

AB & DM Sybrandy Contracting Limited  
Quarry Monitoring Programme  
Biennial Report  
2011-2013  
Technical Report 2013-111

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Taranaki Regional Council  
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STRATFORD

October 2014



## **Executive summary**

AB & DM Sybrandy Contracting Limited (the Company) operates a quarry located on Waiteika Road, Opunake, in the Waiteika catchment. The following biennial report describes the monitoring programme implemented by the Taranaki Regional Council (the Council) to assess the Company's environmental performance over the period 1 July 2011 to 30 June 2013. The report also outlines the results of the monitoring carried out and assesses the environmental effects of the Company's activities.

The Company holds one resource consent (7519-1), authorising the discharge of treated stormwater and wastewater onto and into land from quarry activities. The consent includes a total of six conditions setting out the requirements that the Company must satisfy.

The Council's monitoring programme for the period under review included five site inspections. No adverse environmental impacts were noted during any of the inspections undertaken. All discharges of stormwater from the site were being contained to land, with no indication of any stormwater runoff entering any surface watercourse. The results of the visual inspections of the site and lack of any observable effects on the local environment meant no additional sampling was necessary during the period under review.

The Company has demonstrated a high level of environmental performance and compliance with its consent over the period being reported.

For reference, in the 2012-2013 year, 35% of consent holders in Taranaki monitored through tailored compliance monitoring programmes achieved a high level of environmental performance and compliance with their consents, while another 59% demonstrated a good level of environmental performance and compliance with their consents.

This report includes recommendations for the 2013-2015 monitoring period.



## Table of contents

	<b>Page</b>
1. Introduction	1
1.1 Structure of this report	1
1.2 Compliance monitoring and the Resource Management Act (1991)	1
1.2.1 Evaluation of environmental performance	2
1.3 Process description	3
1.3.1 Background	3
1.3.2 AB & DM Sybrandy Contracting Limited	4
1.4 Resource consent	5
1.4.1 Discharges of wastes to land	5
1.5 Monitoring programme	5
1.5.1 Introduction	5
1.5.2 Programme liaison and management	5
1.5.3 Site inspections	6
2. Results	7
2.1 Inspections	7
2.2 Results of discharge or receiving environment monitoring	7
2.3 Register of incidents	7
3. Discussion	9
3.1 Discussion of plant performance	9
3.2 Environmental effects of exercise of consent	9
3.3 Evaluation of performance	9
3.4 Alterations to monitoring programmes for 2011-2013	10
4. Recommendation	10
Glossary of common terms and abbreviations	11
Bibliography and references	13
Appendix I Resource consent held by Sybrandy Contracting Limited	

## List of tables

<b>Table 1</b>	Summary of performance for Consent 7519-1 discharge stormwater and waste water from quarry activities	9
----------------	-------------------------------------------------------------------------------------------------------	---

## List of figures

<b>Figure 1</b>	Location of Sybrandy	4
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## 1. Introduction

This report is the biennial report for the period 1 June 2011 to 30 July 2013 by the Taranaki Regional Council (the Council) describing the monitoring programme associated with the resource consent held by AB & DM Sybrandy Contracting Limited (Sybrandy Contracting). The Company operates a quarry situated on Waiteika Road, Opunake.

This report covers the results and findings of the monitoring programme implemented by the Council in respect of the consent held by Sybrandy Contracting that relates to discharges of treated stormwater and wastewater onto and into land from quarry activities. This is the first biennial report to be prepared by the Council to cover the Company's treated stormwater and wastewater discharges and their effects.

### 1.1 Structure of this report

Section 1 of this report is a background section. It sets out general information about compliance monitoring under the *Resource Management Act 1991* (the RMA) and the Council's obligations and general approach to monitoring sites through annual programmes, the resource consent held by Sybrandy Contracting in the Waiteika catchment, the nature of the monitoring programme in place for the period under review, and a description of the activities and operations conducted at the Sybrandy Contracting, Waiteika Road site.

Section 2 presents the results of monitoring during the period under review, including scientific and technical data.

Section 3 discusses the results, their interpretation, and their significance for the environment.

Section 4 presents recommendations to be implemented in the 2013-2015 monitoring period.

A glossary of common abbreviations and scientific terms, and a bibliography, are presented at the end of the report.

### 1.2 Compliance monitoring and the Resource Management Act (1991)

The RMA primarily addresses environmental 'effects' which are defined as positive or adverse, temporary or permanent, past, present or future, or cumulative. Effects may arise in relation to:

- (a) the neighbourhood or the wider community around an activity, and may include cultural and social-economic effects;
- (b) physical effects on the locality, including landscape, amenity and visual effects;
- (c) ecosystems, including effects on plants, animals, or habitats, whether aquatic or terrestrial;

- (d) natural and physical resources having special significance (eg, recreational, cultural, or aesthetic);
- (e) risks to the neighbourhood or environment.

In drafting and reviewing conditions on discharge permits, and in implementing monitoring programmes, the Council is recognising the comprehensive meaning of 'effects' inasmuch as is appropriate for each activity. Monitoring programmes are not only based on existing permit conditions, but also on the obligations of the RMA to assess the effects of the exercise of consents. In accordance with section 35 of the RMA, the Council undertakes compliance monitoring for consents and rules in regional plans, and maintains an overview of the performance of resource users and consent holders. Compliance monitoring, including both activity and impact monitoring, enables the Council to continually re-evaluate its approach and that of consent holders to resource management and, ultimately, through the refinement of methods and considered responsible resource utilisation, to move closer to achieving sustainable development of the region's resources.

### 1.2.1 Evaluation of environmental performance

Besides discussing the various details of the performance and extent of compliance by the consent holder(s) during the period under review, this report also assigns an overall rating. The categories used by the Council, and their interpretation, are as follows:

- a **high** level of environmental performance and compliance indicates that essentially there were no adverse environmental effects to be concerned about, and no, or inconsequential (such as data supplied after a deadline) non-compliance with conditions.
- a **good** level of environmental performance and compliance indicates that adverse environmental effects of activities during the monitoring period were negligible or minor at most, or, the Council did not record any verified unauthorised incidents involving significant environmental impacts and was not obliged to issue any abatement notices or infringement notices, or, there were perhaps some items noted on inspection notices for attention but these items were not urgent nor critical, and follow-up inspections showed they have been dealt with, and any inconsequential non-compliances with conditions were resolved positively, co-operatively, and quickly.
- **improvement desirable (environmental) or improvement desirable (administrative compliance)** (as appropriate) indicates that the Council may have been obliged to record a verified unauthorised incident involving measurable environmental impacts, and/or, there were measurable environmental effects arising from activities and intervention by Council staff was required and there were matters that required urgent intervention, took some time to resolve, or remained unresolved at the end of the period under review, and/or, there were on-going issues around meeting resource consent conditions even in the absence of environmental effects. Abatement notices may have been issued.
- **poor performance (environmental) or poor performance (administrative compliance)** indicates generally that the Council was obliged to record a verified



unauthorised incident involving significant environmental impacts, or there were material failings to comply with resource consent conditions that required significant intervention by the Council even in the absence of environmental effects. Typically there were grounds for either a prosecution or an infringement notice.

For reference, in the 2012-2013 year, 35% of consent holders in Taranaki monitored through tailored compliance monitoring programmes achieved a high level of environmental performance and compliance with their consents, while another 59% demonstrated a good level of environmental performance and compliance with their consents.

## **1.3 Process description**

### **1.3.1 Background**

In the past, a large percentage of aggregate production came from river-based sites within Taranaki. The Waiwhakaiho River supplied much of New Plymouth's requirements as far back as the 1950s with the Waitara River, Waiongana River, Kapuni Stream and Waingongoro River also providing a valuable source of aggregate. The aggregate source within these rivers was often over-exploited. The protective armouring of the boulders and gravel was removed in places, exposing the underlying erodible ash beds and creating deep narrow channels, which moved progressively upstream with no noticeable recovery. This brought about the need for the Shingle Extraction Bylaw introduced in 1974. Aggregate extraction from rivers was then controlled through the issue of permits accompanied by a set of conditions, with the removal of river-based aggregate being restricted to that for river control purposes only.

Historically, land-based sites required steady markets to compete with the easily won river-based extraction operations. However, in the early 1980s, due to the restriction placed on river-based aggregate extraction (and the completion of various major river control programmes and 'Think Big' projects) land-based sites became more widespread (Taranaki Regional Council, 1992).

Twenty-eight operating quarries presently supply aggregate in Taranaki. These quarries are generally located in a reasonable proximity to urban areas, from which the greatest demand for aggregate stems.

Provision of aggregate to meet longer term demand will continue to be dominated by several large quarry operations. Extra demand on alluvial terraces and laharic deposits has occurred due to the controlled river bed extraction. These resources are of good quality and are relatively plentiful. Importation of various aggregates may need to continue to meet the requirement for aggregate types not available in Taranaki.

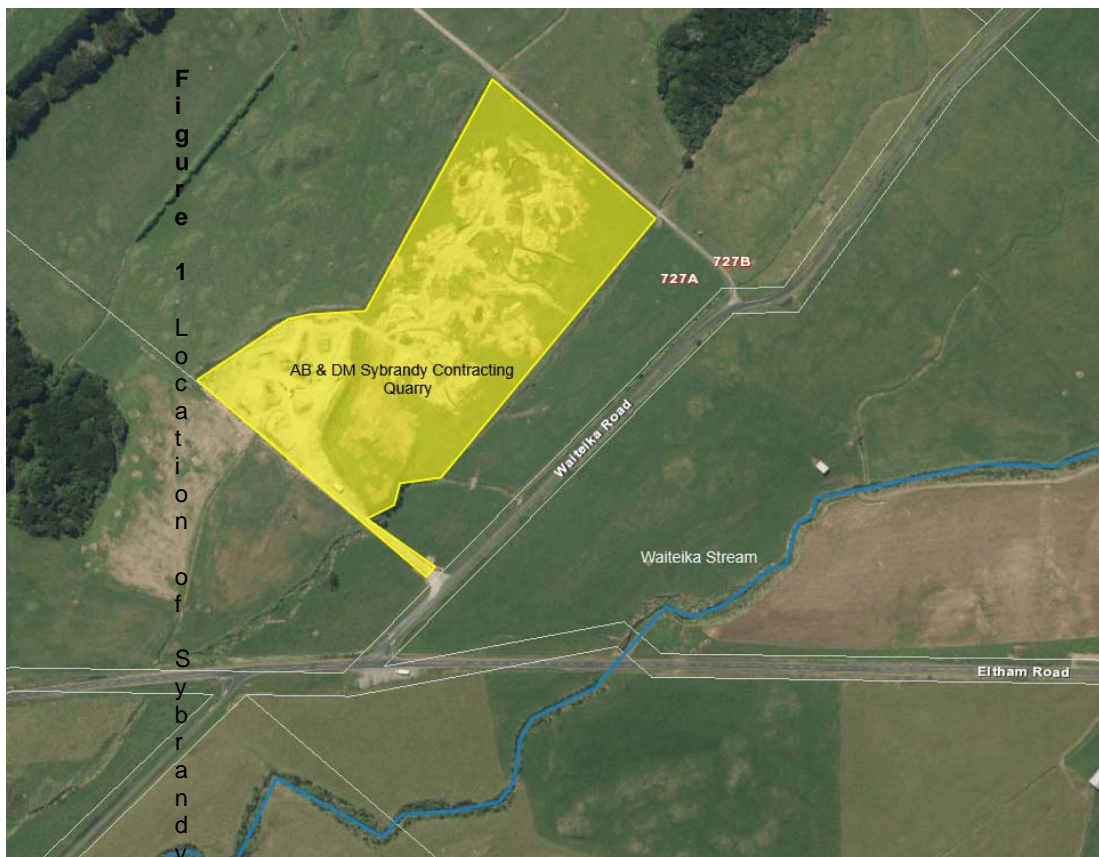
Quarrying and extraction of gravel in New Zealand is regulated by two statutory processes. Allocation and protection of priority rights to extract gravel is obtained under the Crown Minerals Act from New Zealand Petroleum and Minerals, a division of the Ministry of Economic Development.

Regulatory responsibility for control of environmental effects of quarrying and extraction is under the RMA as applied by respective regional councils. In some cases these controls may act as a constraint or limitation on allocation decisions.

Sections 15 and 30 of the RMA give regional councils responsibility for the discharge of contaminants into the environment. Discharges of water into water, contaminants onto or into land that may result in water contamination, and contaminants from industrial premises into air or onto/into land, may not take place unless expressly allowed by a rule in a regional plan, a resource consent, or regulations. Aggregate extraction usually involves washing aggregates, and therefore requires the discharge of wastes. Other discharges, such as emissions to air from crushing and processing plants, disposal of spoil and solid wastes, and discharges of stormwater are also the responsibility of regional councils.

### 1.3.2 AB & DM Sybrandy Contracting Limited

The quarry activities at the Sybrandy Contracting site involve the extraction of rock and gravels from the lahar mounds from various locations across the site. Initially, vegetation and topsoil is removed and stockpiled until the gravel surface is laid bare. Only 1.5 ha of the site is excavated at any one time. Once removed, the material is crushed and/or screened. A small wash plant operates onsite to wash the specialised products using water extracted from the onsite settling ponds. The quarry excavates up to 20,000 cubic metres of metal per year.



**Figure 1** Location of the Sybrandy Contracting quarry site.

## **1.4 Resource consent**

### **1.4.1 Discharges of wastes to land**

Sections 15(1)(b) and (d) of the RMA stipulate that no person may discharge any contaminant onto land if it may then enter water, or from any industrial or trade premises onto land under any circumstances, unless the activity is expressly allowed for by a resource consent, a rule in a regional plan, or by national regulations.

Sybrandy Contracting Limited holds discharge permit **7519-1** to cover the discharge of treated stormwater and waste water onto and into land from quarry activities. This permit was issued by the Council on 10 August 2011 under Section 87(e) of the RMA. It is due to expire on 1 June 2024.

There are six special conditions associated with consent **7519-1**.

Special condition 1 limits the size of the quarrying operation.

Special condition 2 relates to settlement pond and sediment trap specifications.

Special condition 3 relates to notification to the Council.

Special condition 4 relates to stabilisation of earthwork areas.

Special conditions 5 and 6 relate to consent lapse and review.

A copy of the permit is attached to this report in Appendix I.

## **1.5 Monitoring programme**

### **1.5.1 Introduction**

Section 35 of the RMA sets out obligations upon the Council to gather information, monitor, and conduct research on the exercise of resource consents, and the effects arising, within the Taranaki region and report upon these.

The Council may therefore make and record measurements of physical and chemical parameters, take samples for analysis, carry out surveys and inspections, conduct investigations, and seek information from consent holders.

The monitoring programme for the Sybrandy Contracting site consisted of two primary components.

### **1.5.2 Programme liaison and management**

There is generally a significant investment of time and resources by the Taranaki Regional Council in:

- ongoing liaison with resource consent holders over consent conditions and their interpretation and application;
- in discussion over monitoring requirements;
- preparation for any reviews;

- renewals;
- new consents;
- advice on the Council's environmental management strategies and content of regional plans and;
- consultation on associated matters.

### **1.5.3 Site inspections**

The Sybrandy Contracting Limited site was visited five times during the monitoring period. With regard to consents for the abstraction of or discharge to water, the main points of interest were plant processes with potential or actual discharges to receiving watercourses, including contaminated stormwater and process wastewaters. Air inspections focused on plant processes with associated actual and potential emission sources and characteristics, including potential odour, dust, noxious or offensive emissions. Sources of data being collected by the consent holder were identified and accessed, so that performance in respect of operation, internal monitoring, and supervision could be reviewed by the Council. The neighbourhood was surveyed for environmental effects.

## **2. Results**

### **2.1 Inspections**

Inspection notes from the five inspection visits carried out during the period being reported are summarised below.

#### **3 October 2011**

The inspection was undertaken during a period of rainfall. Some product was stockpiled on site, and some was being trucked off site. The area to the south was reinstated. Extraction was taking place to the north of the quarry. All stormwater was being directed to sediment ponds which looked to be working satisfactory. The site was tidy and complying with consent conditions at the time of inspection.

#### **27 February 2012**

Product was being screened and trucked off site. The area to the south of the quarry had been reinstated and looked good. Extraction was taking place on the north side of the quarry. The sediment ponds needed a clean out before winter. The site was tidy and complying with consent conditions at the time of inspection.

#### **11 July 2012**

Product was being trucked off site. Some product was stockpiled. Extraction was taking place to the north of the quarry. Some of the area was soon to be remediated. The old extraction area looked great, with good grass cover. The sediment ponds were looking good also. There were no ponding or dust issues at the time of inspection.

#### **14 September 2012**

Recent wet weather had slowed things down, but there had been nothing out of the ordinary occurring onsite. At the time of inspection, extraction was occurring on the western side of the quarry, as was processing. There was product stockpiled, and all stormwater was being directed to the settling pond which looked good. There were no ponding or dust issues. The site was tidy and complying with consent conditions at the time of inspection.

#### **5 January 2013**

Processing was occurring at the time of inspection. The site was clean and tidy. The extraction area looking good and the silt ponds were working well.

### **2.2 Results of discharge or receiving environment monitoring**

No discharge or receiving environment sampling was warranted during the period being reported as no adverse effects were identified during any visual inspections of the site.

### **2.3 Register of incidents**

The Council operates and maintains a register of all complaints or reported and discovered excursions from acceptable limits and practices, including non-compliance with consents, which may damage the environment. The Incident Register (IR)

includes events where the company concerned has itself notified the Council. The register contains details of any investigation and corrective action taken.

Incidents may be alleged to be associated with a particular site. If there is an issue of legal liability, the Council must be able to prove by investigation that the identified company is indeed the source of the incident (or that the allegation cannot be proven).

In the 2011-2013 period, the Council was not required to undertake significant additional investigations and interventions, or record incidents, in association with Sybrandy Contracting's resource consent or provisions in Regional Plans.

### 3. Discussion

#### 3.1 Discussion of plant performance

The Sybrandy Contracting site was visited on five occasions during the 2011 to 2013 monitoring period. During all inspections the site was noted as being generally neat and tidy.

The discharge of storm water and waste water runoff was to land and no adverse effects associated with the discharge was noted during inspection visits. Consequently, no additional sampling was warranted.

There were no incidents register in relation to activities at the site over the period being reported and the Company demonstrated a high level of environmental performance and compliance with its consent.

#### 3.2 Environmental effects of exercise of consent

The main potential environment effect on waterways that quarries have is the discharges of stormwater and/or washwater containing high sediment concentrations into surface watercourses. Such discharges can result in discolouration of the waterways and may result in smothering of benthic life forms, form a barrier to fish movement and may affect fish spawning habitats.

The Council monitors for possible effects on stream life by conducting a visual inspection of the streambed both up and downstream of the quarry.

Inspections of the site undertaken by the Council indicate that the discharges of stormwater from the site were being contained on land. Visual inspections of local watercourses showed no evidence of any discharges to water or any associated adverse effects of quarry operations.

#### 3.3 Evaluation of performance

A summary of the Company's compliance record for the period under review is set out in Table 1.

**Table 1** Summary of performance for Consent **7519-1** discharge stormwater and waste water from quarry activities

Condition requirement	Means of monitoring during period under review	Compliance achieved?
1. Limits on size of quarry	Inspections of site	Yes
2. Treatment pond specifications	Inspection of ponds	Yes
3. Advise TRC in writing at least 7 days prior to works commencing	Notification received	Yes

Condition requirement	Means of monitoring during period under review	Compliance achieved?
4. Earthwork areas to be stabilised vegetatively or otherwise as soon as possible	Inspections of site	Yes
5. Consent lapse	N/A	N/A
6. Review, amend, delete, or add to conditions of consent.	Next optional review date June 2018	N/A
Overall assessment of consent compliance and environmental performance in respect of this consent		High

N/A = not applicable

The Company has demonstrated a high level of environmental performance and compliance with its consent during the period under review. Inspections found the site was neat and tidy. The discharge of stormwater from the site was confined to land and there were no adverse effects associated with quarry operations observed in any surface waterbody.

### 3.4 Alterations to monitoring programmes for 2011-2013

In designing and implementing the monitoring programmes for air/water discharges in the region, the Taranaki Regional Council has taken into account the extent of information made available by previous authorities, its relevance under the RMA the obligations of the Act in terms of monitoring emissions/discharges and effects, and subsequently reporting to the regional community. The Council also takes into account the scope of assessments required at the time of renewal of permits, and the need to maintain a sound understanding of industrial processes within Taranaki emitting to the atmosphere/discharging to the environment.

It is proposed that for the 2013-2015 period, monitoring continues at the same level as during the period being reported. A recommendation to this effect is presented in section 4 of this report.

## 4. Recommendation

1. THAT monitoring associated with quarrying activities at the Sybrandy Contracting Limited site in the forthcoming 2013-2015 monitoring period continue at the same level as in the 2011-2013 period.



## Glossary of common terms and abbreviations

The following abbreviations and terms are used within this report:

Al*	aluminium
As*	arsenic
Biomonitoring	assessing the health of the environment using aquatic organisms
BOD	biochemical oxygen demand. A measure of the presence of degradable organic matter, taking into account the biological conversion of ammonia to nitrate
BODF	biochemical oxygen demand of a filtered sample
bund	a wall around a tank to contain its contents in the case of a leak
CBOD	carbonaceous biochemical oxygen demand. A measure of the presence of degradable organic matter, excluding the biological conversion of ammonia to nitrate
cfu	colony forming units. A measure of the concentration of bacteria
COD	chemical oxygen demand. A measure of the oxygen required to oxidise all matter in a sample by chemical reaction.
Condy	Conductivity, an indication of the level of dissolved salts in a sample, usually measured at 20°C and expressed in mS/m
Cu*	copper
DO	dissolved oxygen
DRP	dissolved reactive phosphorus
<i>E.coli</i>	<i>Escherichia coli</i> , an indicator of the possible presence of faecal material and pathological micro-organisms. Usually expressed as the number of colonies per 100 ml
Ent	Enterococci, an indicator of the possible presence of faecal material and pathological micro-organisms. Usually expressed as the number of colonies per 100 ml
F	Fluoride
FC	Faecal coliforms, an indicator of the possible presence of faecal material and pathological micro-organisms. Usually expressed as the number of colonies per 100 ml
fresh	elevated flow in a stream, such as after heavy rainfall
g/m <sup>3</sup>	grammes per cubic metre, and equivalent to milligrammes per litre (mg/L). In water, this is also equivalent to parts per million (ppm), but the same does not apply to gaseous mixtures
l/s	litres per second
MCI	macroinvertebrate community index; a numerical indication of the state of biological life in a stream that takes into account the sensitivity of the taxa present to organic pollution in stony habitats
mS/m	millisiemens per metre
mixing zone	the zone below a discharge point where the discharge is not fully mixed with the receiving environment. For a stream, conventionally taken as a length equivalent to 7 times the width of the stream at the discharge point.
NH <sub>4</sub>	ammoniacal nitrogen, normally expressed in terms of the mass of nitrogen (N)

NH <sub>3</sub>	unionised ammonia nitrogen, normally expressed in terms of the mass of nitrogen (N)
NO <sub>3</sub>	nitrate, normally expressed in terms of the mass of nitrogen (N)
NTU	Nephelometric Turbidity Unit, a measure of the turbidity of water
O&G	oil and grease, defined as anything that will dissolve into a particular organic solvent (e.g. hexane). May include both animal material (fats) and mineral matter (hydrocarbons)
Pb*	lead
pH	a numerical system for measuring acidity in solutions, with 7 as neutral. Numbers lower than 7 are increasingly acidic and higher than 7 are increasingly alkaline. The scale is logarithmic i.e. a change of 1 represents a ten-fold change in strength. For example, a pH of 4 is ten times more acidic than a pH of 5.
Physicochemical	measurement of both physical properties(e.g. temperature, clarity, density) and chemical determinants ( e.g. metals and nutrients) to characterise the state of an environment
PM <sub>10</sub>	relatively fine airborne particles (less than 10 micrometre diameter
resource consent	refer Section 87 of the RMA. Resource consents include land use consents (refer Sections 9 and 13 of the RMA), coastal permits (Sections 12, 14 and 15), water permits (Section 14) and discharge permits (Section 15)
RMA	RMA1991 and subsequent amendments
SS	suspended solids,
Temp	temperature, measured in °C
Turb	turbidity, expressed in NTU
UI	Unauthorised Incident
UIR	Unauthorised Incident Register - contains a list of events recorded by the Council on the basis that they may have the potential or actual environmental consequences that may represent a breach of a consent or provision in a Regional Plan
Zn*	zinc

\*an abbreviation for a metal or other analyte may be followed by the letter 'As', to denote the amount of metal recoverable in acidic conditions. This is taken as indicating the total amount of metal that might be solubilised under extreme environmental conditions. The abbreviation may alternatively be followed by the letter 'D', denoting the amount of the metal present in dissolved form rather than in particulate or solid form. For further information on analytical methods, contact the Council's laboratory

## **Bibliography and references**

Taranaki Regional Council, 2011: Sybrandy AB & DM Contracting Limited Monitoring Programme. Biennial Report 2009-2011', Taranaki Regional Council Report.

Taranaki Regional Council, 1992: Regional Policy Statement Working Paper. Aggregate extraction in Taranaki. Taranaki Regional Council Report.

## **Appendix I**

**Resource consent held by  
Sybrandy Contracting Limited**



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

Name of  
Consent Holder: Grant Cudby Contracting Limited  
12 Beech Place  
Hawera 4610

Decision Date: 10 August 2009

Commencement Date: 10 August 2009

**Conditions of Consent**

Consent Granted: To discharge treated stormwater and wastewater onto and into land from quarry activities

Expiry Date: 01 June 2024

Review Date(s): June 2012, June 2018

Site Location: Waiteika Road, Opunake

Legal Description: Pt Sec 44 & Sec 45 Blk X Opunake SD

Grid Reference (NZTM) 1680465E-5634766N

Catchment: Waiteika

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

### General conditions

- a) On receipt of a requirement from the Chief Executive, Taranaki Regional Council the consent holder shall, within the time specified in the requirement, supply the information required relating to the exercise of this consent.
- b) Unless it is otherwise specified in the conditions of this consent, compliance with any monitoring requirement imposed by this consent must be at the consent holder's own expense.
- c) The consent holder shall pay to the Council all required administrative charges fixed by the Council pursuant to section 36 in relation to:
  - i) the administration, monitoring and supervision of this consent; and
  - ii) charges authorised by regulations.

### Special conditions

1. The active area of the quarry shall not exceed 1.5 hectares at any one time.
2. If any area of soil is exposed, all run off from that area shall pass through settlement ponds or sediment traps with a minimum total capacity of:
  - a) 100 cubic metres for every hectare of exposed soil between 1 November to 30 April; and
  - b) 200 cubic metres for every hectare of exposed soil between 1 May to 31 October;unless other sediment control measures that achieve an equivalent standard are agreed to by the Chief Executive of the Taranaki Regional Council.
3. At least 7 working days prior to the commencement of works the consent holder shall notify the Taranaki Regional Council of the proposed start date for the work. Notification shall include the consent number and a brief description of the activity consented and shall be emailed to [worknotification@trc.govt.nz](mailto:worknotification@trc.govt.nz). Notification by fax or post is acceptable only if the consent holder does not have access to email.
4. All earthwork areas shall be stabilised vegetatively or otherwise as soon as is practicable immediately following completion of soil disturbance activities.
5. This consent shall lapse on 30 September 2014, unless the consent is given effect to before the end of that period or the Taranaki Regional Council fixes a longer period pursuant to section 125(1)(b) of the Resource Management Act 1991.

Consent 7519-1

6. 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 during the month of June 2012 and/or June 2018, 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.

Transferred at Stratford on 16 June 2014

For and on behalf of  
Taranaki Regional Council

---

A D McLay  
**Director - Resource Management**





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

CHIEF EXECUTIVE  
PRIVATE BAG 713  
47 CLOTEN ROAD  
STRATFORD  
NEW ZEALAND  
PHONE: 06-765 7127  
FAX: 06-765 5097  
[www.trc.govt.nz](http://www.trc.govt.nz)

Please quote our file number  
on all correspondence

Name of  
Consent Holder: AB & DM Sybrandy Contracting Limited  
15 Livingston Road  
R D 11  
HAWERA 4671

Consent Granted  
Date: 10 August 2009

**Conditions of Consent**

Consent Granted: To discharge treated stormwater and wastewater onto and  
into land from quarry activities at or about (NZTM)  
1680465E-5634766N

Expiry Date: 1 June 2024

Review Date(s): June 2012, June 2018

Site Location: Waiteika Road, Opunake

Legal Description: Pt Sec 44 & Sec 45 Blk X Opunake SD

Catchment: Waiteika

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

[www.trc.govt.nz](http://www.trc.govt.nz)

Doc# 644609-v1

## Consent 7519-1

### General conditions

- a) On receipt of a requirement from the Chief Executive, Taranaki Regional Council the consent holder shall, within the time specified in the requirement, supply the information required relating to the exercise of this consent.
- b) Unless it is otherwise specified in the conditions of this consent, compliance with any monitoring requirement imposed by this consent must be at the consent holder's own expense.
- c) The consent holder shall pay to the Council all required administrative charges fixed by the Council pursuant to section 36 in relation to:
  - i) the administration, monitoring and supervision of this consent; and
  - ii) charges authorised by regulations.

### Special conditions

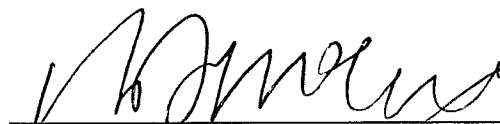
1. The active area of the quarry shall not exceed 1.5 hectares at any one time.
2. If any area of soil is exposed, all run off from that area shall pass through settlement ponds or sediment traps with a minimum total capacity of;
  - a) 100 cubic metres for every hectare of exposed soil between 1 November to 30 April; and
  - b) 200 cubic metres for every hectare of exposed soil between 1 May to 31 October;unless other sediment control measures that achieve an equivalent standard are agreed to by the Chief Executive of the Taranaki Regional Council.
3. At least 7 working days prior to the commencement of works the consent holder shall notify the Taranaki Regional Council of the proposed start date for the work. Notification shall include the consent number and a brief description of the activity consented and shall be emailed to [worknotification@trc.govt.nz](mailto:worknotification@trc.govt.nz). Notification by fax or post is acceptable only if the consent holder does not have access to email.
4. All earthwork areas shall be stabilised vegetatively or otherwise as soon as is practicable immediately following completion of soil disturbance activities.
5. This consent shall lapse on 30 September 2014, unless the consent is given effect to before the end of that period or the Taranaki Regional Council fixes a longer period pursuant to section 125(1)(b) of the Resource Management Act 1991.

Consent 7519-1

6. 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 during the month of June 2012 and/or June 2018, 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 10 August 2009

For and on behalf of  
Taranaki Regional Council



Director-Resource Management