Environmental Permit

Environment Protection Act (CAP. 549)

Permit number
EP 0040/22

Approved Documents:
EP 0040/22/DOC1
EP 0040/22/DOC2
EP 0040/22/DOC3
EP 0040/22/DOC4
EP 0040/22/DOC5

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) and applicable subsidiary legislation referred to in this permit, hereby authorises:

Mr. Karl Cilia on behalf of Water Services Corporation

Of / Whose Registered Office is at:

Water Services Corporation
Qormi Road
Luqa LQA 9043

to operate a Reverse Osmosis plant at:

Ċirkewwa Reverse Osmosis Plant
Triq il-Marfa c/w Triq il-Latnija
Mellieha

The permit is valid for (1) **one year** from the date below.

Signed	Date
Perit Vincent Cassar Chairperson	Permit Granted: 17/07/2023

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.

1.1 Permitted Operations

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

Table 1.1.1

Operation	Description of specified operation	Limits of specified operation
Desalination of sea water	Operation of a reverse osmosis plant to produce fresh water for local supply.	From receipt of seawater from sea-wells, to delivery of utility and discharge of brine reject to sea.
Associated operation of utilities	Fifteen (15) sea-wells	From extraction of seawater to delivery of utility to reverse osmosis
	Storage and utilisation of two (2) tonnes of chlorine gas at any one time and sulphuric acid.	From receipt of chemical to use in facility operations.
	One (1) diesel stand-by generator to produce electricity with associated fuel tank.	From receipt of fuel to delivery of energy.
Maintenance operations	Routine maintenance on equipment in situ and other maintenance and repairs in mechanical and electrical workshops.	From maintenance/repair activity to appropriate recovery/disposal of any waste created.
Associated operation of storage, and disposal/recovery of waste materials	Handling, storage, and of wastes generated from installation prior to dispatch offsite for disposal/recovery.	From generation of waste to dispatch for disposal or recovery (including recycling) offsite by registered waste carriers to an authorised facility.

1.2 Site

1.2.1 The operations authorised under condition 1.2.1 shall not extend beyond the Site boundary, as per Site Map in Schedule 4 to this Permit with the authorised layout plans as defined in the **Approved Document EP 0040/22/DOC1.**

1.3 General Conditions

1.4.1 Whenever there is a conflict between the conditions of this Permit and approved documents, the conditions of the Permit shall prevail.

1.4.2 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.

1.4.3 A copy of this permit including any Variation Notice and amendments to it shall be available at the place of work, at all times for reference by all staff carrying out work subject to the requirements of the Permit.

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

1.4.5 The site shall be maintained in a tidy condition, free from litter and waste (whether arising from own activities or external sources).

1.4.6 Site must be well secured at all times.

1.4.7 The Permit Holder shall maintain a register of third-party complaints. The register shall record the name and address of the complainant(s), the date, source and nature of the complaint and the corrective action undertaken, where such action proves necessary.

1.4.8 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. The Permit Holder shall keep maintenance records as per Section 3 of this Permit.

1.4.9 The Permitted Installation shall be managed, controlled, supervised and operated by staff who are aware of the importance of environmental protection and suitably trained on the requirements of this Permit, in particular on those permit conditions relevant to their duties. All staff shall be provided with adequate training and written operating instructions to enable them to effectively carry out their duties. Such training shall be recorded and maintained in line with Condition 3.1.

1.4.10 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.

1.4.11 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 rate and arrangement communicated by ERA's Compliance and Enforcement Directorate.

1.4.12 Without prejudice to condition 1.4.13, the Authority may take any action deemed necessary including but not limited to the suspension of any activity/operation until investigations are concluded.

1.4.13 The Authority's representatives may inspect and photograph any part of the site and ask for any closed or locked areas to be opened and may demand to be provided with any proof, documentation, plans, receipts or any other records.

1.4.14 The Authority may add, amend, delete or substitute any of the conditions of this permit after notifying the Permit Holder of its intention and after describing the changes to the Permit Holder. This is without prejudice to any prevailing circumstances that would preclude the Authority from following such a procedure.

1.4.15 The validity of this permit is until one (1) year from the date of the Permit Granted. The Permit Holder may renew the permit upon application with the Authority expressing his/her intention at least six (6) months prior to the expiry of the permit. The permit will be considered renewed once the official renewed permit is issued by the Authority.

1.4.16 The permit is issued against a Bank Guarantee of €9,600. The guarantee is covered in accordance with the Letter of Undertaking covering Government Projects ref MF35/05/160. This guarantee will have to be maintained throughout the validity of the permit. Following renewal and/or variations to this permit, the Authority may require amendments to the Bank Guarantee.

1.4.17 The Authority may withdraw 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. Withdrawal 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 withdraw 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 withdrawal. The Bank Guarantee shall only be released upon confirmation with the permit conditions by the Authority.

1.4.18 In cases where the bank guarantee does not cover the expenses incurred by the Authority to take remedial action on the Permit Holder' behalf, the Permit Holder is to financially reimburse the Authority of all the expenses incurred within.

1.4.19 The Authority may suspend or revoke this environmental permit in line with the provisions of CAP549.

1.4.20 The Authority may request additional monitoring and/or review of the operational practices and commission audits on the installation as deemed necessary to address any circumstances that may affect the quality of the surrounding environment at the expense of the Permit Holder.

1.4.21 The Permit Holder shall undertake all necessary measures and precautions to prevent spillage of raw materials, intermediates, products, waste and any other materials.

1.4.22 In case of any monitoring requirements specified in this permit, there shall be provided safe means of access to enable sampling/monitoring to be carried out by the Authority or by a third party if deemed necessary.

1.4 Operational changes

1.4.1 The Permit Holder may apply for a variation in permit and shell seek the Authority's written agreement prior to any operational changes, by sending to the Authority:

a) Written notice of the details of the proposed change, including an assessment of its possible effects (including changes in emissions and waste production) on risks to the environment from the Permitted installation;
b) Any relevant supporting information (e.g. chemical/fuel consumption, technical details, changes in the type/use of substances/mixtures, etc.);
c) Any relevant supporting assessments and drawings, and;
d) The proposed implementation date.

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

1.4.2 The Permit 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 1.6.1 by the date specified in that table, and shall send written notification of the date of completion of each requirement to the Authority`s Compliance and Enforcement Directorate within 10 working days (of the completion of such requirement).

Table 1.6.1: Improvement programme

Reference	Requirement	Deadline
4	Submission of noise monitoring results as per EP 0040/22/DOC5 to determine any impact on avifauna and if necessary a plan to reducing the amount of external noise on site.	Within 6 months of granting of the permit
5	a) Submission of a lighting plan indicating the different lighting arrangement throughout the installation including a timeframe for upgrading of lighting in line with conditions 2.3.1 and 2.3.2. b) Upgrade of lighting in order to reduce the glare on the surrounding environment in line with conditions 2.3.1 and 2.3.2 and timeframe for	a) Within 3 months of granting of the permit b) Within a timeframe as agreed with the Authority

	submission of lighting study required in point c below. c) Submission of lighting study to assess the effectiveness of the upgrades as indicated in b. above	 c) Within a timeframe as agreed with the Authority
7	Submission of a certificate from a third party warranted engineer or civil architect for the sulphuric acid storage area and filling point bunding in accordance with condition 2.5.1. Such bunds shall be adequately sheltered to prevent rainwater ingress.	Within 6 months of granting of the permit

2 Operating conditions

2.1 Emissions to air

2.1.1 All processes which generate significant levels of airborne contaminants (such as dusts, gases, odorous chemicals) shall have effective local collection and shall discharge (after treatment where necessary) through a stack or vent located and/or designed in such a way as to avoid local effect.

2.1.2 Emissions to air shall only arise from the emission points specified in Table 2.1.1, as per **Approved Document EP 0040/22/DOC1.**

Table 2.1.1: Emission point to air

Emission Point Reference[1]	Source
PS1	Generator
PS2	Calcium hydroxide storage area

2.1.3 ERA recommends that diesel (Gas oil) used for the generator shall have sulphur content not greater than 0.1%.

2.1.4 Only gas oil satisfying Condition 2.1.3 shall be utilised as a source of fuel for the generator. Any change in fuel type shall require the notification and approval of the Authority prior to commencement of its utilisation.

2.1.5 Every four years, the operator shall submit certification for the stand-by generator (PS1) by an independent warranted engineer showing that the combustion plant is in good working condition. Certifications shall be submitted as part of the Annual Environmental Report (AER).

2.1.6 The exhaust from general building ventilation (e.g. extractors or fans in walls or roofs) shall be vented in such a way as to avoid adverse environmental effects and in accordance with applicable legislation in this regard.

[1] According to Section 6 of the Environmental Permit application

2.1.7 Should the Permit Holder intend to install equipment which could lead to additional emissions to air (e.g. boiler, etc.), a variation of this Permit must be secured prior to installation and operation of this equipment.

2.1.8 In the event of non-compliance causing immediate danger to the environment, operation of the activity must be suspended and the Competent Authority informed within 24 hours. 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.

2.1.9 Further to Condition 2.1.8, 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.

2.1.10 All abatement equipment and ducting shall be cleaned and maintained, and record of such maintenance is to be kept in accordance with Condition 1.4.8 of this permit (as per manufacturer specifications).

2.1.11 The Permit Holder shall prevent or where that is not practicable reduce fugitive emissions of substances outside dedicated areas. Any alternative techniques to be applied by the Permit Holder shall be no less effective than those applied within the installation and shall be approved in writing by the Authority prior to their implementation.

2.2 Effluent discharges

2.2.1 The operations shall not hinder the achievement of the environmental objective of any protected area or for the relevant water body as established in the Water Policy Framework Regulations (S.L. 549.100) and the Flora, Fauna and Natural Habitats Protection Regulations (S.L. 549.44).

2.2.2 The Permit Holder shall not allow the introduction into groundwater of any substance included in the Regulations for the Protection of Groundwater against pollution and deterioration (S.L. 549.53). The Permit Holder shall also not allow any discharges to groundwater for substances other than those specified in the Regulations unless specifically permitted by the Malta Resources Authority.

2.2.3 In case of contamination to the seawater body (including but not limited to scum, foam, particulates or other residual matter) resulting from the permitted operations at the installation, the Permit Holder is to ensure that the polluting activity is immediately stopped, contamination contained, collected and disposed of at authorised facilities.

2.2.4 Discharges to the marine environment shall only take place through the discharge point specified in Table 2.2.4, as marked in **Approved Document EP 0040/22/DOC1**.

Table 2.2.4: Emission point to marine environment		
Emission Point Reference[1]	**Source**	**UTM coordinates (WGS 84)**
E1	Brine reject	35° 59' 12.8" N 014° 20' 13.4" E

2.2.5 Monitoring of E1 prior to discharge to sea shall be carried out in line with the effluent monitoring plan in **Approved Document EP 0040/22/DOC3**, and at the frequency indicated in table 2.2.5.

Table 2.2.5 Emission limits to the marine environment			
Emission point reference	**Parameter**	**Limit**	**Frequency**
E1	pH	6 - 10	Minimum of 3 sampling exercises with replicates per annum, taking into account seasonal and operational variations.
	Total dissolved solids (TDS)	N/A (mg/l)	
	Salinity	N/A (psu)	
	Dissolved oxygen	N/A (% Saturation O_2)	
	Temperature	5°C above ambient at outlet	

2.2.6 The parameters and limits specified in Table 2.2.5 may be subject to revision by the Authority, as deemed necessary. These limits shall not be used as means of selecting the detection limits of the equipment or analytical method to be used.

2.2.7 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. All analysis shall be conducted by a laboratory accredited to at least EN ISO 17025:2017 (or in the process of accreditation, as confirmed by the National Accreditation Body (NAB-Malta) or equivalent). In the case of in-situ monitoring, analysis shall be conducted via appropriately calibrated instrumentation. A copy of the laboratory's accreditation certificate and a valid calibration certificate for all instrumentation are to be provided to the Authority as part of the AER.

2.2.8 The results obtained may require the Permit Holder to submit an action programme to the Authority aimed at reducing the emission limits of certain parameters, as deemed necessary by the Authority.

2.2.9 The effluent monitoring results shall be submitted as part of the Annual Environmental Report. The information contained in this report shall be prepared in accordance with the format specified in Schedule 1.

[1] According to Section 6 of the Environmental Permit application

2.2.10 The Permit Holder shall submit a report with the results based on the requirements of **Approved Document EP 0040/22/DOC4** as part of the Annual Environment Report.

2.2.11 Foul sewer drains must be strictly segregated from storm water drains.

2.2.12 Rainwater from areas where contamination by oil or chemicals is likely (such as loading/unloading and bunded areas) shall pass through an adequately sized interceptor.

2.2.13 The Permit Holder shall make sure that sampling, chemical analysis and any statistical data analyses is carried out according to the requirements in Schedule XI of S.L. 549.100.

2.2.14 The Permit Holder shall maintain a flow meter for the effluent line indicated in Table 2.2.4. This data shall also be recorded and reported in line with Schedule 1.

2.3 Lighting conditions

2.3.1 All exterior lighting installed on site shall be as far as technically possible as agreed with the Authority horizontally aligned, downward pointing, fully-shielded and full cut-off. No luminaire globes, uplighters and/or high-level floodlighting are allowed.

2.3.2 Lighting shall be of low-intensity 'warm light' colour with a temperature not exceeding 3000K unless otherwise required for health, safety and security reasons, as confirmed by the Authority.

2.3.3 There shall be no continuous lighting during hours of darkness, other than those required for health, safety and security reasons. In this regard, all external lighting shall be intruder-triggered/with motion-sensors.

2.4 Waste

Waste storage and handling

2.4.1 All operations concerning the management of waste are subject to Subsidiary Legislation 549.63, Waste Management Regulations and Subsidiary Legislation 549.45, Waste Management (Activity Registration) Regulations.

2.4.2 All wastes shall be stored within a designated and controlled storage area(s) prior to ultimate disposal.

2.4.3 Wastes produced at the Permitted Installation shall be recycled, reused or recovered unless technically and/or economically impossible.

2.4.4 Wastes to be recycled shall be stored in a designated container or area and shall not be mixed with other wastes

2.4.5 Liquid and hazardous wastes shall be stored in a labelled, closed containers within the designated and controlled storage areas prior to ultimate disposal. Wastes of different natures and having different European Waste Catalogue codes as established by Commission Decision 2000/532/EC and any subsequent amendments shall not be mixed in the same container.

2.4.6 All wastes leaving the site must be sent to facilities permitted to accept the individual waste stream, either locally or abroad.

2.4.7 Packaging material and containers which came into contact with hazardous substances shall be regarded as hazardous waste and shall be disposed of in an appropriate manner.

2.4.8 No storage of waste destined for disposal is permitted for a period exceeding 12 months and storage of waste destined for recovery is not permitted for a period exceeding 3 years.

2.4.9 No storage of waste, equipment or materials s permitted on property outside the site premises. However, non-hazardous waste awaiting collection may be placed outside the site premises for a period not exceeding 6 hours.

2.4.10 On-site disposal of wastes by any means including burning, disposal to surface water, discharge to sea or burying or deposition on land, is prohibited.

2.4.11 The Permit Holder is to prevent litter or other wastes escaping from the site boundaries, particularly during loading/unloading. Any such escape of waste shall be collected immediately upon detection.

2.4.12 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 activity 38 of Schedule 1 of Subsidiary Legislation 549.45, the Waste Management (Activity Registration) Regulations. Where the company removes wastes using its own transport the vehicle(s) must also be registered as a waste carrier in accordance with S.L. 549.45 or any statutory provisions or regulations amending or replacing them.

2.4.13 The Permit Holder shall be committed to reduce waste generation where possible.

2.4.14 The Permit Holder shall ensure to keep records for every consignment of waste removed from the Site indicating the EWC Code, description, quantities, date of removal, contractor name (including for transport), consignment note number (where applicable) and manner and place of final disposal/recovery.

2.4.15 Should the Permit Holder require the services of a waste broker, it shall be ensured that any such broker is a duly registered waste broker in accordance with Subsidiary Legislation 549.45.

2.4.16 Movement of hazardous waste to authorised facilities shall be covered by a valid consignment permit obtainable from the Competent Authority. Each movement shall also be covered by a consignment note obtainable from the Authority.

2.4.17 The Permit Holder shall ensure to keep records for every consignment of hazardous wastes, or other wastes, as deemed necessary by the Authority, removed from the Site indicating the EWC (code, description, quantities, date of removal, contractor name (including transport), consignment note number (where applicable) and manner and place of final disposal/recovery.

2.4.18 Disposal certificates shall be kept on site and made available for inspection for a period of at least 3 years from date of their issue.

2.4.19 Prior to initiating any waste export procedure, the Permit Holder shall check with the Competent Authority in the country of export, to ensure that the correct export code/s according to the relevant Annexes of Regulation No 1013/2006 on shipments of waste are being applied.

2.4.20 Without prejudice to condition 2.4.19, transboundary movement of waste shall be carried out in accordance with the following regulations, as amended from time to time:

a. Regulation (EC) N° 1013/2006 of the European Parliament and of the Council of 14 June 2006 on shipments of waste as implemented through SL 549.65;

b. Commission Regulation (EC) N° 1418/2007 of 29 November 2007 concerning the export for recovery of certain waste listed in Annex III or IIIA to Regulation (EC) N° 1013/2006 of the European Parliament and of the Council to certain countries to which the OECD Decision on the control of transboundary movements of waste does not apply, and

c. Any other applicable legislation.

2.5 Storage

2.5.1 All bulk liquid oil and fuel storage tanks shall be provided with an adequately designed bund system with an impermeable base and walls. The capacity of the bund shall be a minimum of 110% of the largest tank within the bund or 25% of the total volume of all the tanks within the bund, whichever is greater. All filling and off-take points shall be located within the bund. The Permit Holder shall also ensure and take all precautions to avoid any leakages or spills from liquid or solid material.

2.5.2 The Authority may request that bunds on site are tested and certified to be leak-proof by an independent, warranted architect or engineer.

2.5.3 Bulk storage tanks for chemicals and fuels and associated bunding and pipe work shall be visually inspected at least once a month. Such records shall be kept and made available to the authority upon request.

2.5.4 There shall be no direct or indirect discharge to the environment of bund water which exceeds a pH range between 6-10, as monitored using a calibrated instrument prior to discharge.

2.5.5 Bund valves for sulphuric acid tanks shall be securely locked at all times and only opened to discharge clean rainwater after testing for pH and event has been recorded accordingly with date, time, pH level and full name of operator.

2.5.6 Drums and containers of solvents, oils or any other chemicals shall be stored in designated and secure storage areas. Storage areas shall be designed so that surface and ground waters cannot be contaminated by spillages.

2.5.7 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.

2.5.8 The storage of chemicals above 1 tonne at any one time shall be limited to the chemicals listed in **Approved Document EP 0040/22/DOC2**. The utilisation of other chemicals above this volume shall be subject to approval by the Authority.

2.6 Other Operations on site

2.6.1 All maintenance involving oils and lubricants shall be carried out inside or in covered areas to ensure that no substances enter the storm water drains during rainfall.

2.6.2 Maintenance activities involving oils, lubricants and chemicals shall only be carried out within the areas having floors impermeable to petroleum intrusion and in a manner where any accidental spills shall be immediately contained and collected.

2.7 Ozone Depleting Substances and Fluorinated Greenhouse Gases

2.7.1 No new equipment or components (including refrigeration and firefighting equipment or insulation foam) containing substances falling within the scope of EC Regulation No. 1005/2009 on substances that deplete the Ozone Layer & S.L. 549.58 on substances that deplete the Ozone Layer, regulations 2007, shall be installed within the site.

2.8 Accident prevention and control

2.8.1 An Emergency Response Plan 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 SDS.

2.8.2 In the case of an accident (e.g. chemical spills, etc.), the Permit Holder shall follow the Emergency Response Plan referred to in Condition 2.8.1 and shall notify the ERA within 24 hours.

2.8.3 Spillages of chemicals or other hazardous material shall receive immediate attention to prevent escape to drain, surface water or land. Spilled material shall be disposed of in an appropriate manner. Kits for the collection of liquid and powder spills shall be available on site at strategic locations.

2.8.4 The Permit Holder shall have in storage an adequate supply of suitable absorbent material to absorb any spillage.

2.9 Technically Competent Person

2.9.1 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.

2.9.2 The TCP is responsible for the implementation of all the obligations stipulated in this permit, must supervise the rest of the staff on site and shall be the Permit Holder's technical focal point for the implementation of the conditions of this permit including during inspections.

2.9.3 Attendance of the Technically Competent Person(s) TCP shall be recorded on arrival and departure.

2.9.4 The TCP is to be present on site within one hour following a request by the Authority. The TCP/s or his/their delegate shall be present on site during the loading/unloading of fuel from road tankers. Contact details of such delegates shall be made available to the Authority upon request. In the event that a TCP and/or appointed delegate terminates her/his employment, another person shall be appointed immediately and the Authority shall be informed of this change.

2.9.5 In the event of any leave of absence taken by the TCP and delegate conjointly for a period exceeding 10 days, the Permit Holder is obliged to find a replacement for that member of staff without delay and the Authority informed accordingly.

2.9.6 Any changes in technically competent management (person/s) and the name of any incoming person together with evidence that such person has the required technical competence shall be submitted to the Authority in writing within 5 working days of the change in management.

2.9.7 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 operations are intended to resume.

2.10 Closure and Decommissioning

2.10.1 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.

2.10.2 In the event of cessation of operations on the site, the Permit Holder shall remain responsible for all wastes and hazardous materials on site, which shall be removed from the site in accordance to good environmental practice and in such a manner that minimises environmental risks.

2.10.3 The Decommissioning Plan shall be implemented once approved by the Authority and within 12 months of final cessation of operations or as agreed with the Authority in writing.

2.10.4 The obligations arising from this permit shall subsist until the Authority confirms in writing that the decommissioning plan has been implemented to its satisfaction.

2.10.5 When deemed necessary, the Authority may require the Permit Holder to take such additional measures as it considers necessary with respect to after care obligations in relation, but not limited to the remedial action, rehabilitation, and monitoring of the waste management or waste production site.

2.10.6 In the event of cessation of operations of any plant and equipment specified in this Permit and/or which is integral to the carrying out of the permitted operations, the Permit Holder shall notify the Authority about the type of equipment, its intended fate and details of the transferee.

Unless the plant/equipment shall be transferred off-site in its current state, the Permit Holder shall submit a plan to the Compliance and Enforcement Unit which shall include the following details:

1. The appointed contractor or other competent person who shall carry out any works (e.g. cleaning, dismantling etc.).
2. A complete inventory of all the materials that shall be dismantled/removed, including waste streams classified according to their respective EWC code as per S.L. 549.63. and details on the manner in which waste will be managed. Waste resulting from depollution shall also be included.
3. The proposed cleaning, dismantling and transport procedures
4. Precautions and mitigation measures during such works to prevent spillages and other potential emissions to the environment.
5. Timeframes associated with the implementation of this plan.

For any plant/equipment and/or parts thereof which shall not be considered as waste in accordance with S.L. 549.63, The Waste Regulations, a certificate of good working order from an independent warranted engineer shall be submitted to the Compliance and Enforcement Unit following any works that may be necessary at the Permitted installation.

3 Site Records

3.1 The Permit Holder shall ensure that all records required to be made by this Permit and any other records made by it in relation to the operation of the Permitted Installation shall:

a. Be made available for inspection by the Authority at any reasonable time;
b. Be supplied to the Authority on demand and without charge and in the format requested;
c. Be legible;
d. Indicate any amendments which have been made and shall include the original record wherever possible; and
e. Be retained at the Permitted Installation or other location agreed by the Authority in writing, for a minimum period of 3 years from the date when the records were made, unless otherwise agreed in writing.

3.2 Records shall be kept secure and shall be available for inspection at the Site when required by an authorised officer of the Authority. This shall include a daily record of the following events:

a. Any incidents that took place on site such as mechanical faults in the machinery or equipment used on site, any spills, fires, etc. and the remedial action.
b. Any maintenance and inspections carried out on machinery and equipment.
c. Any defects or damage to the Site Security System.
d. Any other incidents that the Permit Holder deems important to record.
e. Total amount of waste in kilos removed from site for disposal or further treatment.

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

3.4 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 a non-standardised ("customised") system, provided that is properly designed and implemented. Guidance for a non-standardised ("customised") system is included in Schedule 3 of this permit.

4 Reporting

4.1 The Authority shall be informed within 24 hours in the event of an environmental hazard or major incidents.

4.2 The Permit Holder shall submit to the Authority an Annual Environmental Report (AER) of the previous year by not later than end of March of each year, providing the information listed in Schedule 1 of this Permit and in the format specified therein.

4.3 The Permit Holder shall notify the Competent Authority immediately on becoming aware of any factor that has prevented or may prevent compliance with any of the conditions of this permit. Details of the factor and why compliance has been or may be prevented shall be provided.

5 Notifications

5.1 The Permit Holder shall notify the Authority without delay of:-

a. The detection of an emission of any substance which exceeds any limit or criterion in this Permit specified in relation to the substance;
b. The detection of any fugitive emission which has caused, is causing or may cause significant pollution unless the quantity emitted is so trivial that it would be incapable of causing significant pollution;
c. The detection of any malfunction, breakdown or failure of plant or techniques which has caused, is causing or has the potential to cause exceedances of the emission limit values stipulated in the permit; and
d. Any accident which has caused, is causing or has the potential to cause significant pollution.

5.2 When submitting notifications under 5.1, the Permit Holder shall send the following to the Authority:-

a. The information listed in Part A of Schedule 2 to this Permit within 24 hours of such notification; and
b. The more detailed information listed in Part B of Schedule 2 as soon as practicable.

5.3 The Permit Holder shall give written notification as soon as practicable prior to any of the following:-

a. Permanent cessation of the operation of part or all of the Permitted Installation;

b. Cessation of operation of part or all of the Permitted Installation for a period likely to exceed 1 year; and
c. Resumption of the operation of part or all of the Permitted Installation after a cessation notified under condition 5.3.a.

5.4 The Permit Holder shall give written notification as soon as practicable prior to any of the following:-

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 ultimate holding company (including details of an ultimate holding company where a Permit Holder has become a subsidiary).

Schedule 1

Annual Environmental Report

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

S1.1 Introduction

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

S1.2.1 Fuel Consumption Data

Equipment [1]	Fuel type	Fuel Consumption	Units
			tonnes
			tonnes

S1.3 Off-site transfers of hazardous waste

Date of transfer	EWC Code[2]	Quantity of waste (kg)	Consignment note number and/or TFS (Transfrontier Shipment of waste) reference number	Ultimate destination

S1.4 Off-site transfers of non-hazardous Waste

Date of transfer	EWC Code[3]	Quantity of waste (in kg)	Ultimate destination	Name(s) of registered waste carrier used during reporting year

[1] E.g. Boiler, generator, vehicles, etc.
[2] European Waste Catalogue Code (Reference: *Commission decision 2000/532/EC establishing a list of wastes*)
[3] European Waste Catalogue Code (Reference: *Commission decision 2000/532/EC establishing a list of wastes*)

S1.5 Submissions of certificates and documentation

Submission	Tick (✓)
A copy of the laboratory accreditation certificates and/or a valid instrument calibration certificate for all the instrumentation as per condition 2.2.7	
Biological monitoring report in accordance with Section 2.2.10	
Certification of good working order for the generator by an independent warranted engineer[1]	

[1] To be submitted in 2025

S1.6 Monitoring Data

S1.6.1 Emissions to the Marine Environment

Parameter	Emission point reference	Limit Value	Unit	Standard methodology used	Concentration (Annual Average)	Total Annual Load	Total annual number of exceedances [1]
Temperature	E1	5˚C above ambient at outlet	˚C				
pH	E1	6-10	pH Units				
Total dissolved solids (TDS)	E1	N/A	mg/l				
Salinity	E1	N/A	PSU				
Dissolved oxygen	E1	N/A	% Saturation O_2				

[1] If the total number of exceedances exceeds 0, the value of each of these exceedances (for the reporting year) must be submitted in a separate report, together with action taken to regularise the situation.

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 2

Notification of abnormal emissions

This page outlines the information that the Permit Holder must provide to satisfy conditions 5.1. and 5.2 of this Permit.

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

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

Part A

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

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

Measures taken, or intended to be taken, to stop the emission	

Part B

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

Name[1]	
Post	
Signature	
Date	

[1] authorised to sign on behalf of Permit Holder

Schedule 3

Minimum requirements for an Environment Management System (EMS)

An EMS may 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;

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

3. Environmental Management Programme (EMP)

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

a. Designation of responsibility for targets;
b. The means by which they may be achieved;
c. The time within which they may be achieved.

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

4. Documentation

A system of documentation should be established to ensure that records are kept of the priority areas chosen according to point 2. In addition, the 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 nonconformity 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 an effect on 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.

Schedule 4

Site Map

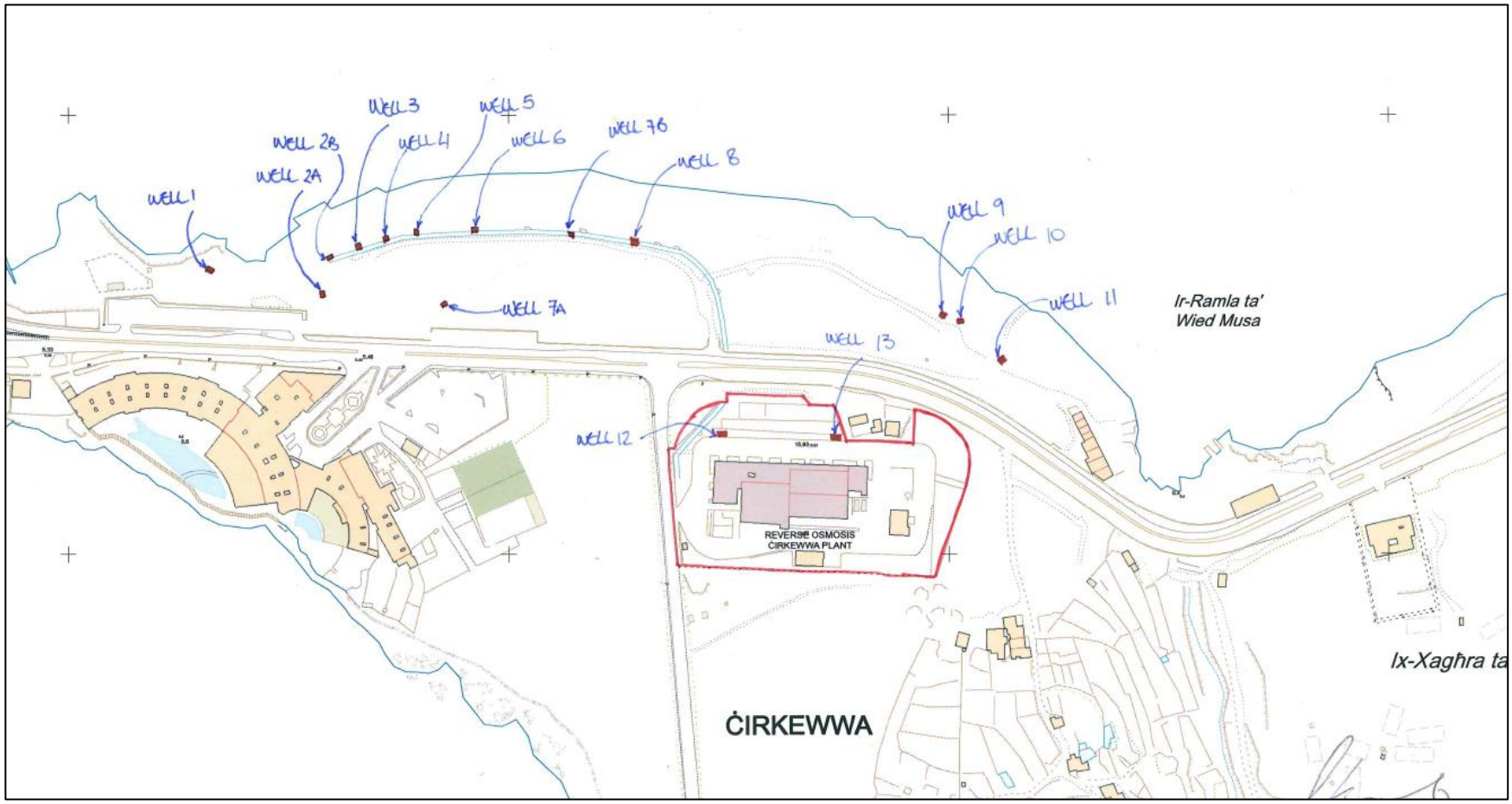

Figure S6.1: Site of permitted installation, showing the extent of the area in a red outline for the carrying out of the activities specified in condition 1.1.1. The extent of the site boundary is indicative and shall not be used for interpretation purpose.

END OF PERMIT