

Environmental Permit

Environment Protection Act (CAP. 549)

Permit number

EP 0067/19

Approved Document

EP 0067/19/DOC1

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. Mario Agius [REDACTED] on behalf of PH Agius & Sons Ltd,
(hereinafter “the Permit Holder”)

Company Registration Number: **C5643**

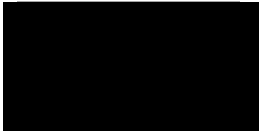
Whose registered office (or principal place of business) is at:

**The Plant,
Triq L-Imdina,
Zebbug, ZBG4103**

To operate an installation at:

**The Plant,
Triq L-Imdina,
Zebbug, ZBG4103**

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

 <p>Prof. Victor Axiak Chairman</p>	<p>Permit Granted: 17/03/2022</p>
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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 EP Application, or as otherwise previously agreed in writing by the Authority.

Status Log

Detail	Date
<i>EP application</i>	28 th March 2019
<i>Environmental permit determined by ERA Board</i>	18th February 2022

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.

Table 1.1.1		
Activity	Description of specified activity	Limits of specified activity
Deposit, recycling and stockpiling of inert waste	Recycling and crushing of inert material	From receipt of excavation to dispatch of crushed material
Acceptance, storage and processing of scarified material and soil	Crushing and/or grading, storage and reuse of scarified material; and sieving of soil	From receipt of scarified material/ soil, to storage, processing and reuse of products.
Concrete batching plant	Production of concrete and concrete products	From receipt of raw materials to final production and dispatch of finished products
Pre-cast concrete block plant	Production of concrete blocks	From receipt of raw materials to final production and dispatch of finished product.
Cold-mix asphalt plant	Production of cold asphalt	From receipt of raw materials to final production and dispatch of finished products.
Vehicle maintenance and repair	Maintenance and repair of vehicles and other related machinery.	From maintenance and repair to recovery/disposal at authorised facilities locally or abroad.
Vehicle washing	Vehicle washing with discharge to a settling tank	From vehicle washing to eventual disposal of sludge

	and eventual collection of sludge.	at authorised facilities locally or abroad.
Storage of chemical products	Storage of chemicals for asphalt, bitumen and concrete production.	From receipt of chemicals to final production and dispatch of finished product.
Refuelling of company vehicles and heavy machinery	Storage and refuelling of heavy plant vehicles onsite.	From receipt of diesel in the bunded above ground storage tank onsite to refuelling of the company's heavy plant vehicles.

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.
- 1.2.2 The Authority may also request implementation of further dust abatement measures as deemed necessary.
- 1.2.3 Whenever there is a conflict between the conditions of this Permit and approved documents, the conditions of the Permit shall prevail.

1.3 General Conditions

- 1.3.1 This permit is granted saving third party rights and without prejudice to any other legislation or regulations or authorisations required from any other competent authorities or site owners.
- 1.3.2 In these conditions and their interpretation, all terms shall have the same meaning as that assigned to them in CAP 549 Environment Protection Act and its subsidiary legislation.
- 1.3.3 The Permit Holder has the sole responsibility to ascertain compliance with legal obligations, permit conditions and the approved document EP 0067/19/DOC1 and to undertake activities on and off site in line with good environmental practices at all times.
- 1.3.4 The Authority may carry out pre-set or unannounced compliance or monitoring compliance 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 a rate and arrangement communicated by ERA's Compliance and Enforcement Directorate.
- 1.3.5 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.
- 1.3.6 The Permit Holder shall maintain a register of third-party complaints. The register shall record the details of the complainant(s) if available, the date, source and nature of the complaint and the corrective action undertaken, where such action proves necessary.
- 1.3.7 The Authority may add, amend, delete or substitute any of the conditions of this permit after notifying the Permit Holder of its intention and after describing the changes to the Permit

Holder. This, without prejudice to any prevailing circumstances that would preclude the Authority from following such a procedure.

- 1.3.8 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.
- 1.3.9 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.
- 1.3.10 The Authority may suspend or revoke this environmental permit in line with the provisions of CAP 549.
- 1.3.11 The permit is valid for a period of **four (4) years** from the date of the granting. The Permit Holder may apply for a renewal to this permit expressing their 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.
- 1.3.12 This permit is issued against a bank guarantee of **€8,350**, 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.
- 1.3.13 The Authority may forfeit the full amount of the bank guarantee if any of the permit conditions are not complied with or the Permit Holder fails to comply with any instruction given or any other legal obligation under the Act or its subsidiary legislation. Forfeiture of the bank guarantee does not preclude the Authority from taking any other action to ensure that the conditions of this permit are complied with. Should the Authority forfeit the Bank Guarantee either in part or in full during the validity of the permit, the Permit Holder shall ensure that this is replenished without undue delay, in any case not exceeding 2 months from the date of forfeiture. The Bank Guarantee shall only be released upon confirmation of compliance with the permit conditions by the Authority.
- 1.3.14 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.
- 1.3.15 A copy of this permit shall be available at all times at the site office, including any Variation Notices or amendments to it.
- 1.3.16 The Authority may request additional monitoring and/or review of 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.

- 1.3.17 Without prejudice to condition 1.3.16, the Authority may take any action deemed necessary including but not limited to the suspension of any activity/operation until investigations are concluded.
- 1.3.18 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 The Permit Holder shall notify the following matters to the Authority in writing at least 10 working days prior to their occurrence:
- a. Any change in the Permit Holder's trading name, registered name or registered office address;
 - 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 dates specified in that table, and shall send written notification of the date of completion of each requirement to the Authority on ced.facilities@era.org.mt within 10 working days of the completion of each such requirement.

Reference	Requirement	Deadline
1	Certification of bunding for both the fuel tank and the waste oil storage area, by an independent warranted engineer.	Within 3 months from granting of the permit
2	Provision of sheltering of outside fuel storage tank	Within 6 months from granting of the permit

2. Site Infrastructure & Equipment

2.1 General Site Infrastructure

- 2.1.1 The site perimeter shall be clearly delineated either by a chain link fence, bollards or low walls. During non-operating hours the site shall be securely closed and totally inaccessible to third parties, both by vehicle and on foot. The site must be well secured at all times.
- 2.1.2 The designated and labelled quarantine area shall be kept within the site boundary to temporarily hold unpermitted wastes that may inadvertently enter the site during acceptance/recycling operations (refer to Section 3). 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 the 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 The vehicular access paths and the areas mostly frequented by staff and visitors within the site are to be regularly wetted down or otherwise mitigated to prevent dust and waste dispersion/transportation onto public roads.
- 2.1.5 The vehicle wheel wash/ wheel dip (or similar mitigation measures) shall be maintained before the main exit of the Permitted Site so as to prevent vehicles from transporting dust and waste onto public roads.

2.2 Chemicals, oil and fuel storage, and refuelling.

- 2.2.1 All storage of materials, fuels, oils and waste shall take place only in areas with impervious ground and where thorough clean up and site reinstatement can be readily undertaken.
- 2.2.2 Containers for bulk storage of chemicals shall be properly designed, located, labelled, banded and maintained so as to prevent accidental spillage. Incompatible chemicals shall not be stored within the same bund. Storage areas shall have impervious ground and shall be banded or otherwise designed so that surface and ground waters cannot be contaminated by spillages.
- 2.2.3 All bulk liquid oil, fuel and chemical storage shall be provided with an adequately designed bund system with an impermeable base and walls, as per relevant REWS standards. The capacity of the bund shall be a minimum of 110% of the largest tank within the bund or 25% of the total volume of all the tanks within the bund, whichever is greater. Incompatible chemicals shall not be stored within the same bund. All filling and off-take points shall be located within the bund. The Permit Holder shall also ensure and take all precautions to avoid any leakages or spills from liquid or solid material.
- 2.2.4 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 daily operations log.
- 2.2.5 All small storages of oils and lubricants used for everyday site operations shall be equipped with a containment system such as drip trays in order to prevent leakages or spillages

- 2.2.6 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 extinguishers that are regularly maintained and serviced by the supplier. At any time, the storage of used tyres shall not exceed a skip load.
- 2.2.7 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.
- 2.2.8 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 waste carrier permits issued by the Authority. Receipts of such transfers and documentation from the licensed facility where this waste has been transferred to, are to be kept and provided whenever requested by the Authority's representatives. Waste oils stored in 45-gallon drums shall not exceed more than four (4) drums in volume stored at any one time. Such drums shall all be stored within the same area.
- 2.2.9 The storage of chemical products on site shall be restricted to the list submitted as part of the original application and annexed in Schedule 4 of this permit.
- 2.2.10 All fuel storage bunds shall be certified for integrity within 3 months from the granting of the permit and every 3 years thereafter.
- 2.2.11 If the Permit Holder makes use of a flexible pipe to deliver the fuel, the Permit Holder shall ensure that the following conditions are observed:
- a. The delivery end of the pipe is fitted with a pump or valve that closes automatically when not in use.
 - b. The valve or pump must be lockable and must be kept so when not in use.
 - c. The end of the pipe that leaves the tanker must be fitted with a lockable valve that must be shut when it is not in use.
- 2.2.12 Fuel delivery by road tanker shall be supervised at all times by personnel who are fully conversant with fuel filling procedures as relevant to their duties. No transferring of fuel shall occur outside the designated refuelling area.
- 2.2.13 Road tanker fuel storage compartments shall not be washed out or serviced on site.
- 2.2.14 On-site refuelling shall be carried out at a dedicated impermeable and contained area so as to ensure that any spills are easily cleaned up. Spill kits shall be readily available at this area.
- 2.2.15 Chemicals of different properties shall be stored as specified in respective SDS sheets. Such sheets shall be made available and accessible to personnel responsible for the management of the storage areas and for inspection by the Competent Authority. Incompatible chemicals shall not be stored within the same bund.

- 2.2.16 The storage of flammable, toxic and hazardous substances shall be in line with the measures specified in the Material Safety Data Sheets (SDS) for that substance and the maintenance of safety critical equipment shall correspond to manufacturer specifications
- 2.2.17 The Permit Holder shall have in storage an adequate supply of suitable absorbent material to absorb any spillage.

2.3 Maintenance Areas

- 2.3.1 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, but on impermeable ground.
- 2.3.2 All vehicle and associated crusher plant (equipment) maintenance is to be carried out on an impervious surface where a thorough clean-up of fuels, oils or any other hazardous chemical/s can be readily undertaken. Any activities that involve grit, sand or glass blasting are strictly prohibited
- 2.3.3 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. Any activities that involve grit, sand or glass blasting are strictly prohibited.
- 2.3.4 All vehicle and equipment maintenance and cleaning of vehicles and associated equipment and mechanical body parts, is to be carried out on an impervious surface where a thorough clean-up of fuels, oils or any other hazardous materials can be readily undertaken.
- 2.3.5 Any activities that involve grit, sand or glass blasting are strictly prohibited.

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 (Schedule 2) within four (4) weeks of the installation, and annually, as per condition 4.4.2.
- 2.4.2 All plant equipment and technical means used in operating the Permitted Installation shall be maintained in a good operating condition and without causing polluting emissions, leaks and spillages. Maintenance records of the above shall be kept by the Permit Holder and shall be made available to officers of the Authority for review upon request.
- 2.4.3 All equipment, including the concrete batching plant and cold asphalt plants, are to be operated in accordance with the manufacturer recommendations, so as to minimise the release of dust, volatile organic compounds and other gaseous products to air, land, water and groundwater.

3. Operational Procedures

3.1 Waste Acceptance

- 3.1.1 This site is authorised to accept waste for processing as listed in Schedule 1. Sludge's or dredged material/s is/are prohibited from entry.
- 3.1.2 Any mixed wastes are to be separated prior to being recycled on site. Any mixed wastes inadvertently entering the site are to be separated from inert waste prior to being processed/crushed.
- 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 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/recycling area upon clearance from the site entrance/weighbridge operator and start unloading the waste in the locations indicated by the staff. 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 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 are 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 and 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 recycled, the staff on site are 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 are to take note of the truck registration plates, date, time and load content.
- 3.1.9 In the event that staff on site are 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 are 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 separated non-inert is not to exceed the capacity of the approved quarantine area.

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, as designated in Schedule 1 of this Permit.
- 3.2.3 All wastes shall be stored within a designated impermeable 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.
- 3.2.4 No waste designated for disposal is permitted for a period exceeding 12 months. No storage of waste destined for recovery is permitted for a period exceeding 3 years.
- 3.2.5 The storage of Hazardous Waste generated on site only shall comply with the requirements of S.L. 549.45 - the Waste Management (Activity Registration) Regulations.
- 3.2.6 Liquid and hazardous wastes 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.
- 3.2.7 Unless otherwise agreed with Authority, all stockpiles are to be located and managed in such a way as to avoid contamination of air or water through wind or run off respectively.

3.3 Crushing of inert waste material

- 3.3.1 The recycling of inert waste shall be done through mechanical crushers equipped with a dust suppression system as per approved document EP 0067/19/DOC1.
- 3.3.2 Crushing of inert material and scarified waste 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 1.3.16 and 3.5.4. The Authority may also request implementations of further dust abatement measures as deemed necessary.
- 3.3.3 The inert material that results from 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.
- 3.3.4 The separated non-inert waste shall not exceed the capacity of the approved quarantine area.
- 3.3.5 The recycled material shall be stockpiled in an area protected from strong winds and from water surface runoff. Where technically feasible, such areas of stockpiling shall be kept covered.

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 (including rejects, expired products and other wastes) shall be managed in 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 or surface water, burying or deposition on land is prohibited, unless specifically approved through a Variation of this Permit.
- 3.4.6 Each movement of hazardous waste transferred off site and every individual movement of hazardous waste shall also be covered by a valid consignment permit and consignment note, obtainable from the Authority.
- 3.4.7 Disposal certificates shall be kept on record and made available for inspection for a period of at least five (5) years from date of their issue and shall be made available, upon request, to the authority.
- 3.4.8 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.

3.5 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 Cement silos and crushers shall be equipped with effective dust suppression equipment that limits dust generation. Such equipment shall be maintained on a regular basis (as per manufacturer specifications) so as to ensure 100% efficiency (of equipment). Records of maintenance on such dust suppression equipment shall be kept in line with Section 4.2 and 4.3 of this permit.
- 3.5.3 Emissions to air shall only arise from the emission points specified in Table 3.5.3, as per description in the submitted Environmental Permit Application.

Table 3.5.3 : Emission points to air	
Emission point references ¹	Source
PS 1	Mechanical Crusher
PS 2	Stockpiles
PS 3	Concrete Batching Plant
PS 4	Cold-Mix Asphalt Plant
PS 5	Cement Silos (3 in total)
PS 6	Standby Generator

According to Section 7 of the Environmental Permit application.

- 3.5.4 The Authority may request monitoring of emissions to air listed in Table 3.5.3 which shall be undertaken in accordance to the terms of reference provided by the Authority.
- 3.5.5 ERA recommends that diesel (gas oil) generators, boilers and fixed crushers shall have a sulphur content of not greater than 0.1%.
- 3.5.6 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.
- 3.5.7 In the event of windy conditions and/or in the case of failure of the dust mitigation measures specified in approved document EP0067/19/DOC1, leading to abnormal emissions within and beyond the site boundary, the Permit Holder shall cease all operations until the cause is identified and corrective/remedial action is taken.
- 3.5.8 The Permit Holder shall submit certification for the stand-by generator (PS6) referred to in table 3.5.3 by an independent warranted engineer showing that the generator is in good working condition every four years. The certifications shall be submitted as part of the Annual Environmental Report (AER).
- 3.5.9 Should the Permit Holder intend to install equipment which could lead to additional emissions to air (e.g. generator, boiler, etc.), a variation of this Permit must be secured prior to installation and operation of this equipment.
- 3.5.10 Sampling and analysis of polluting substances and measurements of process parameters shall be based on methods enabling reliable, representative and comparable results. Methods complying with harmonised EN standards shall be presumed to satisfy this requirement.
- 3.5.11 All 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 effect.
- 3.5.12 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.

- 3.5.13 Further to condition 3.5.12, 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.
- 3.5.14 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.
- 3.5.15 The Permit Holder shall prevent or where that is not practicable, minimise fugitive emissions of substances to air from the Permitted Installation. Particular areas of the operation which may generate dust shall be regularly wetted down to mitigate dust emissions onto the surroundings.

3.6 Effluent discharges

- 3.6.1 No discharges to surface waters, land or groundwater shall take place at the installation.
- 3.6.2 The Permit Holder shall undertake all necessary measures and precautions to prevent spillage of raw materials, intermediates, products, waste, such as waste oils, lubricant oils and any other materials that may potentially contaminate the environment.
- 3.6.3 All process and storage areas must be appropriately contained. Spillages of oil or other hazardous material shall receive immediate attention to prevent escape to drain, surface water, 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.
- 3.6.4 Effluents consisting of solids (from such sources as washing of vehicles such as ready-mix delivery vehicles etc.) must pass through an adequately sized settlement tank.
- 3.6.5 The volume of contaminated storm water shall be minimised by such means as:
- Mechanical sweeping of dusty/dirty areas of the site on a regular basis
 - Directing stormwater away from production/storage areas
 - Installing sediment barriers in stormwater courses
- 3.6.6 Storm water from areas where contamination is likely (such as loading/unloading areas) must pass through an adequately sized settlement tank.
- 3.6.7 The Permit Holder shall ensure that all cesspits catering for industrial effluent are constructed and maintained as per S.L. 549.45 - the Waste Management Regulations.
- A) Cesspits 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;
 - B) Cesspits are appropriately designed to avoid the accumulation of explosive, toxic or corrosive gases;

- C) The area surrounding the cesspit should be covered with impervious material and laid to fall towards the cesspit.
- 3.6.8 The cesspit within the installation shall be maintained and certified as per specifications listed in condition 3.6.9 by a competent professional. Records of regular maintenance and emptying of any cesspit shall be kept for a minimum period of 5 years and be made available, upon request, to the authority.

4. Site Management

4.1 Staff Obligations and Responsibilities

- 4.1.1 All employees authorised by the Permit Holder to undertake waste management activities on their behalf, shall be fully conversant with the obligations of this permit and shall be individually aware of their responsibilities and liabilities in observing the conditions of this permit. They shall be provided with adequate professional technical development and training and written operating instructions to enable them to effectively carry out duties.
- 4.1.2 At all times during recycling / general operations, there shall be:
- a. At least one employee controlling the entrance of the site and visually inspecting incoming waste during recycling operations,
 - b. One employee to operate crushers.
- 4.1.3 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.
- 4.1.4 Where the Permit Holder is also the designated TCP for the facility, a delegate TCP should also be appointed to represent the Permit Holder/TCP during times when the Permit Holder/TCP will not be available.
- 4.1.5 The TCP is responsible for the implementation of all the obligations stipulated in this permit, must supervise the rest of the staff on site and shall be the Permit Holder's technical focal point for the implementation of the conditions of this permit including during inspections. The TCP is completely responsible to ascertain that all permit conditions are being adhered to and that unauthorised waste does not enter the site.
- 4.1.6 In the event of any short or long periods of leave of absence taken by the TCP for a period exceeding 10 days or change in the TCP, the Permit Holder is obliged to find a replacement for that member of staff without delay and the Authority informed accordingly.
- 4.1.7 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.
- 4.1.8 All staff shall be fully conversant with those aspects of the Permit conditions, which are relevant to their duties.
- 4.1.9 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.

- 4.1.10 The Permit Holder shall conduct any monitoring programme/s as may be required by the Authority after consultation with the Malta Resources Authority to ensure that the quality of groundwater in the area is not compromised in the event of an environment hazard.
- 4.1.11 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, Debris & Emissions

- 4.2.1 The Permit Holder is to wet or sweep the road leading to the facility (or take any other necessary measure) at least three (3) times a day 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 of recycled waste
 - d. Total amount in tonnes and specific waste stream transferred from site.
 - e. 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.
 - f. Records related to Section 4.2;
 - g. Any other incidents that the Permit Holder deems important to record in the Site daily operations log;
 - h. Any complaints related to the operations at the site

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 recycled/reused, their registration plate, date and time of entrance and the tonnage of each vehicle.
- 4.3.3 The Permit Holder may wish to establish an Environmental Management System (EMS) to facilitate compliance with permit conditions and to assist in formalising procedures required by this permit. An EMS can take the form of a standardised system (e.g. EN ISO 14001:2015 or

EMAS) or a non-standardised (“customised”) system, provided that is properly designed and implemented. Guidance for a non-standardised (“customised”) system is included in Schedule 5 of this permit.

4.4 Reporting

- 4.4.1 All reports and written and/or verbal notifications required by this Permit shall be made and sent to the Authority addressed to the Enforcement and Compliance Directorate, Environment Protection Directorate.
- 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 (2 weeks or more), the TCP or Permit Holder are obliged to notify the Authority within two (2) days and are also to inform the Authority with regards to when the works are intended to resume.
- 4.4.4 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, as approved by the Civil Protection Department, shall be maintained containing details of the location, nature and quantity of chemicals, oils and fuels stored, any special hazards, a drawing showing location of drains and the emergency phone numbers of the Permit Holder and relevant authorities. It shall also include actions to be taken in the case of incidents which could affect the environment, such as fires and chemical/fuel spills. The emergency plan shall indicate that accidental releases of chemicals and fires caused by chemicals are to be managed as specified in the respective MSDS sheets.
- 4.5.2 In the case of an accident (e.g. chemical spills, etc.), the Permit Holder shall follow the Emergency Response Plan referred to in Condition 4.5.1 and, in the case that such accident could be regarded as causing environmental damage or as posing a threat of environmental damage, the Permit Holder shall notify the Authority within 24 hours.

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 any of the activities listed in condition 1.1 of this permit ceases unexpectedly and/or 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 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.
- 5.4 All obligations of this permit shall subsist until such time that the Authority notifies the Permit Holder in writing that all obligations and conditions of the permit have been fulfilled without prejudice to any liabilities and third party rights.
- 5.5 Upon receiving official documentation from the Authority that confirms the cessation of activity at the site, the Permit Holder is automatically responsible and liable in pursuing his 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

01 04 08	Waste gravel and crushed rocks other than those mentioned in 01 04 07
01 04 09	Waste sands and clays
01 04 13	Wastes from stone cutting and sawing except those mentioned in 01 04 07
17 01 01	Concrete, except that mentioned in 17 01 06
17 01 02	Bricks
17 01 06	Mixtures of, or separate fractions of concrete, bricks, tiles and ceramics containing dangerous substances
17 01 07	Mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
17 03 01*	Bituminous mixtures containing coal tar
17 03 02	Bituminous mixtures other than those mentioned in 17 03 01
17 03 03	Coal tar and tar products
17 05 04	Soil and stones other than those mentioned in 17 05 03 (excluding soil and stones from contaminated sites)

Schedule 2

Annual Environment Report and Submissions

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: 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		
		Sub-Total		
Section 2	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)		
		Sub-Total		
Section 3	Material Output (after waste treatment of C&D waste)	Aggregates for concrete		
		Aggregates for roadworks		
		Crushed material as torba		
		Crushed material for backfilling		

		Other (please specify type)		
		Sub-Total		
	Material Output (after waste treatment of Excavation waste)	Aggregates for concrete		
		Aggregates for roadworks		
		Crushed material as torba		
		Crushed material for backfilling		
		Sub-Total		
Section 4	Waste Output (resulting after treatment) - <i>Ex: Wood, plastic, metals</i>	Total amount (please specify destination)		

S2.2.2 Waste Records (waste removed from site)

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

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

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

S2.3 Fuel Consumption Data

Equipment ²	Fuel type	Fuel Consumption	Units
			tonnes
			tonnes

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

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

2.4 Incidents and Complaints

S2.4.1 Non-Compliance Incidents during Reporting Year

Date of incident	Brief description of Incident	Cause	Corrective action

Total number of non-compliance incidents for the previous reporting period: ³	
Total number of non-compliance incidents for the current reporting period:	

S2.4.2 Complaints made by the public or through Authority

Date of complaint	Description of complaint	Actions taken

Total number of complaints for previous reporting year: ⁱ	
Total number of complaints for current reporting period:	

S2.5 Submission of Certifications

Condition Number	Documentation
1.5.1	Submission of Improvement programme item
2.4.1	Certification of Weighbridge every year
3.5.8	Certification of standby Generator every four (4) years
3.6.14	Certification of cesspit every four (4) years once installed
4.3.1	Submission of waste records ever year

Applicant's declaration

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

.....
Name
(in block letters)

.....
ID Card Number

.....
on behalf of / in my own name
(in block letters)

.....
Signature

.....
Date

Schedule 3A
Site Plan

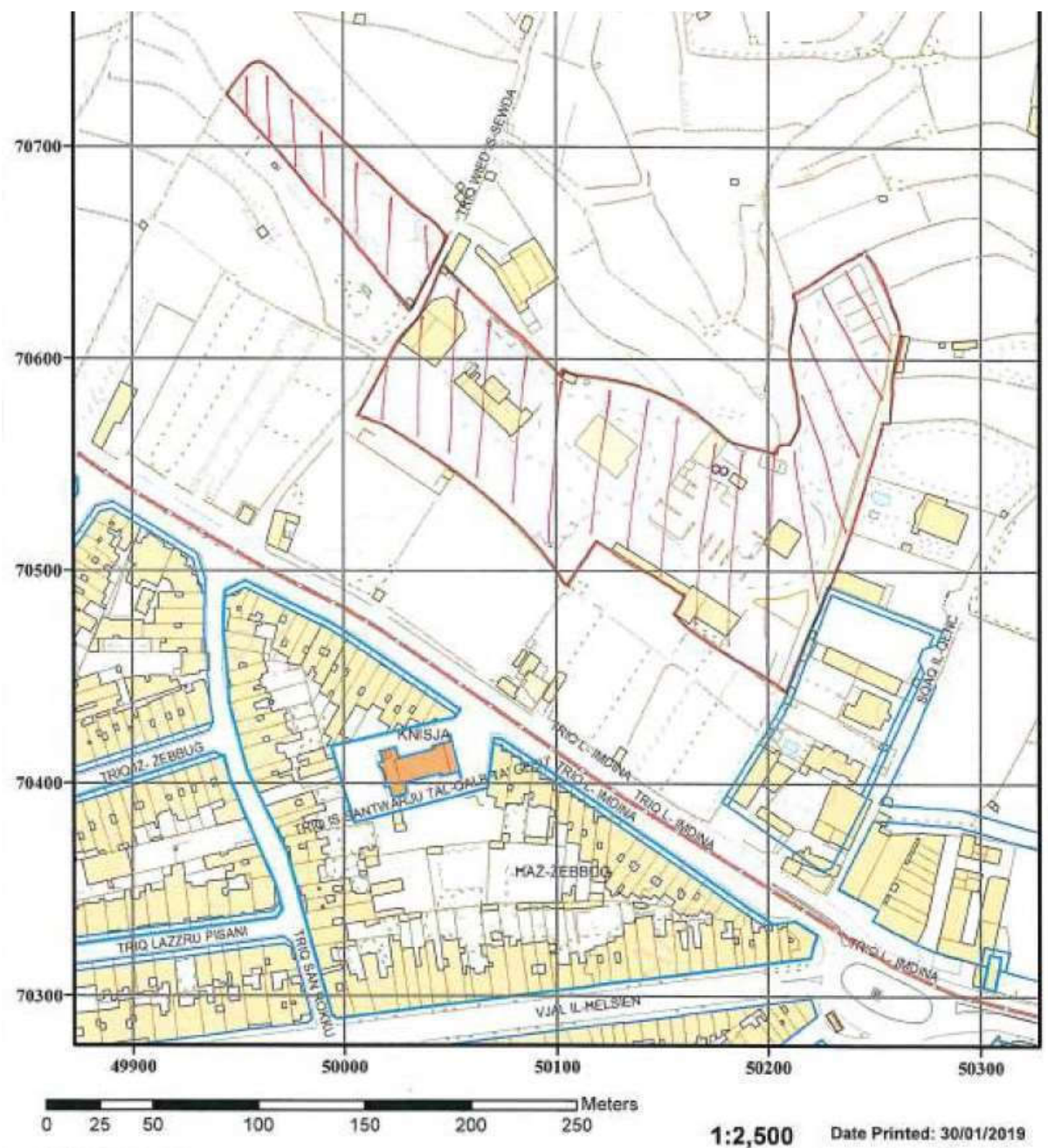


Fig 3A; Site plan showing extent of area authorised for activities specified in Condition 1.1.1 in Red Outline

Schedule 3B Site Layout Plan

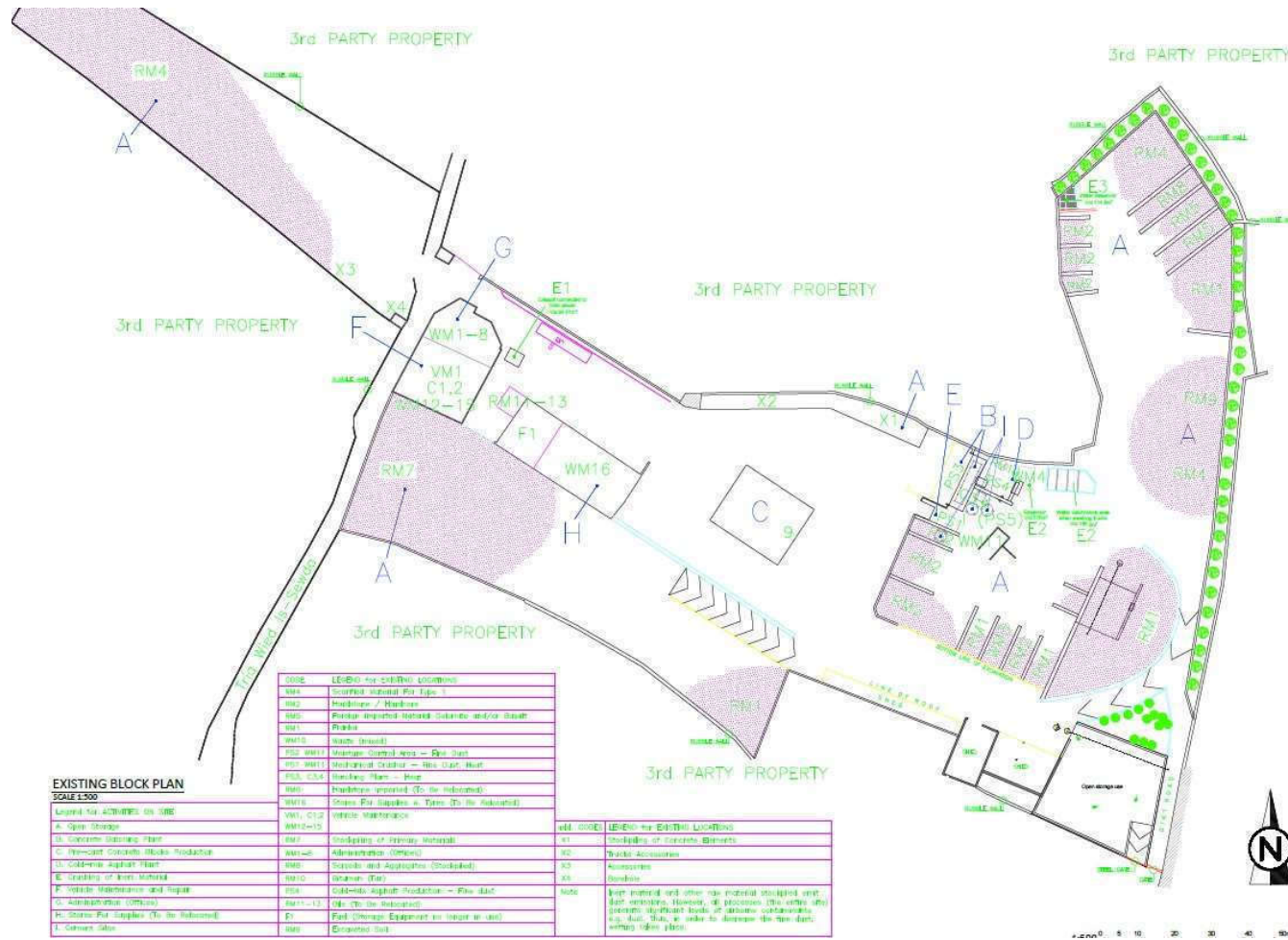


Fig 3B; Site layout plan showing extent of area authorised for activities specified in Condition 1.1.1

Schedule 4

Complete List of Chemical Products Stored on Site

[REDACTED]

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

[REDACTED]

- [REDACTED]
- [REDACTED]

Schedule 5

Minimum requirements for an Environment Management System (EMS)

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

1. Management and Reporting Structure

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

2. Environmental Objectives and Targets

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

- a. Recycling of materials;
- b. Minimisation of waste;
- c. Efficient use of resources (especially water and energy);
- d. Use of biodegradable chemicals;
- e. Minimising use of solvents;
- f. Procedures to minimise noise disturbance to neighbours;
- g. Phasing out of CFCs and ozone-depleting substances, if any.

Targets should be set for priority areas identified (e.g. minimising waste generation by a predetermined percentage 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 Permit Holder 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 Permit Holder 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 Permit Holder should establish and maintain procedures for identifying training needs, and for providing appropriate training, for all personnel whose work can have a significant effect upon the environment. Appropriate records of training should be maintained.

7. Maintenance Programme

The Permit Holder 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