

# *OSPAR Services*



# OSPAR Services



Yordas is a leading global provider of scientific, environmental and regulatory consulting services. As a strategic partner, Yordas is focused on adding value throughout the lifecycle of an oil and gas project. We recognise that safety, efficiency and reliability are your top priority and we offer a range of services tailored to the upstream sector that will enable you to thrive.

Our global expertise spans across several areas:

## Chemical Regulatory Compliance

Understanding and complying with chemical legislation is a critical factor in the success of an offshore oil and gas project. Yordas has a highly experienced team of regulatory experts to assist you in meeting and maintaining regulatory compliance. We achieve this by remaining up-to-date with ever-changing worldwide chemical legislation and regulation via innovative monitoring tools and by offering concise, comprehensive information about your notification and regulatory obligations and potential business risks.

- Chemical Regulatory Scoping Studies
- Preparation of Regulatory Submissions for OSPAR, REACH and BPR
- Preparation of Safety Data Sheets and Labels
- Monitor and Interpret Regulatory Changes

## Ecotoxicology and Risk Assessment

Our team of experts in chemistry and ecotoxicology can provide scientifically robust risk assessment services to sufficiently determine hazard, exposure and risk, to meet your regulatory obligations and ensure a safe use of chemicals. With extensive experience in the undertaking of testing strategies and predictive exposure modelling such as with Chemical Hazard and Risk Management (CHARM), Yordas can assess the complex environmental implications of your offshore chemicals.

- Testing strategies for HOCNF Submission
- Hazard Identification
- Risk Assessment Using CHARM Model

## Scientific and Analytical Services

Our data acquisition and testing services are key to understanding chemical performance of offshore oil and gas chemicals. Our experts in chemistry can support the testing strategies for HOCNF submission and provide advice on hazard through their understanding of chemical structure and functionality. We also offer advice on substitution for chemicals used offshore to promote low-hazard, efficient and sustainable substitutions across your operations.

- Scientific Support to Advise on Testing Strategies
- Advice on Substitution
- Data Acquisition and Expert Assessments

## Environmental Services

Yordas strives to work collaboratively with clients to deliver sustainable projects. A broad spectrum of environmental services are offered to support our clients. Yordas' scientific and regulatory experts can assist you with the preparation of environmental permits and approvals, the development and maintenance of environmental management systems and the completion of environmental audits.

- Permitting and Regulatory Compliance
- Environmental Management Systems
- Environmental Audits

## Sustainability and Product Stewardship

Yordas offers sustainability management and Corporate Social Responsibility services to support clients with the strategic integration of sustainable economic, social equity and environmental practises into your operations. Our bespoke sustainability and product stewardship services combine our scientific and regulatory knowledge, helping you to reduce project risk, to meet and exceed regulatory compliance and to achieve your corporate sustainability objectives while providing lasting and positive benefits to stakeholders.

- Corporate Sustainability Strategy
- Sustainability Reporting
- Sustainability Communication

## Training and Dissemination

All chemicals used in the exploration, exploitation and associated offshore processing of petroleum in the North Sea must comply with the OSPAR HMCS as well as REACH. Yordas delivers several types of training courses on OSPAR and global oil and gas regulations.

- Training Courses
- Webinars
- Bespoke In-House Training

# The OSPAR Convention

Differences exist in the notification responsibilities of the chemical suppliers, offshore operators and regulatory authorities of different OSPAR countries in which the chemical is intended to be used and discharged (Table 1).



The OSPAR Convention is a legislative framework implemented to guide and regulate international cooperation for the protection of the marine environment in the North-East Atlantic region.

The OSPAR Convention has been ratified by 16 parties, including the European Union, United Kingdom, Netherlands, Norway and Denmark. The regulatory requirements for the use and discharge of offshore chemicals are set out in the OSPAR Decision 2000/2. This Decision provided the context for the Harmonised Mandatory Control Scheme (HMCS), under which offshore chemicals must be registered (Figure 1).

Each national authority is responsible for implementing the HMCS within their regulatory framework, so differences exist between countries, but some of the principles are applied by all authorities, namely:

- Precautionary Principle
- Best Available Techniques and Best Environmental Practice
- Polluter Pays Principle
- Principle of Substitution

Figure 1. General Responsibilities for Implementation of OSPAR HMCS

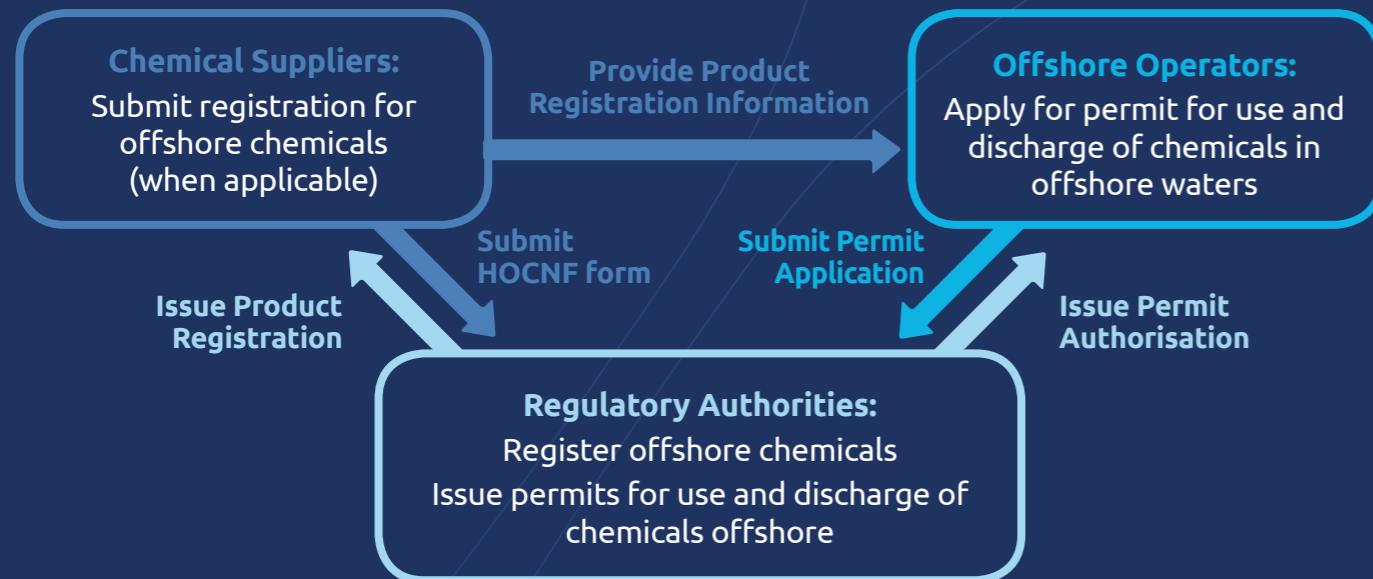


Table 1. Roles and Responsibilities for the Implementation of OSPAR HMCS in the UK, Netherlands, Norway and Denmark

		United Kingdom	Netherlands	Norway	Denmark
<b>Key Regulatory Framework to Implement OSPAR Provisions</b>		Offshore Chemicals Regulations 2002 (as amended 2011)	Netherlands OCNS Protocol	Activities Regulations, 2016	Act on Protection of the Marine Environment
<b>Roles and Responsibilities</b>	<b>Regulatory Authorities</b>	Department for Business, Energy and Industrial Strategy (BEIS): Administer and enforce OCNS.	State Supervision of Mines (SSM): Responsible for registration of offshore chemicals and issue permits for use and discharge of chemicals offshore.	Norwegian Environment Agency (NEA): Regulate use and discharge of chemicals through issuance of permits. Responsible for compliance monitoring for registration of chemicals through NEMS database.	Danish Environmental Protection Agency (DEPA): Regulate use and discharge of chemicals through issuance of permits.
		Centre for Environment, Fisheries and Aquaculture Science (Cefas): Acts on behalf of BEIS to administer registration of offshore chemicals.	Cefas: Acts on behalf of SSM to administer registration of offshore chemicals, but responsibility for registration remains with SSM.		Danish Product Register (DPR): Issue registration for offshore chemicals.
	<b>Offshore Operators</b>	Register chemicals by submitting HOCNF to Cefas.	Register chemicals by submitting HOCNF to Cefas.	Submission of HOCNF to NEA is not required, however, it has to be available upon request.	Register offshore chemicals with DPR.
	<b>Offshore Operators</b>	Obtain permit for use and discharge of registered chemicals with BEIS. Cefas review permits applications for operations in English waters. Marine Scotland review permit applications for Scottish waters.	Obtain permit for use and discharge of registered chemicals with SSM.	Obtain permit for use and discharge of chemicals with NEA. Categorisation, environmental evaluation and preparation of substitution plans for chemicals.	Obtain permit for use and discharge chemicals from DEPA.



# OSPAR Services

**Our integrated regulatory and scientific services can support regulatory compliance of offshore chemicals**

## HOCNF preparation and notification

We can assist you in the registration of chemicals for use in the offshore oil and gas industry in the North Sea. To achieve this, we can guide you through the preparation of the Harmonised Offshore Chemical Notification Format (HOCNF), by providing scientific advice and policy support on hazard and risk assessment of offshore chemicals.

## Test commissioning and monitoring for HOCNF registration

We have developed a large network of testing laboratories that are routinely used to commission tests required for OSPAR. We can advise on several topics, including which testing is required, study methodology selection and study protocol development. We can also coordinate and monitor testing to generate the information needed for the HOCNF registration.

## Build weight of evidence cases for ecotoxicological endpoints required for HOCNF submission

We can build weight of evidence cases on an ad hoc basis when appropriate under the scheme. This approach is intended to help our clients reduce time, costs and requirements for animal testing.

## Manage requirements for offshore chemicals under REACH and BPR

Depending on the type and function of offshore chemicals, additional requirements under the REACH Regulation (EC) No 1907/2006 and the BPR Regulation (EU) No 528/2012 may apply. We can help you navigate the differences between the requirements of each regulations and manage your regulatory obligations by assessing the commercial impact of each regulation.

## Case Studies

The Yordas scientific and regulatory teams have garnered extensive experience over time in supporting our offshore gas and oil clients in the EU with OSPAR and REACH.

Yordas supported a client in registering a new product under OSPAR HMCS by undertaking a data gap assessment, developing an endpoint fulfilment strategy and assisting in the HOCNF submission. Active engagement and discussion with the national regulator throughout the process ensured a successful registration within the specified timeframe.

A new offshore surfactant that was developed to replace a substitutable chemical by a client required an Inquiry under REACH and a new HOCNF under OSPAR HMCS. Yordas was able to identify read-across substances and fulfil several PBT data for the HOCNF without additional testing. The specialist support provided by Yordas saved a significant amount of money and time whilst satisfying the clients' regulatory requirements.

For more case studies, please check [here](#).

## Definitions

### Offshore Chemicals

Chemical, comprising a substance or a preparation, used or intended to be used in connection with offshore activities, i.e. offshore petroleum activities or offshore storage or unloading activities.

### Harmonised Mandatory Control Scheme (HMCS)

Instated in order to reduce the overall impact of offshore chemicals on the marine environment. Offshore chemicals are required to be registered under the HMCS; a chemical developed for use on an offshore installation will not be permitted without authorisation.

### Offshore Chemical Notification Scheme (OCNS)

Manages chemical use and discharge by the UK and Netherlands offshore petroleum industries. Administered by the Centre for Environment, Fisheries and Aquaculture Science (Cefas) on behalf of Department of Energy and Climate Change (DECC) in the UK and the State Supervision of Mines (SSM) in the Netherlands.

### Offshore Chemical Notification Scheme (OCNS)

Manages chemical use and discharge by the UK and Netherlands offshore petroleum


### Harmonised Offshore Control Notification Form (HOCNF)

Form required to notify chemical products. It contains hazard data relating to their composition, mode of use, fate in the marine environment, and Persistence, Bioaccumulation and Toxicity (PBT).

### Chemical Hazard and Risk Management (CHARM)


Prediction model used to determine the risk arising from the use of an offshore chemical.

## Contact us

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