



INTRODUCTION

ENVIRONMENTAL BULLETIN

2022

THE PORT

The Port of Peterhead is the most easterly deep-water harbour on the Scottish mainland and lies close to the oil and gas fields of the Northern and Central North Sea. The harbour consists of Peterhead Bay, a natural inlet protected from the sea by two breakwaters, and the inner harbour that consists of a series of harbours and basins that provide facilities for the North Sea fishing industry.

Peterhead is one of Europe's largest fishing ports. The inner harbour provides modern facilities to handle all aspects of the industry. Facilities include the Port Henry Marina providing 44 berthing spaces for small commercial fishing vessels, a temperature controlled fish market, an overflow market, a slipway that can accommodate four fishing vessels, a ship-lift that can handle two vessels, a drydock, a maintenance workshop. Additional external facilities to the Peterhead Port Authority include net repair facilities, fish box provision, freshwater and fuel.

Comprehensive engineering, repair and maintenance facilities including fish processing factories located at Keith Inch, Sir Albert Quay and the Smith Embankment. Sir Albert Quay also handles bulk shipments of agricultural products, frozen fish and a broad range of other commodities. Norse Group UK Ltd. operate an oil industry service and logistics base from Smith Quay at the mouth to the inner harbour. Within Peterhead Bay ASCO (UK) Ltd operate two oil service bases that provide facilities for the North Sea oil and gas industry. The North Base consists of 2400 m² of land space hosting storage and warehousing. The North Breakwater provides a further two berths that are protected by a wave-wall on the offshore side. The South Base consists of the South Breakwater (3 berths), the ASCO Quay (five berths) and the Princess Royal Jetty (two berths).

The Tanker Jetty is located close to the South Breakwater and was built to import fuel to the nearby Peterhead Power Station. The Jetty is designed to accommodate tankers up to 50,000 dwt but is also used for offshore industry vessels, cruise liners and jack-up oil rigs. Peterhead Bay Marina is situated in the south-west of the bay and provides pontoon berthing for 150 leisure craft. The Marina is protected by two rubble mound breakwaters.

PETERHEAD PORT AUTHORITY

ENVIRONMENTAL POLICY

Peterhead Port Authority recognises its environmental responsibilities and shall actively work to minimise pollution and the effects of its activities on the environment. As part of this undertaking, in relation to the activities and operations within the physical limits of the port, we are committed to: -

- Continual improvement of our environmental habitat.
- Prevention of pollution with due regard for nature conservation.
- Comply with environmental good practice and legislative guidelines.
- Provide a framework for setting and monitoring environmental objectives, with provision for regular review making the results available in our annual report.
- Implementing a training program for our staff in order to raise awareness of environmental issues and enlist their support in improving the organisations performance

Furthermore: -

- Periodically revise our environmental policy, and ensure compliance with best practice and current legislation.
- Co-operate with stakeholders, authorities and other participants to fulfil our environmental objectives.
- Consult with the local community and relevant organisations on their environmental programs.
- Use resources as efficiently as possible, encouraging staff and contractors to do likewise and consider the environment sympathetically.
- Work to prevent environmental incidents and maintain preparedness response to reduce any adverse effects that may occur there from.
- Work to reduce our carbon footprint and improve the sustainability of our environment
- Ensure that the necessary resources are made available to implement and maintain this policy.

Environmental Responsibilities of Key Personnel*

	Job Title or Name**	Department
Port Operations (Dredging)	Senior Port Engineer	Maintenance
Port Operations (Navigation)	Harbourmaster	Marine
Jetty/Quayside Management	Harbourmaster	Marine
On site contractor Management	Harbourmaster/Port Engineer	Marine/ Maintenance
Strategic Planning	Chief Executive	Harbour Board
Supplies acquisition	Senior Port Engineer	Maintenance
Quality Management	Quality Manager	Fish Market
Emergency Planning	Harbourmaster/ HS&E Officer	Marine/ HS&E Department
Waste Management	Harbourmaster	Marine
Shiplift / Slipway management	Port Engineer / Facility Manager	Maintenance
Environmental Document Management	HS&E Officer	HS&E Department
Environmental Data Management	HS&E Officer	HS&E Department
Air Quality monitoring Energy and Carbon Footprint monitoring Water Quality monitoring Soil pollution assessment	Consultant /Port Engineer/ HS&E Officer/ Quality Manager	Maintenance HS&E Department Marine
Marina	Marina Manager	Marina

EXISTING RESOURCES

ESPO/ECOPORTS

Peterhead Port Authority are network partners of the ESPO/EcoPorts Foundation. The ESPO/Ecoports foundation offer support, guidance and consultation on environmental issues and legislation. They are the awarding body for the Ports Environmental Review (PERS) certificate in which the port successfully achieved re-certification in November 2020. This again placed the port in the prestigious position of being the only port in Scotland currently accredited with PERS Certification.

OIL SPILL POLLUTION PLANS

Oil Spill Contingency Plans have been prepared by the Authority in accordance with the Merchant Shipping (Oil Pollution Preparedness Response and Co-operation Convention) Regulations 1998. The aim of the Plan is to set out the arrangements for dealing efficiently with the consequences of oil pollution which might affect the Port.

WASTE MANAGEMENT PLAN

The Port Waste Management Plan is updated every three years with amendments being forwarded to the MCA. The plan is lodged with the Marine Department and reviewed by the Harbour Master.

ENVIRONMENTAL IMPROVEMENTS

- 'Oil Spill Response' training has continued to remain current and valid with a dedicated response team on standby. Oil spill kits have been strategically sited around the port to improve response times.
- The port carbon footprint has continued to reduce as a result of renewable and carbon free energy now providing approximately 99% of electrical requirements.

ENVIRONMENTAL PERFORMANCE INDICATORS 2021

Performance indicators related to effects

Maintenance dredging 2021	0
Capital dredging 2021	0 tons
Percentage used as landfill 2021	N / A
Percentage contaminated 2021	N / A
Port Contaminated Waste Water Quantity & Specialist Disposal Cost 2021	0
Waste Skip Collections 2021	105 skips
Carbon Footprint calculation for 2021	With renewable and carbon free sources now providing approximately 99% of the port electrical needs, the 2021 carbon footprint reading for the organisation has continued to reduce to approx. 179- tons of CO2 emissions.

Performance indicators related to effort

Date of planned re-accreditation of PERS	October 2022
Implementation, monitoring & review of Port Environment management system	November 2021
Environmental Improvements	To assist in reducing our carbon footprint, the Authority has introduced an electric powered road sweeper vehicle and provided the Harbour office with charging points for electric vehicles.
Training	Oil Spill training has been provided on an on-going basis within the Peterhead Port Authority Marine Department, ensuring that the necessary resources are available to respond to instances of pollution. All team members training dates remained valid throughout 2021 with training provided by Briggs Marine on the 20 th April 2021.

ENVIRONMENTAL PERFORMANCE INDICATORS 2021

Performance indicators related to quality

Harbour and Bay water quality	<ul style="list-style-type: none"> To ensure the prevention of pollution, routine patrols are carried out by designated vessels to monitor the harbour & bay for any indication of pollution. At a minor level of pollution, an internal response team is deployed with the resources to contain and collect the pollutant. At a major level, an external response service is deployed with involvement from the local authorities. Throughout 2021 there were no incidents of pollution in the harbour or bay. The introduction of bacteria and invasive aquatic species to new environments by visiting ships has been identified as a major threat to a port's native ecosystems. This threat is greatly enhanced through in- water vessel hull and propeller cleaning operations (both manual and mechanical). In accordance with the IMO Biofouling Guidelines, the Peterhead Port Authority have set a policy, prohibiting the activity of in-water vessel hull and propeller cleaning within the Harbour limits of Peterhead. Vessel patrols have monitored visiting vessels to the port to ensure compliance with this policy. There were no reported instances in 2021. Harbour water and sediment are independently sampled by the Scottish Environmental Protection Agency (SEPA) on an annual basis. No reports on contamination levels exceeding the accepted levels have been received to date. Scottish Water analyse the Bay water on a monthly basis where the Port Authority would be informed if concerns were to arise.
Shiplift (Air quality)	In compliance with environmental good practice, Ship repair contractor activities involving paint spraying and welding emissions are carried out within an enclosed facility fitted with calibrated air quality sensors to identify toxic atmospheres. Contractors are encouraged to use water- based paints in their spraying operations. To date there have been no hazardous atmosphere alerts.
Fish market (Malodour / vermin control)	To cooperate with our stakeholders and reduce any environmental adverse effects, Temperatures are monitored at our fish market to ensure fish stored in the facility remain fresh and prevent any malodour. Temperature equipment is serviced and calibrated by external specialists on a regular basis. The facility is periodically visited by vermin control specialists who ensure that the facility remains free from vermin contamination. To date temperatures have remained at a satisfactory level and there have been no incident reports involving vermin.

PORT STAKEHOLDERS.

Balancing the needs of our stakeholders remains of paramount importance to Peterhead Port Authority as a Trust port. In addition to our website and ad-hoc meetings, ongoing consultation meetings with our port users involve

- General port users group meetings
- Port landings meetings with involvement from all sectors of the Fishing community.

The Authority continues to operate under a waste management plan, providing waste receptacles to our fishing fleet and visiting vessels and collecting and disposing of the waste responsibly under environmental guidelines.

Waste segregation measures continue to be welcomed by the fishing fleet with a good level of response.

Where available, the fishing fleet continues to utilise shore power. This eliminates the need for vessels to run their engines while berthed causing harmful emissions into the port environment.

In compliance with the OPRC (Oil Pollution Preparedness, Response and Co-operation) Regulations 1998, the Peterhead Port Authority have developed and implemented an Oil Spill Contingency plan to safeguard the Port environment. The two oil and gas logistic bases operating in the Port (ASCO Ltd. And NorSea UK) have also developed oil spill plans specific to their operations. Levels of co-operation are maintained through liaison meetings and joint exercises to ensure monitoring and response strategies have a uniform approach without conflict.

The New Fish market continues to offer quality-controlled conditions to accommodate our fish buyer and processor community. Local fish processing units continue to operate in compliance with the local Environmental Health Authorities. Future steps will be taken by the Peterhead Port Authority to look at avenues for improvement in processing facility layouts and operations.

To maintain the operational integrity of the fishing fleet, Peterhead Port Authority provide and maintain Ship Repair facilities which are utilised by many ship repair contractors who are either based at the port, in the local community or out-with. Air quality monitoring and water quality controls are in place at these facilities which are assessed and licensed by the national Environmental Authorities. Environmental requirements are set prior to any contractor operating within these facilities to ensure that they are operating and disposing of their waste in compliance with environmental regulations

PORT STAKEHOLDERS RELATED TO THE ENVIRONMENT.

Scottish Environment protection Agency (SEPA) – This controlling Government organisation carries out periodic visits to the Port to monitor compliance with the Environmental Protection Act.

Controlled activities that require licensing involve the collection and containment of paint flake debris generated in the Ship Repair facilities. This debris is collected and sealed in metal containers to be collected by special waste disposal services. Once compliance with this requirement has been confirmed by SEPA, licensed permission is extended to the Peterhead Port Authority to continue this activity.

Marine Scotland – This controlling Government organisation carries out periodic visits to the Port to monitor compliance with the Marine Scotland Act.

Controlled activities that require licensing involve the depositing of substances on the Seabed. This activity is strictly prohibited where a license has not been applied for.

Contractor vessel maintenance activities such as welding, blasting or painting can be monitored by Marine Scotland to ensure compliance with the Act and that all waste generated over water is collected for approved disposal.

Port Authority Employees –Environmental training and awareness is provided to Peterhead Port Authority employees at induction. On-going external specialist training covering oil spill response and control of hazardous substances are determined relevant to each employee role. In addition to training, equipment and PPE are provided to ensure safety.

Local Community & Visitors – As a Trust Port, Peterhead has areas open to public access where waste management is in place to ensure a clean and healthy environment free from litter and vermin. A designated team of port operatives are tasked with daily collection and disposal of waste and litter to a depot where it is then collected by specialist waste disposal companies.

Noise pollution is also an environmental issue relevant to the adjacent port community, port contractors are requested to confirm that their operations shall comply with local rules and national noise regulations. Noise monitoring equipment is stationed at relevant areas to confirm compliance.

To prevent malodour emissions having an impact on the local community, temperature monitoring of the port fish market is recorded with external service visits maintained.

Aberdeenshire Council - This Government organisation monitors and responds to local reports of pollution, noise and malodour emissions. Peterhead Port Authority provide controlling actions and plans to assure the local council and respond to any specific complaints that it can mitigate.

ENVIRONMENT STATUS



- As network partners in the Eco Ports Foundation, Peterhead Port Authority is currently the only Scottish Port accredited with the port specific 'Ports Environmental Review' (PERS) certificate awarded by Lloyds Register. An application to renew this accreditation shall be made in October 2022.
- With the 2010 carbon footprint figure reading of approx. 1680 tons CO2 emissions, through annual incremental improvements, the Authority reduced this figure to approx. 1202 tons CO2 emissions in 2017. With the introduction in 2018 of electricity from renewable sources providing approximately 80% of the port electrical needs and the development of solar energy provision included in the new fish-market, the 2019 carbon footprint reading for the Authority reduced dramatically to approx. 337 tons CO2 emissions. Electricity provision is now provided from 99% renewable and carbon free sources giving a footprint reading for 2021 of 179 tons.

2022 IMPROVEMENTS



This provision of electrical charging points at the Harbour Office has promoted the switch to electric vehicles.



The provision of a 100% electric powered road sweeper has removed the need for a diesel powered alternative.

Please contact us with any questions or queries by using any of the contact methods listed below.

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