

Environmental Incentive: Emissions Control Questionnaire

NSW Ports is committed to sustainable growth and environmental improvements. As part of our Environmental Incentive we are gathering information about ships which visit Port Botany and Port Kembla. Specifically we wish to understand the types of control measures ships are utilising to reduce emissions of air pollutants and greenhouse gases.

To qualify for the NSW Ports Environmental Incentive rebate, a completed questionnaire must be submitted annually by the ship owner or its authorised agent for each ship. The questionnaire must be submitted before the last day of the first month of the quarter in order to be eligible for a rebate in that quarter. For instance, to be eligible for a rebate in the quarter Jan-Mar 2019, the questionnaire must be submitted by 31 January 2019.

The validity of each completed questionnaire will expire annually on 31 December and ship owners/agents will be required to resubmit a revised questionnaire by 31 January to maintain eligibility for the Incentive. The information provided in the questionnaire will help NSW Ports to assess the effectiveness of the Incentive program and identify trends in ship design and operation that may inform the provision of infrastructure and services at our ports.

Data collected will not be disclosed to third parties and will only be reported on in themes or in aggregated form. Data will not be shared or reported in such a manner as to identify any vessel or organisation without their permission.

Please return completed questionnaires to NSW Ports by email at esi@nswports.com.au.

Your Details

Name:

Organisation:

Phone no.:

Email:

Signature:

Date:

Vessel Details

Vessel Name:

IMO Number:

Vessel Owner:

Vessel Operator:

Year Built:

Please complete the questions over the page...

Sulphur Oxides (SO_x) Control Measures

Q: Which of the following measures are used to control SO_x emissions from this vessel: *Tick all that apply:*

- Low-sulphur fuel consumed in main engines
- Low sulphur fuel consumed in auxiliary engines
- Low sulphur fuel consumed in auxiliary boilers
- Exhaust gas cleaner (scrubber) system on main engine exhaust
- Exhaust gas cleaner (scrubber) on auxiliary engine exhaust
- Exhaust gas cleaner (scrubber) on auxiliary boiler exhaust

Nitrogen Oxides (NO_x) Control Measures

Q: Which of the following measures are used to control NO_x emissions from this vessel? *Tick all that apply:*

- | | |
|---|---|
| <input type="radio"/> Selective catalytic reduction | <input type="radio"/> Internal engine modification (e.g. slide valve fuel injectors, ultra-long stroke) |
| <input type="radio"/> Humid air motor | <input type="radio"/> Alternative fuel: please specify... |
| <input type="radio"/> Fuel-water emulsion | |
| <input type="radio"/> Direct water injection | |
| <input type="radio"/> Exhaust gas recirculation | |
| <input type="radio"/> Two-stage turbocharger | |

Other (please specify):.....

Greenhouse Gas Emissions (CO₂) Control Measures

Q: Which of the following measures are used to control CO₂ emissions from this vessel. *Tick all that apply:*

- | | |
|--|---|
| <input type="radio"/> Speed optimisation | <input type="radio"/> Waste heat recovery |
| <input type="radio"/> Weather routing | <input type="radio"/> Air lubrication |
| <input type="radio"/> Autopilot upgrade | <input type="radio"/> Main engine retrofit |
| <input type="radio"/> Propeller polishing | <input type="radio"/> Alternative fuel (please specify) |
| <input type="radio"/> Propeller upgrade/optimisation | <input type="radio"/> On-board renewable energy generation (eg wind, solar) |
| <input type="radio"/> Hull cleaning | <input type="radio"/> Onshore power supply |
| <input type="radio"/> Hull design optimisation | |

Other (please specify):.....

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