Permitted activities: Post-activity report

Form 4 of Schedule 5 of the Exclusive Economic Zone and Continental Shelf (Environmental Effects – Permitted Activities) Regulations 2013

**How to use this form:** This form should be completed by people who have carried out a permitted activity (other than 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). This form fulfils the post-activity report requirements of Schedule 4 of the PA Regulations 2013.

**Timeframe:** You must provide this form to the Environmental Protection Authority (EPA) within 60 working days of completing 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, 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

www.epa.govt.nz
**Operation name:**

*Name used by operator to reference the activity described in this form:* SEAPA19, SEA Cruise S283

**Activity code:**

*Code given to you by the EPA after submitting the pre-activity notice:* SEAPA19

**Details of the person undertaking the permitted activity**

| Name of company, organisation or person: | Sea Education Association |
| Contact person: | | Kimberly Reed (office), Dr. Kerry A. Whittaker and Dr. Mattias Cape (shipboard) |
| Phone number: | 508-540-3954 x500 (office) |
| **Mobile number:** | | 508-942-0468 |
| **Fax number:** | 508-457-4673 |
| Physical address: | 171 Woods Hole road, Falmouth, MA USA |
| **Postal address (if different):** | PO Box 6, Woods Hole, MA USA |
| **Postcode:** | 02540 |
| **Postcode:** | 02543 |
| Email address: | kreed@sea.edu; kwhittaker@sea.edu, mcape@uw.edu |

**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 |
| **Period during which activity was undertaken:** | 14 November, 2018 – 20 December, 2018 and December 29, 2018 – January 05, 2019 |

**Location of the permitted activity**

**Co-ordinates of area where the activity was undertaken:**

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

**Set 1:** A .kml file has been provided with this form

**Set 2:**
Cruise track for S283 (leg 1)
Details of the environment of the area where the activity was undertaken

Describe the environment:

All research occurred in coastal or open ocean settings more than three nautical miles from mainland New Zealand, and more than twelve nautical miles from the Kermadec Islands. Only pelagic environments of the upper water column were sampled. This cruise conducted sampling within the New Zealand EEZ beginning in Auckland, sailing through Hauraki Gulf to Russell, then north along the Kermadec Ridge. After rounding Raoul, we began sailing south along the Kermadec Trench to Napier, and back north around East Cape, stopping in Great Barrier Island, and concluding in Auckland.

Describe any sensitive environment that was encountered in the area where the activity was undertaken:

No sensitive environments were encountered or sampled during the course of the cruise.

Environmental footprint of the activity

<table>
<thead>
<tr>
<th>Estimate of the volume of material</th>
<th>Leg 1: We removed an estimated 400ml of phytoplankton biomass and 13L of zooplankton/gelatinous biomass for identification as well</th>
</tr>
</thead>
</table>
removed: as approximately 500L of seawater for chemical analyses.

Leg 2: 290 ml zooplankton, 10020 ml gelatinous organisms, 7 mg microplastics, 12 ml phytoplankton biomass, 19 L seawater

Estimate of the areas of seabed affected by each component of, or sample taken as part of, the activity (m²):
No areas of the seabed were sampled or impacted by our activities.

Details of measures taken to avoid, mitigate or remedy adverse effects on the sensitive environment

Did you implement the contingency plan submitted to the EPA?

☐ Yes ☐ No

Explain: We were able to sample according to our original plan within the upper water column and using underway instruments (Chirp and ADCP) without impact to any sensitive environments.

Provide details of, and the reasons for, the measures taken to avoid, mitigate or remedy the effects of the activity:

Signature of authorised contact person

Name: [Redacted]

Title: [Redacted]

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