

Environmental Permit

Environment Protection Act (CAP. 549)

Permit number

EP 00031/25

Approved Documents:

EP 00031/25/DOC37D

EP 00031/25/DOC37F

EP 00031/25/DOC62A

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:

Marine Aquatic Limited (hereinafter “the Permit Holder”),

Company Registration number: **C 52988**

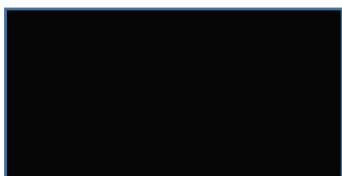
Of / Whose Registered Office is at:

Marine Aquatic Limited
Malta National Aquarium
Triq it-Trunciera, Qawra,
St. Paul’s Bay,
SPB1500

to operate an installation at:

Malta National Aquarium
Triq it-Trunciera, Qawra,
St. Paul’s Bay,
SPB1500

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

Signed	Date
 Unit Manager (Env. Permitting) f/Director Regulatory Affairs	Permit Granted: 25/06/2026

Authorised to sign on behalf of the Competent Authority

Conditions

1 General

The permitted installation shall be managed, controlled and operated in line with the conditions of this Permit.

1.1 Permitted Operations

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

Table 1.1.1 – List of permitted operations

Operation	Description of specified operation	Limits of specified operation
Category 2.12 of S.L. 549.172: Operations with a discharge of trade effluent to sea, land, storm or rainwater drains or culverts, falling within the scope of the Water Policy Framework Regulations (SL 549.100)	Discharge of trade effluent via seawells: Public exhibit of livestock tanks, quarantine livestock tanks and seawater/non-potable water holding tanks.	From receipt of livestock, abstraction of seawater from two seawells and receipt of non-potable water via bowers for use in livestock and quarantine livestock tanks to discharge of effluent into a seawell. This includes the disposal of animal carcasses to authorised facilities locally or abroad and treatment of animals in quarantine livestock tanks by authorised personnel as required.
Category 1.32 of S.L. 549.172 – Operations covered by the Limitation of Emissions of Certain Pollutants into the air from Medium Combustion Plants Regulations (L. 549.122)	Operation of one (1) new stand-by diesel generator with a serial number 24W9043517. Rated thermal input of combustion plants is less than or equal to 5 MWth.	From receipt of fuel to delivery of electricity.
Associated operations of utilities	One (1) diesel tank	From receipt of diesel to storage and burning of fuel in the combustion plants.
	Cooling water system – three (3) chillers	From input of sea water from two seawells to delivery of utility and discharge of effluent into a seawell.
	One (1) reverse osmosis (RO) plant	From input of mains water and seawater from seawell to RO (reverse osmosis) through sand filters prior delivery of utility and

		discharge of brine reject from RO and backwash effluent from sand filters into a seawell.
	Two (2) seawells	From abstraction of seawater to delivery of utility for chillers, RO plant and livestock tanks.
	One (1) seawell	Solely for discharge of brine reject waters and backwash effluent from RO plant and associated sand filters, pool backwash effluent and effluent from chillers.
	One (1) seawell	Solely for the discharge of effluent from exhibit and quarantine livestock tanks.
	Two (2) freshwater pools	From receipt of water from reservoir containing non-potable water via bowzers and rainwater and its storage in the reservoir, to discharge of chlorinated backwash effluent to seawell after temporary storage in backwash effluent tanks.

1.2 Improvement Programme

- 1.2.1 The Permit Holder shall complete the improvements specified in Table 1.2.1 by the date specified in this Table and shall send written notification of the date of completion of each requirement to the Authority's Compliance and Enforcement Unit within ten (10) working days (of the completion of each such requirement).

Table 1.2.1: Improvement Programme		
Reference	Requirement	Deadline
11.	Installation of flowmeters for effluent discharge points ED1, ED5 and ED7a in line with condition 3.2.5.	Within six (6) months of the permit's granting

1.3 Site specific conditions

- 1.3.1 All areas for depositing and storing animal by-products and carcasses shall have impervious surfaces, graded to drain into onsite collection pits for safe storage.
- 1.3.2 Animal by-products and carcasses shall be stored and transported in fully enclosed containers to prevent odours and spillage.
- 1.3.3 Animal by-products and dead or fallen animals are to be transported to appropriately permitted receiving facilities.

- 1.3.4 There shall be no significant offensive odour, as perceived by an Authorised Officer of the Competent Authority, outside the boundary of the installation.
- 1.3.5 The Permit Holder shall take the necessary measures to prevent any material or organism which may pose an environmental risk, whether chemical or biological, from being transferred to the natural environment.
- 1.3.6 The Permit Holder shall ensure that species listed in Schedule 4 shall remain under the procession of the Malta national Aquarium unless authorised in advance by the Authority.

2. Site Infrastructure and Operations

2.1 Site Infrastructure

- 2.1.1 The operations authorised under condition 1.1.1 shall not extend beyond the Site, as shown on the Site Map in Schedule 1 (a) to this permit.

3. Operating conditions

3.1 Effluent Discharges

- 3.1.1 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).
- 3.1.2 The Permit Holder shall not allow the introduction into groundwater of any substances included in the Regulations or the Protection of Groundwater against pollution and deterioration (S.L. 549.53). The Permit Holder shall not allow any discharges to groundwater for substances other than those specified in the Regulations unless specifically permitted by the Authority.
- 3.1.3 All plant, equipment, and associated abatement systems associated with discharges to sea shall be maintained in good working order and in accordance with the manufacturer's specifications and maintenance schedules.
- 3.1.4 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:
- a) The polluting operation is immediately stopped;
 - b) Contamination is contained, collected and disposed of at authorised facilities; and
 - c) The Authority is informed immediately on ceu.notifications.era@era.org.mt.
- 3.1.5 Discharges to the marine environment shall only take place through the discharge points specified in Table 3.1.5, as marked in Schedule 1(b), as per the description in the Environmental Permit application.

Table 3.1.55: Discharge points to the marine environment		
Emission reference¹	Effluent type and source	Geo-referenced co-ordinates in decimal degrees (WGS84)

¹ According to Section 6 of the application

ED1	Exhibit and quarantine fish tanks	35.95876 N, 14.42304 E
ED2	Chillers cooling water	35.95869 N, 14.42292 E
ED5	Pool backwash effluent	
ED7a	Reverse osmosis brine reject	
ED7b	Reverse osmosis sand filter backwash	

- 3.1.6 The Permit Holder shall install flowmeters at any point along the discharge points ED1, ED5 and ED7a indicated in Table 3.1.5. This equipment is to be maintained and calibrated as per manufacturer's specifications and records shall be kept as per condition 4.1.1. Data from the flow meters shall be recorded and reported in line with Table S2.5.2 of Schedule 2 as part of the Annual Environment Report.
- 3.1.7 In case of constraints inhibiting the operation of a flow meters, the Authority shall be informed within one week from the occurrence. The alternative means of measurement or calculation or, where not possible, estimates for the Total Annual Load of pollutants specified in Table S2.5.2 shall be sent to the Authority for approval. The proposal shall also include justifications as to why readings from the flow meter(s) could not be provided in line with condition 3.1.6. If the alternative method proposed is approved by the Authority, data shall also be recorded and reported in line with Schedule 2 as part of the Annual Environment Report.
- 3.1.8 Backwashing of sand filters and discharge of effluent ED7b shall take place at least every two (2) weeks. Records of backwashing cycles shall be kept in line with condition 4.1.1.
- 3.1.9 No chemicals other than hydrochloric acid and calcium hypochlorite shall be used in the pool. The utilisation of other chemicals shall be subject to approval by the Authority.
- 3.1.10 Monitoring of ED1 as described in the approved document **EP 00031/25/DOC37F** and ED2, ED5 and ED7a prior to discharge to sea shall be carried out on an annual basis for the parameters listed in Table 3.1.10. Sampling with replicates shall take place at least three (3) times during the year and is to reflect seasonal and operational variations.

Table 3.1.10: Emission limits to the marine environment			
Emission point reference	Parameter	Limit	Frequency
ED1	pH	6-10	Minimum of 3 sampling exercises with replicates shall take place between December and February, once in May or October,
	Salinity	n/a	
	Temperature	40°C or 5°C above ambient. Whichever lowest	
	Total Nitrogen	10 mg/L	
	Ammonium	n/a	
	Orthophosphates	n/a	
	Total Phosphorus	1 mg/l	
	COD	125 mg/l	
	BOD	25 mg/l	
	Total suspended solids (TSS)	35 mg/l	
ED2	Temperature	5°C above ambient at outlet	

ED5	Temperature	5°C above ambient at outlet	and once in July or August.
	Free chlorine	0.3 mg/l	
	Total suspended solids (TSS)	35 mg/l	
	pH	6-10	
ED7a	Temperature	5°C above ambient at outlet	
	Total dissolved solids (TDS)	N/A (mg/l)	
	Salinity	N/A (psu)	
	Dissolved oxygen	N/A (% saturation O2)	
	pH	6-10	

- 3.1.11 The parameters, limits and frequency specified in Table 3.1.10 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.
- 3.1.12 The Permit Holder shall ensure that chemical analysis is carried out by a laboratory accredited to at least EN ISO 17025:2017 and preferably for every test listed in Table 3.1.10. The Permit Holder shall submit a report with the effluent monitoring results, including a copy of the laboratory's accreditation certification, in the Annual Environmental Report (AER). Certificates of analyses are to be submitted with monitoring results.
- 3.1.13 In the case of monitoring that makes use of multi-parametric probes, these are to be calibrated as per instrumentation standard. A copy of latest certification is to be submitted to the Authority together with the monitoring results.
- 3.1.14 The effluent monitoring results obtained may require the Permit Holder to submit an action programme to the Authority aimed at reducing the emissions of certain parameters described in the approved document **EP/00031/25/DOC37D**, as deemed necessary by the Authority.
- 3.1.15 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 2.
- 3.1.16 The Authority may request additional monitoring to assess any impacts on the marine environment as result of the discharge of effluent to sea which may be undertaken by the Authority at the Permit Holder's expense.
- 3.1.17 Foul sewer drains must be strictly segregated from storm water drains.
- 3.1.18 Rainwater shall be segregated from all process areas that are potentially contaminated. If this is not possible, rainwater from areas where contamination by fuels, oils or chemicals is likely shall pass through an adequately sized interceptor or other suitable filtration equipment.
- 3.1.19 The Permit Holder shall make sure that sampling, chemical analysis and any statistical data analysis is carried out according to the requirements in Schedule XI of S.L. 549.100 (Water Policy Framework Regulations).

3.1.20 Process effluents shall not be diluted prior to off-site transfer.

3.2 Emissions to Air

3.2.1 Industrial combustion plant G1 shall comply with the provisions of S.L. 549.122 (Limitation of emissions of certain pollutants into the air from Medium Combustion Plants Regulations) and any other applicable subsidiary legislation.

3.2.2 Emissions to air shall discharge (after treatment where necessary) through a stack or vent located and/or designed in such a way as to avoid local effect with a minimum height of 3 metres above roof level.

3.2.3 Emissions to air from generator G1 shall only arise from the emission points specified in Table 3.2.3.

Table 3.2.3 : Emission points to air	
Emission point references ¹	Source
PS1	Temporary stand-by generator (G1)

3.2.4 Only diesel (EN590) shall be utilised as a source of fuel generator G1 (PS1) referred to in Table 3.2.3. 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 a variation of this permit as per conditions 5.1.17 and 5.1.18 prior to the commencement of its utilisation.

3.2.5 ERA recommends that diesel (EN590) shall have a sulphur content not greater than 0.1%.

3.2.6 The limits for emissions to air for the parameters and emission points set out in table 3.2.6 shall not be exceeded. The limits are defined at a temperature of 273.15 K, a pressure of 101.3 kPa, after correction for the water vapour content of the waste gases and at a standardised O₂ content of 15%.

Table 3.2.6: Monitoring of emissions to air					
Emission point reference	Source	Monitoring frequency	Pollutant	Emission limit value (mg/Nm ³)	Abatement
PS1	G1	Every 3 years	NO _x	190	None
35.95860(N), 14.42371(E)			CO	/	

3.2.7 The first measurement shall be taken within four (4) months of the granting of the permit and according to the frequency stated in table 3.2.6. Monitoring shall be carried out as described in the Approved Document **EP00031/25/DOC62A** for G1. During each measurement, the plant shall be operating under stable conditions at a representative even load. In this context, start-up and shutdown shall be excluded. The Authority reserves the right to require an increase in the frequency of such measurements.

3.2.8 The Permit Holder shall ensure that chemical analysis is carried out by a third-party laboratory accredited to at least EN ISO 17025:2017 and preferably for every test listed in Schedule 2 (Table S2.5.1). The Permit Holder shall submit a report with the monitoring results, including a copy of the laboratory's accreditation certification, in the Annual Environmental Report (AER). Certificates of analyses are to be submitted with monitoring results. In the case of

¹ According to Section 7 of the Environmental Permit application.

monitoring that makes use of multi-parametric probes, these shall be calibrated per instrumentation standard. A copy of latest calibration certification is to be submitted to the Authority together with the monitoring results.

- 3.2.9 The Permit Holder shall maintain a record of the operating hours of each combustion plant.
- 3.2.10 Following submission of the AER for the previous reporting year, should the amount of operating hours of the generators be less than 500 hours, as a rolling average over three (3) years for generator G1, the Permit Holder may apply with the Authority for an exemption from the emission limit values set out in Table 3.2.6 by submitting the information in Schedule 3.
- 3.2.11 Unless exempt from compliance with the emission limit values, should the emission limit values in Table 3.2.6 be exceeded, as part of the AER, the Permit Holder is to propose measures that will be taken to ensure compliance with the emission limit values.
- 3.2.12 In the event of malfunction leading to abnormal emissions, the Permit Holder must:
- a) investigate immediately and undertake corrective action;
 - b) adjust the process or activity to minimise those emissions;
 - c) record the cause of malfunction and actions taken; and
 - d) in the event of non-compliance causing immediate danger to the environment, suspend operations and inform the Competent Authority within 24 hours.

3.3 Storage, Accident Prevention and Control

- 3.3.1 All fuel storage tanks, including tanks within the plant, shall be provided with an adequately designed bund system with an impermeable base and walls. The capacity of the bund shall be a minimum of 110% of the largest tank within the bund or 25% of the total capacity of all the tanks within the bund, 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.
- 3.3.2 Any liquid from within the bund shall be emptied under supervision. Should the liquid be visually observed to be contaminated with an oily film, the liquid is to be collected and disposed as hazardous waste.
- 3.3.3 Drums and containers of oils or lubricants shall be stored in designated and secure storage areas. Storage areas shall be bunded or otherwise designed so that surface and ground waters cannot be contaminated by spillages.
- 3.3.4 Spill response kits shall be maintained on site in sufficient quantities and strategic locations, and any spill or accidental release shall be immediately contained, collected, and managed to prevent contamination of drains, surface water, groundwater, or land. In any incident of environmental significance, the Permit Holder shall minimise environmental impact, notify ERA and other relevant authorities within 24 hours, and implement any investigations, remedial actions, or preventive measures required by the Authority.

4 Site Management

4.1 Site records and archive

4.1.1 A site daily operations log shall be made in a legible manner 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 five (5) years:

- 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 taken;
- b) Any other incidents that the Permit Holder deems important to record in the Site daily operations log;
- c) Any complaints related to the operations at the site;
- d) Any maintenance and inspections carried out on machinery and equipment; and
- e) Any defects or damage to the site security system; and
- f) Any instances when the pools are emptied and prior to the refilling of the pools.

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 where the Authority representative request to inspect them.

4.1.2 The Permit Holder shall maintain a record of the skills and training requirements for all staff whose tasks in relation to the permitted installation may have an impact on the environment and shall keep records of all relevant training.

4.1.3 The operator shall endeavour to maintain the Environmental Management System (EMS) in place.

4.1.4 The Permit Holder shall maintain records of the medicines administered to all specimen and their quantities including information about the medical conditions for which they were subscribed. This information shall be submitted each year as part of the Annual Environmental Report (AER).

4.1.5 Records of each specimen arriving at and/or leaving the installation, including the rationale behind such movement, must be always kept at the facility and forwarded to the Authority on a quarterly basis [every three (3) months] along with a consolidated report at the end of each calendar year. All reports are to be submitted by not later than a calendar month following the end of each reporting period and shall be sent to the attention of the Compliance and Enforcement Unit.

4.2 Reporting

4.2.1 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 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.

4.2.2 All reports and written and/or verbal notifications required by this permit shall be made and sent to the Authority addressed to the Compliance and Enforcement Unit, Environment and Resources Authority.

- 4.2.3 The Permit Holder shall provide a reply to any clarifications which the Authority may have about any documentation or submissions made within the timeframe stipulated by the Authority.

4.3 Closure and decommissioning

- 4.3.1 The Permit Holder shall notify the Authority prior to ceasing operations permanently in part or full. All equipment, materials and waste must be removed from the site and managed in an environmentally sound to the Authority's satisfaction. Final decommissioning shall be carried out within twelve (12) months of final cessation.
- 4.3.2 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.
- 4.3.3 When deemed necessary, the Authority may require the Permit Holder to take such additional measures as it considers necessary with respect to after care obligations in relation but not limited to the remedial action, rehabilitation, and monitoring of the waste management or waste production site.

5 General conditions

- 5.1.1 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.
- 5.1.2 All terms within this Permit, associated conditions and their respective interpretations are identical to those listed within in CAP. 549 Environment Protection Act and its subsidiary legislations.
- 5.1.3 The Authority may carry out pre-set or unannounced compliance or monitoring compliance checks and take any actions necessary in line with CAP 549, at the Permit Holder's expense.
- 5.1.4 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.
- 5.1.5 The Permit Holder shall maintain a register of third-party complaints. The register shall record the details of complainant(s) if available, the date, source and nature of the complaint and the corrective action undertaken, where such action proves necessary.
- 5.1.6 The Permit Holder, or a designated representative(s), shall be fully aware of all Permit conditions and ensure continuous compliance. All personnel involved in permitted activities must be trained, instructed, and aware of their duties, including measures to prevent or address environmental hazards. The Permit Holder shall ensure operations are supervised by staff competent in environmental protection and shall also notify the Authority of any temporary cessation of operations.
- 5.1.7 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.

- 5.1.8 The Permit Holder shall notify the Authority of any change in the Permit Holder's trading name, registered name or registered office address and shall apply for a variation to the Permit. The above is to be done at least ten (10) working days prior to their occurrence.
- 5.1.9 This permit is granted against a bank guarantee of **€13,000** 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.
- 5.1.10 The Authority may withdraw funds from the bank guarantee for any breach of permit conditions, instructions, or legal obligations under the Act or its subsidiary legislation. This does not preclude further enforcement action by ERA. If funds are withdrawn, the Permit Holder shall replenish the guarantee within two (2) months. Release of the Bank Guarantee is subject to the Authority's confirmation of full compliance.
- 5.1.11 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.
- 5.1.12 A copy of this permit shall be available at all times at the permitted facility including any Variation/Modification Notices to it.
- 5.1.13 Without prejudice to condition 5.1.10 the Authority may take any action deemed necessary including but not limited to the suspension of any activity/operation until investigations are concluded.
- 5.1.14 The Authority may suspend or revoke this environmental permit in line with the provisions of CAP. 549.
- 5.1.15 Whenever there is a conflict between the conditions of this Permit and approved documents, the conditions of the Permit shall prevail.
- 5.1.16 The Permit Holder may apply for a modification in Permit and shall seek the Authority's written agreement prior to any operational changes, by sending to the Authority:
- Written notice of the details of the proposed change, including an assessment of its possible effects (including changes in emissions and waste production) on the environment from the Permitted Installation;
 - Any relevant supporting information (e.g. chemical/fuel consumption, technical details, changes in the type/use of substances/mixtures, etc.);
 - Assessments and drawings, and;
 - The proposed implementation date.

Any such change shall only be implemented following the issue of a modification of the Permit by the Authority.

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

Schedule 1(a)

Site Map

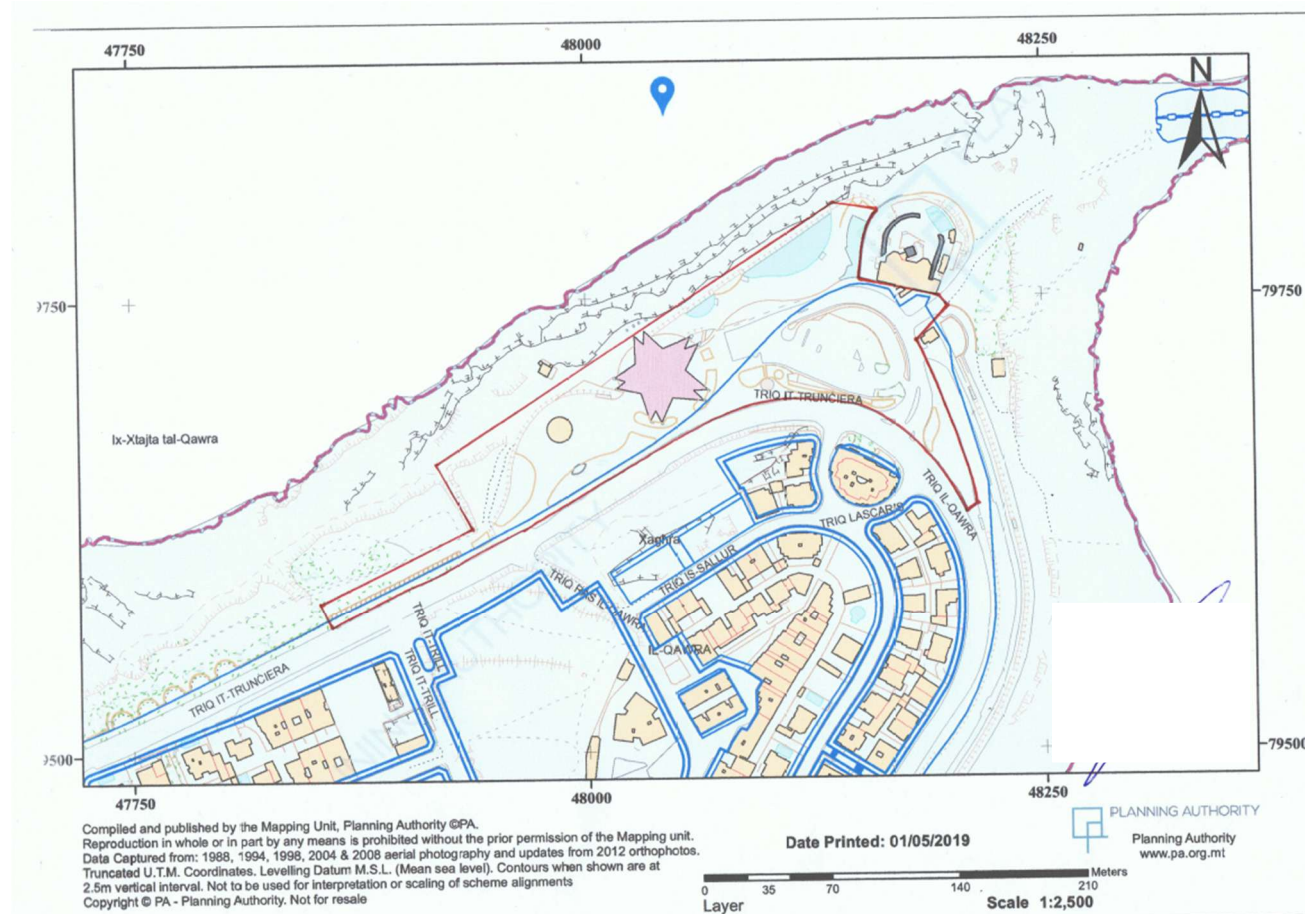


Fig. S.1.1: Site of the permitted installation, showing the extent of the area outlined in red to undertake the operations specified in condition 1.1.1. The extent of the site is indicative and shall not be used for interpretation purposes.

Schedule 1(b)

Site Layout Plan – Emission to air, seawalls and fill point

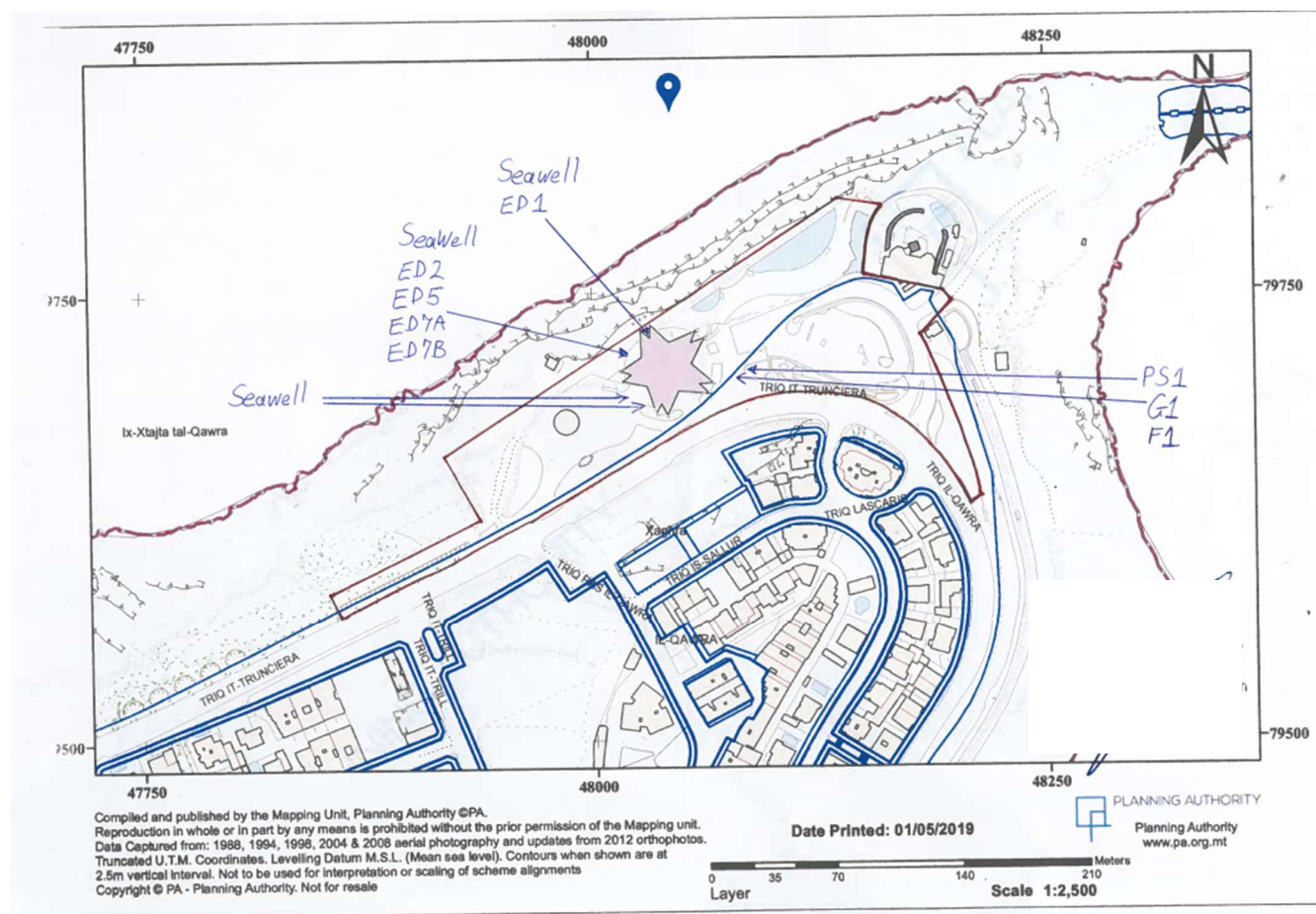


Fig.S1.2: Site layout plan showing the location of emission points to the air and seawells from the installation and the location of the generator and the fill point. The location points are indicative and shall not be used for interpretation purposes

Schedule 2

Annual Environmental 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 operations at the site	

S2.2 Fuel used

	G1
Fuel type	
Quantity of fuel used annually	

S2.3 Annual operating hours

	G1
Annual operating hours	
Volumetric waste gas flow rate (Nm ³ /hour)	

S2.4 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:	
Total number of non-compliance incidents for the current reporting period:	

S2.4.2 Complaints made by the public or through the Authority

Date of complaint	Description of complaint	Actions taken

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

S2.5 Monitoring Data

S2.5.1 Emissions to the atmosphere

Parameter	Emission point reference	Limit Value (mg/Nm ³)	Standard methodology used	Type of monitoring (in-situ / at an accredited lab)	Measurement Error	Concentration (Annual Average)			Total Annual Load ¹		
						Unit	Previous reporting period	Present reporting period	Unit	Previous reporting period	Present reporting period
NOx	PS1	190				mg/Nm ³			Kg		
CO		/				mg/Nm ³			kg		

Name of laboratory(ies) where tests in this section were carried out (as applicable)	
Accreditation certificate of laboratory that carried out the emission monitoring AND/OR a valid instrument calibration certificate	

¹ Total Annual Load (kg) = Volumetric flow rate $\left(\frac{\text{Nm}^3}{\text{hr}}\right) \times \text{Concentration} \left(\frac{\text{kg}}{\text{Nm}^3}\right) \times \text{Number of hours in a year (hr)}$

S2.5.2 Emissions to the Marine Environment

Emission point reference	Effluent	Parameter	Emission Limit Value	Standard methodology used	Concentration				Total annual number of exceedances ¹	Unit	Flow rate (m ³ /hr)	Total annual load (kg)
					December/ February exercise	May/ October exercise	July/ August exercise	Annual Mean ²				
ED1	Exhibit and quarantine fish tanks	pH	6-10							-		/
		Salinity	n/a						/	psu		
		Temperature	40°C or 5°C above ambient, whichever lowest							°C		
		Total Nitrogen	10							mg/l		
		Ammonium	n/a							-		
		Orthophosphates	n/a							-		
		Total Phosphorous	1							mg/l		
		COD	125							mg/l		
		BOD	25							mg/l		
		TSS	35							mg/l		
ED2	Cooling water from chillers	Temperature	5°C above ambient at outlet							°C		/
		Ambient temperature at outlet	n/a						/	°C		/

ED5	Pool backwash	Free chlorine	0.3							mg/l		
		Total suspended Solids (TSS)	35							Mg/l		
		pH	6-10							-		/
		Temperature	5°C above ambient at outlet							°C		/
		Ambient temperature at outlet	n/a						/	°C		/
ED7a	RO brine	Temperature	5°C above ambient at outlet							°C		/
		Ambient temperature at outlet	n/a						/	°C		/
		pH	6-10							-		/
		Total dissolved solids (TDS)	N/A						/	mg/l		
		Salinity	N/A						/	psu		
		Dissolved oxygen	N/A						/	% saturation O2		

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 (table S2.5.3) to regularise the situation.

2 Annual average (mean) per parameter of the 3 sampling exercises as per condition 3.1.10 and 3.1.11

S2.5.3 Corrective Action (to be compiled if emission limit values in Section S2.5 are exceeded)

Emission Point Reference	Proposed Action (may include reference to additional documentation)
e.g. PS_ / ED_	

S2.6 Submission of certificates/reports

Requirement/documentation	Submission date	Tick (✓)
Improvement Programme Items (condition 1.2.1)	As per timeframes in table 1.2.1	☐
Monitoring results for ED1, ED2, ED5 and ED7a. (condition 3.1.10 and 3.1.15)	Every year ¹	☐
Certificates of analyses and accreditation certification of laboratory that carried out the sampling and/or chemical analyses of ED1, ED2, ED5 and ED7a. (condition 3.1.12)	With submission of every monitoring result	☐
Monitoring results for PS1(conditions 3.2.6 and 3.2.7)	As per timeframes in condition 3.2.6 and 3.2.7	☐
Certificates of analyses and accreditation certificate of laboratory and calibration certificate for all instrumentation that carried out the sampling and/or analyses of emissions from PS1. (condition 3.2.8)	With submission of every monitoring result	☐
Submission of records of the medicines administered to all specimen arriving at the installation every year (condition 4.1.4)	Every year	☐
Submission of records of all specimens arriving at and/or leaving the installation (condition 4.1.5)	- Submission of quarterly reports every three months² - Submission of a consolidated report on an annual bases²	☐
Submission of the Annual Environment Report (AER). (condition 4.2.1)	Every year	☐

Permit Holder'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	

¹ Monitoring to be carried out at least three (3) times annually.

² Recommended to refer to condition 4.1.5 for further details.

Schedule 3

Template for the application of an exemption from emission limit values

In view of the operating hours of combustion plants [G1] as described in G1, I on behalf of **Marine Aquatic Limited**, as the Permit Holder responsible for the combustion plant at the **Malta National Aquarium, Triq it-Trunciera, Qawra**, submit my request to Authority to be exempt from the Emission Limit Values set out in Table 3.2.6 of the above-mentioned permit for the year [INSERT YEAR].

G1	
operating hours in 20XX	
operating hours in 20XX	
operating hours in 20XX	
Rolling average over 3 years	

Permit Holder's declaration I declare that, to the best of my knowledge, all the above information is correct and substantiated.		
_____ Name <i>(in block letters)</i>	_____ ID Card Number	_____ On behalf of / in my own name <i>(in block letters)</i>
_____ Date	_____ Signature	

Schedule 4

List of invasive alien species

Species name
<i>Pterois volitans</i>
<i>Chrysemys scripta elegans</i>
<i>Chrysemys scripta scripta</i>
<i>Chrysemys sp.</i>
<i>Xenopus laevis</i>

END OF PERMIT