

Interim Certificate No. \_\_\_\_\_

Authorization No. \_\_\_\_\_

## CERTIFICATE OF TYPE TEST FOR: SEWAGE TREATMENT PLAN

\_\_\_\_\_  
NAME OF ADMINISTRATION

By: **Panama Maritime Documentation Services, I nc.**

**THIS IS TO CERTIFY THAT:**

The equipment listed has been examined and tested in accordance with the recommendations on International Effluent Standards and Guidelines for Performance Test for Sewage Treatment Plants adopted by the Marine Environment Protection Committee of the IMO by Resolution MEPC.2(VI). The system tested comprised the following components, and this Certificate is valid only for such a system.

Type or model of Sewage Treatment Plant: \_\_\_\_\_

Name of Manufacturer: \_\_\_\_\_

Designed Hydraulic Loading of : \_\_\_\_\_ m<sup>3</sup> / day

Organic Loading of \_\_\_\_\_ Kg / day Bio-chemical Oxygen Demand (BOD).

Design shown in the followings manufacturer drawings:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

The Sewage Treatment Plant has been examined and satisfactory tested in accordance with the IMO Resolution MEPC.2 (IV) to comply with the operational requirements referred to in Regulation 3 (1) (a) (ii) of Annex IV of MARPOL 73/78.

A plate or durable label containing data of the manufacturer's name, type and serial numbers, hydraulic loading and the date of manufacture is to be fitted on each Sewage Treatment Plant.

Details of the test and the results obtained are shown in the Appendix to this Certificate.

A copy of this Certificate shall at all times be carried on board any vessel equipped with the above described Sewage Treatment Plant.

This certificate is valid until: \_\_\_\_\_ , of \_\_\_\_\_ of \_\_\_\_\_  
(Day) (Month) (Year)

Issued at : \_\_\_\_\_ , \_\_\_\_\_ of \_\_\_\_\_ of \_\_\_\_\_  
(Place of issue of Certificate) (Day) (Month) (Year)

\_\_\_\_\_  
Name and Signature of authorized official issuing the Certificate  
**Panama Maritime Documentation Services,**  
**I nc.**

APPENDIX**TO CERTIFICATE OF TYPE TEST FOR SEWAGE TREATMENT PLAN**

Test results and details of tests conducted on a specimen of Sewage Treatment Equipment in accordance with IMO Resolution MEPC.2 (IV):

Sewage treatment equipment, type: \_\_\_\_\_

Manufactured by \_\_\_\_\_

Organization conducting the test: \_\_\_\_\_

Designed Hydraulic Loading : \_\_\_\_\_ m<sup>3</sup> / day

Designed organic Loading : \_\_\_\_\_ kg / day BOD.

Number of effluent samples tested \_\_\_\_\_

Raw sewage quality \_\_\_\_\_ mg / l Suspended Solids

Maximum hydraulic loading \_\_\_\_\_ m<sup>3</sup> / day

Minimum hydraulic loading \_\_\_\_\_ m<sup>3</sup> / day

Average hydraulic loading \_\_\_\_\_ m<sup>3</sup> / day

Was a zero hydraulic loading test carried out? \_\_\_\_\_ Yes / No<sup>(1)</sup>

Geometric Mean of total Suspended Solids \_\_\_\_\_ mg / l

Geometric Mean of total faecal coliform count \_\_\_\_\_ Coliforms per 100 millilitres

Geometric Mean of BOD<sub>5</sub> \_\_\_\_\_ mg / l

Type of disinfectant used \_\_\_\_\_

If Chlorine – free available Chlorine:

Maximum \_\_\_\_\_ mg / l

Minimum \_\_\_\_\_ mg / l

<sup>(1)</sup> Delete as Appropriate

Was equipment tested with

Fresh water flushing? Yes / No<sup>(1)</sup>

Salt water flushing? Yes / No<sup>(1)</sup>

Fresh and salt water flushing? Yes / No<sup>(1)</sup>

Temperatures range specified by Manufacturers \_\_\_\_\_ °C to \_\_\_\_\_ °C

Limitations and the conditions of operations are imposed:

salinity \_\_\_\_\_

temperature \_\_\_\_\_

Results of other parameters tested

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

The Test were carried out:

Ashore At: \_\_\_\_\_

On Board At: \_\_\_\_\_

Issued at : \_\_\_\_\_ , \_\_\_\_\_ , of \_\_\_\_\_ of \_\_\_\_\_  
(Place of issue of Test) (Day) (Month) (Year)

\_\_\_\_\_  
Name and Signature of authorized official issuing the Test Results  
**Panama Maritime Documentation Services, I nc.**

<sup>(1)</sup> Delete as Appropriate