission point reference	Parameter	Limit
PS1 -4	Total Particulate Matter	5.00 mg/m ³

- 2.1.6. Only gas oil shall be utilised as a source of fuel for the generator. Any change in fuel type shall require the notification and approval of the Authority prior to commencement of its utilisation
- 2.1.7. ERA recommends that diesel (gas oil) used for the generator shall have a Sulphur content not greater than 0.1%
- 2.1.8. Every four years, the Permit Holder shall submit certification for the stand-by generator (PS5) by an independent warranted engineer showing that the combustion plant is in good working condition. The certification shall be submitted for the first time within one year of the granting of this permit. Submission shall be as part of the Annual Environmental Report (AER).
- 2.1.9. The Authority may request certification of the filters installed of permitted point sources.
- 2.1.10. Where requested by the Authority, the Permit Holder shall monitor emissions from generator PS5. Monitoring shall be carried out while equipment is in operation. The results shall be submitted as part of the Annual Environmental Report (AER).
- 2.1.11. Further to Item 1 of the Improvement Programme, the continuous monitoring proposal shall as a minimum include the following information:
- Method to be used for monitoring from the stacks, which shall be in accordance with CEN or ISO standards or equivalent;
 - Technical specifications of the respective equipment;
 - Location of sampling points; and
 - Technical competence of the persons carrying out the monitoring and interpretation.

- 2.1.12. The Permit Holder shall monitor emissions of Total Particulate Matter from PS1, PS2, PS3 and PS4 after the granting of this permit, as per the approved monitoring programme in accordance with Condition 2.1.11. Monitoring shall be carried out while equipment is in operation using Continuous Emissions Monitoring System (CEMS) methods or otherwise similar standard methods as approved in advance by the ERA. The results shall be submitted to ERA after every operation for loading from ship to silo and as part of the Annual Environmental Report (AER).
- 2.1.13. Until such time that Continuous Emissions Monitoring System (CEMS) are installed and continuous monitoring commences, discontinuous monitoring of current emission points shall be maintained in accordance with approved document EP/0042/17/DOC3 so as to ensure compliance with the ELVs set in Table 2.1.2.
- 2.1.14. 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.
- 2.1.15. Cement shall only be loaded into the silo from vessels with a closed hatch system.
- 2.1.16. During loading of cement into road tankers, vehicles shall not be left idling but be switched off.
- 2.1.17. The exhaust from the bellow filter shall always be directed through the silo filtration system.
- 2.1.18. Tankers being utilised to unload and transport cement from the facility shall be of such design as to ensure a proper hermetic seal between the outlet cone of the telescopic dispensing bellow and the tanker hatch.
- 2.1.19. In cases where loading of cement into road tankers with multiple chambers is being carried out, the Permit Holder shall ensure that prior to disengaging of the bellow from the tanker hatch, the outlet cone is free from residual cement. This shall also apply to the final disconnection and for road tankers with one chamber.
- 2.1.20. The seals located between the vessel's unloading pipe and the silo inlets and between the outlet cone of the telescopic dispensing bellow and the tanker hatch are to be inspected for any damage before any unloading of cement takes place. Routine maintenance of seals located between the vessel's unloading pipe and the silo inlets, and between the outlet cone of the telescopic dispensing bellow and the tanker hatch shall be fully serviced and well maintained in accordance with manufacturer specifications.
- 2.1.21. Upon request by the authority the integrity of these seals must be certified by an independent, competent professional, and records of such checks submitted within one month of the request.
- 2.1.22. Upon completion of loading of road tankers, the tanker hatch shall be immediately closed and secured upon disconnection from the outlet cone.
- 2.1.23. All abatement equipment, seals and ducting shall be cleaned and maintained and record of such maintenance is to be kept in accordance with Condition 1.4.9 of this permit (as per manufacturer specifications).
- 2.1.24. The Permit Holder shall prevent or where that is not practicable reduce fugitive emissions of substances to air from the Permitted Installation.

- 2.1.25. In the event of malfunction or breakdown leading to abnormal emissions, the Permit Holder must:
- a. Investigate immediately and undertake corrective action;
 - b. Adjust the process or activity to minimise those emissions;
 - c. Record the events and actions taken; and
 - d. In the event of non-compliance causing immediate danger to the environment, operation of the activity must be suspended and the Authority informed within 24 hours.
- 2.1.26. Further to Condition 2.1.25, the Permit Holder must provide ERA with details of the specific cause of the malfunction and the remedial steps taken or to be taken including but not limited to the:
- a. Relocating / redesigning / extending the stack(s) or vent(s) to a point where the issue minimised.
 - b. Replacement of fuel.
 - c. Preventative measures such as replacement of process materials (e.g. odorous solvents) by more environmentally sensitive compounds.
 - d. Improved storage of materials.
 - e. Use of additional abatement measures.

2.2. **Effluent Discharges**

- 2.2.1. The operations of the installation shall not hinder the achievement of good status for surface and groundwater as required under the Water Policy Framework Regulations, S.L. 549.100.
- 2.2.2. No discharge to sea shall take place from the permitted installation.
- 2.2.3. Rainwater shall be segregated from all process areas that are potentially contaminated with raw materials, intermediates and/or products.

2.3. **Waste**

- 2.3.1. All operations concerning the management of waste are subject to the Waste Management Regulations S.L. 549.63 and the Waste Management (Activity Registration) Regulations S.L. 549.45.
- 2.3.2. All wastes shall be stored within a designated and controlled storage area(s) prior to ultimate disposal. Wastes to be recycled shall be stored in a designated container or area and shall not be mixed with other wastes.
- 2.3.3. Waste produced at the Permitted Installation shall be recycled, reused or recovered unless technically and/or economically impossible.
- 2.3.4. Liquid and hazardous wastes 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 and having different European Waste Catalogue codes as established by Commission Decision 2000/532/EC shall not be mixed in the same container.
- 2.3.5. Packaging material and containers which came into contact with hazardous substances shall be regarded as hazardous waste and shall be disposed of in an appropriate manner.

- 2.3.6. No storage of waste, equipment or materials is permitted on property outside the site premises. However, non-hazardous waste awaiting collection may be placed outside the site premises for a period not exceeding 6 hours prior to collection.
- 2.3.7. No storage of waste destined for disposal is permitted for a period exceeding 12 months and no storage waste destined for recovery is permitted for a period exceeding 3 years.
- 2.3.8. The Permit Holder shall ensure to keep records for every consignment of wastes removed from the Site indicating the EWC Code, description, quantities, date of removal, contractor name (including for transport), consignment note number (where applicable) and manner and place of final disposal/recovery.
- 2.3.9. Off-site disposal or recovery of wastes may only take place at a facility licensed for that purpose.
- 2.3.10. On-site disposal of wastes by any means including burning, disposal to drain or surface water, burying or deposition on land is prohibited. This excludes treated waste water discharged into sewer in line with the Sewer Discharge Permit.
- 2.3.11. Movement of hazardous waste to authorised facilities shall be covered by a valid consignment permit obtainable from the Competent Authority. Each movement shall also be covered by a consignment note obtainable from the Authority
- 2.3.12. In the case of waste that is sent for treatment or recovery to another facility locally or abroad, the audit trail shall cover all waste from the point of generation or collection to the end recovery or disposal facility.
- 2.3.13. Without prejudice to Condition 2.3.3, 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.
- 2.3.14. The Permit Holder shall make use of the services of a registered waste carrier for the transport of waste from the site in accordance Activity 38 of Schedule 1 of S.L. 549.45, the Waste Management (Activity Registration) Regulations. Where the company removes wastes using its own transport the vehicle(s) must also be registered as a waste carrier in accordance with S.L. 549.45 or any statutory provisions or regulations amending or replacing them.
- 2.3.15. 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.
- 2.3.16. For any decommissioned equipment, the Permit Holder shall submit to the Authority a proposal for the assessment of the intended equipment to be discarded which should include the details of any hazardous materials in the equipment, decontamination procedures and the procedure for final disposal.
- 2.3.17. Disposal and/or recovery certificates shall be kept on record and made available for inspection for a period of at least 5 years from date of their issue.

2.4. **Storage of materials**

- 2.4.1. The permit is being granted for Silo A for the storage of 3000 tonnes of Cement.
- 2.4.2. All storage of materials shall take place only in areas with impervious grounds, where thorough clean-up and site reinstatement can be readily undertaken.
- 2.4.3. No storage of cement material other than in the specified silo is permitted;
- 2.4.4. The storage of flammable, toxic and hazardous substances shall be in line with the measures specified in the Material Safety Data Sheets (MSDS) for that substance and the maintenance of safety critical equipment shall correspond to manufacturer specifications.
- 2.4.5. It is prohibited to store mechanical parts or any other related waste on site, unless this is done in a closed (roofed) structure, that has impermeable ground and able to contain any spills within the closed structure;
- 2.4.6. All bulk oil and fuel storage tanks shall be provided with an adequately designed bund system with an impermeable base and walls, as per relevant REWS standards. The capacity of the bund shall be a minimum of 110% of the largest tank within the bund or 25% of the total volume of all the tanks within the bund, whichever is greater. All filling and off-take points shall be located within the bund. The Permit Holder shall also ensure and take all precautions to avoid any leakages or spills from liquid or solid material.
- 2.4.7. Drums and containers of solvents, oils or any other chemicals shall be stored in designated and secure storage areas. Storage areas shall be bunded or otherwise designed so that surface and ground waters cannot be contaminated by spillages.
- 2.4.8. Bulk storage tanks for fuels, chemicals and associated bunding and pipe work shall be visually inspected at least once a month. Such records should be included in the site diary.

2.5. **Maintenance**

- 2.5.1. Upkeep and maintenance to plant, including all filters shall occur as a minimum in accordance with the manufacturer's specifications as per Attachment 6 of the permit application.
- 2.5.2. Any maintenance activities involving grit, sand or glass blasting are strictly prohibited.

2.6. **Accident prevention and control**

- 2.6.1. An Emergency Response Plan shall be followed and 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 MSDS sheets.
- 2.6.2. In the case of an accident (e.g. chemical spills, etc.), the Permit Holder shall follow the Emergency Response Plan referred to in Condition 2.6.1 and shall notify the Authority within 24 hours.
- 2.6.3. 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 spills shall be available on site at strategic locations.

- 2.6.4. Small leaks or spills shall be cleared up immediately by the application of absorbent materials. All sand and other material shall be disposed of using the appropriate waste management procedures at facilities permitted for that type of waste.

3. Closure and Decommissioning

- 3.1. The Permit Holder shall notify the Authority prior to ceasing operations, whereby an application for cessation of operations shall be made to the Authority and shall include a decommissioning plan.
- 3.2. In the event of cessation of operations on the site, the Permit Holder shall remain responsible for all wastes and hazardous materials on site, which shall be removed from the site in accordance to good environmental practice and in such a manner that minimises environmental risks.
- 3.3. The Decommissioning Plan shall be implemented once approved by the Authority and within 12 months of final cessation of operations or as agreed with the Authority in writing.
- 3.4. The obligations arising from this permit shall subsist until the Authority confirms in writing that the decommissioning plan has been implemented to its satisfaction.
- 3.5. 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. Records

- 4.1. The Permit Holder 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 reasonably legible;
 - d. Indicate any amendments which have been made and shall include the original record wherever possible; and
 - e. Be retained at the Permitted Installation or accessed electronically from the Permitted Installation, for a minimum period of 4 years from the date when the records were made, unless otherwise agreed in writing
- 4.2. A daily operations log shall be made in a legible manner and kept on site and made available for inspection by the Authority at any reasonable time. The following information shall be recorded within 24 hours of the relevant event and retained for 5 years:
- a. 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.
 - b. Any maintenance and inspections carried out on machinery and equipment
 - c. Any defects or damage to the Site Security System
 - d. Any other incidents that the permit holder deems important to record
 - e. Total amount of waste in kilos removed from site for disposal or further treatment.

- 4.3. 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 5 of this permit.

5. Reporting

- 5.1. The Permit Holder 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 1 of this Permit and in the format specified therein.
- 5.2. The Permit Holder shall notify the Competent Authority immediately on becoming aware of any factor that has prevented or may prevent compliance with any of the conditions of this permit. Details of the factor and why compliance has been or may be prevented shall be provided.

6. Ozone Depleting Substances and Fluorinated Greenhouse Gases

- 6.1. No new equipment or components (including refrigeration and firefighting equipment or insulation foam) containing substances falling within the scope of EC Regulation No. 1005/2009 on substances that deplete the Ozone Layer & S.L. 549.58, Substances depleting the ozone layer regulations shall be installed within the site.

7. Management and Technically Competent Person

- 7.1. One member of the staff is to 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.
- 7.2. 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.
- 7.3. The TCP is to be present at all times on site and in her/his absence another member of staff is to substitute him/her temporarily. In the event that a TCP terminates her/his employment, another person shall be appointed as a TCP immediately and the Authority shall be notified of this change.
- 7.4. 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;
- 7.5. 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.
- 7.6. All the staff on site should 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.

8. Notifications

- 8.1. The Permit Holder shall immediately notify the Authority upon:
- a. The detection of an emission of any substance which exceeds any limit or criterion in this Permit specified in relation to the substance;
 - b. The detection of any fugitive emission which has caused, is causing or may cause significant pollution;
 - c. The detection of any malfunction, breakdown or failure of plant or techniques which has caused, is causing or has the potential of causing significant pollution; and
 - d. Any accident which has caused, is causing or has the potential of causing significant pollution.
- 8.2. The Permit Holder shall submit written confirmation to the Authority of any notification under Condition 8.1, by sending:
- a. The information listed in Part A of Schedule 3 to this Permit within 24 hours of such notifications; and
 - b. The more detailed information listed in Part B of Schedule 3 as soon as practicable;
- 8.3. The Permit Holder shall also notify the Authority:
- a. To request a variation of the permit, as per Condition 1.5.1.a;
 - b. Prior to cessation of operations, as per Condition 1.5.3.a and Condition 7.5;
 - c. Prior to resumption of operations, as per Condition 1.5.3.b;
 - d. Upon completion of an Improvement Programme item, as per Condition 1.6.1;
 - e. To request a change in generator fuel type, as per Condition 2.1.6;
 - f. Upon change in the TCP, as per Condition 7.3;

Schedule 1
Annual Environmental Report

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

S1.1 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	

S1.2 Fuel Consumption Data

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

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

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

S1.3 Off-site transfers of hazardous waste

Date of transfer	EWC Code ³	Quantity of waste (in kg)	Consignment note number and/or TFS (Transfrontier Shipment of waste) reference number	Ultimate destination

S1.4 Transport of Waste

Name(s) of registered waste carrier used during reporting year	Waste type(s) transported

³ European Waste Catalogue Code (Reference: Commission Decision 2014/955/EU amending Decision 2000/532/EC on the list of waste pursuant to Directive 2008/98/EC of the European Parliament and of the Council)

S1.5 Submission of Maintenance Log

Component	Frequency of Maintenance	Tasks carried out
Maintenance of PS1		
Maintenance of PS2		
Maintenance of PS3		
Maintenance of PS4		
Maintenance of PS5		

Add rows for other components

S1.6 Monitoring Data

Parameter	Emission point reference	Limit Value at 3% O ₂	Standard methodology used	Concentration ⁴	Unit	Total annual number of exceedances ⁵	Total Annual Load	Unit
Total Particulate Matter	PS1	5 mg/m ³			mg/m ³			kg
Total Particulate Matter	PS2	5 mg/m ³			mg/m ³			kg
Total Particulate Matter	PS3	5 mg/m ³			mg/m ³			kg
Total Particulate Matter	PS4	5 mg/m ³			mg/m ³			kg

⁴ Annual average if more than one measurement is taken. Concentration shall be corrected to 3% O₂.

⁵ If the total number of exceedances exceeds 0, the value of each of these exceedances (for the reporting year) must be submitted in a separate report, together with action taken to regularise the situation. Where only one measurement was required to be made during the year, the total annual number of exceedances is taken to be zero if the measurement indicates compliance with the limit value.

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)

Schedule 2**Submission of Certifications and Documentation**

Condition Number	Documentation	Submission Dates
2.1.8	Good working order certification for generator (PS5)	2020
2.1.10	Generator emission monitoring results	As applicable
2.1.12	CEMS monitoring results	Every year

Schedule 3

Notification of Abnormal Emissions

This page outlines the information that the Permit Holder must provide to satisfy Conditions 8.2 of this Permit.

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

If any information is considered commercially confidential, it should be separated from non-confidential information, supplied on a separate sheet and accompanied by a request for commercial confidentiality.

Part A

Permit Number	
Name of Permit Holder	
Location of Installation	
Location of the emission	
Time and date of the emission	

Substance(s) emitted	Media <i>(e.g. air, groundwater)</i>	Best estimate of the quantity or the rate of emission <i>(include units)</i>	Time between which the emission took place

<p>Measures taken, or intended to be taken, to stop the emission</p>	
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Part B

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

Name ⁶	
Designation	
Signature	
Date	

⁶ Authorised to sign on behalf of Permit Holder

Schedule 4

Site Map



Fig. S4.1: Site of permitted installation, showing extent of area authorised for activity (Marked in red) and Silo A (crosshatched in red) for the carrying out of activities specified in Condition 1.2.1. The extent of the site boundary is indicative and shall not be used for interpretation purposes.

Schedule 5

Minimum requirements for an Environment Management System (EMS)

The EMS should include, as a minimum, the following elements:

1. Management and Reporting Structure

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

2. Environmental Objectives and Targets

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

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

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

3. Environmental Management Programme (EMP)

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

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

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

4. Documentation

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

5. Corrective Action

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

6. Awareness and Training

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

7. Maintenance Programme

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

END OF PERMIT