

Environmental Permit

Environment Protection Act (CAP. 549)

Permit number
EP 0002/16/A

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 Josef Cassar (ID: [REDACTED]) (hereinafter "the Operator" or "the Permit Holder"),

In the name of:

JMB Developments Ltd.
Company registration number: **C31248**
(hereinafter "the Operator"),

Of / Whose Registered Office (or principal place of business) is at
JMB Developments Ltd.

Sannat Lane
Marsa

to operate an installation at

Garage Nr 2.
Triq San Bernard
Marsa

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

This permit is valid for **four (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	<u>08/11/2018</u>
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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>Application EP</i>	28 January 2016
<i>Permit determined</i>	12 October 2018
<i>Permit Issued</i>	8 November 2018

1.1 Permitted Activities

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

Activity	Description of specified activity	Limits of specified activity
Unloading, handling, storage and distribution of cement.	NACE 52.10: Storage	From receipt of cement from cement carrier road tankers, to storage in silos, packaging of cement and distribution.
Associated activity of storage, and disposal/recycling of waste materials	Handling, storage, treatment and disposal/recovery of wastes from installation.	From generation of waste to disposal offsite through registered waste carrier.

1.2 Site

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

1.3 General Conditions

1.3.1 The conditions and obligations of this permit are without prejudice to any other regulation, code of practice, conditions or requirements (including remedial action ordered by any Competent Authority) requested by other Authorities or entities, including but not limited to, the Planning Authority, the Environmental Health Directorate, the Occupational Health and Safety Authority, Transport Malta and the Regulator for Energy and Water Services (REWS).

1.3.2 This permit is granted saving third party rights. The Operator is not excused from obtaining any other permission required by law. The obligations and conditions of this permit are without prejudice to any other regulations, codes of practice, conditions and requirements imposed by other Authorities, including the need to obtain any development permit.

- 1.3.3 All plant, equipment and technical means used in operating the Permitted Installation shall be maintained in good operating condition and without causing potentially polluting leaks and spillages. The operator shall keep maintenance records.
- 1.3.4 All businesses have a duty of care to protect the environment. The operator shall become familiar with his legal obligations and good environmental practice;
- 1.3.5 The Site under the operational management of the operator shall be maintained in a tidy condition, free from litter, dust and waste (whether arising from own activities, external sources, or third parties operating on site);
- 1.3.6 The Permitted Installation shall be managed, controlled, supervised and operated by staff who are aware of the importance of environmental protection and suitably trained on the requirements of this Permit, in particular on those permit conditions relevant to their duties. All staff shall be provided with adequate training and written operating instructions to enable them to effectively carry out their duties. Such training shall be recorded.
- 1.3.7 The Site shall be well secured to minimise the opportunity for unauthorised entry. An employee is to be present at all times during the operational hours of the facility; and the premises must be closed and secured when no operations are taking place on site.
- 1.3.8 Any significant incident (including accidental release of liquid, solid or gaseous materials from the site that could reasonably be regarded as causing environmental damage and/or threat to human health, or as posing a threat of environmental damage), shall be reported within 24 hours to ERA, the Environmental Health Directorate and the Civil Protection Department;
- 1.3.9 The company shall maintain a register of third party complaints. The register shall record the name and address of the complainant(s), the date, location, source and nature of the complaint and the corrective action undertaken, where such action proves necessary;
- 1.3.10 A Site Notice shall be erected and displayed in a prominent position such as to be readily visible by the public. The notice shall contain the following information:
1.3.10.1 State that the site operates under an Environmental Permit issued by ERA;
1.3.10.2 Provide the Permit Number and the name of the Operator;
1.3.10.3 Provide a 24-hour emergency contact name and telephone number for the Operator;
- 1.3.11 All installation equipment and technical means used in operating the Permitted Installation shall be maintained in a good operating condition and maintenance records of the above shall be kept by the operator;
- 1.3.12 In the event of cessation of operations on the site, all wastes (including machinery and associated equipment) and hazardous materials (including chemicals) must be removed from the site such that any pollution risk is avoided and the site is returned to a satisfactory state. The Operator shall notify the Authority immediately upon a decision being taken to cease business activity, and shall submit a decommissioning plan to the Authority for approval;
- 1.3.13 The Permitted Installation shall be managed, controlled, supervised and operated by staff who are aware of the importance of environmental protection and suitably trained on the requirements of this Permit, in particular on those permit conditions relevant to their duties. All staff shall be provided with adequate training and written operating instructions to enable them to effectively carry out their duties. Such training shall be recorded.

- 1.3.14 In case of any monitoring requirements specified in this permit, there shall be provided safe means of access to enable sampling/monitoring to be carried out by the Authority, or by a third party if necessary;
- 1.3.15 The Authority may to request additional monitoring and/or review of operational practices, as deemed necessary. Any required monitoring shall be carried out at the expense of the Permit Holder.
- 1.3.16 The Authority may carry out compliance checks and inspections that vary in frequency according to the site's compliance with the permit conditions. Any such checks and inspections carried out by the Authority are to be made at the Operator's financial expense;
- 1.3.17 The Authority's representatives are empowered to inspect every part of the site and ask for any closed or locked areas to be opened. They are also entitled to be given any proof, documentation, plans, receipts or any other records which these Authority representatives may request;
- 1.3.18 The validity of this permit is until 8 November 2022. 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 issued by the Authority.
- 1.3.19 This permit is issued against a Bank Guarantee of €8,600, 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.
- 1.3.20 The Authority may to take part or all of the bank guarantee if the Permit Holder fails to take the necessary action in cases of non-compliance with these permit conditions, the Act or any subsidiary legislation thereof, or in cases where environmental integrity is threatened. This bank guarantee is without prejudice to any environmental liabilities that may ensue through failure to adhere with permit conditions or any other works/ activity carried out on site. Should the Authority forfeit the Bank Guarantee either in part of 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.
- 1.3.21 The operator may apply with the Authority for the release of the Bank Guarantee, which shall be released subject to the full compliance of the permit conditions, as confirmed by the Authority.
- 1.3.22 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
- 1.3.23 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.
- 1.3.24 The Authority may add, amend substitute or revoke any of the conditions of this permit after notifying the Permit Holder of its intention and after describing the changes to the Permit Holder. This, without prejudice to any prevailing circumstances that would preclude the Authority from following such a procedure.
- 1.3.25 The Operator shall be fully liable and responsible for managing the Site in all its various aspects and to supervise the full adherence with all the conditions of this permit;

- 1.3.26 The site operator shall ensure that any other individual operators within the site are permitted under the relevant environmental regulations. It shall be the responsibility of the site manager to inform the Authority that the relevant application is to be submitted together with details of any such operator. This shall be submitted within 6 months before any new operator is to commence activities on site.
- 1.3.27 A copy of this permit should be available at all times at the site office, including any Variation Notices or amendments to it.
- 1.3.28 The Authority may suspend or revoke this environmental permit or part of this environmental permit where significant mismanagement of the site is observed or any of the permit conditions are not respected after a written warning is given by the Authority or in any eventuality that gives the Authority enough reason to suspend or revoke this permit.
- 1.3.29 The Authority may request additional monitoring and/or review of the operational practices and commission audits on the installation as deemed necessary to address any circumstances that may affect the quality of the surrounding environment. Any required monitoring and/or audits shall be carried out at the expense of the Permit Holder.
- 1.3.30 Without prejudice to condition 1.3.21, the Authority may take any action deemed necessary including but not limited to the suspension of any activity/operation until investigations are concluded.

1.4 Operational Changes

- 1.4.1 The Operator may apply for a variation in permit and shall seek the Authority's written agreement prior to any operational changes which could cause substantial impact on the environment, by sending to the Authority: written notice of the details of the proposed change, including an assessment of its possible effects (including changes in emissions and waste production) on the environment from the Permitted Installation; any relevant supporting assessments and drawings; and the proposed implementation date;
- 1.4.2 Any such change shall not be implemented until agreed to in writing by the Authority. As from the agreed implementation date, the Operator shall operate the Permitted Installation in accordance with that change, and relevant provisions in the Application shall be deemed to be amended;
- 1.4.3 This Permit is not transferable unless by request submitted to the Authority. The permit will be transferable only after an official letter from the Authority is issued endorsing the permit transfer, within four weeks of receipt. Transfer of ownership and the transfer of the permit will also necessitate the transfer of environmental obligations and liabilities.
- 1.4.4 Upon the joint application of an operator and a proposed transferee, the Authority may transfer the environmental permit to the proposed transferee. The transfer of the permit will not relieve any of the operators from his environmental obligations and liabilities.
- 1.4.5 The Authority shall carry out regular compliance checks that vary in frequency according to the site's compliance with the permit conditions. Any such checks carried out by the Authority are to be made at the Permit Holder's financial expense.

1.5 Improvement Programme

- 1.5.1 The Operator 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 within 10 working days of the completion of such requirement:

Table 1.5.1: Improvement programme		
Reference	Requirement	Deadline
1	Installation of a site notice as per condition 1.3.11	Within 1 month of issue of the permit
2	Submission of: (1) a plan for continuous monitoring for total particulate matter as per condition 2.1.1.8; and (2) commencement of monitoring.	(1) Within 1 month of the date of issue of the permit and (2) Within 2 months after the approval of the monitoring plan. This requirement shall be reviewed should any accidental release of materials from the site occur before these deadlines.
3	Development of Standard Operating Procedures for: <ul style="list-style-type: none"> i. Actions to be taken in case of spillages (of both liquids and solids, e.g. dust from raw materials). ii. Actions to be taken in case of failure of abatement equipment (e.g. filters). 	Within 3 months of the date of issue of the permit.
4	Submission of an Environment Management System (EMS). Refer to Schedule 4 for requirements.	Within 6 months of the date of issue of the permit.

1.6 Off-site Conditions

- 1.6.1 The Operator shall ensure that no chemicals or waste escapes to the environment especially when unloading (receipt of cement from cement carrier road tankers), storing, packaging, loading of distribution road carriers and transporting such materials offsite or onsite;

2 Operating Conditions

2.1 Emissions

2.1.1 Emissions to Air

- 2.1.1.1 All emissions through approved emission points as per condition 2.1.1.4 shall have effective local collection and shall discharge (after treatment where necessary) through a stack or vent located and/or designed in such a way as to avoid impact on human health and the environment;

2.1.1.2 No operation shall occur unless all filters are fully operational and well maintained;

2.1.1.3 Emissions to air shall only arise from the emission points specified in Table 2.1.1, as per description in the submitted EP Application;

Table 2.1.1 : Emission points to air	
Emission point references ¹	Source
PS1	Dedusting filter
PS2	Hoppertop filter

2.1.1.4 No boilers and/or generators shall be installed and operated within the installation.

2.1.1.5 In the event that the operator intends to install boilers and/or generators which could contribute to the existing emissions to air from the installation, the Authority's authorization shall be sought prior to the installation and operation of this equipment.

Table 2.1.2 : Emission limits to air and monitoring		
Emission point reference	Parameter	Limit
PS1	Total Particulate Matter	5.00 mg/m ³
PS2	Total Particulate Matter	5.00 mg/m ³

2.1.1.6 Monitoring shall be carried out while equipment is in operation. The results shall be submitted as part of the Annual Environmental Report (AER);

2.1.1.7 The monitoring proposal referred to in Ref 2 of Table 1.5.1 (Improvement programme) shall as a minimum include the following information:

2.1.1.7.1 Method to be used for monitoring from the stacks, which shall be in accordance with CEN or ISO standards or equivalent;

2.1.1.7.2 Technical specifications of the respective equipment;

2.1.1.7.3 Location of sampling points; and

2.1.1.7.4 Technical competence of the persons carrying out the monitoring and interpretation;

2.1.1.8 The Operator shall monitor emissions of Total Particulate Matter from PS1 and PS2 after the granting of this permit, as per the approved monitoring programme in accordance with condition 2.1.1.7. 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 road tanker to silo or once every month, whichever is later and as part of the Annual Environmental Report (AER);

2.1.1.9 All other emission points shall be equipped with vents or stacks that are to be directed upwards and shall be located and designed in such a way that optimises dispersion (of the emission);

2.1.1.10 The exhaust from general building ventilation (e.g. extractors or fans in walls or roofs) shall be vented in such a way as minimise impact on human health and the environment;

¹ According to Section 7 of the application.

- 2.1.1.11 Tankers being utilised to unload cement into the facility shall be of such design as to ensure a proper hermetic seal between the tanker and the nozzle unloading the cement into the hopper thus ensuring no fugitive emissions.
- 2.1.1.12 The loading of road tankers with cement within the installation is strictly prohibited.
- 2.1.1.13 The seals located between the tanker's unloading pipe and the silo inlet are to be inspected for any damage before any unloading of cement takes place. Seals located between the unloading pipe and the silo inlet shall be fully serviced and well maintained in accordance with manufacturer specifications.
- 2.1.1.14 The bag filling machine filtration pipe and the bag cleaning system shall be regularly maintained so as to ensure that no spillages of cement occur during the filling operations and that there are no fugitive emissions of cement dust during bag filling operations.
- 2.1.1.15 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.
- 2.1.1.16 In the case of breakdown or equipment malfunction, the Operator shall reduce or close operations as soon as practical until normal operation can be restored;
- 2.1.1.17 All the documentation necessary to verify the compliance with these permit conditions, such as invoices, etc. shall be retained for a period of four years for inspection by the Competent Authority;
- 2.1.1.18 In the event of abnormal emissions, malfunction or breakdown leading to abnormal emissions, the Operator must:
- 2.1.1.20.1 Investigate immediately and undertake immediate corrective action, and
 - 2.1.1.20.2 Adjust the process or activity to minimise those emissions, and
 - 2.1.1.20.3 Record the events and actions taken.
 - 2.1.1.20.4 In the event of non-compliance causing immediate danger to human health, operation of the activity must be suspended and the Competent Authority informed within 24 hours.
- 2.1.1.19 Further to condition 2.1.1.20, the operator shall, at the written request of ERA and within 10 working days, identify the specific cause of the of the abnormal emission and examine means for its elimination or minimisation including:
- 2.1.1.19.1 Relocating / redesigning the stack(s) or vent(s) to a point where the issue is minimised.
 - 2.1.1.19.2 Improved storage, handling and transportation of materials.
 - 2.1.1.19.3 Use of additional abatement measures.
- 2.1.1.20 All abatement equipment and ducting shall be inspected, cleaned and maintained on a regular basis (as per manufacturer specifications). Records of this maintenance shall be maintained.
- 2.1.1.21 The operational effectiveness of filters for the control of particulate emissions of cement shall be maintained by means of a pressure sensors or equally effective means. Such pressure sensors shall be well maintained and maintenance records/ pressure checks conducted by the operator shall be submitted annually to the Authority in the AER.

2.1.2 Effluent discharges

- 2.1.2.1 No discharges to surface waters, sea water and/or groundwater shall take place at the installation. Contaminated discharges to the land and foul sewer (including wash water from the facility, parking and hard standing area, maintenance workshops and the area of storage for spare parts, fuels etc.) shall be prohibited unless otherwise permitted by the Water Services Corporation and/or ERA;
- 2.1.2.2 Rainwater shall not be discharged into the sewer. Foul sewer drains must be strictly segregated from stormwater drains;
- 2.1.2.3 The Operator shall undertake all necessary measures and precautions to prevent spillage of potentially contaminating products, waste/s and any other materials whether a land or at sea;

2.1.3 Emissions to Land

- 2.1.3.1 No emissions from the Permitted Installation shall be made directly to land and no storage of cement material other than in the silo and in bags is permitted;

2.2 Waste

2.2.1 Waste storage and handling

- 2.2.1.1 The Operator shall use BAT in the design, maintenance and operation of all facilities for the storage and handling of waste on site such that there are no releases to water or land during normal operation and that emissions to air and risk of accidental release to water or land are minimised;
- 2.2.1.2 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;
- 2.2.1.3 Liquid and hazardous wastes shall be stored in a labelled, closed container(s) within a designated 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;
- 2.2.1.4 Packaging and containers containing significant residual quantities of hazardous materials (eg. fuels, oils) shall be regarded as hazardous waste and shall be disposed of in an appropriate manner;
- 2.2.1.5 Only registered waste carriers as per activity 38 of schedule 1 in the Waste Management (Activity Registration) Regulations, 2007 as published by Legal Notice 106 of 2007 are allowed to transport waste to and from this site;
- 2.2.1.6 The Operator shall ensure that no chemicals or waste escape to the environment especially when transporting such materials offsite or onsite;
- 2.2.1.7 The operator is to prevent litter, dust or other wastes originating from the operations of the installation and third parties from escaping from the site boundaries, particularly during loading/unloading. Any such escape of waste shall be collected immediately upon detection;
- 2.2.1.8 On-site disposal of wastes (including tyres, car parts, hydraulic fluids) by any means including burning, burying or deposition on land is strictly prohibited;

2.2.2 Waste recovery or disposal

- 2.2.2.1 The Operator shall be committed to reduce waste generation where possible;
- 2.2.2.2 Waste produced at the Permitted Installation shall be recycled, reused or recovered unless technically and/or economically unfeasible. When practical, recyclable wastes shall be segregated to facilitate recycling;
- 2.2.2.3 Records shall be maintained for the disposal/recovery of all hazardous waste, including EWC Code, description, quantities, date of removal, contractor name (including for transport), consignment note number and manner and place of disposal/recovery, including any pre-treatment. The records shall be maintained for a period of 3 years and be made available, upon request, to the authority;
- 2.2.2.4 Disposal of wastes (including rejects, expired products and other wastes) shall be managed in accordance with the legal obligations of the Waste Regulations S.L. 549.63 for appropriate management;
- 2.2.2.5 Off-site disposal or recovery of wastes may only take place at a facility licensed for that purpose;
- 2.2.2.6 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;
- 2.2.2.7 Disposal certificates shall be kept on record and made available for inspection for a period of at least 3 years from date of their issue;
- 2.2.2.8 Shipment of hazardous waste abroad is to follow the obligations listed in Council Regulation (EC) 1013/2006 of the European Parliament and of The Council of 14 June 2006 on shipments of waste;
- 2.2.2.9 The Operator shall make use of the services of a registered waste carrier for the transport of waste from the site in accordance with the Waste Management (Activity Registration) Regulations S.L. 549.45. 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;
- 2.2.2.10 In the event of cessation of business activity on the site, all wastes (including machinery, tanks, equipment) and hazardous materials (including chemicals) must be removed from the site such that any pollution risk is avoided and the site is returned to a satisfactory state. The Operator shall notify the Authority immediately upon a decision being taken to cease business activity, and an inspection will be carried out to verify the above. Surrender of the permit will be accepted following this verification and following confirmation that all records required by the Authority have been submitted;

2.3 Storage of materials

- 2.3.1 All storage of materials shall take place only in areas with impervious grounds, where thorough clean-up and site reinstatement can be readily undertaken;
- 2.3.2 No storage of waste, equipment or materials is permitted on property outside the site premises.
- 2.3.3 All bulk oil storage tanks, including any fuels and lubricating oils, shall be provided with an adequately designed bund system with an impermeable base and walls. The capacity of the bund shall be a minimum of 110% of the largest tank within the bund or 25% of the total capacity of all the tanks within the bund. Filling and off-take points shall be located within the bund, which shall not have any drainage connections for rain water. The Operator shall also ensure and take all precautions in his competence

to avoid any leakages or spills from liquid or solid material that can cause environmental harm;

- 2.3.4 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;
- 2.3.5 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 records;
- 2.3.6 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;
- 2.3.7 Batteries must be stored in an upright position in a dry, secure area. Batteries can only be disposed of through an authorized waste management company or at an authorized site;
- 2.3.8 The storage of flammable, toxic and hazardous substances and the maintenance of safety critical equipment should correspond to good international practice;
- 2.3.9 It is prohibited to store mechanical parts or any other related waste on site.,

2.4 Maintenance

- 2.4.1 Upkeep and maintenance to plant, including all filters shall occur as a minimum in accordance with the manufacturer's specifications.

2.5 Ozone Depleting Substances and Fluorinated Greenhouse Gases

- 2.5.1 No new equipment or components containing substances falling within the scope of EC Regulation No. 1005/2009 on substances that deplete the Ozone Layer & Subsidiary Legislation 549.58 Substances that deplete the Ozone Layer, regulations, shall be installed within the site.

2.6 Accident prevention and control

- 2.6.1 An Emergency Response Plan, approved by the Civil Protection Department, shall be maintained containing details of the location, nature and quantity of chemicals, oils and fuels stored (if applicable), any special hazards, a drawing showing location of drains and the emergency phone numbers of the operator and relevant authorities. It shall also include actions to be taken in the case of incidents which could affect the environment, such as fires and chemical/fuel spills. The emergency plan shall indicate that accidental releases of chemicals and fires caused by chemicals are to be managed as specified in the respective MSDSs;
- 2.6.2 The emergency procedure shall be updated whenever necessary and the updated version sent to ERA for onward forwarding to the CPD.
- 2.6.3 Any incident, including accidental release of liquid, solid or gaseous materials from the site that could reasonably be regarded as causing environmental damage, or as posing a threat of environmental damage, shall be reported immediately to the Civil Protection Department, to ERA and the Environmental Health Directorate;

3 Records

- 3.1 The Operator shall ensure that all records required to be made by this Permit and any other records made by it in relation to the operation of the Permitted Installation shall:
- 3.1.1 be made available for inspection by the Authority upon request;
 - 3.1.2 be supplied to the Authority on demand and without charge and in the format requested;
 - 3.1.3 be legible;
 - 3.1.5 indicate any amendments which have been made and shall include the original record wherever possible; and
 - 3.1.6 be retained at the Permitted Installation, or other location agreed by the Authority in writing, for a minimum period of 3 years from the date when the records were made, unless otherwise agreed in writing;
- 3.2. A daily operations log should be kept on site in which the following information shall be recorded on a daily basis:
- 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.
 - b. Any maintenance and inspections carried out on machinery and equipment.
 - c. Complaints on the permitted facility originating from third parties or regulatory bodies including details about the location of origin.
 - d. Total amount of waste in kilos removed from site for disposal or further treatment
- Each record shall be compiled within 24 hours of the relevant event.
- 3.3 Following completion and approval of the Environment Management System (EMS), the operator shall endeavour to implement and maintain the EMS and allocate resources that are sufficient to achieve compliance with the limits and conditions of this Permit.

4 Reporting

- 4.1 All reports and written and/or oral notifications required by this Permit shall be made and sent to the Authority using the contact details notified in writing to the Operator by the Authority;
- 4.2 The Operator shall submit to the Authority an Annual Environmental Report (AER) of the previous year by not later than end of March of each year, providing the information listed in Schedule 1 of this Permit and in the format specified therein. Any certifications must be carried out by an independent expert or an independent company that are not stakeholders in this industry. The independent expert or company are to be engaged at the Operator's expense. The Authority may to request proof of the expertise of the engaged expert/company;

5 Management and Technically Competent Person

- 5.1 A copy of this Permit shall be available at the place of work, at all times, for reference by all staff carrying out work within the site subject to the requirements of the Permit;

- 5.2 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 Operator is obliged to find a replacement for that member of staff without delay.
- 5.3 The Operator and the TCP are responsible for the implementation of all the obligations stipulated in this permit, must supervise the rest of the staff on site and are completely responsible to ascertain that all permit conditions are being adhered to and that unauthorised waste does not enter the site;
- 5.4 The Permitted Installation shall be supervised by staff suitably trained and fully conversant with the requirements of this Permit;
- 5.5 All staff shall be fully conversant with those aspects of the Permit conditions which are relevant to their duties and shall be provided with adequate professional technical development and training and written operating instructions to enable them to effectively carry out their duties;
- 5.6 The Operator shall maintain a record of the skills and training requirements for all staff whose tasks in relation to the Permitted Installation may have an impact on the environment and shall keep records of all relevant training;
- 5.7 All the staff on site, including those operating third party installations within the site boundary should be fully aware of the procedures to be taken in the event of an accidental spill of any liquid other than water and how to contain the environmental hazard.

6 Closure and decommissioning

- 6.1 In the event of cessation of operations on the site, all wastes, equipment and hazardous materials (including fuels and chemicals) must be removed from the site such that any pollution risk is avoided and the site is returned to a satisfactory state. The Operator shall notify the Authority immediately upon a decision being taken to cease business activity. In the case of full decommissioning, applicant shall submit a decommissioning plan in accordance with the terms of reference provided by the Authority for approval by the relevant Authorities. The obligations arising from the permit shall subsist until the Authority confirms in writing that the decommissioning plan has been implemented to its satisfaction.
- 6.2 A finalised version of the Decommissioning Plan shall be submitted to the Authority for approval not later than 10 days after the Authority is notified of the intention to decommission the site.
- 6.3 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.

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 Off-site transfers of hazardous and non-hazardous waste

Date of transfer	EWC Code ¹	Quantity of waste (in kg)	Consignment note number	Ultimate destination

¹ European Waste Catalogue Code (Reference: Schedule 1 of LN 184 of 2011337 of 2001)

S1.3 Transport of Waste

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

S1.4 Submission of Maintenance Log

Component	Maintenance			Tasks carried out
	Weekly	Monthly	Yearly	
Maintenance PS1				
Maintenance of PS2				
Add rows for other components				

S1.5 Monitoring Data

S1.5.1 Emissions to air

Parameter	Emission point reference	Limit Value at 3% O ₂	Standard methodology used	Concentration ¹	Unit	Total annual number of exceedances ²	Total Annual Load	Unit
Total Particulate Matter	PS1	5.00 mg/m ³			mg/m ³			kg
Total Particulate Matter	PS2	5.00 mg/m ³			mg/m ³			kg

² 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.

S1.6 Submission of certifications and documentation.

Condition Number	Documentation
1.3.11	Installation of a site notice as per condition 1.3.8
2.1.1.3	Certification of filters (PS1, PS2)
2.1.1.8	Submission of: (1) a plan for continuous monitoring for total particulate matter as per condition 2.1.1.8; and (2) commencement of monitoring.
3.3	Development of Standard Operating Procedures for: <ul style="list-style-type: none"> i. Actions to be taken in case of spillages (of both liquids and solids, e.g. dust from raw materials). ii. Actions to be taken in case of failure of abatement equipment (e.g. filters).
3.3	Submission of an Environment Management System (EMS). Refer to Schedule 4 for requirements.

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 3

Minimum requirements for an Environment Management System (EMS)

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

1. **Management and Reporting Structure**

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

2. **Environmental Objectives and Targets**

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

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