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: Deemed Marine Dumping Consent EEZ900012

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

Details of person undertaking permitted activity

| Name of company, organisation or person: | Coastal Resources Limited |
| Contact person: |  |
| Phone number: | 09 320 4905 |
| Mobile number: |  |
| Fax number: |  |
| Physical address: | 190 Jack Lachlan Drive, Beachlands, Auckland | Postcode: 2018 |
| Postal address (if different): | PO Box 8, Beachlands, Auckland | Postcode: 2147 |
| Email address: |  |

General description of permitted activity

Type of activity:

- Marine scientific research ☒ Alteration, extension or removal of a permitted marine structure ☐
- Prospecting ☐ Discharge of sediments from iron sand prospecting and exploration ☐
- Exploration ☐ Incidental discharge of sediments from phosphate nodule or placer gold prospecting and exploration ☐
- Placement or removal of submarine cables ☐ Discharge of sediments from seafloor massive sulphide prospecting and exploration ☐

Description of methods to be used to undertake the activity:

The Deemed Marine Dumping consent EEZ900012 requires analysis of sediments on axes throughout the Disposal Area with a minimum of thirteen sampling sites and a control site included. Monitoring should also be undertaken at four sites midway between the sites on the 1500m boundary (i.e. the sites beyond the boundary should be in a NE, SE, SW and NW direction from the site centre) at a distance of 250m beyond the Disposal Area boundary. Thus sixteen sample sites within and around the disposal area should be sampled and an additional three control site samples will be collected from 2500m south of the disposal site, as shown in the Figure 1 below.

At each sampling site two 70mm diameter clear barrel cores will be taken using a gravity corer with sufficient mass to achieve at least 10-15cm penetration. On retrieval of the core barrels the bottom is sealed and both cores photographed with a label and scale to show layers. The surface 5cm of each core is combined per site and tested for metals, total petroleum hydrocarbons and grain size. In addition to those sites required under the Permit, single core samples will be collected at the 250m and 375m N, E, W, S sites and photographed with a label and scale to show layers.
At the disposal site centre, the 4 500m sites, the 4 disposal area boundary sites and the control an additional 3 replicate samples of two 100m m diameter core samples will be collected for benthic biota analysis.

Timing of permitted activity

<table>
<thead>
<tr>
<th>Proposed start date:</th>
<th>06 March 2019 (weather dependent)</th>
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<tbody>
<tr>
<td>Approximate duration of activity:</td>
<td>1 - 2 days</td>
</tr>
<tr>
<td>Timetable:</td>
<td>7:00am – 7:00pm</td>
</tr>
</tbody>
</table>

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

☑️ 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)

Figure 1 Seabed Sediment Quality Sampling Sites
Describe the current state of the area and the surrounding environment, including any known sensitive environments:

The continental shelf extends out to 60 km from Great Barrier Island. Sea floor relief of the shelf is relatively uniform, except for small areas of basement outcrop and isolated rock pinnacles, which occur 16 km south and 20 km north west of the disposal area. The outer gulf disposal area ranges in depth from approximately 130m to 140m and was characterised by sandy muddy sediments. Beyond the shelf edge, a band of coarser muddy sand extends in a NW direction along the upper slope, down to 300–500m depth. There are limited sediment and biological samples around this region. NIWA's marine database for this region, suggests Scleractinia (solitary stony coral) may be present. Scleractinia corals are typically associated more with elevated features such as seamounts or ridges, but these have not been found previously in the study area.

The sediment sampling is a repeat of earlier sampling, during which no sensitive habitats were encountered. In any case, the sampling to be undertaken will cause minimal disturbance to the seafloor (total core area of disturbance for sediment sampling per site is 0.008 m² and biota sampling per site is 0.05 m²). If any sensitive environments are encountered, no further sampling will be undertaken at that location.

Describe the likely effects of the activity on the environment:

Very minimal. No sampling equipment used in sediment sampling activities will remain on the seabed. Any excess sediment sampled will be returned to the seafloor. The combined footprint of all bottom sediment sampling is less than 0.65 m² over the 28 required core sampling sites.

Other information

<table>
<thead>
<tr>
<th>Name of the ship involved in the activity:</th>
<th>Ten Seventy</th>
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<tbody>
<tr>
<td>International call sign or vessel number of the ship:</td>
<td>ZMU8670</td>
</tr>
<tr>
<td>Associated licence number (under the Continental Shelf Act 1964):</td>
<td></td>
</tr>
<tr>
<td>Associated permit number (under the Crown Minerals Act 1991):</td>
<td></td>
</tr>
</tbody>
</table>

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?

☐ Yes ☒ No (go to the next section)
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.

<table>
<thead>
<tr>
<th>Delivery details for the invoice if different from those given on page 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Postal address</td>
</tr>
<tr>
<td>Contact person</td>
</tr>
<tr>
<td>Email address</td>
</tr>
<tr>
<td>Purchase order number (if applicable)</td>
</tr>
</tbody>
</table>

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

Signature of authorised contact person  
Name:  
Title: Personal Assistant

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