

## Environmental Permit

Environment Protection Act (CAP. 549)

### Permit number

EP 0083/20

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

### ***Mr. Victor Vella obo A. Vella Borg & Sons Ltd. (C5676)***

(hereinafter “the Permit Holder”),

to operate a hardstone quarry as per conditions and limitations stipulated in this authorisation, which activities include the extraction of hardstone, production of inert aggregate and reinstatement by backfilling of the quarry at:

### **HM13A, Mellieha Road**

**I/o Mellieha**

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

| Signed                        | Date                           |
|-------------------------------|--------------------------------|
| Prof Victor Axiak<br>Chairman | Permit Granted: 16 / 11 / 2020 |

**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 for EP submitted</i>                      | <i>30 January 2012</i>   |
| <i>New Permit issued<br/>(EP0013/12/A)</i>               | <i>15 May 2013</i>       |
| <i>Renewal and Variation issued<br/>(EP0013/12/B)</i>    | <i>03 July 2017</i>      |
| <i>Renewal issued (EP0013/12/C)</i>                      | <i>01 October 2018</i>   |
| <i>Renewal and variation<br/>determined by ERA Board</i> | <i>25 September 2020</i> |

#### 1.1 Permitted Activities

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

| <b>Table 1.1.1</b>   |   |   |
|--|---|---|
| <b>Activity</b>  | <b>Description of specified activity</b>  | <b>Limits of specified activity</b>   |
| Extraction of resource (rock mineral)                                  | Extraction of rock mineral  | From extraction of rock material to dispatch of finished product  |
| Deposit, sieving, recycling and stockpiling of inert waste             | Recycling, sieving and crushing of inert material and waste                       | From receipt of inert waste to sieving of soil from the inert waste and subsequent crushing, stockpiling and dispatch of crushed inert material and stockpiling of resultant sieved soil. |
| Backfilling of excavation void   | Backfilling of excavation void with inert material for final restoration purposes | From receipt of permitted inert waste to backfilling of excavation void.  |
| Storage of Diesel for refuelling of the company's heavy plant vehicles | Storage and refuelling of heavy plant vehicles onsite.                            | From receipt of diesel in the underground storage onsite to   |

|                                       |   |  |
|---------------------------------------|---|--|
|                                       |   | refuelling of the company's heavy plant vehicles.  |
| Own site vehicle maintenance & repair | Storage of vehicle parts, maintenance and repairs of vehicles and other related machinery | From maintenance/repair activity to appropriate recovery/disposal of any waste generated on site |

## 1.2 Site

- 1.2.1 The activities authorised under condition 1.1.1 shall not extend beyond the Site, as shown on the Site Map in Schedule 3 to this Permit.

## 1.3 General Conditions

- 1.3.1 The conditions and obligations of this permit are without prejudice to any other regulation, code of practice, conditions or requirements requested by other Authorities or entities, including but not limited to, the Planning Authority, the Occupational Health and Safety Authority, Transport Malta and the Malta Resources Authority.
- 1.3.2 This permit is granted saving third party rights. The Permit Holder is not excused from obtaining any other permission required by law.
- 1.3.3 In these conditions and their interpretation, all terms shall have the same meaning as that assigned to them in CAP549 Environment Protection Act and its subsidiary legislation.
- 1.3.4 The Permit Holder has the sole responsibility to ascertain compliance with legal obligations, permit conditions and to undertake activities on and off site in line with good environmental practices at all times.
- 1.3.5 The Authority may carry out regular pre-set or unannounced compliance or monitoring checks that vary in frequency according to the site's compliance with the permit conditions and safeguarding of natural assets. Any checks or audits carried out by the Authority may be made at the Permit Holder's financial expense at the rate and arrangement communicated by ERA's Compliance and Enforcement Directorate.
- 1.3.6 The Authority's representatives may inspect and photograph any part of the site and ask for any closed or locked areas to be opened and may demand to be provided with any proof, documentation, plans, receipts or any other records.
- 1.3.7 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.

- 1.3.8 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.
- 1.3.9 The Permitted Installation shall be managed, controlled, supervised and operated by staff that are aware of the importance of environmental protection and suitably trained on the requirements of this Permit. All staff shall be provided with adequate training and written operating instructions to enable them to effectively carry out their duties. Such training shall be recorded and maintained in line with Condition 4.3.3.
- 1.3.10 Upon the joint application of a Permit Holder and a proposed transferee, the Permit Holder may request to transfer an environment permit. The permit shall not be transferred from the Permit Holder without prior approval from the Authority. Upon the Authority's decision to transfer the permit to the transferee, all rights, obligations, liabilities shall subsist onto the transferee.
- 1.3.11 The Authority may suspend or revoke this environmental permit in line with the provisions of CAP 549.
- 1.3.12 The permit is valid for a period of **four (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 this permit. The permit will be considered renewed once the official renewed permit is granted by the Authority.
- 1.3.13 This permit is granted against a bank guarantee of **€7,850**, 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.
- 1.3.14 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.
- 1.3.15 The Authority may take part or all of the bank guarantee if the Permit Holder fails to take necessary action or fails to fulfil his legal obligations under the Act or its subsidiary legislation thereof, in cases of non-compliance with these permit conditions, or in cases where environmental integrity is threatened. This bank guarantee is without prejudice to any environmental liabilities incurred by the Permit Holder through failure to adhere to permit conditions or any other works/activity carried out on site. Should the Authority forfeit the Bank Guarantee either in part or in full, the Permit Holder shall ensure that this is replenished without undue delay, in any case not exceeding 2 months from the date of forfeiture.
- 1.3.16 In cases where the bank guarantee does not cover the expenses incurred by the Authority to take remedial action on the Permit Holder's behalf, the Permit Holder is to financially reimburse the Authority of all the expenses incurred within.
- 1.3.17 A copy of this permit shall be available at all times at the site office, including any Variation Notices or amendments to it.

- 1.3.18 The Authority may request additional monitoring and/or review of operational practices and/or commission audits as deemed necessary to address any circumstances that may affect the quality of the surrounding environment.
- 1.3.19 Without prejudice to condition 1.3.18, the Authority may take any action deemed necessary including but not limited to the suspension of any activity/operation until investigations are concluded.
- 1.3.20 Any incident including accidental release of liquid, solid or gaseous materials from the site that could be regarded as causing environmental damage, or as posing a threat of environmental damage, shall be reported not later than within 24 hours to ERA.

## 1.4 Operational Changes

- 1.4.1 The Permit Holder may apply for a variation in permit and shall seek the Authority's written agreement prior to any operational changes, by sending to the Authority:
- a. written notice of the details of the proposed change, including an assessment of its possible effects (including changes in emissions and waste production) on the environment from the Permitted Installation;
  - b. any relevant supporting information (e.g. chemical/fuel consumption, technical details, changes in the type/use of substances/mixtures, etc.);
  - c. assessments and drawings, and;
  - d. the proposed implementation date.

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

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

## 1.5 Improvement Programme

- 1.5.1 The Permit Holder shall complete the improvements specified in Table 1.5.1 by the date specified in that table, and shall send written notification of the date of completion of each requirement to the Authority on [ced.facilities@era.org.mt](mailto:ced.facilities@era.org.mt) within 10 working days of the completion of each such requirement.

| Table 1.5.1: Improvement programme |  |   |
|------------------------------------|--|---|
| Reference                          | Requirement  | Deadline                                  |
| 2.                                 | Submission of a plan outlining dust control measures from the operations on site, with implementation timeframes | Within 3 months of granting of the permit |
|                                    | Implementation of the plan following the   | In line with the                          |

|    |  |  |
|----|--|--|
|    | Authority's approval   | approved timeframes as indicated in the approved plan.   |
| 3. | Installation of quarantine area for non-inert waste that may inadvertently be accepted within the quarry as per condition 2.1.2  | Within 3 months of granting of the permit  |
| 4. | Submission of a decommissioning plan of the current fuel tanks and commissioning plan of new tanks for ERA Approval.<br><br>a) Decommissioning of the current tanks as per approved report.<br><br>b) Installation and engineer's certification of the new tanks, associated bunding (condition 2.2.5), refuelling area (condition 3.6.5) and sheltering as per approved report. | Within 3 months of granting of the permit<br><br>Within the timeframes stipulated in the report. |

## 2 SITE INFRASTRUCTURE AND EQUIPMENT

### 2.1 General Site Infrastructure

- 2.1.1 The site perimeter shall be clearly delineated either by a chain link fence, bollards or low walls. During non-operating hours the site shall be securely closed and totally inaccessible to third parties, both by vehicle and on foot. The site must be well secured at all times.
- 2.1.2 A quarantine area shall be implemented within the site boundary to temporarily hold unpermitted waste that may inadvertently enter the site during backfilling operations. Any waste with the possibility of leaking oils or chemicals shall be stored in areas sheltered from the elements and bunded, preferably indoors. A non-leaking skip or similar contained structure shall be utilised for the temporary storage of unpermitted waste. The quantity of waste in the quarantine area should not exceed the capacity of said area at any given time.
- 2.1.3 The entrance/exit area to be Permitted Site shall be constructed by compacted gravel and shall be regularly cleaned so as to prevent vehicles from transporting dust and waste onto public roads.
- 2.1.4 A vehicle wheel wash/ wheel dip (or similar mitigation measures) shall be kept before the main exit of the Permitted Site so as to prevent vehicles from transporting dust and waste onto public roads.
- 2.1.5 Access to site for the permitted operations shall be limited to existing access roads and widening of such roads shall not take place as part of operations. Trucks using this site as a backfilling/recycling facility are to access the site only from the main gate.

## **2.2 Storage Areas**

- 2.2.1 All storage of materials, fuels, oils and waste shall take place only in areas with impervious ground and where thorough clean up and site reinstatement can be readily undertaken.
- 2.2.2 Bulk storage tanks for fuels, oils and chemicals, and associated bunding and pipe work shall be visually inspected at least twice a month. Such records shall be included in the site operational log.
- 2.2.3 All small storages of oils and lubricants used for everyday quarry operations shall be equipped with a containment system such as drip trays in order to prevent leakages or spillages.
- 2.2.4 The storage of tyres shall be segregated from other wastes and the structure within which the tyres are stored is to be adequately equipped with fire hydrants that are regularly maintained and serviced by the supplier. At any time the storage of used tyres shall not exceed thirty (30).
- 2.2.5 Any storage of fuel oils or lubricating oils on site must be kept in leak proof containers and stored in a bunded area that is capable of holding 110% of the total volume of the stored material. The Permit Holder shall also ensure and take all precautions in his competence to avoid any leakages or spills from liquid or solid material that can cause environmental harm. Filling and off-take points shall be located within the bund, which shall not have any drainage connections for rainwater.
- 2.2.6 The storage of other liquids in drums or containers, other than fuel oils, lubricating oils or water, or approved dust flocculants, is strictly prohibited on any part of the site.
- 2.2.7 It is prohibited to store waste mechanical parts or any other waste on site, unless this is done in a closed structure (not open to the elements) constructed on impervious ground capable of containing any accidental spills of fuels, oils or any other hazardous materials. This storage cannot exceed a period of more than three (3) months or surpass one truck load in volume.
- 2.2.8 It is prohibited to store oil containing mechanical parts, unless this is done in a closed structure (not open to the elements) that has impermeable ground and able to contain any spills within the closed structure. Large mechanical parts or spares not containing oils can be stored outside.
- 2.2.9 The storage of waste oils in large quantities is also prohibited on site. This waste is to be disposed of at a licensed facility that is authorised to accept this type of waste and is to be transported in robust, leak-proof drums via a registered waste carrier in possession of a valid Class D(3) permit. Receipts of such transfers and documentation from the licensed facility to which this waste has been transferred are to be kept, and provided whenever requested by the Authority's representatives. Waste oils shall not exceed more than two (2) 45-gallon drums in volume.



## **2.3 Maintenance Areas**

- 2.3.1 Any work areas for general maintenance on vehicle parts that are located in the open air on site shall be segregated, on impermeable ground and also constructed in such a manner that assures the containment of any liquid spilled within that area. Any activities that involve grit, sand or glass blasting are strictly prohibited.
- 2.3.2 All vehicle and equipment maintenance is to be carried out on an impervious surface where a thorough clean-up of fuels, oils or any other hazardous chemicals can be readily undertaken.
- 2.3.3 The cleaning of vehicles, equipment and mechanical body parts shall be carried out on an impervious surface.

## **2.4 Equipment on Site**

- 2.4.1 The weighbridge shall be maintained, calibrated and certified by a warranted engineer or by the equipment's manufacturing company once every year. This certificate is to be submitted to the Authority as part of the Annual Environment Report as per condition 4.4.2 and Schedule 2.
- 2.4.2 All plant, equipment and technical means used, including stone crushers used in operating the Permitted Installation, shall be maintained in good operating condition and without causing polluting emissions, leaks and spillages. Maintenance records of the above shall be kept by the Permit Holder and shall be made available to officers of the Authority for review upon request.
- 2.4.3 All equipment is to be installed and operated in accordance with the manufacturer recommendations, so as to minimise the release of dust to air, land and water.
- 2.4.4 During all operating hours of the facility there shall be at least one fully functional wheel shovel per tipping face on site.
- 2.2.1 On-site fueling shall be carried out at a dedicated impermeable and contained area to ensure that any spills are easily cleaned up. Spill kits shall be readily available at this area.

## **3 OPERATIONAL PROCEDURES**

### **3.1 Waste Acceptance**

- 3.1.1 The site is authorised to accept inert waste as per Table 3.1.1 below and Schedule 1. Tarmac or bitumen products originating from road works, sludges or dredged material **are prohibited** from entry.

| <b>Table 3.1.1</b> |   |
|--------------------|---|
| <b>Waste Type</b>  | <b>Description of Waste</b>   |
| Excavation Waste   | Waste that originates from rock excavation. This waste shall be free of non-inert waste as well as soil, trees, shrubs or any other agricultural content.   |
| Demolition Waste   | Waste that originates from the demolition of structures. This waste is to consist of stone slabs and concrete planks or concrete beams only and <b>shall not</b> contain any other waste type such as aluminium, wood or iron apertures, pieces of clothing, furniture, household goods, mattresses or any other waste.<br><b>This waste is to be separated at source and not at the quarry where possible.</b> |
| Extractive Waste   | Inert waste generated from the extraction of mineral.   |

- 3.1.2 Any mixed waste inadvertently entering the site is to be separated prior to the inert fraction being backfilled/recycled on site.
- 3.1.3 The Permit Holder is to apply the precautionary principle during the waste acceptance phase and refuse the entry of any truck loads whose content is not specified or in cases where there is uncertainty of what the truck consists of.
- 3.1.4 Trucks using this site as a backfilling/recycling facility are to enter the site only from the main gate and staff on site is to visually inspect every truck load that enters the site. The site entrance/weighbridge operator is responsible to accept or refuse the entry of trucks carrying waste into the site.
- 3.1.5 The loaded trucks are to proceed to the waste separation area upon clearance from the site entrance/weighbridge operator and start unloading the waste in the locations indicated by the staff. The staff at the tip face is to instruct the truck drivers to unload the waste on the tip face and not over the tip face. Staff on site is to ascertain that the load does not contain hazardous waste.
- 3.1.6 The vehicles are to unload the waste at the backfilling/recycling area and exit the site after the staff on site indicates to the driver that the vehicle can proceed to exit the site.
- 3.1.7 Staff on site is to refuse the entry and disposal of any truckloads of waste that is known to have originated from contaminated sites, decommissioned petrol stations, old fuel depots, fuel storage areas etc. During such occurrences the measures listed in conditions 3.1.8 to 3.1.9 are to be followed accordingly. Such measures are also to be taken when staff on site observes oil or diesel stained debris amongst the rubble or detect a fuel smell emanating from the tipped waste at the waste separation area.
- 3.1.8 In the event that a truck load contains heavily mixed waste or waste that cannot be backfilled, the staff on site is to re-load the unacceptable waste on the truck that has delivered the unacceptable load and direct it to a licensed facility authorised to

accept such material. Staff on site is to take note of the truck registration plates, date, time and load content.

- 3.1.9 In the event that staff on site is not able to reload the unaccepted waste load back on the truck that delivered the unacceptable waste, the waste carrier permit number and registration plate of the truck shall be noted. The load of unacceptable waste is to be temporarily stored in the quarantine area and then transferred at the Permit Holder's expense to a licensed facility that is authorised to take such waste. Staff on site is to keep note of when unaccepted waste loads temporarily stored in the quarantine area are transferred to other licensed facilities in terms of time, date and truck registration numbers that affected the transfer of such waste and the receipts of the authorised facility where the waste was disposed of.
- 3.1.10 The Permit Holder may refuse the entry of vehicles that repeatedly deliver unacceptable waste loads on site after notifying the Authority of his/her intention to take such action.
- 3.1.11 The mechanical wheel shovel shall spread the tipped inert waste and sort the material, in terms of inert and non-inert.
- 3.1.12 The separated non-inert waste is not to exceed the capacity of the approved quarantine area.
- 3.1.13 Inert waste shall be backfilled in three metre heaps and properly compacted. Infilling shall occur in a phased approach from within the quarry void. No access to areas surrounding the quarry rim and dumping of material from quarry rim is permitted.
- 3.1.14 In the event that unaccepted waste is tipped at the tip face, the Permit Holder and the staff on site are liable and responsible to retrieve that waste by every means possible to them. Should the Permit Holder not be in a position to carry out the retrieval operation, the Permit Holder is to sub-contract equipment or personnel to retrieve such waste on his behalf.
- 3.1.15 The Permit Holder shall at no time refuse entry to any vehicle registered with the Authority to transport inert and Construction and Demolition waste, unless such waste is not fit for disposal in a facility permitted to accept inert material. This is without prejudice to other ancillary permitted activities onsite.

## **3.2 Waste Storage and Handling**

- 3.2.1 The Permit Holder shall ensure that all operations authorised in accordance with this Permit are carried out in an orderly manner and in such a way as to cause the least possible disturbance to the surroundings.
- 3.2.2 No storage of waste, equipment or materials is permitted on property outside the site premises.
- 3.2.3 All wastes (other than inert waste) shall be stored within a designated impermeable and controlled storage area(s) prior to ultimate disposal. Wastes to be recycled offsite shall be stored in a designated container or area and shall not be mixed with other wastes.

- 3.2.4 The storage of hazardous waste generated on site only shall comply with S.L. 549.45 - the requirements of S.L. 549.45 - the Waste Management (Activity Registration) Regulations.
- 3.2.5 Liquid and hazardous waste shall be stored in a labelled, closed container(s) within a designated impermeable and controlled storage area(s), equipped with an appropriate bunding system, prior to ultimate disposal. Wastes of different natures shall not be mixed in the same container.
- 3.2.6 No storage of waste destined for disposal is permitted for a period exceeding 12 months. No storage of waste (other than inert waste) destined for recovery is permitted for a period exceeding 3 years.
- 3.2.7 Any stockpiles of inert material shall be restricted to the lowest part of the quarry. All stockpiles of inert material are to be located and managed in such a way as to avoid contamination of air or water through wind or run off respectively. Particular areas of the operation which may generate dust should be regularly wetted down to mitigate dust emissions onto the surroundings.

### **3.3 Crushing of inert waste material**

- 3.3.1 The crushing of extracted hardstone and inert waste shall be done through mechanical crushers equipped with dust suppression systems.
- 3.3.2 Crushing shall be carried out without significant dust emissions. Should the Authority deem it necessary, the Permit Holder is to submit a monitoring proposal as per condition 1.3.18. The Authority may also request implementation of further dust abatement measures as deemed necessary.
- 3.3.3 The mechanical grip operator shall spread the tipped waste at the recycling area and sort the material, in terms of inert and non-inert.
- 3.3.4 The inert material that results in the waste separation shall be crushed on site and the other non-inert materials that result from the waste separation shall be disposed of at licensed facilities that are authorised to accept the waste.
- 3.3.5 The separated non-inert waste shall not exceed the capacity of the approved quarantine area.

### **3.4 Waste Disposal**

- 3.4.1 Records shall be kept for the disposal of all hazardous waste generated from the processes and operations on site, including EWC Code, description, quantities, date of removal, contractor name (including for transport), consignment note number and place of disposal / recovery. The records shall be maintained for a minimum period of 5 years and be made available, upon request, to the Authority.
- 3.4.2 Disposal of wastes shall be managed accordance with the legal obligations of S.L. 549.63 - the Waste Regulations.

- 3.4.3 Off-site disposal of wastes may only take place at a facility licensed for that purpose.
- 3.4.4 The incineration of any type of waste or any other material on site is strictly prohibited.
- 3.4.5 On-site disposal of unpermitted wastes by any means including disposal to drain, surface / ground water, burying or deposition on land is prohibited, unless specifically approved through a Variation of this Permit.
- 3.4.6 Disposal certificates shall be kept on record and made available for inspection for a period of five (5) years from their date of issue and shall be made available, upon request, by the Authority.
- 3.4.7 The Permit Holder shall make use of the services of a registered waste carrier for the transport of waste from the site in accordance with 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.
- 3.4.8 All hazardous waste transferred off the site and every individual movement of hazardous waste shall be accompanied by a valid consignment permit and consignment note obtainable from the Competent Authority.

### 3.5 Emissions to Air

- 3.5.1 All processes which generate significant levels of airborne contaminants beyond the site boundary shall be fitted with abatement measures designed in such a way as to avoid local impacts.
- 3.5.2 Emissions to air shall arise from the emission points specified in Table 3.5.2, as per the description in the submitted EP application.

**Table 3.5.2**

| <b>Emission source reference</b> | <b>Source</b>       |
|----------------------------------|---------------------|
| Source 1                         | Stone Crusher area  |
| Source 2                         | Backfilling area    |
| Source 3                         | General quarry area |
| Source 4                         | Generator           |
| Source 5                         | Siever              |

- 3.5.3 ERA recommends that diesel (gas oil) generators, boilers and fixed crushers shall have a sulfur content of not greater than 0.1%.
- 3.5.4 The co-incineration of any material or additional fuel including engine or other waste oil is strictly prohibited. Any change in fuel type shall require the notification and approval of the Authority prior to commencement of its utilisation.
- 3.5.5 The Permit Holder shall submit certification for the generator (Source 4) referred to in Table 3.5.2, by an independent warranted engineer showing that the boiler and

the generator are in good working condition every 4 years. The certification shall be submitted as part of the Annual Environmental Report (AER) in Schedule 2.

- 3.5.6 Should the Permit Holder intend to install equipment, which could lead to additional emissions to air (e.g. boiler, etc.), a variation of this Permit must be secured prior to installation and operation of this equipment.
- 3.5.7 The Authority may request monitoring of emissions to air which shall be undertaken in accordance to the terms of reference provided by the Authority.
- 3.5.8 In the event of malfunction or breakdown leading to abnormal emissions from equipment, the Permit Holder must:
- a. Investigate immediately and undertake corrective action, and
  - b. Adjust the process or activity to minimise those emissions, and
  - c. Record the events and actions taken.
- 3.5.9 Further to condition 3.5.8, the Permit Holder shall provide ERA with details of the specific cause of the malfunction and the remedial steps taken or to be taken to address the malfunction.
- 3.5.10 All abatement equipment and ducting shall be cleaned and maintained on a regular basis, as per manufacturer specifications. Records of such maintenance shall be kept in accordance with Condition 4.3.1.
- 3.5.11 The Permit Holder shall prevent or where that is not practical, reduce fugitive emissions of substances to air from the Permitted Installation.

### **3.6 Effluent Discharges**

- 3.6.1 No discharges to surface or underground water shall take place from the permitted installation.
- 3.6.2 The Permit Holder shall endeavour to collect rainwater in a suitable reservoir or cistern.
- 3.6.3 The Permit Holder shall undertake all necessary measures and precautions to prevent spillage of materials such as waste oils, lubricant oils and any other materials that may potentially contaminate the environment.
- 3.6.4 Spillages of oil or other hazardous material shall receive immediate attention to prevent escape to drain, surface water, groundwater or land. All such storage areas must be appropriately contained. Spilled material shall be disposed of in sites permitted under the relevant environmental regulations to accept such waste. It is the Permit Holder's responsibility to ascertain that such waste is properly disposed of.
- 3.6.5 On-site fuelling shall be carried out at a dedicated impermeable and contained area to ensure that any spills are easily cleaned up. Spill kits shall be readily available at this area.

### **3.7 Emissions to Land**

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

## **4 SITE MANAGEMENT**

### **4.1 Staff Obligations and Responsibilities**

- 4.1.1 At all times during operative hours there shall be:
- a. At least one employee controlling the entrance of the site and visually inspecting incoming waste during backfilling operations,
  - b. One employee per tip face to operate the mechanical shovel; and
  - c. One employee to operate crushers and graders.
- 4.1.2 One member of the staff shall be nominated as the Technically Competent Person (TCP) of the site, whereby this person is to physically represent the Permit Holder during the times when the Permit Holder will not be available.
- 4.1.3 In the event of any short or long periods of sick leave or vacation leave taken by the TCP, for more than 10 days or change in TCP, the Permit Holder is obliged to find a replacement for that member of staff without delay and the Authority informed accordingly.
- 4.1.4 In the event where operations cease temporarily, the TCP or Permit Holder are obliged to notify the Authority within two (2) days and are also to inform the Authority with regards to when the works are intended to resume.
- 4.1.5 All the staff on site shall be fully knowledgeable on the handling and usage of fire extinguishers on site.
- 4.1.6 All staff shall be fully conversant with those aspects of the Permit conditions, which are relevant to their duties.
- 4.1.7 All the staff on site shall be fully aware of the procedures to be taken in the event of an accidental spill of any liquid other than water and how to contain the environmental hazard.
- 4.1.8 The Permit Holder shall conduct any monitoring programme/s as may be required by the Authority after consultation with the Malta Resources Authority and the Energy and Water Agency to ensure that the quality of groundwater in the area is not compromised in the event of an environment hazard.
- 4.1.9 In the event of a spill, the Authority may commission an independent expert at the Permit Holder's expense or ask the Permit Holder to commission an independent

expert to undertake any study deemed necessary after consulting the Malta Resources Authority.

#### **4.2 Control of mud and debris**

- 4.2.1 The Permit Holder is to sweep the road leading to the facility at least at end of operations daily in summer and on windy days during the year, unless otherwise indicated by ERA representatives and through official documentation.
- 4.2.2 At all times during the year the Permit Holder and/or TCP are to ascertain that the roads leading to the facility are clean and free of mud or large debris. In the event that mud or large debris is observed on the road the Permit Holder and/or TCP is to take remedial action and ascertain that the roads are immediately cleaned by means of a road sweeper or mechanical shovel in cases where heavy mud is deposited on the road.

#### **4.3 Site Records & Archive**

- 4.3.1 A site daily operations log shall be made in a legible manner and kept on site and be made available for inspection by the Authority at any reasonable time. The following information shall be recorded on a daily basis and retained for 5 years:
- a. Total amount of waste in tonnes accepted on site.
  - b. Total amount of waste in tonnes refused entry on site.
  - c. Total amount in tonnes and specific waste stream transferred from site.
  - d. Any incidents that took place on site such as mechanical faults in the machinery or equipment used on site, any spills, fires, etc and the remedial action taken
  - e. Records related to Section 4.2
  - f. Any other incidents that the Permit Holder deems important to record in the Site daily operations log.

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

- 4.3.2 A full record is to be kept of all the vehicles entering the site carrying waste to be backfilled, their registration plate, date and time of entrance and the tonnage of each vehicle.

#### **4.4 Reporting**

- 4.4.1 All reports and written notifications required by this Permit shall be made and sent to the Authority addressed to the Compliance and Enforcement Directorate, Environment and Resources Authority (ERA).
- 4.4.2 The Permit Holder shall also submit to the Authority an Annual Environmental Report (AER) of the previous year by not later than end of March of each year, providing the information listed in Schedule 2 of this Permit and in the format



specified therein. It shall also be ensured that all certification and documentation as per Schedule 2 are submitted according to the relevant timeframes therein.

- 4.4.3 In the event where operations cease temporarily, the TCP or Permit Holder are obliged to notify the Authority within two (2) days and are also to inform the Authority with regards to when the works are intended to resume.
- 4.4.4 The Authority shall be informed within 24 hours in the event of an environmental hazard or major incidents.

#### **4.5 Accident prevention and control**

- 4.5.1 An Emergency Response Plan shall be maintained containing details of the location, nature and quantity of oils and fuels stored, any special hazards 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 fuel spills.
- 4.5.2 In the case of an accident (including fuel spills, etc.), the Permit Holder shall follow the Emergency Response Plan referred to in Condition 4.5.1 and, notify the Authority within 24 hours.
- 4.5.3 Spillages of fuel, oils or other hazardous material shall receive immediate attention to prevent escape to groundwater or land. Spilled material shall be disposed of in an appropriate manner. Kits for the collection of liquid and powder spills shall be available on site at strategic locations.
- 4.5.4 Small leaks or spills shall be cleared up immediately by the application of absorbent materials. All used absorbent materials shall be disposed of as hazardous waste at facilities permitted to accept such waste. Transfer of this waste shall be carried out as per conditions specified in section 3.2 of this permit.
- 4.5.5 The Permit Holder shall have in storage an adequate supply of suitable absorbent material to absorb any spillage.

#### **5 Cessation of Activity**

- 5.1 The Permit Holder shall notify the Authority prior to ceasing operations permanently in part or full, whereby an application for cessation of operations shall be made to the Authority and shall include a decommissioning plan.
- 5.2 In the event that the activities listed in condition 1.1 of this permit ceases unexpectedly and the Permit Holder is no longer interested in pursuing the permitted activity, the Permit Holder is to notify the Authority within seven (7) days.

- 5.3 All obligations of this permit shall subsist until such time that the Authority notifies the operator in writing that all obligations and conditions of the permit have been fulfilled without prejudice to any liabilities and third-party rights.
- 5.4 In the absence of a valid development permit covering the final levels, the permitted activity shall at no time exceed the original site levels and be contiguous with surrounding contours.
- 5.5 When the Authority deems it necessary, prior to the cessation/closure of the site, the Permit Holder shall carry out any monitoring tests as indicated by the Authority, which will determine whether the Permit Holder can be released from the obligation of this permit.
- 5.6 Upon receiving official documentation from the Authority that confirms the site's closure, the Permit Holder is automatically responsible and liable in pursuing his responsibilities and fulfil his post-operational responsibilities, namely to:
- i. Should the Authority deem it necessary, monitor the waste mass stability and submit a report.
  - ii. Assure that the site is properly secured and that it cannot in any possible way be used as an illegal dumpsite or be accessed for fly tipping.

**Schedule 1**

**Complete List of Permitted Waste on Site**

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|          |   |
|----------|---|
| 01 01 02 | Waste from mineral non metalliferous excavation   |
| 01 04 08 | Waste gravel and crushed rocks except those mentioned in 01 04 07 (wastes containing dangerous substances from physical or chemical processing of non-metalliferous minerals) |
| 01 04 09 | Waste sand and clays  |
| 01 04 13 | Wastes from stone cutting and sawing except those mentioned in 01 04 07   |
| 17 01 01 | Concrete  |
| 17 01 02 | Bricks  |
| 17 01 03 | Tiles and ceramics  |
| 17 01 07 | Mixtures of concrete, bricks, tiles and ceramics other those mentioned in 17 01 06  |
| 17 02 02 | Glass   |
| 17 05 04 | Soil and stones (Excluding peat; excluding soil and stones from contaminated sites)   |

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## Schedule 2

### Annual Environment Report and Submissions

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**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.

#### S2.1 Introduction

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

## S2.2 Waste Records

### S2.2.1 Mineral Waste Records

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

**S2.3 Waste Records (waste removed from site)**

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

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

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

**S2.4 Submission of certificates**

|   |                          |
|---|--------------------------|
| Certification of Weighbridge Calibration every year | <input type="checkbox"/> |
| Certification of Generator every 4 years            | <input type="checkbox"/> |

**Applicant's declaration**

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

|   |                                |  |
|---|--------------------------------|--|
| .....<br><b>Name</b><br><i>(in block letters)</i> | .....<br><b>ID Card Number</b> | .....<br><b>on behalf of / in my own name</b><br><i>(in block letters)</i> |
| .....<br><b>Signature</b>                         | .....<br><b>Date</b>           |  |

<sup>1</sup> European Waste Codes Catalogue

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

**Schedule 3****Site Map**

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

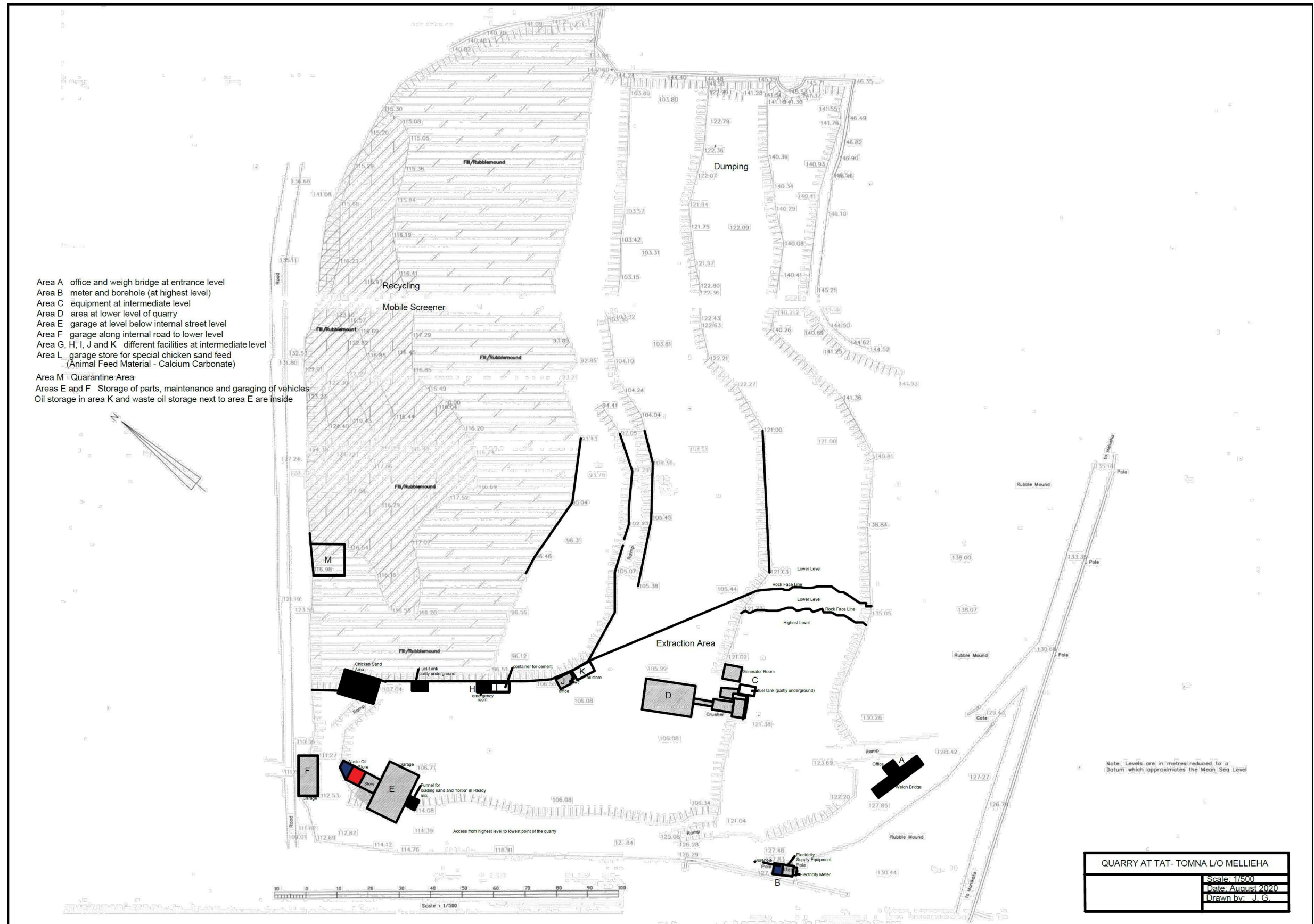


Fig. 2: Site of installation, showing detailed operational infrastructure for the carrying out of the activities specified in condition 1.1.1. The extent of the site boundary is indicative and shall not be used for interpretation purposes.

END OF PERMIT