



Application for a marine discharge consent to undertake a notified or non-notified discretionary activity

Under section 87B of the Exclusive Economic Zone and Continental Shelf (Environmental Effects) Act 2012

Section 1: Applicant Details

Organisation name: Trans – Tasman Resources Ltd	
Postal address: PO Box 10-571, Wellington 6143	
Phone: 04 499 8875	Email:
Key Contact name: Shawn Thompson	
Phone:	Email: shawn.thompson@ttrl.co.nz
Permit/license number: Mineral Mining permit #55587	

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


23 August 2016

Signed **Date**

Lodge application:

- By post to: **Environmental Protection Authority, Private Bag 63002, Wellington 6140**
- In person at: **Environmental Protection Authority, Level 10, 215 Lambton Quay, Wellington**
- By email to: eez.info@epa.govt.nz.

OFFICE USE ONLY

Application Number

Date received

EPA Contact

Completing this application form

This application form should be used if you intend to apply for a marine discharge consent under the Exclusive Economic Zone and Continental Shelf (Environmental Effects) Act 2012 (the EEZ Act).

All notified and non-notified discretionary activities requiring a marine discharge consent are described in the Exclusive Economic Zone and Continental Shelf (Environmental Effects - Discharge and Dumping) Regulations 2015 (the D&D Regulations), which can be downloaded from:

<http://www.legislation.govt.nz/regulation/public/2015/0228/latest/DLM6594195.html?src=gs>.

We recommend that you read Part 3 including Subpart 2A of the EEZ Act and Part 6 Regulation 35 of the D&D regulations so that you are familiar with the information requirements for making an application.

Your application must:

- a) Be made in the prescribed form
- b) Fully describe the proposal
- c) Include an impact assessment prepared in accordance with section 39 and any regulations.

Please include information that addresses the matters the decision-maker will take into account (in addition to the impact assessment) which are specified in section 87D(2)(a) of the EEZ Act. You may attach additional information to supplement and support your application.

We recommend that you discuss these information requirements with EPA staff before lodging the application. Contact details are: 0800 208 338 (from within New Zealand) and +64 04 916 2426 (from overseas), or you can email the EEZ Consenting Team at EEZ.Info@epa.govt.nz.

You are requested to send the EEZ Consenting Team an electronic copy of your application. Please separate large documents into smaller files of no more than 5 MB.

If you are lodging this application at the same time as an application for any other marine consent, please reference the other application(s), along with all other attached documents in Section 6: Attachments.

Section 2: Identification of activity type

What type(s) of discharges are you applying for? Tick all the boxes that apply.

Non-notified activities		Notified discretionary activities	
<input type="checkbox"/>	Discharge of harmful substances described in regulation 4(a) and (b) from offshore processing drainage, displacement water, and production water from an existing structure	<input type="checkbox"/>	Discharge of harmful substances described in regulation 4(a) and (b) from offshore processing drainage, displacement water and production water unless discharged from an existing structure or for the purpose of a test flow of an exploration well
<input type="checkbox"/>	Discharge of harmful substances described in regulation 4(a) and (b) from production water for the purpose of a test flow of an exploration well		
<input type="checkbox"/>	Discharge of seawater contaminated with oil that exceeds 15 parts per million from operational purposes from existing FPSO or FSO	<input type="checkbox"/>	Discharge of seawater contaminated with oil that exceeds 15 parts per million from operational purposes from new structures
<input type="checkbox"/>	Discharge of harmful substances described in regulation 4(a) from mining activities	<input checked="" type="checkbox"/>	Discharge of sediments by mineral operations other than petroleum operations
<input type="checkbox"/>	Discharge of harmful substances contained in drilling fluids		

Existing structure	Structure in place prior to 31 Oct 2015	FPSO	Floating Production Storage and Offloading facility
New structure	Structure in place or to be placed after 31 Oct 2015	FSO	Floating Storage and Offloading facility

Section 3: Description of proposal

Please describe your proposal to enable the EPA and any reader to understand what you are proposing to do in the EEZ and why. Note that this description may be used on the EPA website to identify your proposal.

TTR propose to excavate iron sand from the seabed within the exclusive economic zone in the South Taranaki Bight. The iron sand will be processed on-board an Integrated Mining Vessel (IMV) to remove iron particles from the material before returning the remaining sand to the seabed. Marine discharge activities associated with the project are:

- The release of seabed material (sediments) as a result of the seabed disturbance during grade control drilling activities;
- The release of disturbed seabed material (sediments) as a result of the seabed disturbance during the crawler extraction operations;
- The release of de-ored sediments and any associated contaminants back to the water column from the IMV; and
- The release of disturbed seabed material (sediments) as a result of taking of sediment and benthic samples associated with environmental monitoring.

Section 4: Description of discharges

Under Reg 4(a) D&D Regulations, information is required for each substance subject to the application that is ecotoxic to aquatic organisms and is hazardous for the purposes of the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

Use Supplementary Form 01 for each additional substance to be discharged.

Product Name	N/A – as discharges do not meet the s4a definition of harmful substances
CAS # of each component	
HSNO Approval Code	
SDS provided (<5 years old)	
Hazard classification	
Specific gravity kg/m ³ (state temperature in oC)	
Max concentration of each component (in g/L and %)	
Substance state (If a liquid mixture, state whether an emulsion; suspension; other)	
Solubility in sea water (mg/L) (If a liquid mixture, state whether an emulsion, suspension or other)	
Use category	
Maximum concentration at point of discharge (ppm or mg/L)	
Maximum volume discharged per event	
Frequency of discharge (number per day, week or month)	
Minimum interval between discharges	
Toxicity endpoint – acute (short-term). Please provide supporting study	
Toxicity endpoint – chronic (long-term). Please provide supporting study	
Ecotoxicity endpoint – acute (short-term). Please provide supporting study	
Ecotoxicity endpoint – chronic (long-term). Please provide supporting study	
Bioaccumulation and persistence data. Please provide supporting study	
Sediment reworking species test report (for 'sinkers')	

Section 5: Section 87D(2)(a) EEZ Act assessment

Provide information relevant to your application to assist the decision-maker to assess your application against the matters described in section 87D(2)(a) of the EEZ Act. If the information is provided in attached documents, list these in section 6.

To support this application, Trans-Tasman Resources Limited (TTR) have prepared an Impact Assessment (and Appendices to the Impact Assessment) that describes the application in detail, provides an assessment of the environmental effects (including the effects of the discharges on human health) of the application (Section 4 of the IA) and provides an assessment of the application against the relevant Section 87D(2)(a) and 59(2) matters (Section 7 of the IA). Further, Attachment 1 of the Impact Assessment provides a set of proposed consent conditions that have been prepared in consultation with numerous stakeholders.

Section 6: Attachments

List **all** documents submitted with the application.

No.	Document name	Section/page reference
1	Impact assessment under s 39 EEZ Act including a description of effects/other matters under s 87D(2)(a) EEZ Act	Refer to the IA submitted with the Application Package
2	Proposed Consent Conditions	Attachment 1 of the IA
3	Appendices to the Impact Assessment	Refer to Appendices submitted with the Application Package
4	EPA Marine Consent Application Form	Refer to the Application Forms submitted with the Application Package
5	EPA Marine Consent and Marine Discharge Consent Completeness Tool Forms	Refer to Completeness Tools submitted with the Application Package
6	Reports referenced in the Impact Assessment Volume 1 – 4 is also provided to assist in the interpretation of the Impact Assessment.	Refer to 'Reports referenced in the Impact Assessment Volume 1- 4' submitted with the Application Package