



Permitted activities: Pre-activity notice

Form 1 of Schedule 5 of the Exclusive Economic Zone and Continental Shelf (Environmental Effects – Permitted Activities) Regulations 2013

How to use this form: This form must be completed by organisations planning to carry out a permitted activity (except seismic surveying) in accordance with:

- regulation 5, 6 or 8 of the Exclusive Economic Zone and Continental Shelf (Environmental Effects – Permitted Activities) Regulations 2013 (PA Regulations 2013); or
- regulation 7, 8 or 9 of the Exclusive Economic Zone and Continental Shelf (Environmental Effects – Discharge and Dumping) Regulations 2015 (D&D Regulations 2015).

This form fulfils the pre-activity reporting requirements under regulation 11(a) of the PA Regulations 2013 and regulation 12(2) of the D&D Regulations 2015.

Timeframe: You must provide this form to the Environmental Protection Authority (EPA) no less than 40 working days before starting the activity.

Note: Items marked in *italics* are not compulsory; however, including this information will help the EPA process the form.

This completed form, once received and processed by the EPA, will be posted on the EPA website.

Submitting in hard copy: If you wish to provide the completed form in hard copy, post it to Environmental Protection Authority, Private Bag 63002, Wellington 6140 or fax it to +64 4 914 0433.

Submitting electronically: If you wish to provide the completed form electronically, email it to permitted.compliance@epa.govt.nz.

Any form submitted electronically should be attached to an email that sets out:

- the details of the person undertaking the permitted activity (the operator)
- the name of the person supplying the completed form
- a statement that the person is authorised to supply the form on behalf of the operator.

Note: The EPA has an 8 MB limit on electronic files submitted by email.

You can find and download all forms prescribed by the PA Regulations 2013 and the D&D Regulations 2015, as well as suggested templates for providing other information, on our website at www.epa.govt.nz or request them from us by contacting:

Environmental Protection Authority,
Private Bag 63002, Wellington 6140
Email permitted.compliance@epa.govt.nz

Phone +64 4 916 2426
Fax +64 4 914 0433

Operation name: Floating Lidar deployment

Name used by operator to reference the activity described in this form:

Details of person undertaking permitted activity

Name of company, organisation or person:	NZ Offshore Wind Development Limited (NZOWD)		
Contact person:	[REDACTED]		
Phone number:	[REDACTED]		
Mobile number:	[REDACTED]	Fax number:	
Physical address:	[REDACTED] [REDACTED]	Postcode:	[REDACTED]
Postal address (if different):			
Email address:	[REDACTED]		

General description of permitted activity**Type of activity:**

Marine scientific research	<input checked="" type="checkbox"/>	Alteration, extension or removal of a permitted marine structure	<input type="checkbox"/>
Prospecting	<input type="checkbox"/>	Discharge of sediments from iron sand prospecting and exploration	<input type="checkbox"/>
Exploration	<input type="checkbox"/>	Incidental discharge of sediments from phosphate nodule or placer gold prospecting and exploration	<input type="checkbox"/>
Placement or removal of submarine cables	<input type="checkbox"/>	Discharge of sediments from seafloor massive sulphide prospecting and exploration	<input type="checkbox"/>

Description of methods to be used to undertake the activity:

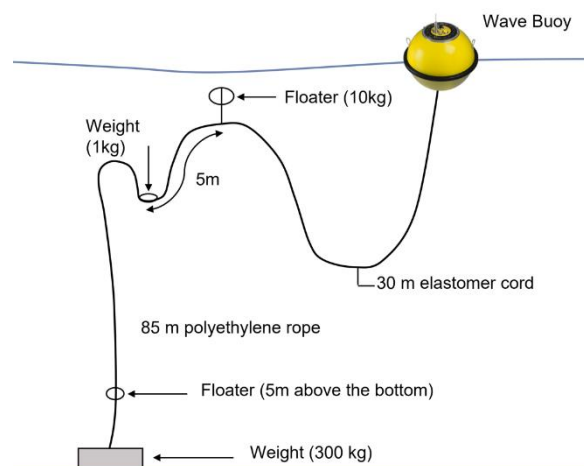
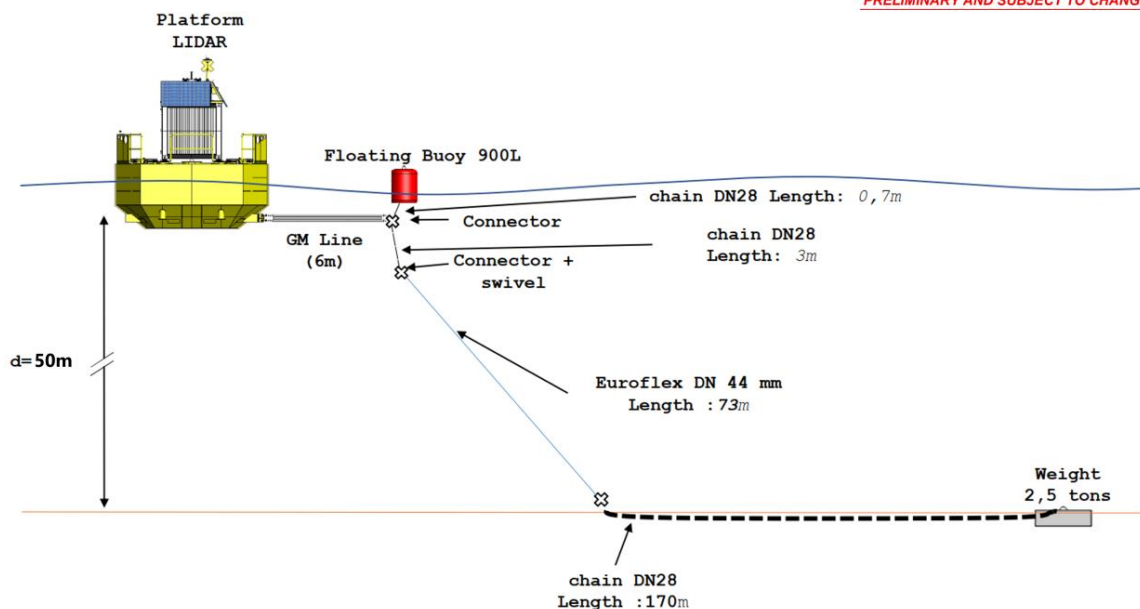
NZOWD is planning a metocean measurement program involving the installation of one floating LiDAR buoy and one wave buoy.

The programme will occur over a period of up to 24 months, with deployment planned during Q3 2022. The metocean measurement program will comprise the following:

- Installation and recovery of two moorings; one wave buoy and one floating LiDAR buoy.
- A wave buoy with standalone communication channels (GPRS & SAT) for transmitting wave data onshore, as well as power supply based on batteries. Tracking of the buoy will be provided by means of GPS and AIS systems – no fuel tanks will be present on the wave buoy.
- Floating LiDAR buoy with:
 - LiDAR, wave sensor, current profiler (Acoustic Doppler current profiler (ADCP))
 - aluminium hull containing wave tanks filled with seawater

- control room container containing fuel tanks (methanol fuel cells), batteries, power
 - management system and communication and processing equipment
 - solar panels and alarm system.
- Moorings anchored to the seabed by a single anchor point, namely a concrete block with dimensions approximately 2m x 2m x 2m. The mooring system will be designed such that entanglement risk is low (e.g. considering a taut configuration and avoiding nylon ropes).
 - Installation carried out over approximately two days, requiring crane assisted operations and potentially remotely operated vehicles to assist deployment.
 - Maintenance and servicing vessel trips are expected to be carried out quarterly and annually, respectively (each of one day duration).

PRELIMINARY AND SUBJECT TO CHANGE



Timing of permitted activity

Proposed start date:	1/10/2022
Approximate duration of activity:	Up to 24 months
Timetable:	

Location of permitted activity

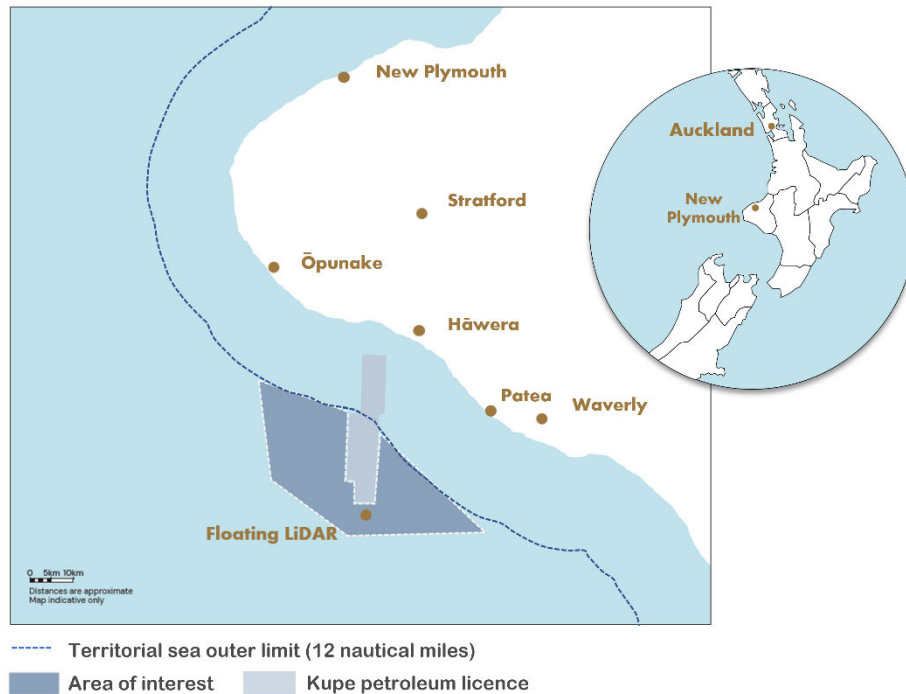
Co-ordinates of area where activity will be undertaken:

(Provide four sets of co-ordinates in latitude and longitude or submit a shape file or KML/KMZ file.)

Set 1	
Set 2	
Set 3	
Set 4	
<input checked="" type="checkbox"/>	I have attached a shape or KML/KMZ file

Map:

(Provide a map that shows the location of your activity relative to the New Zealand coastline)



Describe the current state of the area and the surrounding environment, including any known sensitive environments:

The area is within the EEZ, in around 50m water depth and is adjacent to the Kupe field (Permit no. 38146). The location is entirely outside the West Coast North Island marine mammals sanctuary area. Trawl fishing maps for the area show low fishing intensity activities.

This pre-activity notice and associated information have been provided to Te Runanga o Ngati Trust for comment in respect of the LiDAR buoy prior to lodging with the EPA. The following undertakings have been agreed:

- NZOWD meet six monthly, at a minimum, with Ngati Ruanui to discuss the LiDAR buoy in respect of ongoing management of the structure and results received.
- Ngati Ruanui will be advised as soon as possible of any of any risk or incident relating marine mammals or any accidental spills because of the installation and ongoing operation of the LiDAR buoy.

Describe the likely effects of the activity on the environment:

Marine operations

The vessel operations to deploy the floating lidar will be carried out by an experienced NZ company and will follow Maritime NZ rules and protocols to ensure minimal impact on the environment.

Routine operational discharges might result in a localised (within vicinity of discharge) minor reduction in water quality, which will be short term due to the well-mixed marine waters.

Any accidental spills will be managed based on Maritime NZ rules and regulations.

In-situ metocean measurements

The location does overlap with marine mammal, seabird, fish and benthic habitats but the limited extent of marine operations and relatively small size of equipment deployed will ensure minimal interaction with these habitats.

The mooring anchor blocks will occupy a small footprint on the seabed (roughly 2x2m) to minimise seabed disturbance.

Risk of entanglement of large marine mammals will be minimised by appropriate mooring design, i.e. with a taut configuration, avoiding nylon ropes.

The buoy(s) will be fitted with GPS transmitters and marked with project name and contact details to ensure quick recovery in case of equipment loss.

Other information

Name of the ship involved in the activity:	Vessel not yet procured
International call sign or vessel number of the ship:	Vessel not yet procured
Associated licence number (under the Continental Shelf Act 1964):	N/A
Associated permit number (under the Crown Minerals Act 1991):	N/A

Funding and cost recovery

The EPA recovers costs in accordance with section 143 of the Exclusive Economic Zone and Continental Shelf (Environmental Effects) Act 2012, Exclusive Economic Zone and Continental Shelf (Fees and Charges) Regulations 2013, and EPA Cost Recovery Policy for the Exclusive Economic Zone and Continental Shelf

(Environmental Effects) Act 2012 and Regulations. The policy specifies that the EPA will not recover costs for domestic or international marine scientific research where proof of government funding is provided.

To help the EPA determine whether you are eligible for cost recovery exemption under the policy, fill out the section below.

Is this activity receiving any government funding?

<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No (go to the next section)
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If yes, provide details and attach any proof of such funding:

Where the EPA is required to recover costs associated with the permitted activity to which this form relates, it will invoice the company, organisation or person named on this form. The invoice will be addressed to the named contact person.

Delivery details for the invoice if different from those given on page 2

Postal address	
Contact person	
Email address	
Purchase order number (if applicable)	

Payment is expected by the 20th of the month following the month of issue of the invoice.

Signature of authorised contact person

Date 22/07/2022

Name: [REDACTED]

Title: [REDACTED]

Note: A signature is not required for electronic (email) forms.