



# Application for a marine consent to undertake a discretionary activity

under section 38 of the Exclusive Economic Zone and Continental Shelf (Environmental Effects) Act 2012

Send by post to: Environmental Protection Authority, Private Bag 63002, Wellington 6140  
OR email to: [eez.info@epa.govt.nz](mailto:eez.info@epa.govt.nz).

Applicant

Trans-Tasman Resources Ltd

Date

23 August 2016

#### APPLICANT CHECKLIST

- Mandatory sections filled out
- Appendix attached
- Signed and dated

#### OFFICE USE ONLY

Application Number

Date received

EPA Contact

## Important

This application form should be used if you intend to apply for a marine consent under the Exclusive Economic Zone and Continental Shelf (Environmental Effects) Act 2012. The list of discretionary activities requiring a marine consent is described in the Exclusive Economic Zone and Continental Shelf (Environmental Effects) Act 2012 (the EEZ Act), which can be downloaded from

<http://www.legislation.govt.nz/act/public/2012/0072/latest/DLM3955428.html>

We recommend that you read Part 3 of the EEZ Act so that you are familiar with the information requirements for making an application. We have also prepared guidance, which is available on our website.

We recommend that you discuss these information requirements with EPA staff before lodging the application.

Contact details are: (04) 916 2426

All information contained in your lodged application will be available to the public.

This form was approved on 20 June 2013.

## 1. Applicant details

Name: Trans-Tasman Resources Ltd  
Address: PO Box 10-571, Wellington 6143  
Phone: 04 499 8875  
Fax: N/A  
Email: [shawn.thompson@ttl.co.nz](mailto:shawn.thompson@ttl.co.nz)  
Key contact: Shawn Thompson

## 2. Brief application description

Provide a short description (of approximately 30 words) of what you are applying to do.

Excavate iron sand from the seabed in the exclusive economic zone in the South Taranaki Bight, process that sand to remove iron particles and return the remaining sand / de-ored sediments to the seabed.

## 3. Types of activities covered in this application

This application relates to the following activities (please tick the relevant activities).

### ***Section 20(2) activities in the exclusive economic zone or in or on the continental shelf***

- the construction, placement, alteration, extension, removal, or demolition of a structure on or under the seabed;
- the construction, placement, alteration, extension, removal, or demolition of a submarine pipeline on or under the seabed;
- the placement, alteration, extension, or removal of a submarine cable on or from the seabed;
- the removal of non-living natural material from the seabed or subsoil;
- the disturbance of the seabed or subsoil in a manner that is likely to have an adverse effect on the seabed or subsoil;
- the deposit of any thing or organism in, on, or under the seabed;
- the destruction, damage, or disturbance of the seabed or subsoil in a manner that is likely to have an adverse effect on marine species or their habitat.

**Section 20(4) activities in the waters of the exclusive economic zone**

- the construction, mooring or anchoring long-term, placement, alteration, extension, removal, or demolition of a structure or part of a structure;
- the causing of vibrations (other than vibrations caused by the normal operation of a ship) in a manner that is likely to have an adverse effect on marine life;
- the causing of an explosion.

## 4. Full description of proposal

Please describe in detail your proposal including (but not limited to) such things as the nature of the activity, location (provide a map to illustrate and New Zealand map grid reference coordinates), timelines and proposed benefits. The impacts of your proposal on the environment and existing interests will be covered in your attached impact assessment.

Please also include the following information to help with decision making. Please include the page number(s) for the information.

| A full description of the proposal is contained in Section 2 of the Impact Assessment included as part of this Application Package.  | Page                |
|--|---------------------|
| 4.1. Discuss any engagement or consultation with Māori which has been undertaken, and summarise the outcomes.  | Section 6 of the IA |
| 4.2. Identify any wahi tapu sites  | N/A                 |
| 4.3. Information that addresses the consideration the decision-makers will take into account (in addition to the impact assessment), which are specific in sections 59 and 60 of the Act, underpinned by section 61. | Section 7 of the IA |

Trans-Tasman Resources Ltd is seeking marine consent under the Exclusive Economic Zone and Continental Shelf (Environmental Effects) Act 2012 (“**EEZ Act**”) to undertake iron ore extraction and processing operations in a total project area of 65.76 km<sup>2</sup>, location 22 to 36 km (12 to 19 NM) off the Taranaki Coastline in the South Taranaki Bight.

The Iron Sand Extraction and Processing Project (“**the Project**”) involves the excavation of up to 50 million tonnes per year (in any 12 month period) of seabed material containing iron sand, for processing on an Integrated Mining Vessel (“**IMV**”). Approximately 10% of the extracted material will be processed into iron ore concentrate for export, with residual material (up to 45 million tonnes per year, 12 month rolling average) returned to the seabed via a controlled discharge. The effects of discharges associated with the Project have been considered and assessed as effects of the activities that are the subject of this application.

Processing on the IMV involves separation of the ore from the seabed material using gravity and magnetic processes, and does not involve the use of any chemicals.

Processed ore will be transferred from the IMV to a Floating Storage and Offloading Vessel (“**FSO Vessel**”) and then to export vessels that will transport the iron ore to world markets for use in steel production.

A full description of the project, including the nature of the activities for which marine consent is sought, the location of the activities, timelines and positive benefits are included as part of the Impact Assessment which has been prepared to accompany the marine consent application.

## 5. Impact assessment

Attach your impact assessment to the end of this application as Appendix 1. Your assessment needs to contain the information below. Please include the page number(s) indicating where the information can be found within your assessment.

The impact assessment must contain the required information in:

- such detail as corresponds to the scale and significance of the effects that the activity may have on the environment and existing interests; and
- sufficient detail to enable the EPA and persons whose existing interests are or may be affected, to understand the nature of the activity and its effects on the environment and existing interests.

|  | <b>Page</b>            |
|--|------------------------|
| 5.1. Describe the activity for which consent is sought   | <b>Section 1 and 2</b> |
| 5.2. Describe the current state of the area where it is proposed that the activity will be undertaken and the environment surrounding the area   | <b>Section 3</b>       |
| 5.3. Identify the effects of the activity on the environment and existing interests (including cumulative effects and effects that may occur in New Zealand or in the sea above or beyond the continental shelf beyond the outer limits of the exclusive economic zone)  | <b>Section 4</b>       |
| 5.4. Identify persons whose existing interests are likely to be adversely affected by the activity   | <b>Section 3.13</b>    |
| 5.5. Describe any consultation undertaken with persons (whose existing interests are likely to be adversely affected by the activity) and specify those who have given written approval to the activity  | <b>Section 6</b>       |
| 5.6. Include copies of written approvals to the activity (if any). You can find a suggested template for written approvals on the EPA website.   | <b>N/A</b>             |
| 5.7. Specify any possible alternative locations for, or methods for undertaking, the activity that may avoid, remedy, or mitigate any adverse effects  | <b>Section 2.7</b>     |
| 5.8. Specify the measures that the applicant intends to take to avoid, remedy, or mitigate any adverse effects identified.<br><br>The measures that must be specified under this include any measures required by another marine management regime and any measures required by or under the Health and Safety in Employment Act 1992 that may have the effect of avoiding, remedying, or mitigating the adverse effects of the activity on the environment or existing interests. | <b>Section 5</b>       |

## 6. Other consents required/other requirements

Is this application for a marine consent part of a joint application for consent?

- No
- Yes, the consents required are listed below:

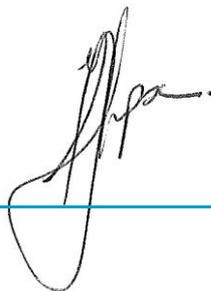
What other consents or permits/licences are required for the proposed activity?

- None:
- See list below

| Consent/permit/licence  | Authority                                       | If applied for, state reference number                                    |
|---|---|---|
| Marine discharge consents for discharge activities associated with this Project     | EPA   | Part of this same EPA application   |
| Crown Mineral Mining Permit   | Ministry of Business, Innovation and Employment | 55581   |
| Coastal Permits for Environmental Monitoring Equipment to be located within the CMA | Taranaki Regional Council                       | The application will be lodged if consent is granted for this application |

## 7. Signature of applicant or person authorised to sign on behalf of the applicant

- I understand that the EPA can recover its actual and reasonable costs associated with processing this application.



23 August 2016

Signed

Date

## 8. Additional contact information that would help us process the application

### Address for Service

Contact name: Phillip Hunter Mitchell

Address: Ground Floor, 25 Anzac Street, Takapuna, AUCKLAND 0622

Phone: +64 9 486 5773

Fax: N/A

Email: [phil.mitchell@mitchellpartnerships.co.nz](mailto:phil.mitchell@mitchellpartnerships.co.nz)

Billing address: Trans-Tasman Resources, PO Box 10-571, Wellington 6143

Phone: 04 499 8875

Fax: N/A

Email: [accounts@trl.co.nz](mailto:accounts@trl.co.nz)

Key contact: Andrew Stewart

## 9. Attachments (if any)

1. Impact Assessment prepared under s39 of the EEZ Act.
2. Appendices to the Impact Assessment.
3. EPA Marine Discharge Consent Application Form.
4. EPA Marine Consent and Marine Discharge Consent Completeness Tools.
5. Reports referenced in the Impact Assessment Volume 1 – 4 is also provided to assist in the interpretation of the Impact Assessment.