

Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

Mr Michael Webb

Fish collection and Holding Facility
serving

Native Marine Centre Ltd

Portland Port

Castle Town

Portland

DT5 1PP

Permit number

EPR/WP3928XN

**Fish collection and Holding Facility serving
Native Marine Centre Ltd
Permit Number EPR/WP3928XN**

Introductory note

This introductory note does not form a part of the permit

The main features of the permit are as follows.

The application is for a continuous discharge to Portland Harbour of sea water from a series of holding tanks used as a holding facility designed primarily to ensure that native marine specimens can be collected, and held for a short time period, typically less than 6 weeks, before they are distributed to select clients i.e. attraction aquariums, universities and fish farms.

The holding facility will contain 6 tanks of 2.2m³ tanks (total volume 13.2m³) and 2 tanks of 18m³ volume and 10m³ volume, respectively. The total volume of the system will be 45m³.

The maximum daily water exchange of sea water through the facility will be 180m³ (4 times the total volume). There are two different operation systems (flow through system of 13.2m³ and semi-closed system at 28m³ water volume). The discharge will be made from a 125mm diameter outlet pipe located 0.2m below high water. The discharge will contain Ammonia, Nitrate and unsettlable Suspended Solids.

The six 2.2m³ tanks are designed to be flow through systems, that means there will be continuous flow of water through the tanks. Within this system the settleable solids will be taken out by siphoning, and transferred to the organic waste. The operator assumes this process will remove about 80% suspended solids. The unsettlable solids will stay in the water column and will be discharged.

The two bigger tanks (18m³, 10m³) are designed to reuse the water in a semi-closed system. A sand filter is provided for each system and a protein skimmer will be also added to the system. The sand filter is able to convert ammonia into nitrite and further on into nitrate. Also the sand filter is able to reduce the amount of unsettlable solids at least about 30%. The settleable solids will also be removed by siphoning.

The operator recognises the possibility that treatments for fish disease may need to be used and that different types of disease would require different treatments. We have accepted the operators revised 'Protocol for discharging water/effluent,

containing chemicals used for treatments' and 'Treatments for disease guide'. These documents detail that the Environment Agency will be contacted prior to any use of CHEMICAL treatment for ill fish and that chemical treatments will be conducted in tanks within a closed system with the used water filtered using carbon filters and discharged accordingly. The Protocol for discharging water/effluent, containing chemicals used for treatments details that any water treatments utilizing chemicals deemed harmful to the environment will require the used water/effluent to be filtered using a carbon filter to remove solids and volatile organic compounds (VOCs'), then pumped to a separate portable reservoir. This will be held until the reservoir is full and emptied accordingly to Portland Port waste management plan. The Portland Port waste management plan included with the application requires drainage from spaces containing living animals to be tankered off site.

The status log of the permit sets out the permitting history, including any changes to the permit reference number.

Status log of the permit		
Description	Date	Comments
Application EPR/WP3928XN/A001	Duly made 08/08/2012	Application for discharge of trade effluent.
Additional information received	27/07/2012	Email clarifying effluent quality discharge calculations for NMC including: System description; Calculations of effluent quality for the flow through system; Calculation of effluent quality for the semi-closed system.
Additional information received	03/08/2012 22/10/2012	Emails containing revised 'Protocol for discharging water/effluent, containing chemicals used for treatments' and treatments for disease.
Permit determined	01/11/2012	Permit issued to Mr Michael Webb.

End of introductory note

Permit

The Environmental Permitting (England and Wales) Regulations 2010

Permit number
EPR/WP3928XN

The Environment Agency hereby authorises, under regulation 13 of the Environmental Permitting (England and Wales) Regulations 2010

Mr Michael Webb ("the operator"),
whose registered office is

Native Marine Centre Ltd
43 Beaumont Avenue
Weymouth
Dorset
United Kingdom
DT4 7RF

company registration number **08094722**

to operate a water discharge activity at

Native Marine Centre Ltd
Portland Port
Castle Town
Portland
DT5 1PP

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

Name	Date
Lynn Jones	1 November 2012

Authorised on behalf of the Environment Agency

Conditions

1 Management

1.1 General management

- 1.1.1 The operator shall manage and operate the activities:
- (a) in accordance with a written management system that identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents, non-conformances and those drawn to the attention of the operator as a result of complaints; and
 - (b) using sufficient competent persons and resources.
- 1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.
- 1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of it kept at or near the place where those duties are carried out.

2 Operations

2.1 Permitted activities

- 2.1.1 The operator is only authorised to carry out the activities specified in schedule 1 table S1.1 (the “activities”).

2.2 The site

- 2.2.1 The activities shall not extend beyond the site, being the land shown edged in green and the discharge shall be made at the point marked on the site plan at schedule 7 to this permit and as listed in table S3.2 (discharge points).

2.3 Operating techniques

- 2.3.1 (a) The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by the Environment Agency.

- (b) If notified by the Environment Agency that the activities are giving rise to pollution, the operator shall submit to the Environment Agency for approval within the period specified, a revision of any plan specified in schedule 1, table S1.2 or otherwise required under this permit, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3 Emissions and monitoring

3.1 Emissions to water

- 3.1.1 There shall be no point source emissions to water except from the sources and emission points listed in schedule 3.
- 3.1.2 The limits given in schedule 3 shall not be exceeded.

3.2 Emissions of substances not controlled by emission limits

- 3.2.1 Emissions of substances not controlled by emission limits (excluding odour) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.
- 3.2.2 The operator shall:
 - (a) if notified by the Environment Agency that the activities are giving rise to pollution, submit to the Environment Agency for approval within the period specified, an emissions management plan;
 - (b) implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 3.2.3 All liquids in containers, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.

3.3 Monitoring

- 3.3.1 The operator shall, unless otherwise agreed in writing by the Environment Agency, undertake the monitoring specified in the following tables in schedule 3 to this permit:
 - (a) point source emissions specified in tables S3.1 and S3.3.
- 3.3.2 The operator shall maintain records of all monitoring required by this permit including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.

- 3.3.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 3 tables S3.1, S3.2 and S3.3 unless otherwise agreed in writing by the Environment Agency.

4 Information

4.1 Records

- 4.1.1 All records required to be made by this permit shall:
- (a) be legible;
 - (b) be made as soon as reasonably practicable;
 - (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and
 - (d) be retained, unless otherwise agreed in writing by the Environment Agency, for at least 6 years from the date when the records were made.
- 4.1.2 The operator shall keep on site all records, plans and the management system required to be maintained by this permit, unless otherwise agreed in writing by the Environment Agency.

4.2 Reporting

- 4.2.1 The operator shall send all reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.

4.3 Notifications

- 4.3.1 The Environment Agency shall be notified without delay following the detection of:
- (a) any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution;
 - (b) the breach of a limit specified in the permit; or
 - (c) any significant adverse environmental effects.
- 4.3.2 Any information provided under condition 4.3.1 shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.
- 4.3.3 Where the Environment Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Environment Agency when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to the Environment Agency at least 14 days before the date the monitoring is to be undertaken.
- 4.3.4 The Environment Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:

Where the operator is a registered company:

- (a) any change in the operator's trading name, registered name or registered office address; and
- (b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.

Where the operator is a corporate body other than a registered company:

- (a) any change in the operator's name or address; and
- (b) any steps taken with a view to the dissolution of the operator.

4.3.5 Where the operator proposes to make a change in the nature or functioning, or an extension of the activities, which may have consequences for the environment and the change is not otherwise the subject of an application for approval under the Regulations or this permit:

- (a) the Environment Agency shall be notified at least 14 days before making the change; and
- (b) the notification shall contain a description of the proposed change in operation.

4.4 Interpretation

4.4.1 In this permit the expressions listed in schedule 6 shall have the meaning given in that schedule.

4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made "without delay", in which case it may be provided by telephone.

Schedule 1 - Operations

Table S1.1 Activities

Description of activity	Limits of specified activity
Discharge of trade effluent to Portland Harbour via Discharge Point	N/A

Table S1.2 Operating techniques

Description of documentation	Parts	Date Received
Application and supporting documents	All excluding Supporting Information 27.	08/08/2012
Revised 'Treatments for Disease' and 'Protocol for discharging water/effluent, containing chemicals used for treatments'.	All	22/10/2012

Schedule 2 - Waste types, raw materials and fuels

Wastes are not accepted as part of the permitted activities and there are no restrictions on raw materials or fuels under this schedule.

Schedule 3 – Emissions and monitoring

Table S3.1 Point Source emissions to water (other than sewer) – emission limits and monitoring requirements

Discharge source and discharge point ref. & location	Parameter	Limit (including unit)	Reference Period	Limit of effective range	Monitoring frequency	Compliance Statistic
Trade effluent from native marine species holding and quarantine facility via discharge point 1 into Portland Harbour.	Maximum daily discharge volume	180 m ³ /day	Total daily volume	N/A	N/A	Maximum

Table S3.2 Discharge points

Effluent Name	Discharge Point	Discharge point NGR	Receiving water/Environment
Trade effluent	Discharge Point 1	SY 69682 74324	Portland Harbour

Table S3.3 Monitoring points

Effluent(s) and discharge point(s)	Monitoring type	Monitoring point NGR	Monitoring point reference
Trade effluent	Effluent Sample Point	SY 69682 74324	Discharge Point 1

Schedule 5 - Notification

These pages outline the information that the operator must provide.

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 under the provisions of the EP Regulations.

Part A

Permit Number	
Name of operator	
Location of Facility	
Time and date of the detection	

(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution

To be notified within 24 hours of detection

Date and time of the event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances(s) potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident.	

(b) Notification requirements for the breach of a limit

To be notified within 24 hours of detection unless otherwise specified below

Emission point reference/ source	
Parameter(s)	
Limit	
Measured value and uncertainty	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	

Time periods for notification following detection of a breach of a limit	
Parameter	Notification period

(c) Notification requirements for the detection of any significant adverse environmental effect	
To be notified within 24 hours of detection	
Description of where the effect on the environment was detected	
Substances(s) detected	
Concentrations of substances detected	
Date of monitoring/sampling	

Part B - to be submitted as soon as practicable

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 which has been or may be caused by the emission	
The dates of any unauthorised emissions from the facility in the preceding 24 months.	

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of the operator

Schedule 6 - Interpretation

"accident" means an accident that may result in pollution.

"annually" means once every year.

"application" means the application for this permit, together with any additional information supplied by the operator as part of the application and any response to a notice served under Schedule 5 to the EP Regulations.

"EP Regulations" means The Environmental Permitting (England and Wales) Regulations SI 2010 No.675 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

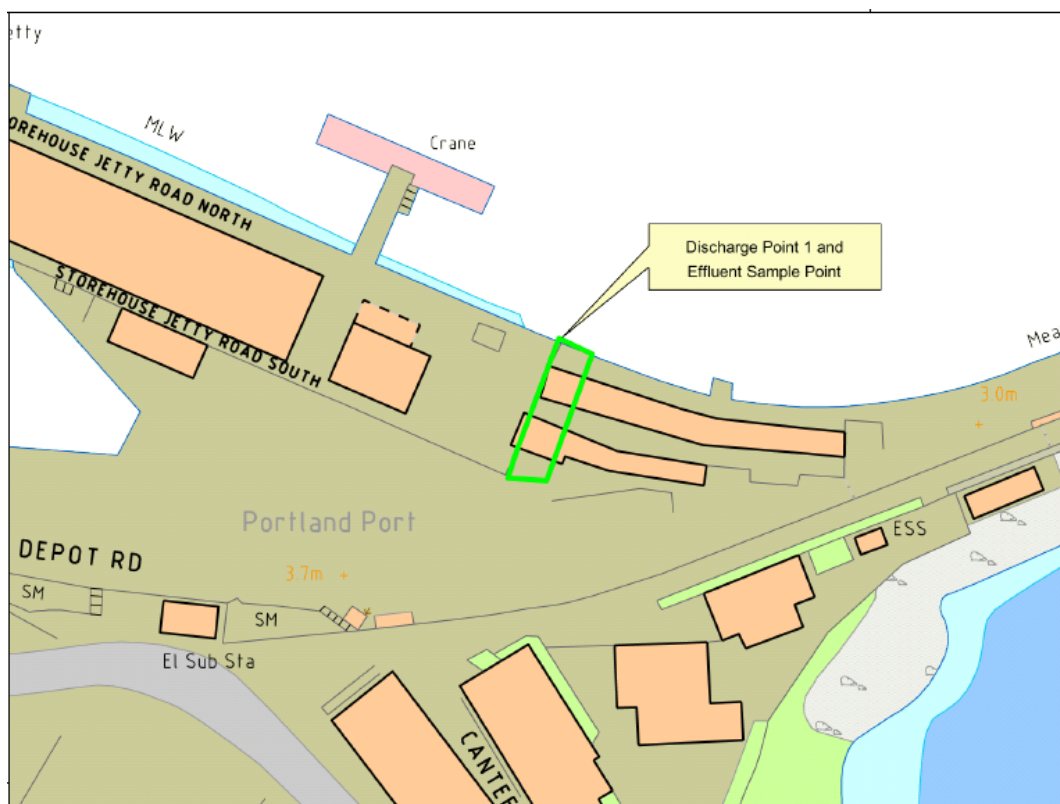
"emissions of substances not controlled by emission limits " means emissions of substances to air, water or land from the activities, either from the emission points specified in schedule 3 or from other localised or diffuse sources, which are not controlled by an emission limit.

"groundwater" means all water, which is below the surface of the ground in the saturation zone and in direct contact with the ground or subsoil.

"quarter" means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

"year" means calendar year ending 31 December.

Schedule 7 - Site plan



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