

Discharge Permit
Pursuant to the Resource Management Act 1991
a resource consent is hereby granted by the
Taranaki Regional Council

Name of
Consent Holder: NZ Surveys 2020 Limited
14 Connett Road West
Bell Block
New Plymouth 4312

Decision Date 3 December 2020

Commencement Date 3 December 2020

Conditions of Consent

Consent Granted: To discharge contaminants to land where they may enter groundwater, including residues from detonation of explosive charges and degradation of unexploded charges, associated with undertaking a seismic survey

Expiry Date: 1 June 2025

Review Date(s): In accordance with special condition 10

Site Location: Turangi 3D survey area (various locations in the Turangi Area)

Grid Reference (NZTM) Various

Catchment: Various

*For General, Standard and Special conditions
pertaining to this consent please see reverse side of this document*

General condition

- a. The consent holder shall pay to the Taranaki Regional Council all the administration, monitoring and supervision costs of this consent, fixed in accordance with section 36 of the Resource Management Act 1991.

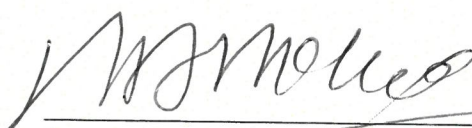
Special conditions

1. The activity shall be undertaken in general accordance with the information provided in support of the application for this consent. Where there is conflict between the application and the consent conditions the conditions shall prevail.
2. This consent authorises the discharge of contaminants resulting from undertaking a seismic survey only within the area shown on the map attached (Appendix 1). The contaminants include:
 - (a) those arising from placing charges of Dyno Nobel Geoprime® dBX™ explosive, each no more than 1 kg, at depths between 10 and 30 metres below ground; and
 - (b) residues from detonating charges of Dyno Nobel Geoprime® dBX™ explosive, each no more than 1 kg, at depths between 10 and 30 metres below ground.
3. No more than one charge shall be placed in each shot hole unless it is necessary to address a misfire, in which case another charge of up to 1 kg may be added.
4. The discharges shall be from the progressive detonation of charges with no detonations occurring after 30 April 2023.
5. The consent holder shall report the following information to the Chief Executive, Taranaki Regional Council on the first day of each month, with the first monthly report to include information in relation to all previous activity:
 - (a) the NZTM grid reference of the location of each shot hole;
 - (b) the depth of each shot hole and depth of the explosive;
 - (c) the amount of explosive in each shot hole;
 - (d) the date that each charge was detonated;
 - (e) the location of shot holes where the charge misfired and details of any additional charge that may have been placed in the hole; and
 - (f) the date that each shot hole is abandoned and details of the method of abandonment.
6. To prevent any effects on groundwater all shot holes shall be:
 - (a) capped at surface to prevent the ingress of surface water on the same day that the charge is placed and re-capped on the same day as detonation and data acquisition occurs; and
 - (b) restored and abandoned within 30 working days of detonation.
7. The activity shall not cause any change in groundwater quality that results in it being unsuitable for its current use.

8. The consent holder shall undertake a programme of sampling and testing that identifies the effects of the exercise of this consent on groundwater resources over the duration of the consent (the 'Monitoring Programme'). The Monitoring Programme may be reviewed from time to time but at all times shall be certified by the Chief Executive, Taranaki Regional Council, and shall include:
- (a) water quality criteria for applicable existing uses;
 - (b) the location of each sampling point and the frequency of sampling;
 - (c) a listing of analyses to be undertaken for contaminants that could result from the discharges authorised;
 - (d) specific monitoring of the effects of unexploded charges on groundwater quality;
 - (e) details of how and when the results of monitoring will be reported to the Taranaki Regional Council; and
 - (f) an appropriate abandonment procedure.
9. All sampling and analysis shall be undertaken in accordance with a Sampling and Analysis Plan, which shall be certified by the Chief Executive, Taranaki Regional Council before the activity commences. The plan shall specify the use of standard protocols recognised to constitute good professional practice including quality control and assurance. An International Accreditation New Zealand (IANZ) accredited laboratory shall be used for all sample analysis. Results shall be provided to the Chief Executive within 30 days of sampling and shall include supporting quality control and assurance information. These results will be used to assess compliance with condition 7.
- Note: The Sampling and Analysis Plan may be combined with the Monitoring Programme required by condition 8.*
10. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review within 3 months of receiving a report in accordance with condition 5 and/or 8 above, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Signed at Stratford on 3 December 2020

For and on behalf of
Taranaki Regional Council



A D McLay
Director - Resource Management

Appendix 1: Map of Turangi Seismic Survey Area

