Environmental Permit

Environment and Development Planning Act (CAP. 504, Act X of 2010)

Permit number
EP 0025/13/A

The Malta Environment and Planning Authority (hereinafter the Authority; the Competent Authority or MEPA) in exercise of its powers under the Environment and Development Planning Act (CAP. 504, Act X of 2010),), hereby authorises:

UC Limited
Company registration number: **C56025**
(hereinafter "the Operator" or "the Permit Holder"),

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

UC Limited,
Sannat Lane,
Marsa. MRS 1330.

to operate an installation at
UC Ltd Cement Silo,
Laboratory Wharf,
Kordin. Paola.

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

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

Malta Environment & Planning Authority **APPROVAL** Board No. PA 047-13/14 Held on 6/5/14 Chairman Secretary	

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

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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
Application EP	15 October 2013
Permit Issued	06 March 2014

1.1 Permitted Activities

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

Table 1.1.1

Activity	Description of specified activity	Limits of specified activity
Handling, storage and distribution of cement	NACE 52.10: Storage	From receipt of cement from self unloading cement carrier ships, to storage, to loading of own cement road tankers.
Associated activity of storage and handling of fuels	Handling, storage and material usage for one diesel generator to produce electricity.	From receipt, storage and handling of fuel to delivery of energy.
Associated activity of storage, and disposal/recycling of waste materials	Handling, storage, treatment and disposal/recovery of wastes from installation. One cesspit	From generation of waste to disposal offsite through registered waste carrier. From receipt of effluent from ablution facility to disposal 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 Environmental Health Directorate, the Occupational Health and Safety Authority, Transport Malta and the Malta Resources Authority;

1.3.2 The conditions and obligations of this permit are without prejudice to any valid and approved, pending or any other development permits that are going to be submitted

or issued on this site, any planning regulations, planning limitations or any provisions listed in the Environment and Development Planning Act (CAP. 504; Act X of 2010);

1.3.3 All businesses have a duty of care to protect the environment. The operator shall become familiar with his legal obligations and good environmental practice;

1.3.4 The Site shall be maintained in a tidy condition, free from litter, dust and waste (whether arising from own activities or external sources);

1.3.5 The Site shall be well secured to minimise the opportunity for unauthorised entry;

1.3.6 Any significant 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 within 24 hours to MEPA, the Environmental Health Directorate and the Civil Protection Department;

1.3.7 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;

1.3.8 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:

1.3.8.1 State that the site operates under an Environmental Permit issued by MEPA;

1.3.8.2 Provide the Permit Number and the name of the Permit Holder;

1.3.8.3 Provide a 24-hour emergency contact name and telephone number for the Permit holder;

1.3.9 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;

1.3.10 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 Permit Holder 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;

1.3.11 The Permitted Installation shall be managed, controlled, supervised and operated by staff who are aware of the importance of environmental protection and health protection to the satisfaction of the Environmental Health Directorate 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. Training records shall be maintained;

1.3.12 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;

1.3.13 The Authority reserves the right to request additional monitoring, as deemed necessary. Such monitoring shall be carried out at the expense of the Permit Holder;

1.3.14 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 Permit Holder's financial expense;

1.3.15 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;

1.3.16 The Permit Holder 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;

1.3.17 The Authority reserves the right to alter, amend or remove any of the conditions of this permit after notifying the Permit Holder of its intention and after describing the changes to the Permit Holder;

1.3.18 The Authority may 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 revoke this permit;

1.3.19 The Permit Holder is able to surrender this environmental permit only after applying with the Authority. The Permit Holder shall retain all responsibility for management and activities within the site until the Authority officially approves the permit surrender in writing;

1.4 Operational Changes

1.4.1 The Operator shall 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 a request is submitted to the Authority, without prejudice to any legitimate transfer of land ownership. The permit will be transferable only after an official letter from the Authority endorses 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;

1.5 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 1.3.8	Within 1 month of issue of the permit

2	Submission of: (1) a plan for continuous monitoring for total particulate matter as per condition 2.1.1.9 and monitoring of PM10 and PM2.5 as per condition 2.1.1.10, to EPD satisfaction, and (2) upon approval of the plan, commencement of monitoring.	Within (1) 1 month of the date of issue of the permit and (2) 2 month after the approval of the monitoring plan.
3	An engineer's certificate showing how the: ▪ cesspit is constructed in such a manner so as not to allow any leakages or spillages to the surrounding environment; ▪ the cesspit is appropriately ventilated so as to avoid the accumulation of explosive, toxic or corrosive gasses; ▪ area surrounding the cesspit is rendered impermeable and the ground laid to fall towards the cesspit; The same certificate shall be provided to the Superintendence of Public Health in order to register the cesspit.	Within 3 months of issue of the permit.
4	Development of Standard Operating Procedures for: i. Actions to be taken in case of spillages (of both liquids and solids, e.g. dust from raw materials, waste). ii. Actions to be taken in case of failure of abatement equipment (e.g. filters). iii. Actions taken in case of other environmentally relevant incidents (e.g. cesspit leakage).	Within 6 months of the date of issue of the permit.
5	Submission of an Environment Management System (EMS). Refer to Schedule 4 for requirements.	Within 12 months of the date of issue of the permit.

1.6 Off-site Conditions

1.6.1 The Permit holder shall ensure that no chemicals or waste escapes to the environment especially when 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 local nuisance;

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, PS2	Eurodry Filters
PS3	Generator flue
PS4, PS5	Loading bellow filters

2.1.1.4 Any diesel (gas oil) used for the generator shall have a Sulphur content not greater than 0.1%;

2.1.1.5 The limits for emissions to air for the parameters and emission points listed in Table 2.1.2 shall not be exceeded. These limits refer to dry gas at 3% O_2 content;

Table 2.1.2 : Emission limits to air and monitoring		
Emission point reference	**Parameter**	**Limit**
PS1, PS2	Total Particulate Matter	5.00 mg/m^3
PS4, PS5	Total Particulate Matter	5.00 mg/m^3

2.1.1.6 Where requested by the Authority, the Operator shall monitor emissions from generator PS3. Monitoring parameters and emission limit values are listed in Table S1.6.1 in schedule 1 of the permit. 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, PS2 after the granting of this permit, as per the approved monitoring programme in accordance with condition 2.1.1.8. 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 EPD. The results shall be submitted to EPD after every operation for loading from ship to silo and as part of the Annual Environmental Report (AER);

2.1.1.9 The Operator shall monitor emissions of PM10 and PM2.5 quarterly after the granting of this permit, as per the approved monitoring programme in accordance with condition 2.1.1.8. Monitoring shall be carried out while equipment is in operation using Low Volume Sampler Method (LVS) methods or otherwise similar standard methods as approved in advance by the EPD. The results shall be submitted to EPD every six months and as part of the Annual Environmental Report (AER);

2.1.1.10 Industrial combustion plants (e.g. generators, etc.) shall vent through stacks extending at least 3 metres above roof level and 3 metres above any habitable floor

[1] According to Section 7 of the application.

within a 25 metre radius as per provisions of LN 478 of 2010, Ambient Air Quality Regulations, 2010, or as quoted in subsequent amendment;

2.1.1.11 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) and that minimises local nuisance;

2.1.1.12 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 local nuisance;

2.1.1.13 During loading of cement into road tankers, vehicles shall not be left idling but be switched off.

2.1.1.14 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;

2.1.1.15 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.

2.1.1.16 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.

2.1.1.17 Upon completion of loading of road tankers, the tanker hatch shall be immediately closed and secured upon disconnection from the outlet cone;

2.1.1.18 For those activities, where it can be shown to the satisfaction of MEPA that the above venting requirements are not practical, sensible or necessary, stacks and vents shall be located and designed so as to minimise local nuisance;

2.1.1.19 Under abnormal operating conditions such as 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;

2.1.1.20 All the documentation necessary to verify the compliance with these permit conditions, such as invoices, solvent usage logs, etc. shall be retained for a period of four years for inspection by the Competent Authority;

2.1.1.21 Fuel loading and unloading operations shall be carried out in compliance with the scheme regulated by the MRA;

2.1.1.22 In the event of a local nuisance from emissions to air, the operator must, at the written request of MEPA and within 10 working days, identify the specific cause of the nuisance and examine means for its elimination or minimisation including:

- Relocating / redesigning the stack(s) or vent(s) to a point where nuisance is minimised;
- Preventative measures such as replacement of process materials by more environmentally sensitive compounds;
- Improved storage of materials; and
- Use of additional abatement measures.

2.1.1.23 All abatement equipment and ducting shall be inspected, cleaned and maintained on a regular basis (as per manufacturer specifications);

2.1.1.24 In the event of abnormal emissions, malfunction or breakdown leading to abnormal emissions, the Operator must:

a) Shut down the operations immediately;
b) 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;
d) In the event of non-compliance causing potential and immediate danger to human health, operation of the activity must be suspended and the Competent Authority and Environmental Health Directorate be informed within 24 hours.

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 MEPA;

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;

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 is permitted;

2.1.4 Odour

2.1.4.1 Emissions from the activities shall be free from odour at levels likely to cause pollution and/or nuisance outside the site and at sensitive receptors, as perceived by the Authority;

2.1.4.2 The Operator shall prevent or where that is not practicable, reduce odorous emissions from the Permitted Installation, in particular by:

- limiting the use of odorous materials;
- restricting odorous activities;
- controlling the storage conditions of odorous materials;
- controlling processing parameters to minimise the generation of odour;
- optimising the performance of abatement systems;
- timely monitoring, inspection and maintenance;
- employing, if required by the Authority, an approved odour management plan.

2.1.4.3 There shall be no offensive odours, as perceived by an Authorised Officer of the Competent Authority, at sensitive locations such as residences;

2.1.4.4 In case of complaints from sensitive receptors regarding odours, the Authority may require the Operator to submit an odour management plan, which would include recommendations for abatement of the odour and timeframes for implementation;

2.1.5 Noise

2.1.5.1 The Operator shall prevent or where that is not practicable reduce emissions of noise from the Permitted Installation;

2.1.5.2 Emergency generators/alarms/sirens/release valves shall only be tested between the hours of 10.00 and 17.00 Monday to Friday and not on any Public Holiday;

2.1.5.3 The Authority shall reserve the right to request a noise monitoring analysis, at the expense of the Permit Holder. In this regard, the locations, measurements and assessment must be made according to BS 4142:1997, all the series of ISO 1996 and any other standard methodology stipulated by the Authority. This shall be subject to the submission of a method statement and subsequent approval by the authority prior to the commencement of any monitoring;

2.1.5.4 Any equipment or machinery which may cause substantial vibrations shall be mounted on rubber mountings or other specialized vibration reduction mountings in order to reduce vibration impacts;

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 fuels, oils and chemicals 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 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 2011, as published per Legal Notice 184 of 2011 as amended, 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 LN 106/2007. Where the company removes wastes using its own transport the vehicle(s) must also be registered as a waste carrier in accordance with LN 106/2007 or as quoted in any other subsequent amendment;

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;

2.2.3 Effluent Collection

2.2.3.1 Effluent collection pits are to be constructed in such a manner so as not to allow any leakages or spillages to the surrounding environment, and are designed in such a manner as to safely contain the type of waste that they are designated to store;

2.2.3.2 Cesspits utilised for the storage of domestic sewage shall be registered with the Superintendence of Public Health;

2.2.3.3 The cesspit is to be emptied regularly at the waste holder's expense so as to prevent overflowing and so as not to constitute a threat to human health and the environment;

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. However, non-hazardous waste awaiting collection may be placed outside the site premises for a period not exceeding 6 hours;

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 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;

2.3.4 The construction of fuel tanks shall comply with the relevant MRA standards;

2.3.5 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;

2.3.6 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;

2.3.7 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;

2.3.8 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 authorised site;

2.3.9 The storage of flammable, toxic and hazardous substances and the maintenance of safety critical equipment should correspond to good international practice;

2.3.10 It is prohibited to store mechanical parts or any other related waste on site, unless this is done in a closed (roofed) structure, in accordance with provisions of the Environment and Development Planning Act (CAP. 504; Act X of 2010), that has impermeable ground and able to contain any spills within the closed structure;

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 as per attachment 6A, 6C, 7 and 8 of the permit application;

2.4.2 Any maintenance activities involving grit, sand or glass blasting are strictly prohibited;

2.5 Accident prevention and control

2.5.1 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 MSDS sheets;

2.5.2 The emergency procedure shall be updated whenever necessary and the updated version sent to MEPA and the Civil Protection Department;

2.5.3 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 MEPA 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 at any reasonable time;
3.1.2 be supplied to the Authority on demand and without charge and in the format requested;
3.1.3 be legible;
3.1.4 be made as soon as reasonably practicable;
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 Site Diary shall be kept secure and shall be available for inspection at the Site when required by an authorised officer of the Authority. This shall include a record of the following events:

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

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

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 Permit Holder's expense. The Authority reserves the right 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 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, the Operator is obliged to find a replacement for that member of staff immediately;

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 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; and

6 Other conditions

6.1 The toilet and cesspit shall not be brought into operation until they are covered by a valid planning permit.

6.2 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 and non-hazardous waste

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

S1.4 Transport of Waste

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

S1.5 Submission of Certifications

Condition Number	Documentation
2.1.1.3	Certification of filters (PS1, PS2, PS4, PS5)
2.1.1.3	Certification of generator (PS3)

[1] European Waste Catalogue Code (Reference: Schedule 1 of LN 337 of 2001: http://www.mepa.org.mt/environment/legislation/LN_337_2001_E.pdf)

S1.5 Submission of Maintenance Log

Component	Maintenance			Tasks carried out
	Weekly	Monthly	Yearly	
Maintenance of PS1 and PS2				
Maintenance of PS3				
Maintenance of PS4, PS5				
Add rows for other components				

S1.6 Monitoring Data

S1.6.1 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, PS2	5 mg/m^3			mg/m^3			kg
Carbon Monoxide	PS3	80 mg/m^3			mg/m^3			kg
Total Particulate Matter	PS3	50 mg/m^3			mg/m^3			kg
Oxides of Nitrogen	PS3	350 mg/m^3			mg/m^3			kg

[1] Annual average if more than one measurement is taken. Concentration shall be corrected to 3% O_2.
[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. 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.

Schedule 2
Site Map

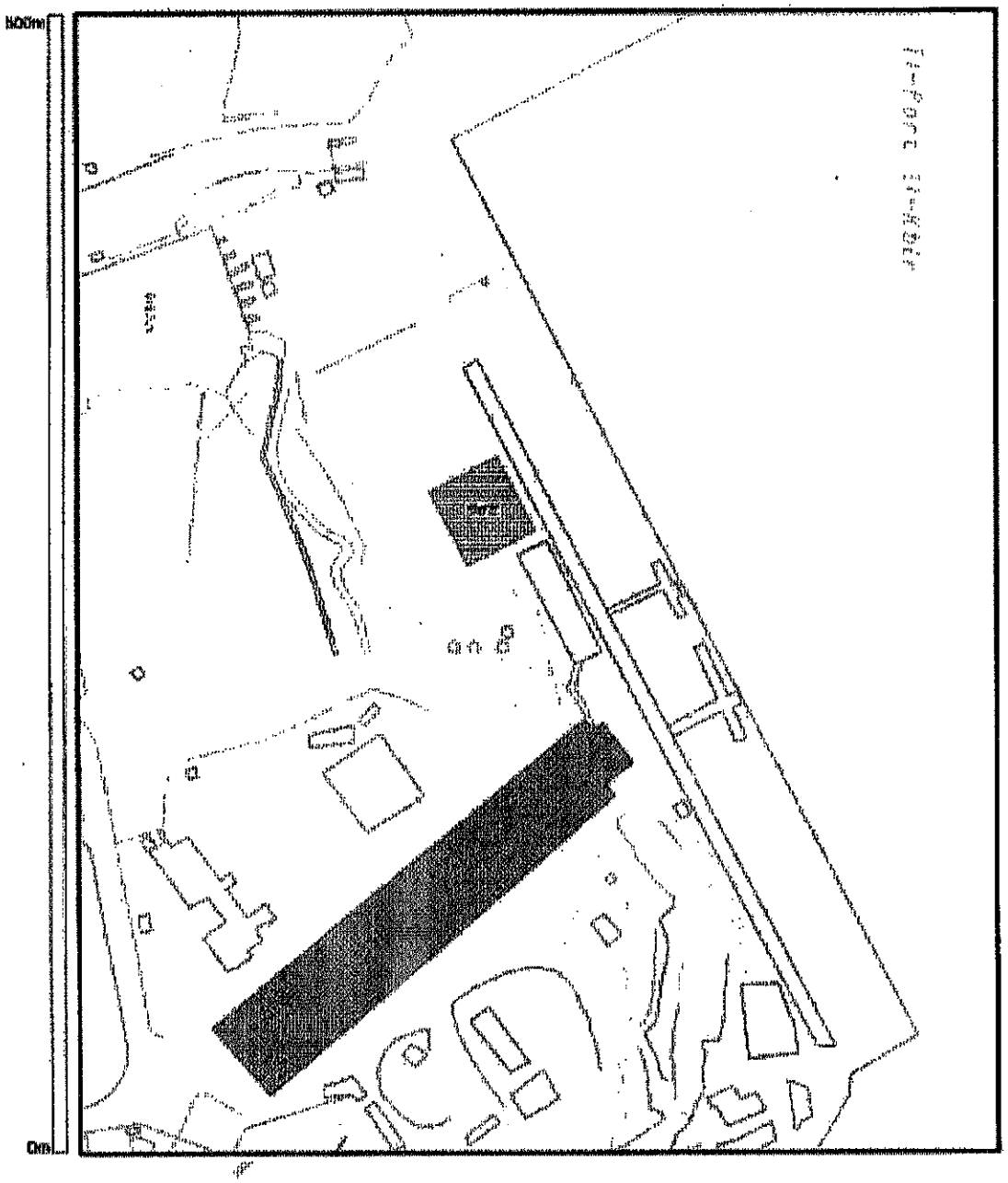

Figure S2.1: Site of installation, showing extent of area authorised for activity (Marked in red)

Schedule 3
Site Layout

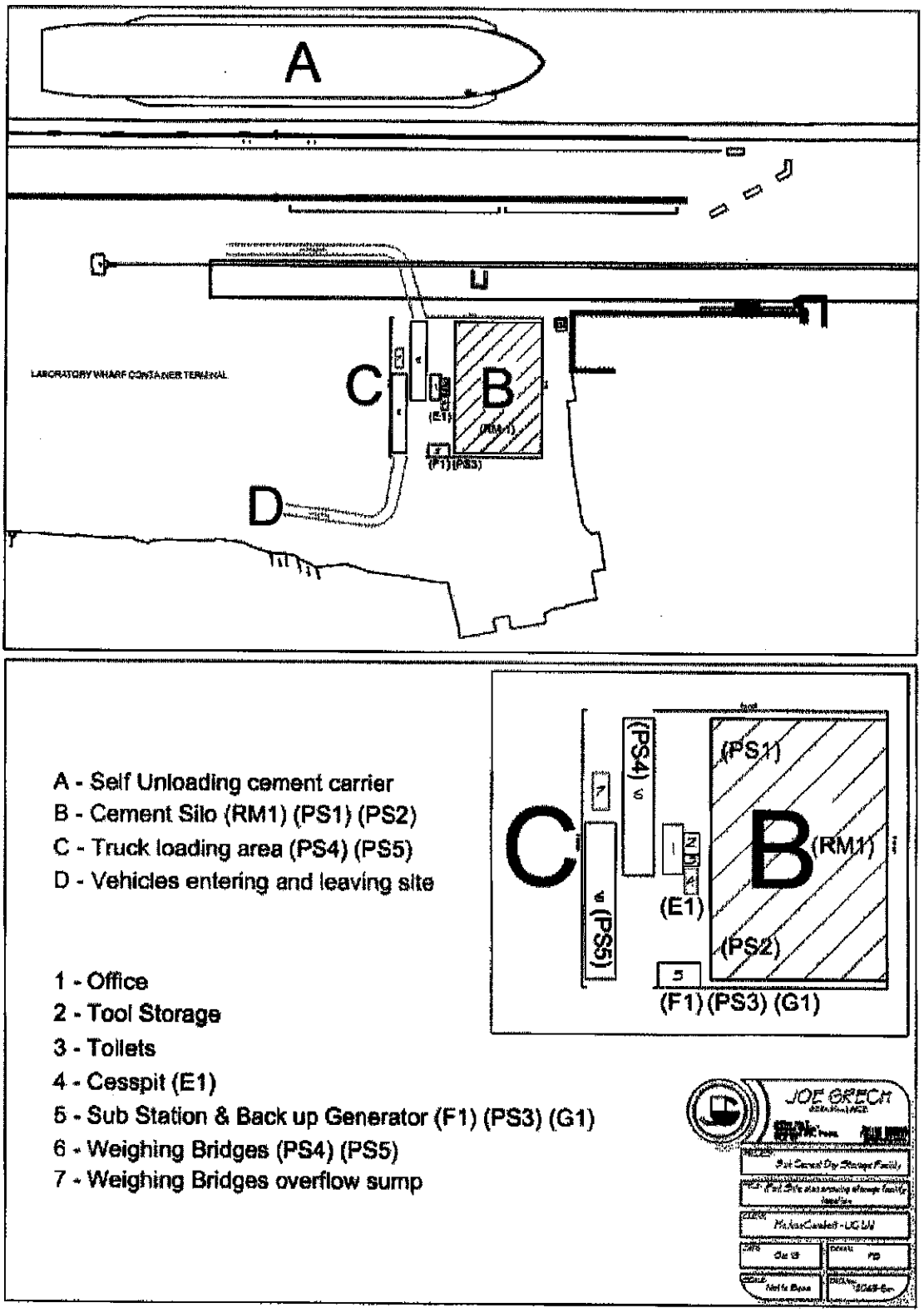

Figure S3.1: Plan of installation showing main features.

Schedule 4

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 minimise noise 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 a 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