

Regional Cleanfill
Monitoring Programme
Annual Report
2017-2018

Technical Report 2018-83

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Executive summary

The Taranaki Regional Council (the Council) implements a co-ordinated monitoring programme for a number of cleanfill operators within the Taranaki region. Specifically this programme covers cleanfills operated by AA Contracting Ltd (AA Contracting), A & A George Family Trust (George Family), AE Riddick (Riddick), BJ & LB Bishop (Bishop), Dennis Wheeler Earthmoving Ltd, Downer EDI Works Ltd (Downer) (three sites), Gas and Plumbing Ltd (Gas and Plumbing), Graham Harris Ltd (Graham Harris), JW & CT Bailey Ltd (Bailey), Rocky Bay Holdings Ltd (Rocky Bay), Taranaki Trucking Company Ltd (Taranaki Trucking), and TPJ Partnership (TPJ).

This report for the period July 2017 to June 2018 describes the monitoring programme implemented by the Council to assess the environmental performance at each of these sites during the period under review. The report details the results of the monitoring undertaken and assesses the environmental effects of these cleanfilling activities.

Within this programme, the 14 consented cleanfill operations monitored hold a total of 17 resource consents, which include a total of 190 conditions that the cleanfill operators must satisfy. The consents covering the activities monitored under this programme consist of one consent to discharge leachate and stormwater, three consents relating to piping and culverts, and 13 consents to discharge cleanfill onto and into land.

During the period under review AA Contracting, Riddick, Downer (Dorset Road), Bailey, Bishop, Downer (Veale Road), Dennis Wheeler Earthmoving, Downer (South Road), Gas and Plumbing, Rocky Bay, Taranaki Trucking and TPJ all demonstrated an overall high level of environmental performance.

During the period under review George Family demonstrated an overall good level of environmental performance.

During the year, an improvement was required in Graham Harris's level of environmental performance.

The Council's monitoring programme included 38 inspections, with each site receiving either two or three scheduled inspections. The Council collected 14 water samples for physicochemical analysis during the 2017-2018 year.

No adverse environmental effects were observed as a result of any of the consent holders' activities at the time of the visual inspections, or during analysis of the discharge and receiving water samples. There was little, if any unauthorised material found at most of the sites, and where unauthorised materials were found, these items were dealt with appropriately.

During the period under review AA Contracting, Riddick, Downer (Dorset Road), Bailey, Bishop, Downer (Veale Road), Downer (South Road), Dennis Wheeler Earthmoving, Gas and Plumbing, Rocky Bay and Taranaki Trucking demonstrated a high level of environmental and a high administrative performance with their resource consents. Due to the lapsing of the piping consent at the Taranaki Trucking site, it is noted that no filling can now occur under the cleanfill consent until the required piping has been re-consented and installed.

During the period under review, TPJ demonstrated a high level of environmental performance with their resource consents. An improvement was required in TPJ's level of administrative performance as defined in Section 1.1.5. The riparian planting required by the culverting consent (that also retrospectively covers approximately 675 m of culverting) had fallen behind schedule during the year under review.

During the year, George Family demonstrated a good level of environmental and administrative performance with their resource consent as defined in Section 1.1.5. Stockpiles of mulch were placed on a

previously filled area of the cleanfill site that had not yet been reinstated, without leachate controls being put in place. The necessary controls were agreed at inspection and were installed as agreed.

During the year, an improvement was required in Graham Harris Ltd's environmental and administrative performance with their resource consents as defined in Section 1.1.5. Although the site was found to be well managed at inspection, there was a slip from a reinstated area of the cleanfill into the unnamed tributary of the Mangaemiemi Stream.

For reference, in the 2017-2018 year, consent holders were found to achieve a high level of environmental performance and compliance for 76% of the consents monitored through the Taranaki tailored monitoring programmes, while for another 20% of the consents, a good level of environmental performance and compliance was achieved.

This report includes recommendations for the 2018-2019 monitoring period including recommendations relating to optional reviews of consents 5877-2 (Bishop) and 10202-1 (TPJ).

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1 Introduction

1.1 Compliance monitoring programme reports and the Resource Management Act 1991

1.1.1 Introduction

This report is for the period July 2017 to June 2018 by the Taranaki Regional Council (the Council) on a combined monitoring programme associated with resource consents held by cleanfill consent holders. Cleanfill consent holders operated at various locations throughout the Taranaki region as listed in Table 1. There are additional site specific programmes for other cleanfill sites linked to quarrying activities, which are reported on separately.

This report includes the results and findings of the monitoring programme implemented by the Council in respect of the consents held by the cleanfill consent holders. These consents relate to the discharge of contaminants onto and into land and discharge to water.

One of the intents of the *Resource Management Act 1991* (RMA) is that environmental management should be integrated across all media, so that a consent holder's use of water, air, and land should be considered from a single comprehensive environmental perspective. Accordingly, the Council generally implements integrated environmental monitoring programmes and reports the results of the programmes jointly. This report discusses the environmental effects of cleanfill consent holders' use of water, land and air, and is the 12th combined report by the Council for cleanfills in the region.

1.1.2 Structure of this report

Section 1 of this report is a background section. It sets out general information about:

- consent compliance monitoring under the RMA and the Council's obligations;
- the Council's approach to monitoring sites through annual programmes;
- the resource consents held by cleanfill operators in the region;
- the nature of the monitoring programme in place for the period under review; and
- a description of the activities and operations conducted in the Companies sites/catchments.

Section 2-13 present the results for each cleanfill site, discuss their significance for the environment and make recommendations for the 2018-2019 monitoring year.

Section 14 summarises the recommendations to be implemented in the 2018-2019 monitoring year.

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

1.1.3 The Resource Management Act 1991 and monitoring

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 (for example recreational, cultural, or aesthetic); and

- 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.

1.1.4 Investigations, interventions, and incidents

The monitoring programme for the year was based on what was considered to be an appropriate level of monitoring, review of data, and liaison with the consent holder. During the year matters may arise which require additional activity by the Council, for example provision of advice and information, or investigation of potential or actual causes of non-compliance, or failure to maintain good practices. A pro-active approach that in the first instance avoids issues occurring is favoured.

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

Complaints may be alleged to be associated with a particular site. If there is potentially 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).

1.1.5 Evaluation of environmental and administrative performance

Besides discussing the various details of the performance and extent of compliance by the consent holders, this report also assigns a rating as to each Company's environmental and administrative performance during the period under review.

Environmental performance is concerned with actual or likely effects on the receiving environment from the activities during the monitoring year. Administrative performance is concerned with the Company's approach to demonstrating consent compliance in site operations and management including the timely provision of information to Council (such as contingency plans and water take data) in accordance with consent conditions.

Events that were beyond the control of the consent holder and unforeseeable (that is a defence under the provisions of the RMA can be established) may be excluded with regard to the performance rating applied. For example loss of data due to a flood destroying deployed field equipment.

The categories used by the Council for this monitoring period, and their interpretation, are as follows:

Environmental Performance

High: No or inconsequential (short-term duration, less than minor in severity) breaches of consent or regional plan parameters resulting from the activity; no adverse effects of significance noted or likely in the receiving environment. 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 in relation to such impacts.

Good: Likely or actual adverse effects of activities on the receiving environment were negligible or minor at most. There were some such issues noted during monitoring, from self reports, or in response to unauthorised incident reports, but these items were not critical, and follow-up inspections showed they have been dealt with. These minor issues were resolved positively, co-operatively, and quickly. The Council was not obliged to issue any abatement notices or infringement notices in relation to the minor non-compliant effects; however abatement notices may have been issued to mitigate an identified potential for an environmental effect to occur.

For example:

- High suspended solid values recorded in discharge samples, however the discharge was to land or to receiving waters that were in high flow at the time;
- Strong odour beyond boundary but no residential properties or other recipient nearby.

Improvement required: Likely or actual adverse effects of activities on the receiving environment were more than minor, but not substantial. There were some issues noted during monitoring, from self reports, or in response to unauthorised incident reports. Cumulative adverse effects of a persistent minor non-compliant activity could elevate a minor issue to this level. Abatement notices and infringement notices may have been issued in respect of effects.

Poor: Likely or actual adverse effects of activities on the receiving environment were significant. There were some items noted during monitoring, from self reports, or in response to unauthorised incident reports. Cumulative adverse effects of a persistent moderate non-compliant activity could elevate an 'improvement required' issue to this level. Typically there were grounds for either a prosecution or an infringement notice in respect of effects.

Administrative performance

High: The administrative requirements of the resource consents were met, or any failure to do this had trivial consequences and were addressed promptly and co-operatively.

Good: Perhaps some administrative requirements of the resource consents were not met at a particular time, however this was addressed without repeated interventions from the Council staff. Alternatively adequate reason was provided for matters such as the no or late provision of information, interpretation of 'best practical option' for avoiding potential effects, etc.

Improvement required: Repeated interventions to meet the administrative requirements of the resource consents were made by Council staff. These matters took some time to resolve, or remained unresolved at the end of the period under review. The Council may have issued an abatement notice to attain compliance.

Poor: Material failings to meet the administrative requirements of the resource consents. Significant intervention by the Council was required. Typically there were grounds for an infringement notice.

For reference, in the 2017-2018 year, consent holders were found to achieve a high level of environmental performance and compliance for 76% of the consents monitored through the Taranaki tailored monitoring programmes, while for another 20% of the consents, a good level of environmental performance and compliance was achieved.

1.2 Process description

1.2.1 Cleanfill material

Cleanfill material is any material that when buried will have no adverse effect on people or the environment. Cleanfill material includes natural materials such as clay, sand, soil and rock, and other inert materials such

as concrete or brick, cement or cement wastes, mortar, tiles (clay, ceramic or concrete), non-tanalised timber, porcelain, glass, gravels, fibreglass, plastics, stumps and roots, whether singly or in combination or mixture, or any other material that when placed onto and into land will not render that land or any vegetation grown on that land toxic to vegetation or animals consuming vegetation.

Cleanfill material does not include wastes such as food wastes, paper and cardboard, grass clippings, garden wastes containing green vegetation, textiles, steel, galvanised metals, construction materials containing paint or fillers or sealers or their containers, oils or greases or liquids or sludges or their containers, industrial process by-products, poisons or solvents or their containers, batteries, general domestic refuse, or any other wastes containing green vegetation, or any wastes with the potential to render land or any vegetation grown on the land toxic to vegetation or to animals consuming such vegetation. It also excludes any material that may release leachate that could adversely affect receiving water quality.

1.2.2 Cleanfill site

A cleanfill site is any landfill that only accepts cleanfill material as defined above. Cleanfill is often used to fill in gullies to produce flat usable land and resource consents to culvert small streams under the fill are often associated with these types of works. Cleanfilling is also extensively used for the reinstatement of quarries. In the Taranaki region there are currently 22 consented cleanfills, 14 of which are covered in this report under the combined cleanfill monitoring programme. The other eight cleanfills are reported on separately.

1.3 Resource consents

1.3.1 Summary of resource consents

Table 1 details consent holders, resource consents, and review dates for the cleanfills monitored under this programme for the year under review, with the locations of the sites shown in Figure 1.

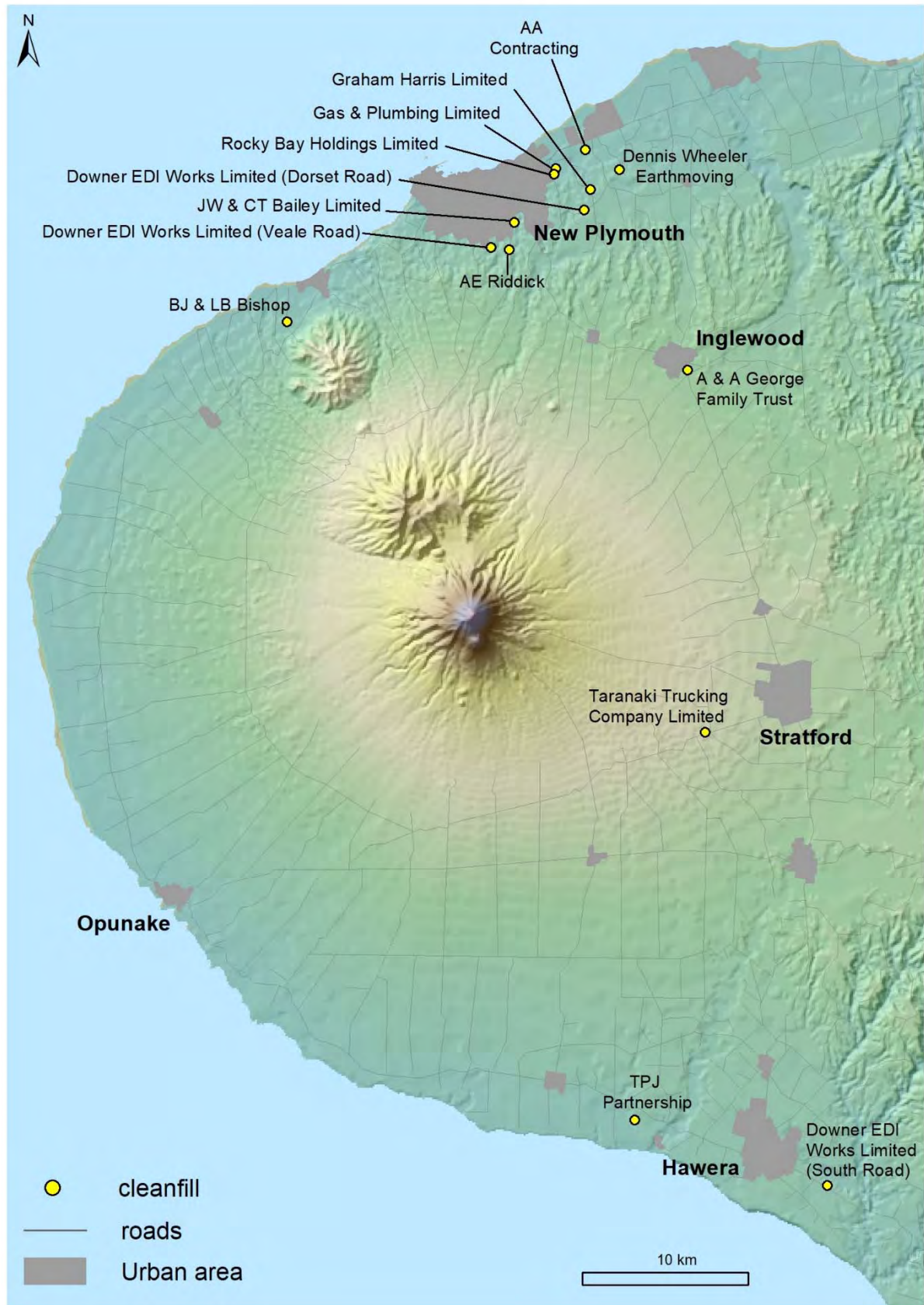


Figure 1 Regional map showing the locations of the cleanfills monitored under this programme during the year under review

Table 1 Cleanfill related consents monitored under this programme during the period under review

Consent Holder	Resource consent	Purpose	Next Review	Expiry	Location	Water body	Catchment
AA Contracting Ltd	5179-2	To install piping, associated with cleanfill discharge activities, in the Mangaone Stream, including associated streambed disturbance and reclamation	June 2020	1 June 2032	Henwood Road, New Plymouth	Mangaone Stream	Waiwhakaiho
	5180-2	To discharge cleanfill onto and into land	June 2020	1 June 2032			
A & A George Family Trust	9680-1	To discharge cleanfill onto and into land	June 2021	1 June 2027	Dudley Road, Inglewood	Manganui and Kurapete Streams	Waitara
AE Riddick [Formerly held by EE Riddick]	3977-4	To discharge cleanfill onto and into land	June 2020	1 June 2032	Carrington Road, New Plymouth	Huatoki Stream	Huatoki
BJ & LB Bishop	5888-1	To erect, place and maintain a culvert in the headwaters of an unnamed tributary of the Waimoku Stream for cleanfilling activities	-	1 June 2019	Ahu Ahu Road, Oakura	Waimoku Stream	Waimoku
	5877-2	To discharge cleanfill onto and into land	June 2019	1 June 2031			
Dennis Wheeler Earthmoving Ltd	10234-1	To discharge cleanfill onto and into land	June 2020	01 Jun 2032	Paraite Road, Bell Block	Unnamed Tributary of the Mangati Stream	Mangati
Downer EDI Works Ltd	9532-1	To discharge cleanfill onto and into land, where contaminants may enter an unnamed tributary of the Manganaha Stream, including associated stream bed reclamation	June 2020	1 June 2032	Dorset Road, New Plymouth	Manganaha Stream	Waiwhakaiho
Downer EDI Works Ltd	5213-2	To discharge cleanfill onto and into land	June 2020	1 June 2032	Veale Road, New Plymouth	Huatoki Stream	Huatoki
Downer EDI Works Ltd	6964-1	To discharge cleanfill onto and into land	-	1 June 2022	South Road, Hawera	Tangahoe Stream	Tawhiti

Consent Holder	Resource consent	Purpose	Next Review	Expiry	Location	Water body	Catchment
Gas & Plumbing Ltd	7165-1	To discharge cleanfill onto and into land in the vicinity of an unnamed tributary of the Mangaone Stream	June 2020	1 June 2026	Colson Rd, New Plymouth	Mangaone Stream	Waiwhakaiho
Graham Harris Ltd (New Plymouth)	6771-1	To discharge cleanfill onto and into land (Transferred from Graham Harris (2000) Ltd on 25 October 2017)	-	1 June 2020	341 Egmont Road, New Plymouth	Mangaemiemi and Mangaone Stream	Waiwhakaiho
JW & CT Bailey Ltd	5824-2	To culvert an unnamed tributary of the Te Henui Stream for land improvement purposes associated with cleanfill activity	-	1 June 2020	Saxton Road, New Plymouth	Te Henui Stream	Te Henui
	4999-3	To discharge up to 130 m ³ /day (1.5 L/s) of leachate from a former cleanfill into an unnamed tributary of the Te Henui Stream	-	1 June 2020			
Rocky Bay Holdings Ltd	10471-1	To discharge cleanfill onto land	June 2020	June 2032	123-137 Smart Road, New Plymouth	Mangamiro Stream	Waiwhakaiho
Taranaki Trucking Company Ltd	6280-1	To erect, place and maintain a culvert in the headwaters of an unnamed tributary of the Waingongoro River to prevent cleanfill contamination of the stream	-	Lapsed	Cardiff Road, Stratford	Waingongoro River	Waingongoro
	5561-1	To discharge cleanfill onto land in the vicinity of an unnamed tributary of the Waingongoro River	-	1 June 2017 S124 protection			
TPJ Partnership	10202-1	To discharge cleanfill and inert materials onto and into land, where contaminants may enter into an unnamed tributary of the Inaha Stream	June 2019	1 June 2035	Rainie Road, Hawera	Inaha Stream	Inaha
	10209-1	To install piping in unnamed tributaries of the Inaha Stream, including associated streambed disturbance and reclamation	June 2019	1 June 2035			

1.3.2 Land use permits

Section 13(1)(a) of the RMA stipulates that no person may in relation to the bed of any lake or river use, erect, reconstruct, place, alter, extend, remove, or demolish any structure or part of any structure in, on, under, or over the bed, unless the activity is expressly allowed for by a resource consent, a rule in a regional plan, or by national regulations. Four land use permits were held by the cleanfill operators covered by this report. These were held by AA Contracting Ltd (AA Contracting), BJ & LB Bishop (Bishop), JW & CT Bailey (Bailey), and Taranaki Trucking Company Ltd (Taranaki Trucking). The consents are for the installation and maintenance of culverts or piping, and contain conditions that:

- require stream bed disturbance and silt entrainment be minimised
- stipulate the culvert dimensions and gradient
- specify seasonal restrictions on works
- require that the flow not be impeded
- require that the culvert be maintained

This summary of consent conditions may not reflect the full requirements of each condition. The consent conditions in full can be found in the resource consents which are appended to this report.

1.3.3 Water discharge permit

Section 15(1)(a) of the RMA stipulates that no person may discharge any contaminant into water, unless the activity is expressly allowed for by a resource consent or a rule in a regional plan, or by national regulations. There is only one water discharge permit associated with the cleanfills covered by this report. This is held by Bailey. The consent covers the discharge of leachate from their cleanfill and contains conditions that:

- require stormwater control at the site
- require the adoption of the best practical option to avoid or minimise effects
- set limits to the effects the discharge can have

This summary of consent conditions may not reflect the full requirements of each condition. The consent conditions in full can be found in the resource consents which are appended to this report.

1.3.4 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. There are 13 consents to discharge cleanfill covered by this report. These consents are held by AA Contracting Ltd (AA Contracting), A & A George Family Trust (George Family), AE Riddick (Riddick), BJ & LB Bishop (Bishop), Denis Wheeler Earthmoving Ltd, Downer EDI Works Ltd (Downer) (three sites), Gas and Plumbing Ltd (Gas and Plumbing), Graham Harris Ltd (Graham Harris), JW & CT Bailey Ltd (Bailey), Rocky Bay Holdings Ltd (Rocky Bay) and Taranaki Trucking Company Ltd (Taranaki Trucking). These consents contain conditions that:

- limit discharges to land to include 'cleanfill' and/or inert materials consisting of concrete, cement or cement wastes, bricks, mortar, tiles (clay, ceramic or concrete), non-tanalised timber, porcelain, glass, gravels, boulders, shingles, fibreglass, plastics, sand, soils and clays, and/or tree stumps and roots;
- prohibit the discharge of food wastes, paper and cardboard, grass clippings, garden wastes including but not limited to wastes containing foliage or other vegetation (other than tree stumps and roots as permitted under condition 2), textiles, steel, galvanised metals, construction materials containing paint or fillers or sealers or their containers, oils or greases or any liquids or sludges or their

containers, any industrial process by-products other than as permitted under condition 2, any poisons or solvents or their containers, batteries, general domestic refuse not otherwise described, or any wastes with the potential to render land or any vegetation grown on the land toxic to vegetation or to animals consuming such vegetation;

- require stormwater and silt to be controlled;
- prohibit contaminants directly entering water;
- require site reinstatement prior to closure.

This summary of consent conditions may not reflect the full requirements of each condition. The consent conditions in full can be found in the resource consents which are appended to this report.

1.4 Monitoring programme

1.4.1 Introduction

Section 35 of the RMA sets obligations upon the Council to gather information, monitor and conduct research on the exercise of resource consents within the Taranaki region. The Council is also required to assess the effects arising from the exercising of these consents and report upon them.

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 cleanfill sites consisted of three primary components.

1.4.2 Programme liaison and management

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

- ongoing liaison with resource consent holders over consent conditions and their interpretation and application;
- in discussion over monitoring requirements;
- preparation for any consent reviews, renewals or new consent applications;
- advice on the Council's environmental management strategies and content of regional plans; and
- consultation on associated matters.

1.4.3 Site inspections

During the 2017-2018 period, 38 site inspections were carried out. A summary of the number of inspections carried out at each cleanfill site from the monitoring period is shown in Table 2.

Inspections focused on site processes, the types of materials being accepted, stormwater control and sediment control.

1.4.4 Chemical sampling

The Council undertook sampling of discharges from cleanfill sites and the receiving environment, where possible and appropriate. During the monitoring period the Council collected 14 water samples for chemical analysis. The samples were analysed for conductivity, ammoniacal nitrogen, unionised ammonia, pH and temperature.

A summary of the sampling undertaken at each cleanfill sites during 2017-2018 is also shown in Table 2.

Table 2 Number of samples collected and inspections conducted at each site

Site	Inspections	Water samples
AA Contracting	3	2
George Family	3	-
Riddick	3	1
Bishop	3	1
Dennis Wheeler Earthmoving	3	-
Downer (Dorset Road)	3	-
Downer (Veale Road)	3	-
Downer (South Road)	2	1
Gas and Plumbing	3	1
Graham Harris	4	2
Bailey	1	3
Rocky Bay	2	-
Taranaki Trucking	2	1
TPJ	3	2
Total	38	14

2 AA Contracting Ltd – Henwood Road, New Plymouth

2.1 Site description and activities

AA Contracting Ltd (AA Contracting) holds resource consent 5180-2 to discharge cleanfill and 5179-2 to install and maintain a culvert at a site on Henwood Road, New Plymouth. Cleanfill materials are being used to fill in a depression in the paddock to enhance its farming potential. The approximate fill area is shown in the figure below. The full extent permitted is shown in the consent (Appendix I).

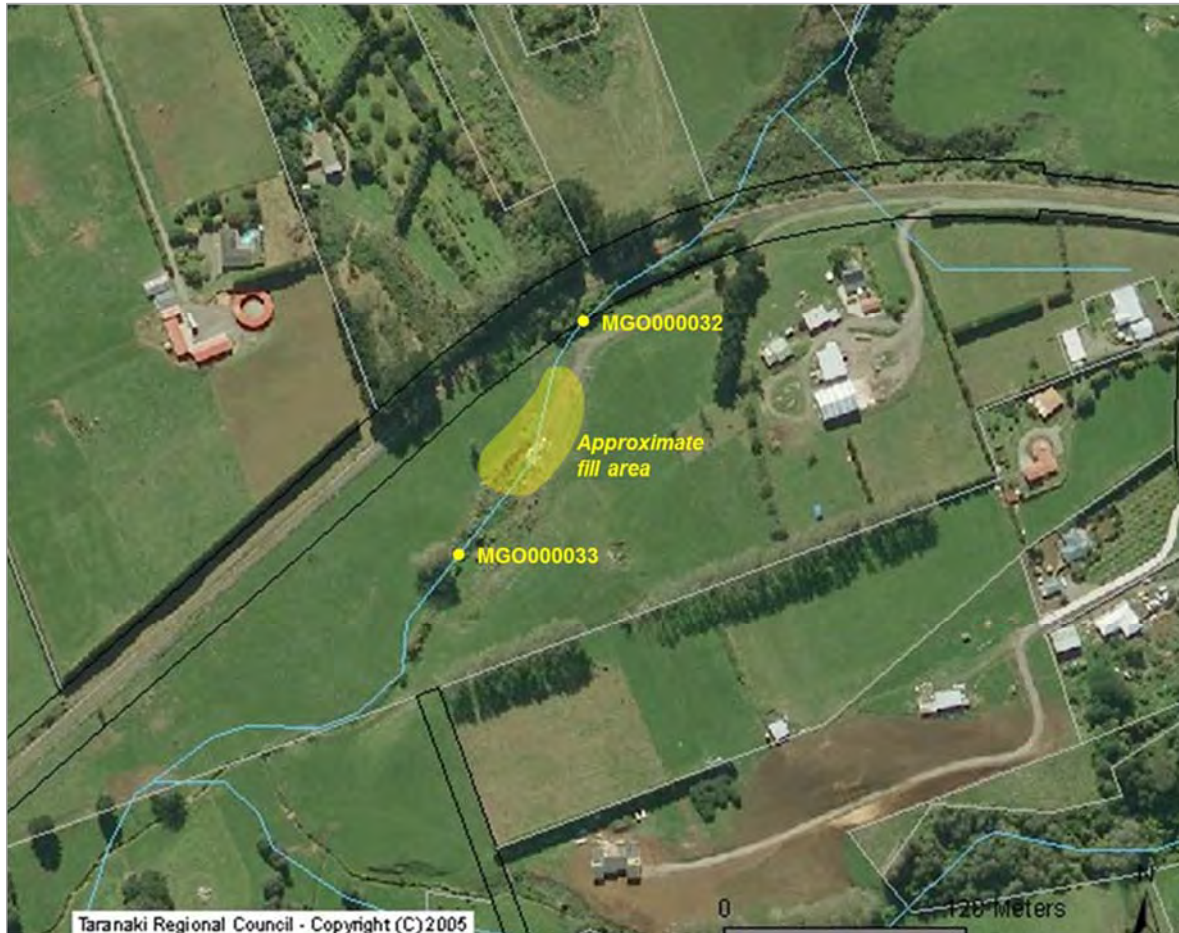


Figure 2 AA Contracting Ltd cleanfill and sampling sites at Henwood Road, New Plymouth

2.2 Results

2.2.1 Inspections

The AA Contracting cleanfill was inspected on three occasions during the period under review.

13 September 2017

At the time of inspection there were only a few recent loads of cleanfill on the site that had not been levelled due to recent wet weather conditions. The loads were mainly clay, with a couple of gravel mixed with broken concrete. The site looked good at the time of inspection. The site looked tidy with no drainage issues and appeared compliant with consent conditions.

20 February 2018

At the time of inspection the site had had some loads of clean soil and broken concrete deposited and the face had only recently been bulldozed. Samples were taken as part of the cleanfill sampling round. The site looked compliant at the time of inspection pending sample results.

28 May 2018

A few loads of clay had been deposited on the cleanfill site at the time of inspection. There had been no material pushed over the cleanfill face. The cleanfill face was well vegetated and the silt control pond below the face was clean. The site looked clean and tidy. Consent requirements look to have been compliant.

2.2.2 Results of receiving environment monitoring

Routine water quality sampling was undertaken on one occasion during the year under review and the results are presented in Table 3 below. The sampling site locations are shown in Figure 2.

Table 3 Chemical analysis of a tributary of the Mangaone Stream at AA Contracting Ltd cleanfill, Henwood Road, Bell Block, New Plymouth, 20 Feb 2018

Parameter	Units	MGO000032 (u/s of cleanfill)	MGO000033 (d/s of cleanfill)
Conductivity @20°C	mS/m	12.0	19.8
Unionised ammonia	g/m ³	0.00003	0.00035
Ammoniacal nitrogen	g/m ³ -N	0.007	0.177
pH	pH	7.0	6.6
Temperature	°C	20.4	20.4

The pH, conductivity, and ammoniacal nitrogen concentrations measured in the tributary indicate that cleanfill may be leaching minor amounts of contaminants into the environment, although the sample was collected at a time of high stream flow. Ammoniacal nitrogen and conductivity concentrations both increased downstream of cleanfill compared to the upstream site. The pH had decreased also. The raised levels of contaminants in the tributary can be considered minor, and it is unlikely to result in adverse effects on the environment.

2.2.3 Investigations, interventions, and incidents

In the 2017-2018 period, the Council was not required to undertake significant additional investigations and interventions, or record incidents, in association with AA Contracting Ltd conditions in resource consents or provisions in Regional Plans.

2.3 Discussion

2.3.1 Discussion of site performance

The site was found to be well managed during the monitoring period. No management or performance issues were noted during inspections.

2.3.2 Environmental effects of exercise of consents

Conductivity and ammoniacal nitrogen in the receiving waters downstream of the site were found to be at acceptable levels, unionised ammonia was not measured for. The results of water sample analyses indicate that the site is not likely to be having any adverse effects on the receiving waters.

2.3.3 Evaluation of performance

A tabular summary of AA Contracting's compliance record for the period under review is set out in Table 4 and Table 5 below.

Table 4 Summary of performance for AA Contracting Ltd piping consent 5179-2

Purpose: To install piping, associated with cleanfill discharge activities, in the Mangaone Stream, including associated streambed disturbance and reclamation		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
1. Purpose of consent	Inspections	Yes
2. Limit on fill height above pipe	Inspections	Yes
3. Depth of invert below streambed level	Inspections	Yes
4. Recontouring to ensure secondary flow path	Inspections	Yes
5. Dimensions of alternate flow path	Inspections	Yes
6. Maintenance of piping and surface inlets to allow free flow of water	Inspections	Yes
7. Secondary flow path not to be blocked	Inspections	Yes
8. Installation of spat rope to provide for fish passage	Inspections	Yes
9. Notification prior to works	Review of Council records	Yes
10. Consent holder to request riparian plan	Riparian plan in place for property	Yes
11. Fencing and riparian plan to be completed by June 2016	Inspections	Yes
12. One-off payment to help remedy and mitigate adverse effects of consent. Payable within three months of commencement of work	Review of Council records	Payment received December 2016
13. Consent holder to take reasonable steps to minimise sediment in stream	Inspections	Yes
14. No vegetation to be buried within 20 m of piped stream	Inspections	Yes

Purpose: To install piping, associated with cleanfill discharge activities, in the Mangaone Stream, including associated streambed disturbance and reclamation		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
15. Works to cease in event of discovery of archaeological remains	Review of Council records	N/A
16. Earthworks to be stabilised as soon as practicable	Inspections	Yes
17. Optional review provision re environmental effects	Next option for review June 2020	N/A
Overall assessment of environmental performance in respect of this consent		High
Overall assessment of administrative performance in respect of this consent		High

N/A = not applicable

Table 5 Summary of performance for AA Contracting Ltd cleanfill consent 5180-2

Purpose: To discharge cleanfill onto and into land		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
1. Discharge to occur in agreed area	Inspections	Yes
2. Only discharge cleanfill and/or inert materials	Inspections	Yes
3. No discharge of prohibited materials listed in the consent	Inspections	Yes
4. If the acceptability of a substance is uncertain, obtain approval from the Council	No approval sought or required	N/A
5. No contaminants to enter ground or surface water	Inspections and sampling	Yes
6. Silt retention structures to be installed	Inspections	Yes
7. Install and maintain stormwater diversion drains	Inspections	Yes
8. Adopt best practice	Inspections	Yes
9. Upon completion the discharge site shall be stabilised and re-vegetated	Site still in use	N/A
10. Consent lapse	Consent has been exercised	N/A

Purpose: To discharge cleanfill onto and into land		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
11. Review condition	Next option for review in June 2020	N/A
Overall assessment of environmental performance in respect of this consent		High
Overall assessment of administrative performance in respect of this consent		High

N/A = not applicable

During the year, AA Contracting demonstrated a high level of environmental performance and a high level of administrative performance with their resource consents as defined in Section 1.1.5.

2.3.4 Recommendations from the 2016-2017 Annual Report

1. THAT in the first instance, monitoring of discharges from AA Contracting's cleanfill in the 2017-2018 period continues at the same level as in 2016-2017.
2. THAT should there be issues with environmental or administrative performance in 2017-2018, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

2.3.5 Alteration to the monitoring programme for 2018-2019

In designing and implementing the monitoring programmes for air/water discharges in the region, the Council has taken into account:

- the extent of information already made available through monitoring or other means to date;
- its relevance under the RMA;
- the Council's obligations to monitor consented activities and their effects under the RMA;
- the record of administrative and environmental performances of the consent holder; and
- 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 exercising resource consents.

It is proposed that for 2018-2019, the programme remains unchanged.

It should be noted that the proposed programme represents a reasonable and risk-based level of monitoring for the site in question. The Council reserves the right to subsequently adjust the programme from that initially prepared, should the need arise if potential or actual non-compliance is determined at any time during 2018-2019

2.4 Recommendations

1. THAT in the first instance, monitoring of discharges from AA Contracting's cleanfill in the 2018-2019 period continues at the same level as in 2017-2018.
2. THAT should there be issues with environmental or administrative performance in 2018-2019, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

3 A & A George Family Trust – Dudley Road, Inglewood

3.1 Site description and activities

A & A George Family Trust (George Family) holds resource consent 9680-1 to discharge cleanfill at a site on Dudley Road, Inglewood. The consent holder is using cleanfill material to fill a depression on the property. Once filled, the site will be contoured and re-grassed.



Figure 3 A & A George Family Trust cleanfill at Dudley Road, Inglewood

3.2 Results

3.2.1 Inspections

The George Family cleanfill was inspected on three occasions during the period under review.

20 September 2017

The inspection was undertaken in the company of a representative of the Trust. At the time of inspection several loads of stumps, gravel and broken concrete had been deposited at the cleanfill. There were some limbs of a pepperwood tree in one load that were going to be removed. It was agreed that a ring drain

needed to be created around the mulch pile that was positioned on a part of the previously filled area that was to be reinstated in the near future. A pond was also going to be constructed to contain any possible leachate. The northeastern corner of the cleanfill was to be reinstated soon to ensure that fresh loads of fill would be directed to an appropriate area closer to the fill face.

22 February 2018

It was observed that since the last inspection the cleanfill had received loads of soil, cured bitumen, broken concrete, broken tiles and tree stumps. A pond below the cleanfill was in place and appeared to be effective in preventing any sediments runoff occurring. The site looked to be managed appropriately and appeared to be compliant with consent conditions at the time of inspection.

5 June 2018

At the time of inspection the site had received several loads of soil and broken concrete that were yet to be pushed over the fill face. There were no visible contaminants on the fill face with some tyres having been removed to one side for appropriate off site disposal. There were some tree stumps visible on the fill face and these were within the permitted conditions. The site looked tidy and was compliant at the time of inspection.

3.2.2 Results of receiving environment monitoring

As the cleanfill site is not near a water body, there is no routine water sampling programmed for this cleanfill and no water discharges were noted from the site during inspections.

3.2.3 Investigations, interventions, and incidents

In the 2017-2018 period, the Council was not required to undertake significant additional investigations and interventions, or record incidents, in association with the George Family's conditions in resource consents or provisions in Regional Plans.

3.3 Discussion

3.3.1 Discussion of site performance

The site was generally found to be well managed during the period under review. However, the consent holder had placed mulch on a previously filled area of the cleanfill site that had not yet been reinstated, without leachate controls being put in place. The necessary controls were agreed at inspection and were installed as agreed. No issues arose relating to the cleanfill disposed of at the site, and this activity was found to be compliant with consent conditions.

3.3.2 Environmental effects of exercise of consents

No significant adverse effects on the environment were observed during inspections.

3.3.3 Evaluation of performance

A tabular summary of George Family's compliance record for the period under review is set out in Table 6.

Table 6 Summary of performance for A & A George Family Trust's cleanfill consent 9680-1

Purpose: To discharge cleanfill onto and into land		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
1. Discharge only to be undertaken in the specified area	Inspections	Yes
2. Only discharge cleanfill and/or inert materials	Inspections	Yes
3. No discharge of prohibited materials listed in the consent	Inspections	Yes
4. If the acceptability of a substance is uncertain, obtain approval from the Council	Check of Council records, no approval sought and no unauthorised material found	N/A
5. No discharge of contaminants to water	Inspections	Yes
6. Install silt retention structures	Inspections	Yes
7. Maintain drains, ponds and contours on site to minimise unwanted water movement and ponding on site	Inspections	Yes
8. Adopt best practice	Inspections	Mulch placed on fill without leachate controls
9. Upon completion the discharge site shall be stabilised and re-vegetated	Site is still in use	N/A
10. Optional review provision re environmental effects	Next option for review in June 2021	N/A
Overall assessment of environmental performance in respect of this consent		Good
Overall assessment of administrative performance in respect of this consent		Good

N/A = not applicable

During the year, George Family demonstrated a good level of environmental and administrative performance with their resource consent as defined in Section 1.1.5. Stockpiles of mulch were placed on a previously filled area of the cleanfill site that had not yet been reinstated, without leachate controls being put in place. The necessary controls were agreed at inspection and were installed as agreed.

3.3.4 Recommendations from the 2016-2017 Annual Report

1. THAT in the first instance, monitoring of discharges from the George Family's cleanfill in the 2017-2018 period monitoring continues at the same level as in 2016-2017.
2. THAT should there be issues with environmental or administrative performance in 2017-2018, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

3.3.5 Alteration to the monitoring programme for 2018-2019

In designing and implementing the monitoring programmes for air/water discharges in the region, the Council has taken into account:

- the extent of information already made available through monitoring or other means to date;
- its relevance under the RMA;
- the Council's obligations to monitor consented activities and their effects under the RMA;
- the record of administrative and environmental performances of the consent holder; and
- 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 exercising resource consents.

It is proposed that for 2018-2019, the programme remains unchanged.

It should be noted that the proposed programme represents a reasonable and risk-based level of monitoring for the site in question. The Council reserves the right to subsequently adjust the programme from that initially prepared, should the need arise if potential or actual non-compliance is determined at any time during 2018-2019.

3.4 Recommendations

1. THAT in the first instance, monitoring of discharges from the George Family's cleanfill in the 2018-2019 period monitoring continues at the same level as in 2017-2018.
2. THAT should there be issues with environmental or administrative performance in 2018-2019, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

4 AE Riddick – Carrington Road, New Plymouth

4.1 Site description and activities

AE Riddick (Riddick) holds consent 3977-4 to discharge cleanfill to land. This cleanfill on Carrington Road is in a gully at the head of an unnamed tributary of the Huatoki Stream. The area was previously a swampy gully, with surface water flows arising from a small spring for parts of the year. In 1990 the gully began to be filled with cleanfill.

Access to the site is by a locked gate, and only an authorised contractor holds a key. All stormwater is controlled so that it flows around the cleanfill areas, to the wetland below the site. Most of the filled areas have been re-grassed, leaving only the tip face exposed. The current approximate fill area is shown in the figure below. The full extent permitted is shown in the consent (Appendix I).



Figure 4 AE Riddick's cleanfill and sampling site at Carrington Road, New Plymouth

4.2 Results

4.2.1 Inspections

22 September 2017

At the time of inspection multiple loads of clay, concrete, bricks, gravel and dirt on site were being levelled with a bulldozer. All visible material was acceptable cleanfill material. The cleanfill face had no unacceptable material visible.

20 February 2018

At the time of inspection there were deposited load of clean earth, broken concrete, old bitumen, hard plastics present. The site was compliant with the consent conditions assessed at the time of inspection, however the consent holder was advised that the final compliance rating would be dependent on the sample results.

5 June 2018

At the time of inspection no recently imported loads were visible, with all fill material pushed over the fill face. All visible material present on site was compliant with consent condition.

4.2.2 Results of receiving environment monitoring

A spring flows from beneath the landfill along a course adjacent to the wetland, with little flow passing through the vegetation. The sample was collected at the property boundary below the wetland. The results are presented in the table below and the sampling site is shown in Figure 4.

Table 7 Chemical analysis of an unnamed tributary of the Huatoki Stream below AE Riddick's cleanfill on 20 February 2018

Parameter	Units	HTK000456 (20 m d/s of cleanfill)
Conductivity @20 °C	mS/m	12.9
Unionised ammonia	g/m ³	<0.00001
Ammoniacal nitrogen	g/m ³ -N	<0.003
pH	pH	7.1
Temperature	°C	22.0

The pH, conductivity, and ammoniacal nitrogen concentrations measured in the tributary (HTK000456) indicate that cleanfill is not leaching any adverse contaminants into the environment. These results indicate that the cleanfill's presence is not likely to be having any significant effect on receiving water quality.

4.2.3 Investigations, interventions, and incidents

In the 2017-2018 period, the Council was not required to undertake significant additional investigations and interventions, or record incidents, in association with the AE Riddick's conditions in resource consents or provisions in Regional Plans.

4.3 Discussion

4.3.1 Discussion of site performance

The cleanfill site was well managed during the monitoring period and no operational issues were noted. There were no complaints made to the Council in relation to the site during the period under review.

4.3.2 Environmental effects of exercise of consents

No adverse environmental effects were observed either via site inspection or chemical analysis of water samples. Historically the level of contaminants found in the water downstream of the cleanfill has indicated that there has been little or no effect on water quality due to the cleanfill's presence.

4.3.3 Evaluation of performance

A tabular summary of Riddick's compliance record for the period under review is set out in the flowing table (Table 8).

Table 8 Summary of performance for AE Riddick's cleanfill consent 3977-4

Purpose: To discharge cleanfill onto and into land		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
1. Discharge to occur only in agreed area	Inspections	Yes
2. Only discharge cleanfill and/or inert materials	Inspections	Yes
3. No discharge of prohibited materials listed in the consent	Inspections	Yes
4. If the acceptability of a substance is uncertain, obtain approval from the Council	No approval sought	N/A
5. Discharge to land not to result in contaminants entering ground or surface water	Sampling	Yes
6. Install and maintain silt retention structures	Inspections	Yes
7. Install and maintain stormwater diversion drains	Inspections	Yes
8. Adopt best practice	Inspections	Yes
9. Upon completion the discharge site shall be stabilised and re-vegetated	Site still in use	N/A
10. Lapse provision	Consent has been exercised	N/A
11. Optional review provision re environmental effects	Next option for review in June 2020	N/A
Overall assessment of environmental performance in respect of this consent		High
Overall assessment of administrative performance in respect of this consent		High

N/A = not applicable

During the year, Riddick demonstrated a high level of environmental performance and a high level of administrative performance with their resource consents as defined in Section 1.1.5.

4.3.4 Recommendations from the 2016-2017 Annual Report

1. THAT in the first instance, monitoring of discharges from Riddick's cleanfill in the 2017-2018 year continues at the same level as in 2016-2017.
2. THAT should there be issues with environmental or administrative performance in 2017-2018, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary

4.3.5 Alterations to the monitoring programme for 2018-2019

In designing and implementing the monitoring programmes for air/water discharges in the region, the Council has taken into account:

- the extent of information already made available through monitoring or other means to date;
- its relevance under the RMA;
- the Council's obligations to monitor consented activities and their effects under the RMA;
- the record of administrative and environmental performances of the consent holder; and
- 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 exercising resource consents.

It is proposed that for 2018-2019, the programme remains unchanged.

It should be noted that the proposed programme represents a reasonable and risk-based level of monitoring for the site(s) in question. The Council reserves the right to subsequently adjust the programme from that initially prepared, should the need arise if potential or actual non-compliance is determined at any time during 2018-2019.

4.4 Recommendations

1. THAT in the first instance, monitoring of discharges from Riddick's cleanfill in the 2018-2019 year continues at the same level as in 2017-2018.
2. THAT should there be issues with environmental or administrative performance in 2018-2019, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

5 BJ & LB Bishop – Ahu Ahu Road, New Plymouth

5.1 Site description and activities

BJ and LB Bishop (Bishop) hold consents 5877-2 to discharge cleanfill and 5888-1 to install and maintain a culvert on their property on Ahu Ahu Road. They are filling in a small gully to enhance their farmlet for grazing. A culvert passes through the cleanfill which carries surface water from the Ahu Ahu Road roadside drain. There is provision to review consent 5877-1 in June 2019 and consent 5888-1 is due to expire on 1 June 2019.

The types of materials they accept at their cleanfill are construction concrete, road and track metal, clay and topsoil. Following the completion of the filling the area will be restored with topsoil and pasture grass. The location of the cleanfill is shown in Figure 5. The current approximate fill area is shown in the figure below. The full extent permitted is shown in the consent (Appendix I).

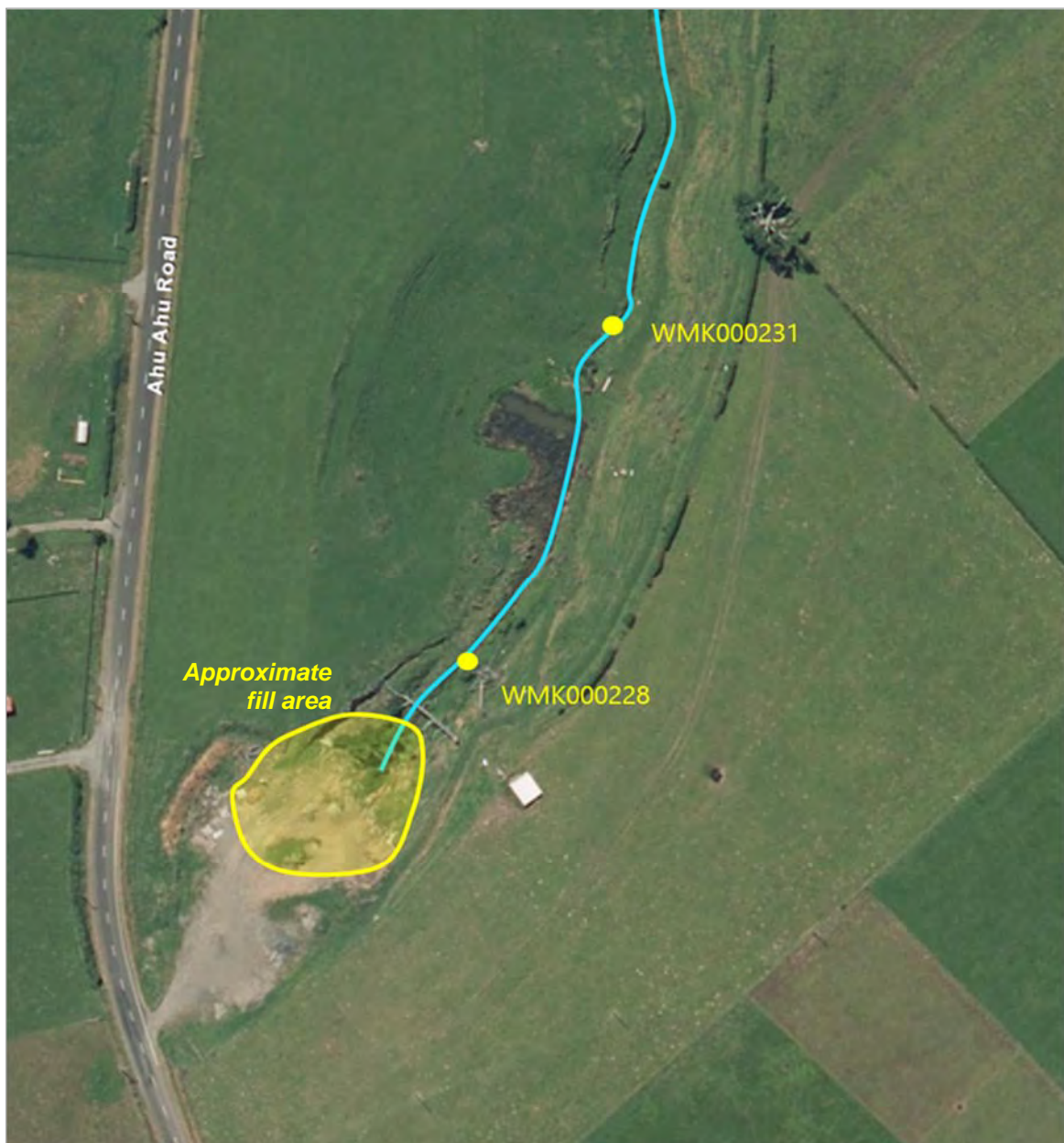


Figure 5 BJ & LB Bishop's cleanfill sand sampling sites at Ahu Ahu, Oakura

5.2 Results

5.2.1 Inspections

The Bishop cleanfill was inspected on three occasions during the period under review.

21 September 2017

At the time of inspection several new loads of clay had been received recently. There were some other loads of cured bitumen, broken concrete and gravel on site. The fill face looked clean with no unacceptable material visible. The site had not been levelled for some time due to the recent continual rainfall. The site was compliant at the time of inspection.

20 February 2018

At the time of inspection the cleanfill looked to have had recent loads of clean earth and broken concrete brought on to site. Some hard plastics (culvert piping) were found on site, which is a permitted material. Samples were taken as part of the cleanfill sampling round. The site looked compliant, with the final compliance rating pending sample results.

5 June 2018

At the time of inspection the site had received various loads. These appeared to be soil with some quantities of broken concrete. The face of the fill looked to be mainly clay/soil with the odd tree stump. There wasn't any contaminated material visible on the face or the top of the site. The site looked to be compliant at the time of inspection.

5.2.2 Results of receiving environment monitoring

One water sample was taken downstream of the cleanfill in an unnamed tributary of the Waimoku Stream, and the results are given in the table below.

Table 9 Results of water sample taken from BJ & LB Bishop's cleanfill 20 February 2018

Parameter	Units	WMK000231 (60 m d/s of cleanfill face)
Conductivity @20 °C	mS/m	17.2
Unionised ammonia	g/m ³	0.00101
Ammoniacal nitrogen	g/m ³ -N	0.615
pH	pH	6.5
Temperature	Deg C	21.1

The results above show that the Bishop cleanfill is having little impact on receiving waters below the site. All parameters measured for are well within the safe range for Taranaki waterways.

5.2.3 Investigations, interventions, and incidents

In the 2017-2018 period, the Council was not required to undertake significant additional investigations and interventions, or record incidents, in association with the Bishops' conditions in resource consents or provisions in Regional Plans.

5.3 Discussion

5.3.1 Discussion of site performance

The site was generally well managed during the period under review. There were no prohibited materials noted and the silt controls appeared to be effective at the time of the inspections.

5.3.2 Environmental effects of exercise of consents

No adverse environmental effects were observed during site inspections. Historically the results from water samples indicate slightly elevated level of ammoniacal nitrogen in the unnamed tributary. Only one site was sampled in the year under review so no comparison could be established.

Overall the presence of the cleanfill is likely to be having a less than minor effect on the receiving waters, continued monitoring is recommended.

5.3.3 Evaluation of performance

A tabular summary of Bishop's compliance record for the period under review is set out in the following tables.

Table 10 Summary of performance for BJ & LB Bishop's cleanfill consent 5877-2

Purpose: To discharge cleanfill onto and into land		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
1. Discharge to occur in agreed area	Inspections	Yes
2. Only discharge cleanfill and/or inert materials	Inspections	Yes
3. No discharge of prohibited materials listed in the consent	Inspections	Yes
4. If the acceptability of a substance is uncertain, obtain approval from the Council	No approval sought or required	N/A
5. No discharge of contaminants to ground or surface water	Receiving water sampling and inspections	Yes
6. Install and maintain silt retention structures	Inspections	Yes
7. Install and maintain stormwater diversion drains	Inspections	Yes
8. Adopt best practice	Inspections	Yes
9. Upon completion the discharge site shall be stabilised and re-vegetated	Site still in use	N/A
10. Lapse of consent	Consent exercised	N/A
11. Optional review provision re environmental effects	Next option for review in June 2019	N/A
Overall assessment of environmental performance in respect of this consent		High
Overall assessment of administrative performance in respect of this consent		High

Table 11 Summary of performance for BJ & LB Bishop's culvert consent 5888-1

Purpose: To erect, place and maintain a culvert in the headwaters of an unnamed tributary of the Waimoku Stream for cleanfilling activities		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
1. Notification of any maintenance which may disturb the stream bed	No maintenance during period	Yes
2. Comply with information submitted in support of application	Inspections	Yes
3. Minimise discharge of contaminants into the stream and avoid disturbance of the stream bed	Inspections	Yes
4. Ensure the culvert is free of debris	Inspections	Yes
5. Remove the structures and reinstate the area when the structures are no longer needed	Structures still in use	N/A
6. Optional review provision re environmental effects	No further option for review prior to expiry	N/A
Overall assessment of environmental performance in respect of this consent		High
Overall assessment of administrative performance in respect of this consent		High

N/A = not applicable

During the year, Bishop demonstrated a high level of environmental performance and a high level of administrative performance with their resource consents as defined in Section 1.1.5.

5.3.4 Recommendations from the 2016-2017 Annual Report

1. THAT in the first instance, monitoring of discharges from Bishop's cleanfill on Ahu Ahu Road in the 2017-2018 year continues at the same level as in 2016-2017.
2. THAT should there be issues with environmental or administrative performance in 2017-2018, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

These recommendations were implemented.

5.3.5 Alterations to the monitoring programme for 2018-2019

In designing and implementing the monitoring programmes for air/water discharges in the region, the Council has taken into account:

- the extent of information already made available through monitoring or other means to date;
- its relevance under the RMA;
- the Council's obligations to monitor consented activities and their effects under the RMA;
- the record of administrative and environmental performances of the consent holder; and
- 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 exercising resource consents.

It is proposed that for 2018-2019, the programme remains unchanged.

It should be noted that the proposed programme represents a reasonable and risk-based level of monitoring for the site in question. The Council reserves the right to subsequently adjust the programme from that initially prepared, should the need arise if potential or actual non-compliance is determined at any time during 2018-2019.

5.3.6 Exercise of optional review of consent

Resource consent 5877-2 provides for an optional review of the consent in June 2019. Condition 11 allows the Council to review the consent, for the purpose of ensuring that the conditions of the consent are adequate to deal with any adverse effects on the environment that may arising from the exercise of the consent.

Based on the results of monitoring in the year under review, and in previous years as set out in earlier annual compliance monitoring reports, it is considered that there are no grounds that require a review to be pursued.

5.4 Recommendations

1. THAT in the first instance, monitoring of discharges from Bishop's cleanfill on Ahu Ahu Road in the 2018-2019 year continues at the same level as in 2017-2018.
2. THAT should there be issues with environmental or administrative performance in 2018-2019, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.
3. THAT the option for a review of resource consent 5877-2 in June 2019, as set out in condition 11 of the consent, not be exercised, on the grounds that the conditions on the consent are adequate to deal with any actual or potential effects arising from the activity.

6 Dennis Wheeler Earthmoving Ltd – Paraite Road, Bell Block

6.1 Site description and activities

Dennis Wheeler Earthmoving hold consent 10234-1.0 to discharge cleanfill onto and into land, for the purpose of filling a gully on Paraite Road Bell Block. An ephemeral unnamed tributary of the Mangati Stream runs nearby to the cleanfill site.

The types of material accepted at their cleanfill are excess soil from building sites, bricks, concrete, stumps and other cleanfill material. On completion the area will be contoured and restored with topsoil and vegetated. The cleanfill will cover up to 0.7 hectares and the approximate area is shown in Figure 6. The full extent of permitted is shown in the consent (Appendix I).

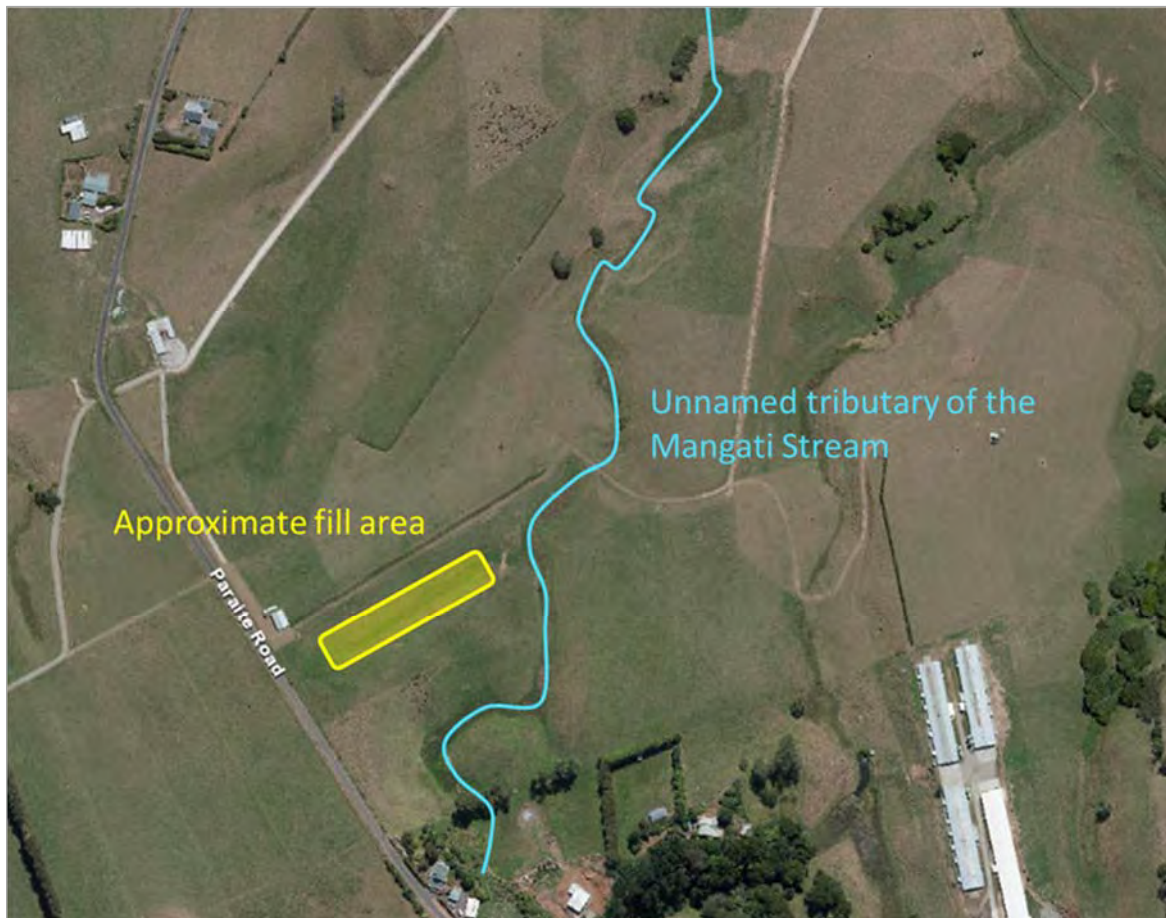


Figure 6 Location of Dennis Wheeler Earthmoving cleanfill Paraite Road, Bell Block

6.2 Results

6.2.1 Inspections

Dennis Wheeler Earthmoving's cleanfill site was inspected three times during the period under review.

22 September 2017

At the time of inspection about 20 loads of clay material were found to be at the site. The site had been levelled and regrassed with only the tip face showing recent fill. It was noted that the fill face had slumped away due to extreme wet weather conditions. However, there were no significant adverse effects noted as a result of this occurrence.

22 February 2018

At the time of inspection the cleanfill had received several loads of clay, clean soil and a mix of field tiles, broken concrete and some hard plastics. The load receiving area at the top of the site looked well kept with no stormwater runoff to the fill face.

28 May 2018

At the time of inspection a pile of topsoil had been left at the road end of the site (possibly for capping the site). The site looked tidy, with only a few loads of material visible at the cleanfill face. The gulley below the site looked good with very little silt visible. The face had no unacceptable material visible and looked to be mainly soil with small quantities of hard plastic, tree stumps and concrete visible. The site appeared to be compliant at the time of inspection.

6.2.2 Results of discharge and receiving environment monitoring

Due to the distance to the waterway, the diversion and treatment systems in place, and the nature of the material being disposed of at the site, there is no routine water sampling programmed for this cleanfill. No discharges were noted from the site to the receiving water during inspections.

6.2.3 Investigations, interventions, and incidents

In the 2017-2018 period, the Council was not required to undertake significant additional investigations and interventions, or record incidents, in association with Dennis Wheeler Ltd's conditions in resource consents or provisions in Regional Plans.

6.3 Discussion

6.3.1 Discussion of site performance

The site was generally well managed and no prohibited materials were noted during the period under review. During the 2016-2017 year, the silt and sediment retention structures were installed as requested, and continued to be effective during the year under review.

6.3.2 Environmental effects of exercise of consents

No significant adverse effects on the environment were observed during inspections.

6.3.3 Evaluation of performance

A tabular summary of the consent holder's compliance record for the year under review is set out in the table below.

Table 12 Summary of performance of consent for Dennis Wheeler Earthmoving Ltd cleanfill consent 10234-1.0

Purpose: <i>To discharge cleanfill onto and into land</i>		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
1. Discharge to occur only in agreed area	Inspections	Yes
2. Only discharge cleanfill and/or inert materials	Inspections	Yes

Purpose: To discharge cleanfill onto and into land		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
3. No discharge of prohibited materials listed in the consent	Inspections	Yes
4. If the acceptability of a substance is uncertain, obtain approval from the Council	No approval sought	N/A
5. Discharge to land not to result in contaminants entering ground or surface water	Inspections	Yes
6. The consent holder will keep a record of the material discharged at the site	Records not requested	N/A
7. Install and maintain silt retention structures	Not assessed during the period under review	Yes
8. Install and maintain stormwater diversion drains	Not assessed during the period under review	N/A
9. Adopt best practice	Inspections	Yes
10. Upon completion the discharge site shall be stabilised, re-vegetated and contoured	Site still in use	N/A
11. Lapse provision, 31 March 2021	Consent has been exercised	N/A
12. Optional review provision re environmental effects	Option for review June 2020	N/A
Overall assessment of consent compliance and environmental performance in respect of this consent		High
Overall assessment of administrative performance in respect of this consent		High

N/A = not applicable

During the year under review Dennis Wheeler Earthmoving demonstrated a high level of environmental and a high level of administrative performance with the resource consent as defined in Section 1.1.5.

6.3.4 Recommendations from the 2016-2017 Annual Report

1. THAT in the first instance, monitoring of Dennis Wheeler Earthmoving's cleanfill in the 2017-2018 year continues at the same level as in 2016-2017.
2. THAT should there be issues with environmental or administrative performance in 2017-2018, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

These recommendations were implemented.

6.3.5 Alterations to the monitoring programme for 2018 – 2019

In designing and implementing the monitoring programmes for air/water discharges in the region, the Council has taken into account:

- the extent of information already made available through monitoring or other means to date;
- its relevance under the RMA;
- the Council's obligations to monitor consented activities and their effects under the RMA;
- the record of administrative and environmental performances of the consent holder; and
- 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 exercising resource consents.

It is proposed that for 2018-2019, the programme remains unchanged.

It should be noted that the proposed programme represents a reasonable and risk-based level of monitoring for the site in question. The Council reserves the right to subsequently adjust the programme from that initially prepared, should the need arise if potential or actual non-compliance is determined at any time during 2018-2019.

6.3.6 Recommendations

1. THAT in the first instance, monitoring of Dennis Wheeler Earthmoving's cleanfill in the 2018-2019 year continues at the same level as in 2017-2018.
2. THAT should there be issues with environmental or administrative performance in 2018-2019, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

7 Downer EDI Works Ltd – Dorset Road, New Plymouth

7.1 Site description and activities

Downer EDI Works Ltd (Downer) holds resource consent 9532-1 to discharge cleanfill at a site on Dorset Road, New Plymouth. This application was originally granted to Dorset Fibre Farm retrospectively after Council officers found that the site was receiving material without consent. The consent was transferred to Downer on 24 May 2016. The site accepts cleanfill. Primarily construction and demolition material dug up from an on-going carriageway/broadband project. The current approximate fill area is shown in the figure below. The full extent permitted is shown in the consent (Appendix I).

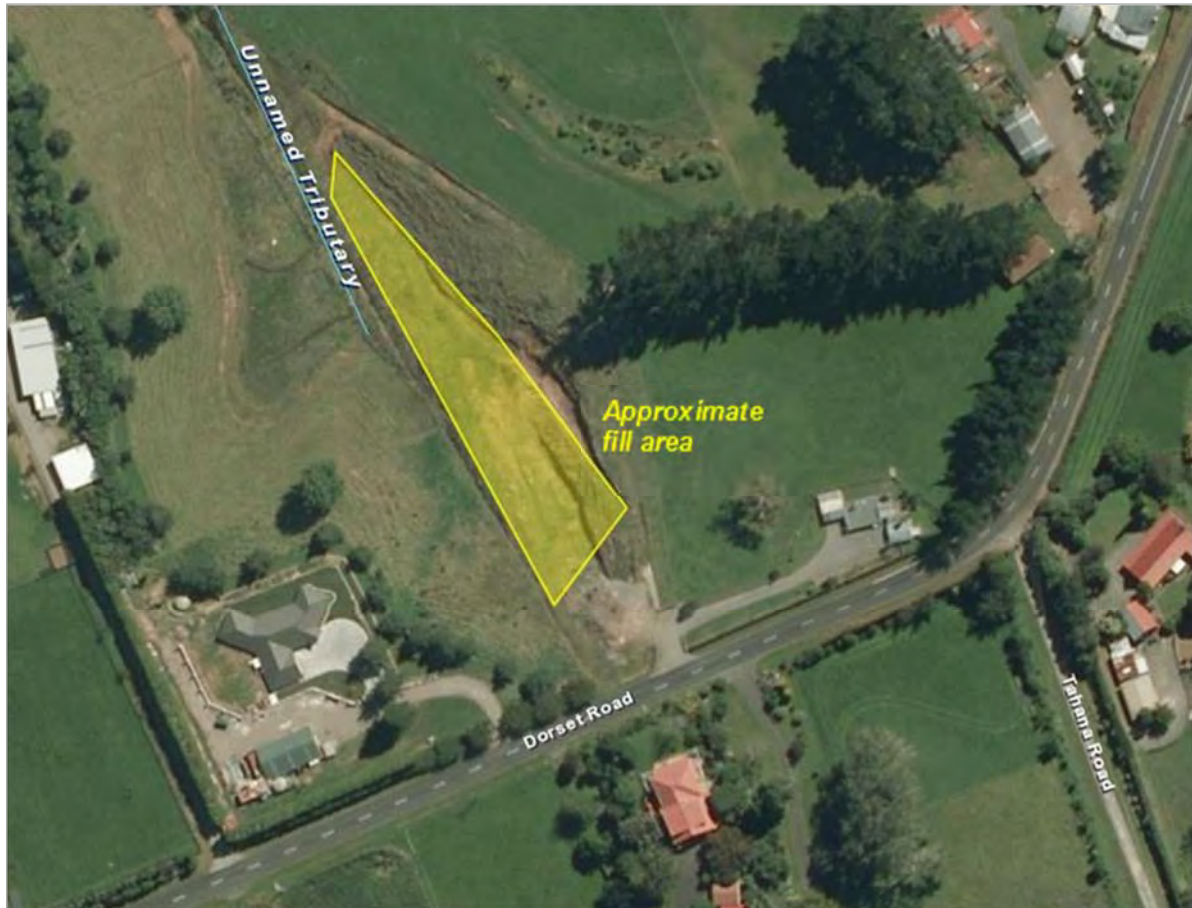


Figure 7 Downer EDI Works Ltd cleanfill, Dorset Road, New Plymouth

7.2 Results

7.2.1 Inspections

This Downer cleanfill was inspected on three occasions during the period under review.

13 September 2017

At the time of inspection recent loads were visible on site; these were comprised of dirt, gravel, broken concrete and some bricks. These had not yet been levelled or pushed over the tip face.

20 February 2018

At the time of inspection it was observed that there had been limited activity at the site since the last visit. A few loads of clean earth and a small quantity of broken concrete were piled at the top of the site but

nothing had been pushed over the tip face for some time. There was no noncompliant material visible at the time of inspection.

28 May 2018

At the time of inspection there were only a few loads of top soil and broken concrete visible. The face of the fill looked to be made up of soil and gravel. The site looked tidy with no unconsented material visible at the time of inspection.

7.2.2 Results of receiving environment monitoring

Due to the distance to the waterway, the diversion and treatment systems in place, and the nature of the material being disposed of at the site, there is no routine water sampling programmed for this cleanfill. No discharges were noted from the site to the receiving water during inspections.

7.2.3 Investigations, interventions, and incidents

In the 2017-2018 period, the Council was not required to undertake significant additional investigations and interventions, or record incidents, in association with Downer EDI Works Ltd's conditions in resource consents or provisions in Regional Plans.

7.3 Discussion

7.3.1 Discussion of site performance

The site was found to be secure and well managed at the time of the inspections, with only small amounts of permitted materials observed to have been disposed of during the period under review.

7.3.2 Environmental effects of exercise of consents

No significant adverse effects on the environment were observed or noted during inspections.

7.3.3 Evaluation of performance

A tabular summary of Downer's compliance record for the period under review is set out in the following table.

Table 13 Summary of performance for Downer EDI Works Ltd's Dorest Road cleanfill consent 9532-1

Purpose: To discharge cleanfill onto and into land, where contaminants may enter an unnamed tributary of the Manganaha Stream, including associated stream bed reclamation		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
1. Notify Council prior to works	No notifications received or required	N/A
2. Materials to be discharged in certain area	Inspections	Yes
3. Only discharge cleanfill and/or inert materials	Inspections	Yes
4. No discharge of prohibited materials listed in the consent	Inspections	Yes
5. If the acceptability of a substance is uncertain, obtain approval from the Council	No approval sought	N/A

Purpose: To discharge cleanfill onto and into land, where contaminants may enter an unnamed tributary of the Manganaha Stream, including associated stream bed reclamation		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
6. No discharge of contaminants to water	Inspections	Yes
7. Install specific or approved silt retention structures	Inspections	Yes
8. Site to be re-vegetated within six months of discharges ceasing	Site still in use	N/A
9. Re-vegetation must meet specific standard	Site still in use	N/A
10. Adopt best practice	Inspections	Yes
11. Optional review provision re environmental effects	Next option for review June 2020	N/A
Overall assessment of environmental performance in respect of this consent		High
Overall assessment of administrative performance in respect of this consent		High

N/A = not applicable

During the year, Downer demonstrated a high level of environmental performance and a high level of administrative performance with their Dorset Road resource consent as defined in Section 1.1.5.

7.3.4 Recommendations from the 2016-2017 Annual Report

1. THAT in the first instance, monitoring of discharges from Downer's Dorset Road cleanfill in 2017-2018 year continues at the same level as in 2016-2017.
2. THAT should there be issues with environmental or administrative performance in 2017-2018, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

These recommendations were implemented.

7.3.5 Alterations to the monitoring programme for 2018-2019

In designing and implementing the monitoring programmes for air/water discharges in the region, the Council has taken into account:

- the extent of information already made available through monitoring or other means to date;
- its relevance under the RMA;
- the Council's obligations to monitor consented activities and their effects under the RMA;
- the record of administrative and environmental performances of the consent holder; and
- 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 exercising resource consents.

It is proposed that for 2018-2019, the programme remains unchanged.

It should be noted that the proposed programme represents a reasonable and risk-based level of monitoring for the site in question. The Council reserves the right to subsequently adjust the programme from that initially prepared, should the need arise if potential or actual non-compliance is determined at any time during 2018-2019.

7.4 Recommendations

1. THAT in the first instance, monitoring of discharges from Downer's Dorset Road cleanfill in 2018-2019 year continues at the same level as in 2017-2018.
2. THAT should there be issues with environmental or administrative performance in 2018-2019, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

8 Downer EDI Works Ltd – Veale Road, New Plymouth

8.1 Site description and activities

Downer EDI Works Ltd (Downer) holds consent 5213-2 to discharge cleanfill at a site on Veale Road, New Plymouth. The consent to operate this cleanfill was formerly held by F & J Carrington, who own the property. The small gully is being filled to enhance a paddock for grazing. A small spring emerges in the gully from the base of the filled materials. Following the completion of filling the area will be restored with topsoil and pasture grass. The current approximate fill area is shown in the figure below. The full extent permitted is shown in the consent (Appendix I).

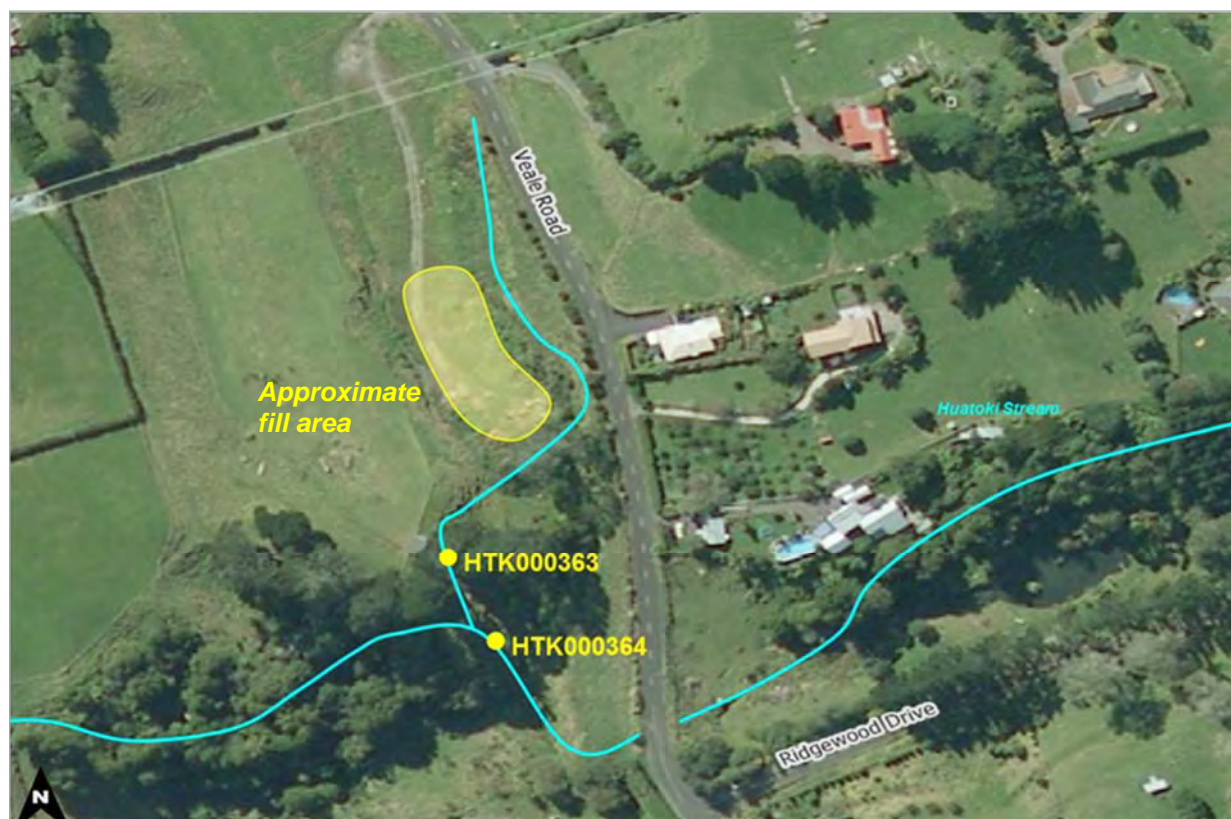


Figure 8 Downer EDI Works Ltd's cleanfill and sampling sites, Veale Road, New Plymouth

8.2 Results

8.2.1 Inspections

The Downer Veale Road cleanfill was inspected on three occasions during the period under review.

21 September 2017

At the time of inspection recent loads of concrete and bitumen were observed. All the material on site was in piles, and it appeared that no levelling had occurred recently. There were no visible impacts on the drain beside the cleanfill and no adverse environmental effects were visible in the tributary below the site.

20 February 2018

At the time of inspection there was clean earth, broken concrete and bitumen piled up on site. It appeared that no material had been pushed to the fill face for some time. The site looked compliant

5 June 2018

At the time of inspection the site had several new loads of soil with some concrete and gravel also incorporated. There had been no levelling out at this site for some time. There wasn't any contaminated material visible and the site looked compliant at the time of inspection.

8.2.2 Results of receiving environment monitoring

No discharges were noted from the site to the receiving water during inspections, and so no water sampling was undertaken.

8.2.3 Investigations, interventions, and incidents

In the 2017-2018 period, the Council was not required to undertake significant additional investigations and interventions, or record incidents, in association with Downer EDI Works Ltd's conditions in resource consents or provisions in Regional Plans.

8.3 Discussion

8.3.1 Discussion of site performance

The site was found to be well managed during the period under review. There were no complaints made to the Council and there were no odour or dust issues found at inspection.

8.3.2 Environmental effects of exercise of consents

No significant adverse effects on the environment were observed at the time of the site inspections.

8.3.3 Evaluation of performance

A tabular summary of Downer's compliance record for the period under review is set out in the table below.

Table 14 Summary of performance for Downer EDI Works Ltd's Veale Road cleanfill consent 5213-2

Purpose: To discharge cleanfill onto and into land		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
1. Discharge in agreed area only	Inspections	Yes
2. Only discharge cleanfill and/or inert materials	Inspections	Yes
3. No discharge of prohibited materials listed in the consent	Inspections	Yes
4. If the acceptability of a substance is uncertain, obtain approval from the Council	No approval sought or required	N/A
5. No discharge of contaminants to water	Inspections and sampling	Yes
6. Install silt retention structures	Inspections	Yes
7. Install and maintain stormwater diversion drains	Inspections	Yes
8. Adopt best practice	Inspections	Yes

Purpose: To discharge cleanfill onto and into land		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
9. Upon completion the discharge site shall be stabilised and re-vegetated	Site still in use	N/A
10. Lapse of consent	Consent has been exercised	N/A
11. Optional review provision re environmental effects	Next option for review in June 2020	N/A
Overall assessment of environmental performance in respect of this consent		High
Overall assessment of administrative performance in respect of this consent		High

N/A = not applicable

During the year, Downer demonstrated a high level of environmental performance and a high level of administrative performance with their Veale Road resource consent as defined in Section 1.1.5.

8.3.4 Recommendations from the 2016-2017 Annual Report

1. THAT in the first instance, monitoring of discharges from Downer's Veale Road cleanfill in the 2017-2018 year continues at the same level as in 2016-2017.
2. THAT should there be issues with environmental or administrative performance in 2017-2018, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

These recommendations were implemented.

8.3.5 Alterations to the monitoring programme for 2018-2019

In designing and implementing the monitoring programmes for air/water discharges in the region, the Council has taken into account:

- the extent of information already made available through monitoring or other means to date;
- its relevance under the RMA;
- the Council's obligations to monitor consented activities and their effects under the RMA;
- the record of administrative and environmental performances of the consent holder; and
- 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 exercising resource consents.

It is proposed that for 2018-2019, the programme remains unchanged.

It should be noted that the proposed programme represents a reasonable and risk-based level of monitoring for the site in question. The Council reserves the right to subsequently adjust the programme from that initially prepared, should the need arise if potential or actual non-compliance is determined at any time during 2018-2019.

8.4 Recommendations

1. THAT in the first instance, monitoring of discharges from Downer's Veale Road cleanfill in the 2018-2019 year continues at the same level as in 2017-2018.
2. THAT should there be issues with environmental or administrative performance in 2018-2019, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

9 Downer EDI Works Ltd – South Road, Hawera

9.1 Site description and activities

Downer EDI Works Ltd (Downer) holds consent 6964-1 to discharge cleanfill at two adjacent properties on South Road, Hawera. The site is a small gully which is being filled to enhance a paddock for grazing. A small spring emerges in one leg of the gully, and a garden pond is situated at the head of the other leg of the gully. The discharge from the garden pond has been directed away from the cleanfill area, and now discharges below the designated area of the cleanfill. Following the completion of filling, the area will be restored with topsoil and pasture grass. The current approximate fill area is shown in the figure below. The full extent permitted is shown in the consent (Appendix I).



Figure 9 Downer EDI Works Ltd cleanfill and sampling site, South Road, Hawera

9.2 Results

9.2.1 Inspections

The Downer cleanfill on South Road was inspected on three occasions during the period under review.

5 September 2017

At the time of inspection acceptable material was visible in and above the fill face. Some large logs were being stored at the site, but these were away from the fill face. A pile of unacceptable waste was stored further towards the road from the fill face. The site looked tidy and well managed.

13 February 2018

At the time of inspection there were new loads of concrete and soil at the face of the cleanfill. Any contaminated material was being removed from the main area and stored out of the way ready for appropriate off site disposal. Only a small amount of timber was present at the site, and this looked to be permitted untreated timber. The site was very tidy and looked well maintained. Water samples were collected during the inspection.

6 June 2018

There had been a lot of material brought onto the site since the previous inspection. This was placed in piles above the face of the fill and consisted mainly of clay and earth with a minimal amount of entrained broken concrete and gravel. There were no noncompliant materials visible in the fill face. The site was tidy and compliant with consent conditions at the time of the inspection.

9.2.2 Results of receiving environment monitoring

One sample was taken from the unnamed tributary of the Tawhiti Stream approximately 100 m below the cleanfill, with the results given in the table below.

Table 15 Chemical analysis of an unnamed tributary of the Tawhiti Stream at Downer EDI Works Ltd's cleanfill, South Road, Hawera, 13 Feb 2018

Parameter	Units	TWH000498 (100 m downstream of cleanfill)
Conductivity @ 20 °C	mS/m	39.7
Unionised ammonia	g/m ³	0.00005
Ammoniacal nitrogen	g/m ³ -N	0.012
pH	pH	6.9
Temperature	°C	22.5

There was a slightly elevated conductivity that would most likely have been attributable to the presence of dissolved iron, which often occurs naturally in Taranaki spring water. This site has exhibited elevated conductivity levels since the sampling began and this may either be due to natural high iron levels found in the catchment or the presence of the cleanfill. Since the 2013-2014 Annual Report, it has been noted that, if the conductivity at this site continues to increase, water samples may need to be taken downstream of the cleanfill, to be analysed for iron and zinc. During the intervening period, the conductivities recorded have fluctuated between 36.0 and 42.3 mS/m, with the conductivity found to be within that range during the year under review. Council will continue to monitor the situation and will incorporate this monitoring, if the conductivity is found to be increasing.

Overall the results currently indicate that the cleanfill's presence is not likely to be having any significant effect on receiving water quality.

9.2.3 Investigations, interventions, and incidents

In the 2017-2018 period, the Council was not required to undertake significant additional investigations and interventions, or record incidents, in association with Downer EDI Works Ltd's conditions in resource consents or provisions in Regional Plans.

9.3 Discussion

9.3.1 Discussion of site performance

The cleanfill was well managed during the monitoring period. There were no unauthorised materials found and there were no dust, odour or ponding issues at the site at the time of the inspections.

9.3.2 Environmental effects of exercise of consents

From observations during the inspections of the site and from the results of the downstream water sample taken, there is no indication that the activities at the site were having an adverse effect upon the environment, as the elevated conductivity found downstream of the site is thought to be attributable to naturally occurring high levels of iron, rather than to the presence of the cleanfill.

9.3.3 Evaluation of performance

A tabular summary of Downer's compliance record for the year under review is set out in the following table.

Table 16 Summary of performance for Downer EDI Works Ltd's (South Road) cleanfill consent 6964-1

Purpose: To discharge cleanfill onto and into land		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
1. Adopt best practice	Inspections	Yes
2. Exercise of consent within agreed area	Inspections	Yes
3. Notify Council 7 days prior to exercise of consent	Review of Council records	N/A
4. Only discharge cleanfill and/or inert materials	Inspections	Yes
5. No discharge of prohibited materials listed in the consent	Inspections	Yes
6. Dried silt from water treatment plants to be spread thinly and mixed with other material	Inspections	Yes
7. Maximum volume of 350 m ³ of dried silt can be applied per year	Inspections	Yes
8. Consent holder to obtain written approval if acceptability of material uncertain	No approval sought	N/A
9. Install and maintain silt retention structures	Inspections	Yes

Purpose: To discharge cleanfill onto and into land		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
10. Install and maintain stormwater diversion drains	Inspections	Yes
11. Final contours of filled area to allow for stormwater to flow away from site	Site still in process of being filled	N/A
12. Prepare and maintain a contingency and site management plan	Provided with application for change to consent July 2016	Yes
13. Lapse condition	Consent exercised	N/A
14. Optional review provision re environmental effects	No further opportunities for review	N/A
15. Discharge to land not to result in any contaminant entering water	Sampling	Yes
Overall assessment of environmental performance in respect of this consent		High
Overall assessment of administrative performance in respect of this consent		High

N/A = not applicable

During the year, Downer demonstrated a high level of environmental performance and a high level of administrative performance in relation to their South Road resource consent as defined in Section 1.1.5.

9.3.4 Recommendations from the 2016-2017 Annual Report

1. THAT in the first instance, monitoring of discharges from Downer's South Road cleanfill in the 2017-2018 year continues at the same level as in 2016-2017.
2. THAT should there be issues with environmental or administrative performance in 2017-2018, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

These recommendations were implemented.

9.3.5 Alteration to the monitoring programme for 2018-2019

In designing and implementing the monitoring programmes for air/water discharges in the region, the Council has taken into account:

- the extent of information already made available through monitoring or other means to date;
- its relevance under the RMA;
- the Council's obligations to monitor consented activities and their effects under the RMA;
- the record of administrative and environmental performances of the consent holder; and
- 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 exercising resource consents.

It is proposed that for 2018-2019, the programme remains unchanged.

It should be noted that the proposed programme represents a reasonable and risk-based level of monitoring for the site in question. The Council reserves the right to subsequently adjust the programme from that initially prepared, should the need arise if potential or actual non-compliance is determined at any time during 2018-2019.

9.4 Recommendations

1. THAT in the first instance, monitoring of discharges from Downer's South Road cleanfill in the 2018-2019 year continues at the same level as in 2017-2018.
2. THAT should there be issues with environmental or administrative performance in 2018-2019, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

10 Gas and Plumbing Ltd – Colson Road, New Plymouth

10.1 Site description and activities

Earthworks Earthmoving Ltd held consent 7165 -1 to discharge cleanfill to land. This consent was transferred to Gas and Plumbing Ltd (Gas and Plumbing) on 8 August 2012.

The site is situated opposite the Colson Road transfer station entrance, and cleanfilling operations at this site began in late 2007. As the cleanfill progresses down the gully the culvert will be extended to stay ahead of the tip face. The culvert consent is held by Wayne Eustace who is a director of Gas and Plumbing.

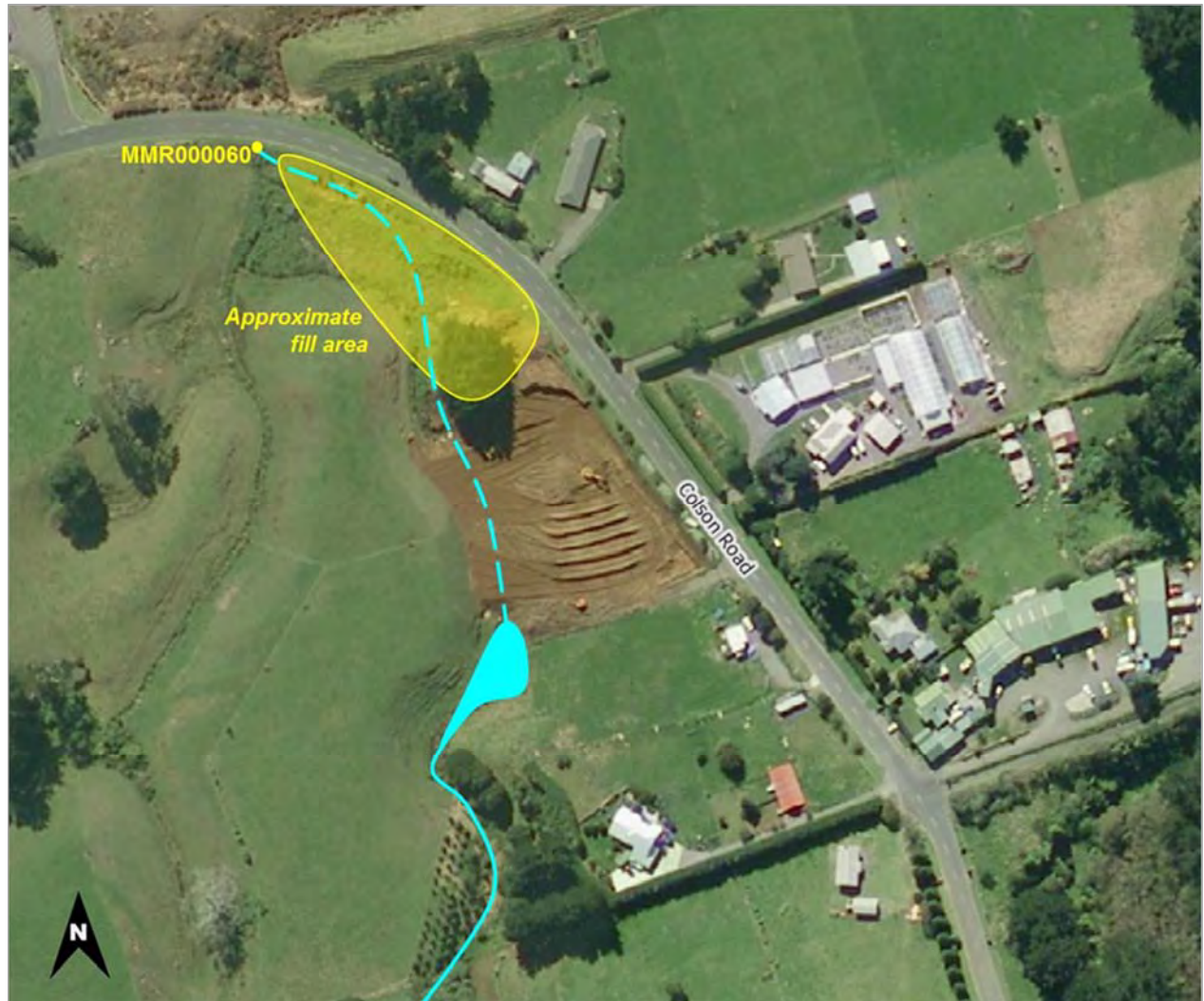


Figure 10 Gas and Plumbing Ltd's cleanfill and sampling site at Colson Road, New Plymouth

10.2 Results

10.2.1 Inspections

The cleanfill was inspected on three occasions during the period under review.

13 September 2017

At the time of inspection the site it was noted that the site looked to be used only very occasionally. There were a few loads of soil present that did not contain any unacceptable material.

20 February 2018

At the time of inspection it was observed that the cleanfill site had not been used for some period of time. Everything had re-vegetated and the site was compliant with consent conditions at the time of inspections. The consent holder was informed that the final compliance rating for this inspection was pending sample results.

28 May 2018

At the time of inspection it appeared that no new loads had been brought onto the site since the last inspection. The cleanfill area was well grassed and vegetated, with nothing disposed of recently at the tip face. The site was compliant at the time of inspection.

10.2.2 Results of receiving environment monitoring

On 20 February 2018 a sample was taken in the Mangamiro Stream, below the cleanfill (TRC site code MR000060). The results are given in the table below.

Table 17 Chemical analysis of the Mangamiro Stream at Gas and Plumbing's cleanfill, Colson Road, New Plymouth

Parameter	Units	MMR000060 (u/s of Colson Road)
Conductivity @ 20 °C	mS/m	21.1
Unionised ammonia	g/m ³	0.00031
Ammoniacal nitrogen	g/m ³ -N	0.101
pH	pH	6.8
Temperature	°C	20.1

The ammoniacal nitrogen concentration found on this occasion was the third lowest recorded at this monitoring site. Unionised ammonia was also found to be at a very low concentration. The conductivity was found to be in the expected range for Taranaki freshwater at this elevation.

These results indicate that the cleanfill's presence is not likely to be having any significant effect on receiving water quality.

10.2.3 Investigations, interventions, and incidents

In the 2017-2018 period, the Council was not required to undertake significant additional investigations and interventions, or record incidents, in association with Gas and Plumbing's conditions in resource consents or provisions in Regional Plans.

10.3 Discussion

10.3.1 Discussion of site performance

During the period under review the site was found to be well managed and compliant with consent conditions at the time of the inspections.

10.3.2 Environmental effects of exercise of consents

Sample results and observations made during inspections indicate that the presence of the cleanfill is not having any significant effect on the environment.

10.3.3 Evaluation of performance

A tabular summary of the Gas and Plumbing's compliance record for the year under review is set out in the table below.

Table 18 Summary of performance for Gas and Plumbing's cleanfill consent 7165-1

Purpose: To discharge cleanfill onto and into land in the vicinity of an unnamed tributary of the Manguone Stream		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
1. Discharge only in specified area	Inspections	Yes
2. Only discharge cleanfill and/or inert materials	Inspections	Yes
3. No discharge of materials detailed in the consent	Inspections	Yes
4. If the acceptability of a substance is uncertain, obtain approval from the Council	No approval sought or required	N/A
5. Silt retention structures shall be installed if required	Inspections	Yes
6. Stormwater control drains shall be installed if required	Inspections	Yes
7. Adopt best practice	Inspections	Yes
8. Upon completion the discharge site shall be reinstated and re-vegetated	Site still in use	N/A
9. Review condition	Next opportunity for review June 2020	N/A
Overall assessment of environmental performance in respect of this consent		High
Overall assessment of administrative performance in respect of this consent		High

N/A = not applicable

During the year, Gas and Plumbing demonstrated a high level of environmental performance and a high level of administrative performance with their resource consents as defined in Section 1.1.5.

10.3.4 Recommendations from the 2016-2017 Annual Report

1. THAT in the first instance, monitoring of discharges from Gas and Plumbing's cleanfill in the 2017-2018 year continues at the same level as in 2016-2017.
2. THAT should there be issues with environmental or administrative performance in 2017-2018, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

These recommendations were implemented.

10.3.5 Alterations to the monitoring programme for 2018-2019

In designing and implementing the monitoring programmes for air/water discharges in the region, the Council has taken into account:

- the extent of information already made available through monitoring or other means to date;
- its relevance under the RMA;
- the Council's obligations to monitor consented activities and their effects under the RMA;
- the record of administrative and environmental performances of the consent holder; and
- 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 exercising resource consents.

It is proposed that for 2018-2019, the programme remains unchanged.

It should be noted that the proposed programme represents a reasonable and risk-based level of monitoring for the site in question. The Council reserves the right to subsequently adjust the programme from that initially prepared, should the need arise if potential or actual non-compliance is determined at any time during 2018-2019.

10.4 Recommendations

1. THAT in the first instance, monitoring of discharges from Gas and Plumbing's cleanfill in the 2018-2019 year continues at the same level as in 2017-2018.
2. THAT should there be issues with environmental or administrative performance in 2018-2019, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

11 Graham Harris Ltd – Egmont Road, New Plymouth

11.1 Site description and activities

Graham Harris Ltd (Graham Harris) holds consent 6771-1 to discharge cleanfill to land. The site is located at 341 Egmont Road, and is surrounded by farm land. The site was consented to accept cleanfill in December 2005, with the consent issued to Graham Harris (2000) Ltd. The consent was transferred to Graham Harris Ltd on 25 October 2017. The area being filled is a moderately large depression in the center of a paddock, and this has become Taranaki's largest cleanfill. The site has one entrance, which is secured by a locked gate. It is a requirement of condition 2 that the exercise of the consent be undertaken in accordance with the documentation provided with the application. The application stated that:

- silt run off would be treated by means of silt traps downstream of the site but before the neighbour's boundary;
- stormwater would be diverted from the fill area wherever possible, particularly with regard to stormwater from the upstream catchment; and
- the toe of the cleanfill will finish no closer than 10 m from the neighbour's boundary fence and that final gradients will be at least 1 in 4

Surface water interceptor drains have been installed around the designated fill area.



Figure 11 Graham Harris Ltd's cleanfill, Egmont Road, New Plymouth

11.2 Results

11.2.1 Inspections

The Graham Harris landfill was inspected three times during the year under review.

13 September 2017

At the time of inspection there were recent loads of soil and broken concrete found to have been brought on to the site. The cleanfill material had been levelled and covered with as much clay as possible given the recent wet weather. There had been some slumping at the fill face, but good grass cover was noted below the face.

20 February 2018

It was observed that a lot of the site had been reinstated since the previous inspection, with good grass cover across these areas. It was noted that the revegetation was working well to stabilise the large slope at the site. Soil and concrete were the only materials observed to be present in the fill face. Samples were collected during the inspection.

30 May 2018

At the time of inspection several loads of clay and tree stumps were found above the fill area that were yet to be pushed over onto the fill face. The material observed in the fill face was all compliant. The site was managed well with any unconsented material removed and placed away from the cleanfill disposal area, awaiting appropriate off site disposal. The activity was compliant with consent conditions at the time of inspection.

11.2.2 Results of receiving environment monitoring

As this site is the largest cleanfill in Taranaki it was recommended that sampling be carried out in the 2016-2017 year. However, this was delayed and two samples were collected during the year under review. The sampling site (MGI000400) was established in the unnamed tributary of the Mangaemiemi Stream at the property boundary. The results of are shown in the table below.

Table 19 Chemical analysis of receiving waters downstream of Graham Harris Ltd's cleanfill

Parameter	Units	MGI000400 6 July 2018 (d/s of cleanfill trib)	MGI000400 20 Feb 2018 (d/s of cleanfill trib)
Conductivity @ 20 °C	mS/m	33.8	65.6
Unionised ammonia	g/m ³	0.00406	0.01179
Ammoniacal nitrogen	g/m ³ -N	2.04	3.63
pH	pH	6.9	6.8
Temperature	°C	11.3	21.0

At this site conductivity was found to be high, but showing an obvious seasonal variation. This could be attributed to the ammoniacal nitrogen levels in the stream, which are also elevated. These levels may be influenced by the surrounding land use, which is pastoral. The unionised ammonia levels were elevated in summer, but were under the guideline of 0.025 g/m³ contained in the Regional Freshwater Plan to protect aquatic ecosystems from chronic effects.

11.2.3 Investigations, interventions and incidents

In the 2017-2018 period, the Council was required to undertake significant additional investigations and interventions, or record incidents, in association with Graham Harris Ltd's conditions in resource consents or provisions in Regional Plans.

24 July 2017

Notification was received from Graham Harris concerning a slip at their cleanfill that had discharged onto the neighbouring property and into surface water at Egmont Road, New Plymouth. A site visit was undertaken to discuss the large slip that had occurred to a section of reinstated cleanfill. It was evident that the slip had resulted in sediment discharging onto the neighbouring property and into the nearby tributary. It was found that the surface water discharging from the site at the time of the inspection was visually clear. It was discussed that due to recent weather events, the viscosity of the slipped material and the surrounding area was not currently sound enough to allow heavy machinery access to the slip to undertake remedial works. It was agreed that remedial work would have to wait until the weather had settled and both the slipped material and surrounding ground had dried. Any work carried out at the moment to remedy the situation had the potential to cause more damage to the receiving environment. It was stated that a formal request would be forwarded seeking an explanation of the events surrounding this incidents.

A letter of explanation was received and accepted, which outlined that the consent holder had consulted the affected neighbour and the remedial actions and timeframe of this had been agreed. It was proposed that the reclaimed slip material would be used to create a bund inside the property boundary to retain any material should any future slips occur, and that additional silt controls would be installed.

11.3 Discussion

11.3.1 Discussion of site performance

During the period under review the site was found to be well managed and compliant with consent conditions at the time of the inspections. However, re-instated filled material became unstable during prolonged wet weather resulting in a discharge of material beyond the property boundary and into the unnamed tributary of the Mangaemiemi Stream. Given that the area of the cleanfill impacted had been reinstated, this indicated that there had been insufficient compaction, stormwater control and/or there was an inappropriate batter for the local weather conditions, surrounding topography and land use. In the application it was stated that the finished batters would be a gradient of 1 in 4.

11.3.2 Environmental effects of exercise of consents

Sample results and observations made during inspections indicate that the presence of the cleanfill is not having any significant effect on the environment. Although there was a slip of reinstated cleanfill into the unnamed tributary of the Mangaemiemi Stream, following appropriate remediation, this is not expected to result in a long term significant adverse effect on the environment.

11.3.3 Evaluation of performance

A tabular summary of Graham Harris Ltd's compliance record for the year under review is set out in the table below.

Table 20 Summary of performance for Graham Harris Ltd's cleanfill consent 6771-1

Purpose: To discharge cleanfill onto and into land		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
1. Adopt best practice	Inspections	No. Slip of reinstated cleanfill into the unnamed tributary of the Mangaemiemi Stream
2. Exercise consent in accordance with application	Inspections and incident response	No. Re-instated area that slipped had not been stabilised as per application documentation
3. Only discharge cleanfill and/or inert materials	Inspections and sampling	Yes
4. No discharge of prohibited materials listed in the consent	Inspections and sampling	Yes
5. If the acceptability of a substance is uncertain, obtain approval from the Council	No approval sought	Yes
6. No discharge of contaminants to water	Inspections	No. Slip of reinstated cleanfill into the unnamed tributary of the Mangaemiemi Stream
7. Install silt retention structures	Inspections	Yes
8. Install and maintain stormwater diversion drains	Inspections	Yes
9. Maintain appropriate contour	Inspections	Yes
10. No burning	Inspections	Yes
11. Provide information if requested	Not requested during period under review	N/A
12. Lapse period	Consent has been exercised	N/A
13. Optional review provision re environmental effects	No further review prior to expiry	N/A
Overall assessment of environmental performance in respect of this consent		Improvement required
Overall assessment of administrative performance in respect of this consent		Improvement required

N/A Not applicable

During the year, an improvement was required in Graham Harris Ltd's environmental and administrative performance with their resource consents as defined in Section 1.1.5. Although the site was found to be well managed at inspection, there was a slip from a reinstated area of the cleanfill into the unnamed tributary of the Mangaemiemi Stream.

11.3.4 Recommendations from the 2016-2017 Annual Report

1. THAT in the first instance, monitoring of discharges from Graham Harris's (2000) Ltd's cleanfill in the 2017-2018 year continues at the same level as programmed for 2016-2017.
2. THAT should there be issues with environmental or administrative performance in 2017-2018, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

11.3.5 Alterations to the monitoring programme for 2018-2019

In designing and implementing the monitoring programmes for air/water discharges in the region, the Council has taken into account:

- the extent of information already made available through monitoring or other means to date;
- its relevance under the RMA;
- the Council's obligations to monitor consented activities and their effects under the RMA;
- the record of administrative and environmental performances of the consent holder; and
- 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 exercising resource consents.

It is proposed that for 2018-2019, the programme remains unchanged.

It should be noted that the proposed programme represents a reasonable and risk-based level of monitoring for the site in question. The Council reserves the right to subsequently adjust the programme from that initially prepared, should the need arise if potential or actual non-compliance is determined at any time during 2018-2019.

11.4 Recommendations

1. THAT in the first instance, monitoring of discharges from Graham Harris's (2000) Ltd's cleanfill in the 2018-2019 year continues at the same level as programmed for 2017-2018.
2. THAT should there be issues with environmental or administrative performance in 2018-2019, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

12 JW & CT Bailey Ltd – Saxton Road, New Plymouth

12.1 Site description and activities

JW & CT Bailey Ltd (Bailey) specialised in projects involving earthworks and earth moving equipment. This business was sold to Rough Contracting during the 2014-2015 year, however Bailey's still own the land on which the culvert and closed cleanfill are located. The depot is located on Saxton Road in the vicinity of the Te Henui Stream, and the site was used for the disposal of cleanfill materials from earth moving projects undertaken by Bailey Contracting.

The cleanfill at the site has now been completed, and consents 5825-2, to discharge cleanfill onto and into land for land improvement purposes, and 5826-2, to discharge emissions to air associated with cleanfill activity for land improvement purposes, were surrendered on 11 December 2014.

Bailey still holds consents 4999-3, to discharge up to 130 m³/day (1.5 L/s) of leachate from a former cleanfill into an unnamed tributary of the Te Henui Stream, and 5824-2, to culvert an unnamed tributary of the Te Henui Stream for land improvement purposes associated with cleanfill activity.



Figure 12 JW & TC Bailey Ltd's cleanfill, Saxton Road, New Plymouth

12.2 Results

12.2.1 Inspections

The Bailey cleanfill was inspected once during the period under review.

22 February 2018

It was noted that this is a completed cleanfill site. There were no active cleanfilling related activities occurring at the time of inspection. The discharge from the culvert was of clear appearance and samples were collected during the inspection. No adverse environmental effects were observed in the stream and the receiving water.

12.2.2 Results of discharge and receiving water monitoring

Two receiving environment samples were taken from the Te Henui Stream, and a leachate sample was taken on 20 Feb 2018. The results of the chemical analyses of the samples are presented in the table below and the sampling locations are shown in Figure 12.

Table 21 Chemical analysis of the Te Henui Stream above and below JW & CT Bailey Ltd's cleanfill, and cleanfill leachate, Saxton Road, New Plymouth, 22 February 2018

Parameter	Units	THN000380 (u/s of cleanfill trib)	THN000389 (d/s of cleanfill trib)	IND005005 (cleanfill leachate)
Conductivity @ 20 °C	mS/m	8.2	8.2	20.8
Unionised ammonia	g/m ³	0.00036	0.00016	0.00196
Ammoniacal nitrogen	g/m ³ -N	0.005	0.005	1.21
pH	pH	7.9	7.9	6.6
Temperature	°C	18.2	18.3	17.8

The results show that there was no significant change in water quality in the Te Henui Stream between the sampling sites up and downstream of the tributary that runs under the cleanfill. The conductivity remained unchanged which indicates that there is no significant leaching into the Te Henui Stream.

The unionised ammonia concentration of the cleanfill leachate showed a slight elevation, but was well below the 0.025 g/m³ guideline value given in the RFWP to protect aquatic ecosystems that maybe subjected to long term exposure.

Although the unionised ammonia, ammoniacal nitrogen and conductivity were higher in the leachate than that found in the stream, they were having no significant effect on the receiving water.

Historical monitoring indicated that the levels ammoniacal nitrogen in the leachate reduced significantly between 1993 and 2008. During the 2008 to 2015 years results indicated that there may have been an emerging increasing trend. The two results obtained during the 2016-2017 and 2017-2018 years indicate that the concentrations may have stabilised, however, further monitoring will be required to confirm this.

12.2.3 Investigations, interventions, and incidents

In the 2017-2018 period, the Council was not required to undertake significant additional investigations and interventions, or record incidents, in association with Bailey's conditions in resource consents or provisions in Regional Plans.

12.3 Discussion

12.3.1 Discussion of site performance

The cleanfill area is no longer actively used and has been reinstated and fenced. The site has been capped and stabilised, and has a good cover of vegetation.

12.3.2 Environmental effects of exercise of consents

Although there were slight elevations above background in the conductivity and ammoniacal nitrogen concentration of the leachate, no significant adverse effects were observed on water quality of the Te Henui Stream due to cleanfilling activities at the site.

12.3.3 Evaluation of performance

A tabular summary of Bailey's compliance record for the period under review is set out in the following tables.

Table 22 Summary of performance for JW & CT Bailey Ltd's leachate consent 4999-3

Purpose: To discharge up to 130 m³/day (1.5 L/s) of leachate from a former cleanfill into an unnamed tributary of the Te Henui Stream		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
1. Maintain stormwater drains and contours at the site	Inspections	Yes
2. Prevent or minimise any likely adverse effects on the environment due to the discharge of leachate	Inspections	Yes
3. Discharge shall not alter water quality in the Te Henui Stream	Inspections and water sampling	Yes
4. Prevent or minimise any likely adverse effects on the environment due to any discharge at the site	Inspections and water sampling	Yes
5. Optional review provision re environmental effects	No further provision for review prior to expiry	N/A
Overall assessment of environmental performance in respect of this consent		High
Overall assessment of administrative performance in respect of this consent		High

N/A = not applicable

Table 23 Summary of performance for JW & CT Bailey Ltd's culvert consent 5824-2

Purpose: To culvert an unnamed tributary of the Te Henui Stream for land improvement purposes associated with cleanfill activity		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
1. Comply with information submitted in support of application	Inspections	Yes
2. Notification of the commencement and completion of the project, and of any maintenance which may disturb the stream bed	No maintenance during period under review	N/A
3. Maintain stormwater drains and/or contours at the site	Inspections	Yes
4. Maintain the culvert	Inspections	Yes
5. Install silt retention structures	No maintenance during period under review	N/A
6. Minimise disturbance to the stream bed	No maintenance during period under review	N/A
7. Prevent or minimise any likely adverse effects on the environment	No maintenance during period under review	N/A
8. Remove the structures and reinstate the area when the structures are no longer needed	Structure in use	N/A
9. Optional review provision re environmental effects	No further provision for review prior to expiry	N/A
Overall assessment of environmental performance in respect of this consent		High
Overall assessment of administrative performance in respect of this consent		High

N/A = not applicable

During the period under review, Bailey demonstrated a high level of environmental performance and a high level of administrative performance with their resource consents as defined in Section 1.1.5.

12.3.4 Recommendations from the 2016-2017 Annual Report

1. THAT in the first instance, the monitoring of discharges from Bailey's cleanfill in the 2017-2018 year remains unchanged from that of 2016-2017.
2. THAT should there be issues with environmental or administrative performance in 2017-2018, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

These recommendations were implemented.

12.3.5 Alterations to the monitoring programme for 2018-2019

In designing and implementing the monitoring programmes for air/water discharges in the region, the Council has taken into account:

- the extent of information already made available through monitoring or other means to date;
- its relevance under the RMA;
- the Council's obligations to monitor consented activities and their effects under the RMA;
- the record of administrative and environmental performances of the consent holder; and
- 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 exercising resource consents.

It is proposed that for 2018-2019, the programme remains unchanged.

It should be noted that the proposed programme represents a reasonable and risk-based level of monitoring for the site(s) in question. The Council reserves the right to subsequently adjust the programme from that initially prepared, should the need arise if potential or actual non-compliance is determined at any time during 2018-2019

12.4 Recommendations

1. THAT in the first instance, the monitoring of discharges from Bailey's cleanfill in the 2018-2019 year remains unchanged from that of 2017-2018.
2. THAT should there be issues with environmental or administrative performance in 2018-2019, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

13 Rocky Bay Holdings Ltd – Smart Road, New Plymouth

13.1 Site description and activities

Rocky Bay Holdings Ltd (Rocky Bay) holds resource consent 10471-1 to discharge cleanfill onto land at 123-137 Smart Road, New Plymouth, in the Waiwhakaiho catchment. The 3.5 ha property is surrounded by residential areas, with the Colson Road landfill located 600 m to the east of the cleanfill site (Figure 13).

The purpose of this cleanfill activity is to fill a gully on the property (Photo 1). Council was advised that the cleanfill material was to be sourced from pre-approved contractors that are predominantly involved in residential excavation. Conditions on the consent require that, where the soil has originated from a site associated with an activity known to have the potential for contaminants to be present above background levels, the material will need to be approved for disposal on a case-by-case basis. Access to the site is via a locked gate and all contractors have been advised that they must fill in the log book kept on site.

Although the gully is dry, Rocky Bay undertook to install a silt trap to treat any potential run off from the fill area.

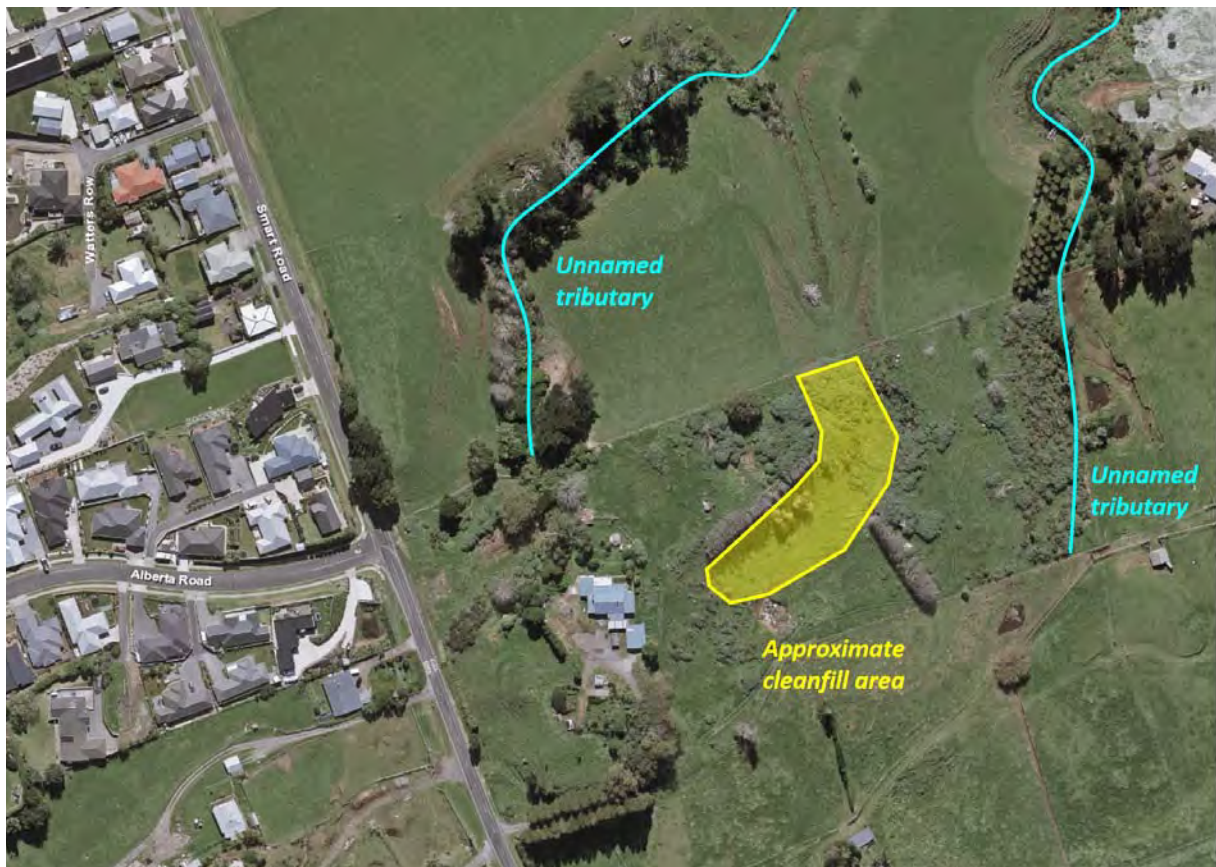


Figure 13 Location of Rocky Bay Holdings Ltd cleanfill, Smart Road, New Plymouth



Photo 1 Rocky Bay Holdings Ltd approximate cleanfill area

13.2 Results

13.2.1 Inspections

9 March 2018

At the time of inspection the site was well set up, with signs clearly defining areas for cleanfill loads. Soil, concrete and tiles were the only materials observed on site. The gate providing access onto the site was locked, the activity was found to be compliant with consent conditions.

28 May 2018

At the time of inspection the site was well set up and sign posted. Each area of the site contained consented material. Below the cleanfill there was an area that had been dug out to catch any possible sediment runoff. The activity was found to be compliant with consent conditions at the time of inspection.

13.2.2 Results of discharge and receiving waters monitoring

As the cleanfill site is not near a water body, there is no routine water sampling programmed for this cleanfill. No water discharges were noted from the site during inspections.

13.2.3 Investigations, interventions, and incidents

In the 2017-2018 period, the Council was not required to undertake significant additional investigations and interventions, or record incidents, in association with Rocky Bay's conditions in resource consents or provisions in Regional Plans.

13.3 Discussion

13.3.1 Discussion of site performance

The site was generally found to be well managed during the period under review. No issues arose, and the activity was found to be compliant with consent conditions.

13.3.2 Environmental effects of exercise of consents

No significant adverse effects on the environment were observed during inspections.

13.3.3 Evaluation of performance

A tabular summary of Rocky Bay's performance for consent 10471-1 is shown in the table below.

Table 24 Summary of performance for Rocky Bay cleanfill consent 10471-1

Purpose: To discharge cleanfill onto and into land.		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
1. Notify at least seven days prior to commencement of fill operations	Review of Council records and inspections	Yes
2. Discharge fill in permitted area only	Inspections	Yes
3. Only discharge cleanfill and/or inert materials	Inspections	Yes
4. No discharge of prohibited materials listed in the consent	Inspections	Yes
5. If the acceptability of a substance is uncertain, obtain approval from the Council	No approval sought or required	N/A
6. Record discharger, source, nature, volume and date of any discharges and provide information to Council if requested	Not requested during period under review	Not assessed
7. Adopt best practice	Inspections	Yes
8. Maintain appropriate contour	Inspections	Yes
9. Minimise effects on water	Inspections	Yes
10. Defines requirements of capping	Inspections and sampling	Yes
11. Requirements of re-vegetation upon completion	Inspections	Yes
12. Lapse period	Consent has been exercised	N/A

Purpose: <i>To discharge cleanfill onto and into land.</i>		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
13. Optional review provision re environmental effects	Next review June 2017	N/A
Overall assessment of environmental performance in respect of this consent		High
Overall assessment of administrative performance in respect of this consent		High

N/A = not applicable

During the period under review, Rocky Bay demonstrated a high level of environmental performance and a high level of administrative performance with their resource consents as defined in Section 1.1.5.

13.3.4 Alterations to the monitoring programme for 2018-2019

In designing and implementing the monitoring programmes for air/water discharges in the region, the Council has taken into account:

- the extent of information already made available through monitoring or other means to date;
- its relevance under the RMA;
- the Council's obligations to monitor consented activities and their effects under the RMA;
- the record of administrative and environmental performances of the consent holder; and
- 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 exercising resource consents.

This site was included in the Regional Cleanfill programme for the first time during the 2017-2018 year. It is proposed that for 2018-2019, the programme remains unchanged.

It should be noted that the proposed programme represents a reasonable and risk-based level of monitoring for the site in question. The Council reserves the right to subsequently adjust the programme from that initially prepared, should the need arise if potential or actual non-compliance is determined at any time during 2018-2019.

13.4 Recommendations

1. THAT in the first instance, monitoring of discharges from the Rocky Bay cleanfill in the 2018-2019 year continues at the same level as in the 2017-2018 period.
2. THAT should there be issues with environmental or administrative performance in 2018-2019, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

14 TPJ Partnership – Rainie Road, Hawera

14.1 Site description and activities

TPJ Partnership (TPJ) was granted consent 10202-1 on 26 January 2016 to discharge cleanfill to land in the vicinity of an unnamed tributary of the Inaha Stream, and where there is potential for contaminants to enter the stream. The site is located at Rainie Road, Hawera and is surrounded by farmland. The material is being used to fill up a gully covering a horizontal area of up to 1 ha (Figure 14), which contains approximately 160 m of an unnamed tributary of the Inaha Stream. The approximate fill area is shown in the figure below. The full extent permitted is shown in the consent (Appendix I).

The application indicated that the cleanfill material would predominantly be construction and demolition waste. This is not typical for cleanfills in the region, which normally only accept minor amounts of acceptable materials from this type of waste stream.

As a result consent 10202-1 contains additional conditions that require:

- Notice to Council and provision of discharge material details prior to discharge, so that the Council has the opportunity to monitor the works for compliance with consent conditions (condition 6); and
- Record keeping that includes details of the source, nature and volumes of the materials discharged to allow effective monitoring of the operation and any associated effects on the surrounding environment (condition 7).

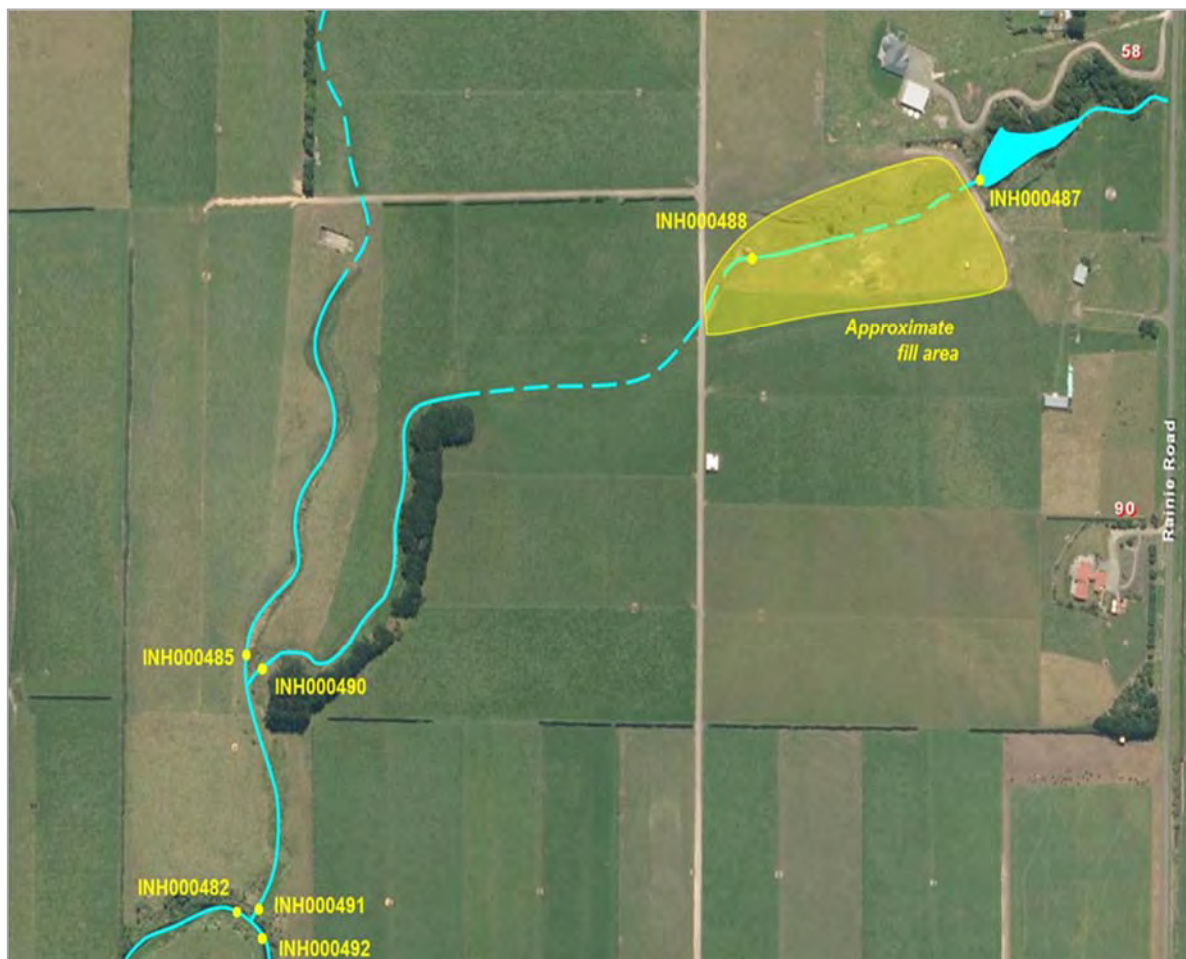


Figure 14 TPJ Partnership's cleanfill and sampling sites at Rainie Road, Hawera

The site also has a separate area for the storage of green waste, and the consent holder is currently working through site management practices and potential consenting requirements with Council. This area is bunded to prevent the movement of stormwater across the site from the surrounding land, and there is a large sediment and silt trap installed at the base of the area.

Consent 10209-1 was also granted on 26 January 2016, to allow piping of two unnamed tributary of the Inaha Stream. The piping consent is for the 675 m of piping of two unnamed tributaries of the Inaha Stream which had been undertaken without the necessary authorization. In addition the consent provided for the future piping of another 45 m section of the stream (Figure 15). The proposed 45 m long piping is to be undertaken in associated with the discharge of contaminants to land being assessed under application 10202 and it is expected that the proposed piping will be completed over a three year period, depending on how long it takes to fill the gully.

In terms of the piping undertaken prior to the granting of the consent, approximately 115 m of piping was undertaken about three years ago, while the remaining (approximately 600 m) was undertaken at different stages over an 18 year period. There was little, if any, information provided to Council regarding the nature of the fill used above these culvert pipes.

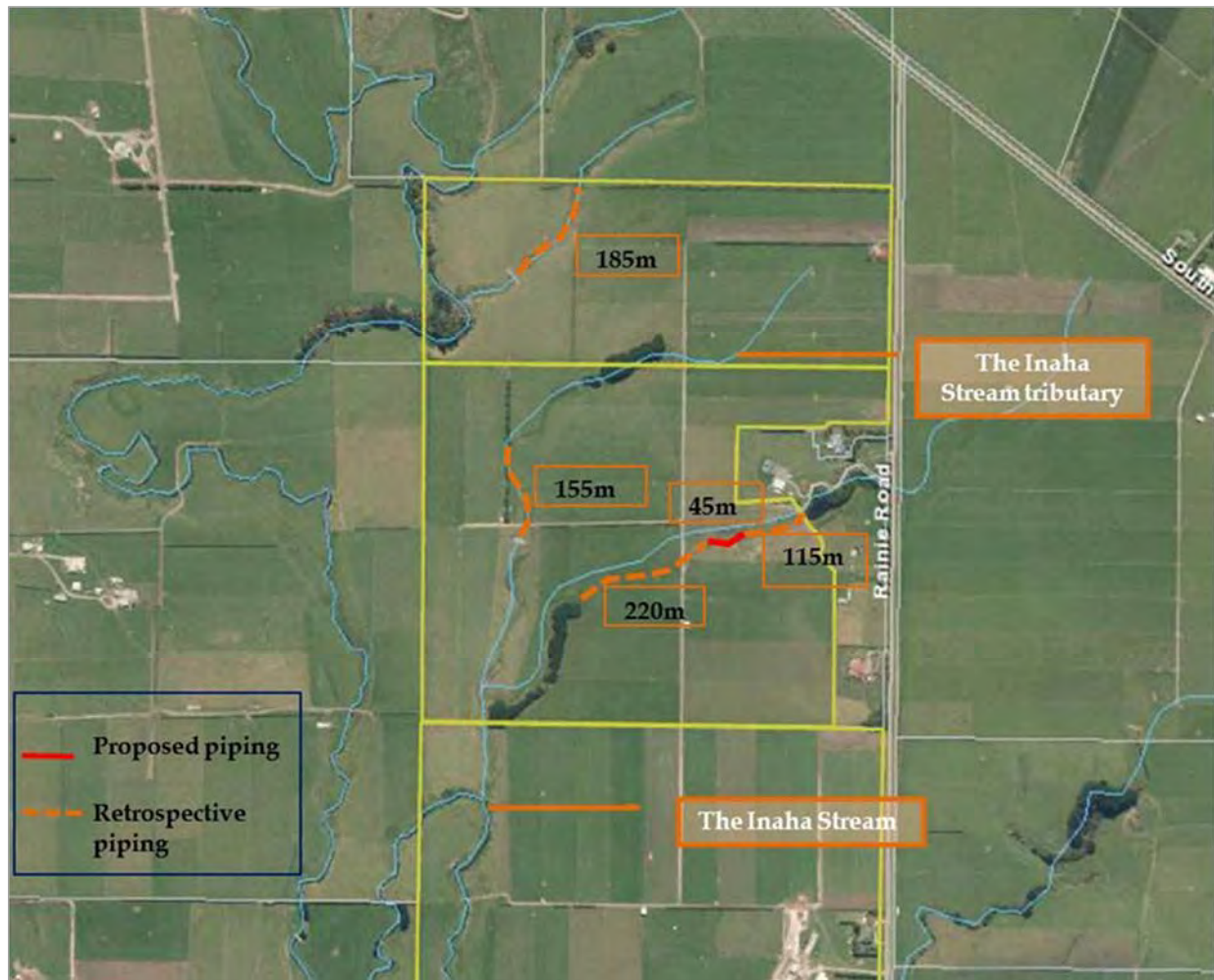


Figure 15 Map of TPJ Partnership retrospective and proposed piping

14.2 Results

The consent holder continues to contact Council regarding the disposal of material, when there is any doubt about whether or not it is acceptable under the conditions of the consent. During the year under review, approvals were sought regarding the disposal of segregated building materials, uncontaminated material from industrial sites and soil from the redevelopment of the Patea service station. Sample results provided indicated that the material from the BP service station was not suitable for disposal at this site and this was disposed of via an alternative route. Enquiries were also made about the information that would be required for Council to make a decision on whether any of the material from the clearance of the old Ravensdown Store at Mangatoki could be accepted under this consent.

14.2.1 Inspections

Three inspections were carried out at the TPJ Cleanfill for the period under review.

5 September 2017

At the time of inspection all visible material was acceptable. Records of loads were being kept and the required details were well documented. The site looked good at the time of inspection.

12 February 2018

At the time of inspection it was noticeable that the site had been used frequently by various contractors. There was mainly soil and broken concrete, but with untreated timber and hard plastics also evident in the fill face. The site was tidy and well kept. Samples were taken during the inspection.

1 June 2018

Several loads of material had been brought onto the site since the previous inspection. The material consisted of concrete, soil, aged tree stumps and untreated timber, which are all consented materials. There was no unconsented material visible in the face of the cleanfill. The site looked to be getting used regularly and the consent holder was advised to continue with regular monitoring to ensure contractors using the site continued to comply with consent conditions. The site was compliant at the time of inspection.

14.2.2 Riparian Planting

The piping consent contains requirements for riparian fencing and planting to be undertaken. At the time of application there was 1,605 m of fencing and planting completed, with a total of approximately 4 km of stream margins to protect. However, this included the 45 m of piping (90 m of stream bank) that is now permitted by the consent, which leaves a total of 4,140 m of stream bank to be fenced and planted on the property. This falls into the third category specified in condition 8 of consent 10209, which therefore requires that 1,000 m of planting be completed by June 2017, 3,000 m by June 2018, and the remainder by June 2019.

The riparian plan for the site has been included in Appendix II.

To date TPJ have protected 2,475 m of streambank out of the original 4,140 m, with 1,665 m left to do (after excluding the stream bank that will be lost when the new culvert is installed). Between the time of the application and the writing of this report only a further 875 m of stream bank has been protected by fencing and planting compared to the 1,400 m of planting that was required to comply with 3,000 m completion by June 2018. This has been logged as a consent non-compliance on the incidents register, with an explanation having been requested. This will be discussed further in the 2018-2019 Annual Report.

14.2.3 Results of discharge and receiving water monitoring

Water quality samples were taken during the monitoring period. Samples were taken in order to provide background information on the receiving environment. This is due to the potential for contaminants from the cleanfill to enter the Inaha Stream. Two sites were established in respect to the TPJ cleanfill. As the TPJ site is an atypical cleanfill, initially an additional range of parameters will be monitored. The parameters monitored at this cleanfill are pH, conductivity, ammoniacal nitrogen, suspended solids, sulphate, arsenic, copper, lead, and zinc. The results of this sampling are summarised in the table below.

Table 25 Sampling results from the TPJ Partnership cleanfill's receiving waters, 12 February 2018

Parameter	Units	INH000488 (Immediately d/s of cleanfill)	INH000491 (cleanfill tributary u/s confluence with Inaha Stream))
Conductivity @ 20 °C	mS/m	40.7	34.7
Unionised ammonia	g/m ³	<0.00052	0.00237
Ammoniacal nitrogen	g/m ³ -N	0.048	0.056
pH	pH	7.3	7.9
Temperature	°C	21.8	21.9
Arsenic Dissolved	g/m ³	<0.001	<0.001
Arsenic Total	g/m ³ ,mg/kg	<0.001	<0.001
Copper Acid Soluble	g/m ³	0.001	0.001
Copper Dissolved	g/m ³	<0.001	0.001
Lead Acid Soluble	g/m ³	<0.05	<0.05
Lead Dissolved	g/m ³	<0.05	<0.05
Sulphate	g/m ³	31.4	36.6
Suspended Solids	g/m ³	26	4
Zinc Acid Soluble	g/m ³	<0.005	<0.005
Zinc Dissolved	g/m ³	<0.005	<0.005

The unionised ammonia levels are higher closer to the confluence with the Inaha Stream, rather than to the cleanfill itself. This is likely due to stock grazing the area around site. These levels are well below the 0.025 g/m³ guideline value given in the RFWP to protect aquatic ecosystems that maybe subjected to long term exposure. Conductivity levels were found to be high in both sites, with a higher concentration found downstream of the cleanfill. There were no metals detected in either sample.

14.2.4 Investigations, interventions, and incidents

In the 2017-2018 period, the Council was not required to undertake significant additional investigations and interventions, or record incidents, in association with TPJ's conditions in resource consents or provisions in Regional Plans.

14.3 Discussion

14.3.1 Discussion of site performance

The cleanfill is currently operational. The site was found to be well managed and maintained, with no incidents arising during the year under review.

The riparian fencing and planting has fallen behind consent requirements, with the additional protected stream bank length being only 63 % of that required by June 2018.

14.3.2 Environmental effects of exercise of consents

During inspections, no significant adverse effects on the environment were observed as a result of the cleanfill operation. No significant adverse effects would be expected from the non-compliance with the riparian planting schedule required by the consent.

14.3.3 Evaluation of performance

A tabular summary of TPJ's compliance record for the period under review is set out in the following tables.

Table 26 Summary of performance for TPJ Partnership's cleanfill consent 10202-1

Purpose: To discharge cleanfill and inert materials onto and into land, where contaminants may enter into an unnamed tributary of the Inaha Stream		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
1. Notify at least seven days prior to commencement of fill operations	Review of Council records and inspections	Yes
2. Discharge fill in permitted area only	Inspections	Yes
3. Only discharge cleanfill and/or inert materials	Inspections	Yes
4. No discharge of prohibited materials listed in the consent	Inspections	Yes
5. If the acceptability of a substance is uncertain, obtain approval from the Council	Approvals sought and disposals undertaken in line with Council requirements	Yes
6. Notify Council at least two days prior to any discharge on site	Review of Council records and inspections	Yes
7. Record discharger, source, nature, volume and date of any discharges and provide information to Council if requested	Inspection, check of Council records	Yes
8. Install and maintain stormwater diversion drains	Inspections	Yes
9. Minimise effects on water	Inspections and sampling	Yes

Purpose: To discharge cleanfill and inert materials onto and into land, where contaminants may enter into an unnamed tributary of the Inaha Stream		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
10. Maintain appropriate contour	Inspections	Yes
11. Limits on effects in receiving waters	Inspections and sampling	Yes
12. Adopt best practice	Inspections	Yes
13. Lapse period	Consent has been exercised	N/A
14. Optional review provision re environmental effects	Next review June 2019	N/A
Overall assessment of environmental performance in respect of this consent		High
Overall assessment of administrative performance in respect of this consent		High

N/A = not applicable

Table 27 Summary of performance for TPJ Partnership's culvert installation consent 10209-1

Purpose: To install piping in unnamed tributaries of the Inaha Stream, including associated streambed disturbance and reclamation		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
1. Specifies area where pipe can be laid and piped reach filled	Inspections	Yes
2. Specifies minimum pipe diameter	Inspections - no new work undertaken	N/A
3. Recontour to define secondary flow path	Inspections - no new work undertaken	N/A
4. Specifies dimensions of secondary flow path	Inspections - no new work undertaken	N/A
5. Specifies installation methods	Inspections - no new work undertaken	N/A
6. Maintain pipe and secondary flow path to prevent blocking	Inspections - no new work undertaken	N/A
7. Notify Council at least two days prior to work commencing	Review of Council records and inspections	N/A
8. Fencing and riparian planting schedule	Inspections and comparison with riparian plan no 90477	No. Only 63 % of required work completed
9. One-off payment to enhance wetland and stream habitat	Review of Council records. No new works undertaken	N/A

Purpose: To install piping in unnamed tributaries of the Inaha Stream, including associated streambed disturbance and reclamation		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
10. Take all practicable steps to minimise increased sedimentation and turbidity during installation	Inspections - no new work undertaken	N/A
11. No burying of vegetation within 20 metres of pipes	Inspections	Yes
12. Stabilise earthworks areas as soon as practicable following completion of soil disturbance	Inspections - no new work undertaken	N/A
13. Stop work upon discovery of archaeological remains	Inspections - no new work undertaken	N/A
14. Optional review provision re environmental effects	Next review option June 2023	N/A
Overall assessment of environmental performance in respect of this consent		High
Overall assessment of administrative performance in respect of this consent		Improvement required

N/A = not applicable

During the period under review, TPJ demonstrated a high level of environmental performance with their resource consents. An improvement was required in TPJ's level of administrative performance as defined in Section 1.1.5. The riparian planting required by the culverting consent (that also retrospectively covers approximately 675 m of culverting installed without a consent) had fallen behind schedule during the year under review.

14.3.4 Recommendations from the 2016-2017 Annual Report

1. THAT in the first instance, monitoring of discharges from TPJ's cleanfill in the 2017-2018 year include four site inspections and water sampling on two occasions, and that the programme also provide for additional monitoring if required, by way of additional provisional inspections and sampling.
2. THAT should there be issues with environmental or administrative performance in 2017-2018, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

The programme was revised at the start of the 2017-2018 based on the environmental performance at the site. The number of inspections was reduced to three per year, and only one set of surface water sampling was programmed. The provision for additional monitoring was retained.

14.3.5 Alterations to the monitoring programme for 2018-2019

In designing and implementing the monitoring programmes for air/water discharges in the region, the Council has taken into account:

- the extent of information already made available through monitoring or other means to date;
- its relevance under the RMA;
- the Council's obligations to monitor consented activities and their effects under the RMA;

- the record of administrative and environmental performances of the consent holder; and
- 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 exercising resource consents.

It is proposed that for 2018-2019, the programme remains unchanged.

It should be noted that the proposed programme represents a reasonable and risk-based level of monitoring for the site in question. The Council reserves the right to subsequently adjust the programme from that initially prepared, should the need arise if potential or actual non-compliance is determined at any time during 2018-2019.

14.3.6 Exercise of optional review of consent

Resource consent 10202-1 provides for an optional review of the consent in June 2019. Condition 14 allows the Council to review the consent, for the purpose of ensuring that the conditions of the consent are adequate to deal with any adverse effects on the environment that may arising from the exercise of the consent.

Based on the results of monitoring in the year under review, and in previous years as set out in earlier annual compliance monitoring reports, it is considered that there are no grounds that require a review to be pursued.

14.4 Recommendations

1. THAT in the first instance, monitoring of discharges from TPJ Partnership's cleanfill in the 2018-2019 year include three site inspections and water sampling on one occasion, and that the programme also provide for additional monitoring if required, by way of additional provisional inspections and sampling.
2. THAT should there be issues with environmental or administrative performance in 2018-2019, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.
3. THAT the option for a review of resource consent 10202-1 in June 2019, as set out in condition 14 of the consent, not be exercised, on the grounds that the conditions on the consent are adequate to deal with any actual or potential effects arising from the activity.

15 Taranaki Trucking Company Ltd – Cardiff Road, Stratford

15.1 Site description and activities

Taranaki Trucking Company Ltd (Taranaki Trucking) held two consents for this site, both of which expired on 1 June 2017. Resource consent 5561-1 provided for the discharge cleanfill onto land in the vicinity of an unnamed tributary of the Waingongoro River, and 6280-1 to erect, place and maintain a culvert in the headwaters of an unnamed tributary of the Waingongoro River to prevent cleanfill contamination of the stream.

An application to renew consent 5561 was lodged more than six months prior to expiry of the existing consent, and therefore under Section 124 of the RMA, the activity may continue under the conditions of the expired consent until a decision is made on the renewal.

The site is bounded by Cardiff Road to the east, the Waingongoro River to the west, and an old dairy factory to the north. The area being filled is a steep narrow gully approximately 35 metres wide. The capacity of the site is limited, and this is one of the smaller cleanfills described in this report. Culverting was not installed prior to the expiry of consent 6280-1, which reached the expiry date of 1 June 2017 without being given effect to. It is noted that there is limited space to continue filling at the site before further culverting will be required in the unnamed tributary. A new consent will be required to undertake this work.

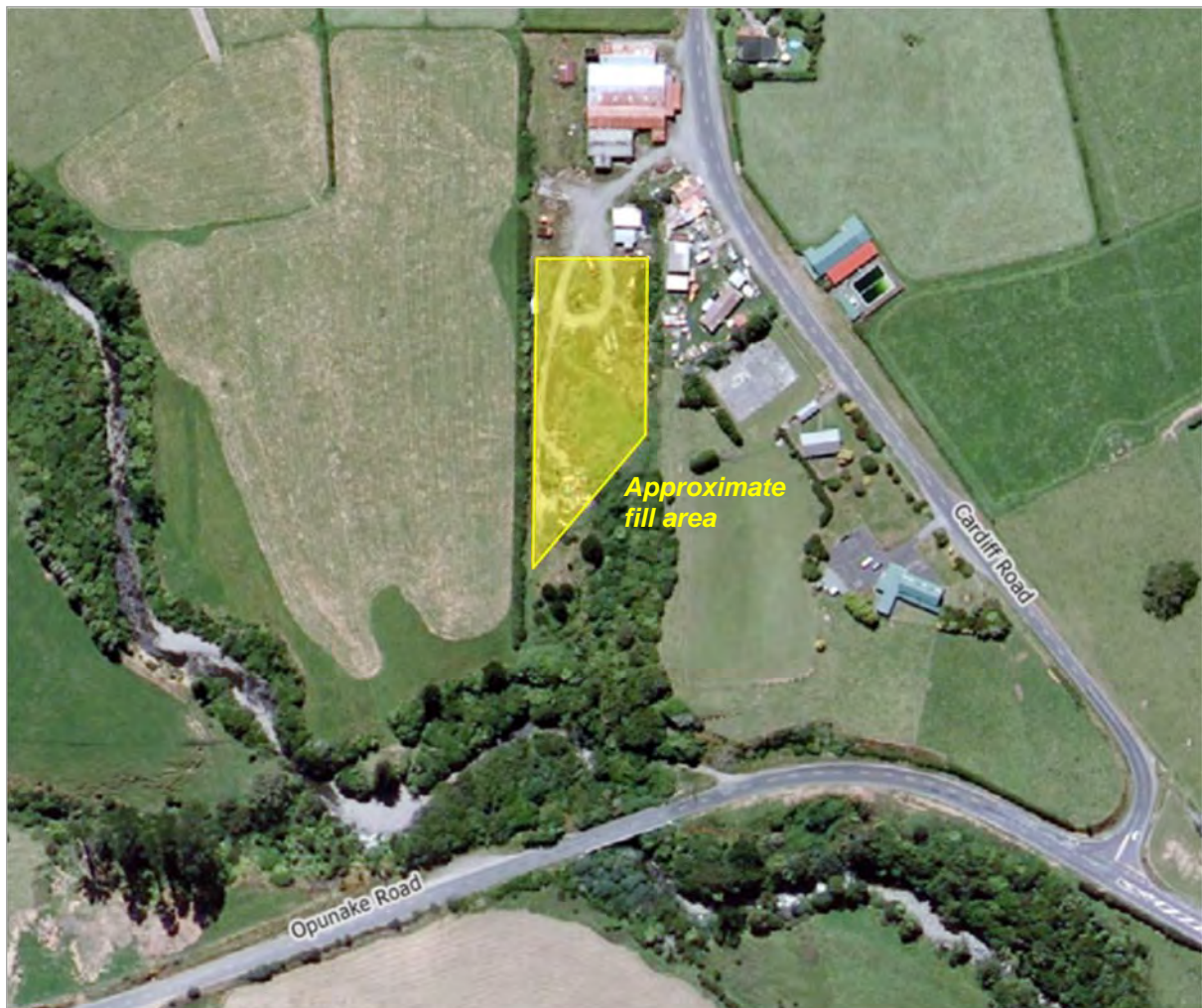


Figure 16 Taranaki Trucking Company Ltd's cleanfill and sampling sites at Cardiff Road, Stratford

15.2 Results

15.2.1 Inspections

Taranaki Trucking's cleanfill at Cardiff Road was inspected on two occasions during the period under review.

6 September 2017

At the time of inspection old loads of soil and other acceptable material had been placed at the front of the site. The rear of the site had been levelled with no unacceptable material visible at the time of inspection.

12 February 2018

At the time of inspection loads of soil had been deposited at the site and work had been carried out pushing material over the fill face. The material on site was compliant with minor amounts of untreated timber and some hard plastics present. The site looked to have been cleaned up and appeared tidy at the time of inspection. Samples were collected during the inspection.

15.2.2 Results of receiving environment monitoring

A water quality sample was collected on 12 February 2018 at site WGG000154, which is below the toe of the cleanfill. The results are shown in the table below.

Table 28 Chemical analysis of a tributary of the Waingongoro River below Taranaki Trucking Company Ltd's cleanfill, Cardiff Road, Stratford, 12 February 2018

Parameter	Units	WGG000154 (10 m d/s of cleanfill)
Conductivity @ 20 °C	mS/m	11.1
Unionised ammonia	g/m ³	0.0074
Ammoniacal nitrogen	g/m ³ -N	0.214
pH	pH	6.9
Temperature	°C	18.7

The results from the analyses indicate that the cleanfill's presence is having little, if any, effect on water quality in the Waingongoro Stream. The conductivity is comparable with Taranaki surface water levels at this altitude, and the level of unionised ammonia was well below the 0.025 g/m³ guideline for the protection of aquatic ecosystems.

15.2.3 Investigations, interventions, and incidents

In the 2017-2018 period, the Council was not required to undertake significant additional investigations and interventions, or record incidents, in association with Taranaki Trucking's conditions in resource consents or provisions in Regional Plans.

15.3 Discussion

15.3.1 Discussion of site performance

Inspections indicated that there was some work occurring at this cleanfill site during the year under review. The site was found to be well managed on both monitoring occasions during the year under review.

Although an application was received to renew the cleanfill consent, the associated piping consent 6280-1 had lapsed, due to the fact that the consent had not been given effect to within the required time period.

Only a limited amount of filling can occur without the installation of the necessary piping. An application form was provided to the consent holder on 12 April 2017, and the processing of the cleanfill consent was put on hold until the application for this related activity was also received. The consent holder has been advised that the cleanfill area cannot be extended until the piping has been re-consented and installed.

15.3.2 Environmental effects of exercise of consents

Ammoniacal nitrogen and conductivity levels in the water indicate good water quality downstream of the fill area, and there were no dust or odour issues noted during the year. On the basis of the information gathered in this, and previous monitoring periods, the presence of the cleanfill is not having a significant effect on the environment.

15.3.3 Evaluation of performance

A tabular summary of the Taranaki Trucking's compliance record for the year under review is set out in the tables below.

Table 29 Summary of performance for Taranaki Trucking Company Ltd's cleanfill consent 5561-1

Purpose: To discharge cleanfill onto land in the vicinity of an unnamed tributary of the Waingongoro River		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
1. Consent exercised in accordance with information supplied	Inspections	Yes
2. Only discharge cleanfill and/or inert materials	Inspections	Yes
3. No discharge of materials detailed in the consent	Inspections	Yes
4. If the acceptability of a substance is uncertain, obtain approval from the Council	No approval sought	N/A
5. Discharge to land shall not result in contamination of surface water	Sampling	Yes
6. Silt retention structures shall be installed if required	Inspections	Yes
7. Stormwater control drains shall be installed if required	Inspections	Yes
8. Adopt best practice	Inspections	Yes
9. Upon completion the discharge site shall be contoured	Site still in use	Yes
10. Review condition	No further option for review prior to expiry	N/A

Purpose: To discharge cleanfill onto land in the vicinity of an unnamed tributary of the Waingongoro River		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
Overall assessment of environmental performance in respect of this consent		High
Overall assessment of administrative performance in respect of this consent		High

N/A = not applicable

Table 30 Summary of performance for Taranaki Trucking Company Ltd's culvert consent 6280-1

Purpose: To erect, place and maintain a culvert in the headwaters of an unnamed tributary of the Waingongoro River to prevent cleanfill contamination of the stream		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
1. The consent shall be exercised in accordance with information supplied	Culvert not yet installed	N/A
2. The consent holder shall adopt the best practicable option	Culvert not yet installed	N/A
3. Lapse of consent	Consent Lapsed	N/A
4. Notification of the commencement and completion of the project, and of any maintenance which may disturb the stream bed	Culvert not yet installed	N/A
5. Ensure the culvert is free of debris	Culvert not yet installed	N/A
6. Remove the structures and reinstate the area when the structures are no longer needed	Culvert not yet installed	N/A
7. Installation of the culvert shall cause minimum disturbance to the riverbed	Culvert not yet installed	N/A
8. Specifies the minimum diameter of the culvert	Culvert not yet installed	N/A
9. Optional review provision re environmental effects	No further option for review prior to expiry	N/A
Overall assessment of environmental performance in respect of this consent		N/A
Overall assessment of administrative performance in respect of this consent		N/A

N/A = not applicable

During the year, Taranaki Trucking demonstrated a high level of environmental performance and a high level of administrative performance with their resource consents as defined in Section 1.1.5. It is noted that no further filling can now occur at the site until the required piping has been re-consented and installed.

15.3.4 Recommendations from the 2016-2017 Annual Report

1. THAT in the first instance, monitoring of discharges from Taranaki Trucking's cleanfill in the 2017-2018 year continues at the same level as in the 2016-2017 period.
2. THAT should there be issues with environmental or administrative performance in 2017-2018, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

These recommendations were implemented.

15.3.5 Alterations to the monitoring programme for 2018-2019

In designing and implementing the monitoring programmes for air/water discharges in the region, the Council has taken into account:

- the extent of information already made available through monitoring or other means to date;
- its relevance under the RMA;
- the Council's obligations to monitor consented activities and their effects under the RMA;
- the record of administrative and environmental performances of the consent holder; and
- 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 exercising resource consents.

It is proposed that for 2018-2019, the programme remains unchanged.

It should be noted that the proposed programme represents a reasonable and risk-based level of monitoring for the site in question. The Council reserves the right to subsequently adjust the programme from that initially prepared, should the need arise if potential or actual non-compliance is determined at any time during 2018-2019.

15.4 Recommendations

1. THAT in the first instance, monitoring of discharges from Taranaki Trucking's cleanfill in the 2018-2019 year continues at the same level as in the 2017-2018 period.
2. THAT should there be issues with environmental or administrative performance in 2018-2019, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

16 Summary of Recommendations

The following is a summary of the recommendations made for each cleanfill as presented in the individual sections of this report.

1. THAT in the first instance, monitoring of discharges from AA Contracting's cleanfill in the 2018-2019 period continues at the same level as in 2017-2018.
2. THAT in the first instance, monitoring of discharges from the George Family's cleanfill in the 2018-2019 period monitoring continues at the same level as in 2017-2018.
3. THAT in the first instance, monitoring of discharges from Riddick's cleanfill in the 2018-2019 year continues at the same level as in 2017-2018.
4. THAT in the first instance, monitoring of discharges from Bishop's cleanfill on Ahu Ahu Road in the 2018-2019 year continues at the same level as in 2017-2018.
5. THAT the option for a review of resource consent 5877-2 in June 2019, as set out in condition 11 of the consent, not be exercised, on the grounds that the conditions on the consent are adequate to deal with any actual or potential effects arising from the activity.
6. THAT in the first instance, monitoring of Dennis Wheeler Earthmoving's cleanfill in the 2018-2019 year continues at the same level as in 2017-2018.
7. THAT in the first instance, monitoring of discharges from Downer's Dorset Road cleanfill in 2018-2019 year continues at the same level as in 2017-2018.
8. THAT in the first instance, monitoring of discharges from Downer's Veale Road cleanfill in the 2018-2019 year continues at the same level as in 2017-2018.
9. THAT in the first instance, monitoring of discharges from Downer's South Road cleanfill in the 2018-2019 year continues at the same level as in 2017-2018.
10. THAT in the first instance, monitoring of discharges from Gas and Plumbing's cleanfill in the 2018-2019 year continues at the same level as in 2017-2018.
11. THAT in the first instance, monitoring of discharges from Graham Harris's cleanfill in the 2018-2019 year continues at the same level as programmed for 2017-2018.
12. THAT in the first instance, the monitoring of discharges from Bailey's cleanfill in the 2018-2019 year remains unchanged from that of 2017-2018.
13. THAT in the first instance, monitoring of discharges from the Rocky Bay cleanfill in the 2018-2019 year continues at the same level as in the 2017-2018 period.
14. THAT in the first instance, monitoring of discharges from TPJ's cleanfill in the 2018-2019 year include four site inspections and water sampling on two occasions, and that the programme also provide for additional monitoring if required, by way of additional provisional inspections and sampling.
15. THAT the option for a review of resource consent 10202-1 in June 2019, as set out in condition 14 of the consent, not be exercised, on the grounds that the conditions on the consent are adequate to deal with any actual or potential effects arising from the activity.
16. THAT in the first instance, monitoring of discharges from Taranaki Trucking's cleanfill in the 2018-2019 year continues at the same level as in the 2017-2018 period.
17. Applicable to all cleanfills: THAT should there be issues with environmental or administrative performance in 2018-2019, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

Glossary of common terms and abbreviations

The following abbreviations and terms may be used within this report:

Conductivity	Conductivity, an indication of the level of dissolved salts in a sample, usually measured at 20°C and expressed in mS/m.
DO	Dissolved oxygen.
g/m ³	Grams per cubic metre, and equivalent to milligrams per litre (mg/L). In water, this is also equivalent to parts per million (ppm), but the same does not apply to gaseous mixtures.
Incident	An event that is alleged or is found to have occurred that may have actual or potential environmental consequences or may involve non-compliance with a consent or rule in a regional plan. Registration of an incident by the Council does not automatically mean such an outcome had actually occurred.
Intervention	Action/s taken by Council to instruct or direct actions be taken to avoid or reduce the likelihood of an incident occurring.
Investigation	Action taken by Council to establish what were the circumstances/events surrounding an incident including any allegations of an incident.
L/s	Litres per second.
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 ₄	Ammonium, normally expressed in terms of the mass of nitrogen (N).
NH ₃	Unionised ammonia, normally expressed in terms of the mass of nitrogen (N).
NTU	Nephelometric Turbidity Unit, a measure of the turbidity of water.
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.
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	<i>Resource Management Act 1991</i> and including all subsequent amendments.
Temp	Temperature, measured in °C (degrees Celsius).
Turb	Turbidity, expressed in NTU.

*an abbreviation for a metal or other analyte may be followed by the letters '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 a Scientific Services Manager.

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Appendix I

Resource consents held by cleanfill owners and operators (alphabetical order)

(For a copy of the signed resource consent
please contact the TRC Consents department)

Consent Holder	Resource consent	Purpose	As per 16/17?
AA Contracting Ltd	5179-2	To install piping, associated with cleanfill discharge activities, in the Mangaone Stream, including associated streambed disturbance and reclamation	Both the same
	5180-2	To discharge cleanfill onto and into land	
A & A George Family Trust	9680-1	To discharge cleanfill onto and into land	Same
AE Riddick [Formerly held by EE Riddick]	3977-4	To discharge cleanfill onto and into land	Same
BJ & LB Bishop	5888-1	To erect, place and maintain a culvert in the headwaters of an unnamed tributary of the Waimoku Stream for cleanfilling activities	Both the same
	5877-2	To discharge cleanfill onto and into land	
Dennis Wheeler Earthmoving Ltd	10234-1	To discharge cleanfill onto and into land	Same
Downer EDI Works Ltd	9532-1	To discharge cleanfill onto and into land, where contaminants may enter an unnamed tributary of the Manganaha Stream, including associated stream bed reclamation	Same
Downer EDI Works Ltd	5213-2	To discharge cleanfill onto and into land	Same
Downer EDI Works Ltd	6964-1	To discharge cleanfill onto and into land	Same
Gas & Plumbing Ltd	7165-1	To discharge cleanfill onto and into land in the vicinity of an unnamed tributary of the Mangaone Stream	Same
Graham Harris (2000) Ltd (New Plymouth)	6771-1	To discharge cleanfill onto and into land	Same
JW & CT Bailey Ltd	5824-2	To culvert an unnamed tributary of the Te Henui Stream for land improvement purposes associated with cleanfill activity	Both the same
	4999-3	To discharge up to 130 m ³ /day [1.5 L/s] of leachate from a former cleanfill into an unnamed tributary of the Te Henui Stream	
Rocky Bay Holdings Ltd	10471-1	To discharge cleanfill onto land.	NEW
Taranaki Trucking Company Ltd	6280-1	To erect, place and maintain a culvert in the headwaters of an unnamed tributary of the Waingongoro River to prevent cleanfill contamination of the stream	Both the same
	5561-1	To discharge cleanfill onto land in the vicinity of an unnamed tributary of the Waingongoro River	
TPJ Partnership	10202-1	To discharge cleanfill and inert materials onto and into land, where contaminants may enter into an unnamed tributary of the Inaha Stream	Both the same
	10209-1	To install piping in unnamed tributaries of the Inaha Stream, including associated streambed disturbance and reclamation	

Land Use Consent
Pursuant to the Resource Management Act 1991
a resource consent is hereby granted by the
Taranaki Regional Council

Name of
Consent Holder: AA Contracting Limited
68 Henwood Road
R D 2
NEW PLYMOUTH 4372

Decision Date: 31 October 2014

Commencement Date: 31 October 2014

Conditions of Consent

Consent Granted: To install piping, associated with cleanfill discharge activities, in the Mangaone Stream, including associated streambed disturbance and reclamation

Expiry Date: 01 June 2032

Review Date(s): June 2020, June 2026

Site Location: 68 Henwood Road, New Plymouth

Legal Description: Lot 2 DP 315619 Oropuriri 1B & Hoewaka 2D (Pt DP 2240)
Hua Dist Blk II Paritutu SD (Discharge site)

Grid Reference (NZTM) Between 1698511E-5677816N and 1698422E-5677736N

Catchment: Waiwhakaiho

Tributary: Mangaone

*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. This consent authorises the laying of a 450 mm diameter concrete piping and subsequently filling the piped reach between grid references (NZTM) 1698511E-5677816N and 1698422E-5677736N.
2. The fill above the piping shall not be higher than RL 23.0 m and shall slope away from the rail line towards the open stream channel downstream of proposed piping works.
3. Pipes shall be laid such that the invert of the pipe is 90 mm below the streambed level at the inlet.
4. The area of works shall be recontoured to ensure that when the capacity of the pipes is exceeded, all excess water flows to a clearly defined secondary flow path on firm natural ground adjacent to the reclaimed stream and then back into the Mangaone Stream at the downstream limit of piping.
5. The defined secondary flow path described in condition 4 above shall have a minimum bottom width of 10 metres, 1 metre channel depth with side slopes no steeper than 1 vertical to 3 horizontal.
6. The piping and surface inlets shall be maintained to ensure they do not become blocked, and at all times, allow the free flow of water through them.
7. The consent holder shall ensure that the secondary flow path provided by the swale is not blocked.
8. To provide for fish passage, the consent holder shall install and monitor three separate lengths of spat rope within the full length of the 450 mm diameter pipe. The spat rope shall be anchored at the upstream end and extend along the bed of the stream for at least 2 metres immediately downstream of the pipe.
9. The consent holder shall notify the Chief Executive, Taranaki Regional Council, in writing at least 2 working days prior to commencement of the works. Notification shall include the consent number and a brief description of the activity consented and be emailed to worknotification@trc.govt.nz.
10. Within three months of this consent being issued, the consent holder shall make contact with the Taranaki Regional Council and request that it prepare a riparian management plan for the property. The Riparian Management Plan shall include the establishment and maintenance of fencing and planting along the margins of the remaining stream on the application site.
11. The fencing and riparian planting required under condition 10 above shall be completed by 1 June 2016.

12. To remedy and mitigate the adverse environmental effects of this consent, the consent holder shall make a single payment of \$4,800 (\$40 per metre) (plus GST) to the Taranaki Regional Council as a financial contribution for the purpose of enhancing the habitats in wetlands small streams. The payment shall be made within three months of commencement of the work.
13. The consent holder shall take all reasonable steps to:
 - a) minimise the amount of sediment discharged to the stream;
 - b) minimise the amount of sediment that becomes suspended in the stream; and
 - c) mitigate the effects of any sediment in the stream.

Undertaking works in accordance with *Guidelines for Earthworks in the Taranaki region*, by the Taranaki Regional Council, will achieve compliance with this condition.

14. No vegetation shall be buried within 20 metres of the piped stream.
15. In the event that any archaeological remains are discovered as a result of works authorised by this consent, the works shall cease immediately at the affected site and tangata whenua and the Chief Executive, Taranaki Regional Council, shall be notified within one working day. Works may recommence at the affected area when advised to do so by the Chief Executive, Taranaki Regional Council. Such advice shall be given after the Chief Executive has considered: tangata whenua interest and values, the consent holder's interests, the interests of the public generally, and any archaeological or scientific evidence. The New Zealand Police, Coroner, and Historic Places Trust shall also be contacted as appropriate, and the works shall not recommence in the affected area until any necessary statutory authorisations or consents have been obtained.
16. All earthwork areas shall be stabilised as soon as is practicable immediately following completion of soil disturbance activities.
17. 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 2020 and/or June 2026, 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 31 October 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

Name of
Consent Holder: AA Contracting Limited
68 Henwood Road
R D 2
NEW PLYMOUTH 4372

Decision Date: 31 October 2014

Commencement Date: 31 October 2014

Conditions of Consent

Consent Granted: To discharge cleanfill onto and into land

Expiry Date: 01 June 2032

Review Date(s): June 2020, June 2026

Site Location: 68 Henwood Road, New Plymouth

Legal Description: Lot 2 DP 315619 & Oropuriri 1B & Hoewaka 2D (Pt DP 2240) Hua Dist Blk II Paritutu SD (Discharge site)

Grid Reference (NZTM) 1698511E-5677750N

Catchment: Waiwhakaiho

Tributary: Mangaone

*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 discharge of cleanfill shall only occur in the area shaded on the plan attached (appendix 1).
2. The contaminants to be discharged shall be limited to cleanfill and/or inert materials. For the purposes of this condition, “clean fill and inert materials” are defined as materials consisting of any concrete, cement or cement wastes, bricks, mortar, tiles (clay, ceramic or concrete), non-tanalised timber, porcelain, glass, gravels, boulders, shingles, fibreglass, plastics, sand, soils and clays, and/or tree stumps and roots, whether singly or in combination or mixture, or any other material (subject to condition 3) that when placed onto and into land will not render that land or any vegetation grown on that land toxic to vegetation or animals consuming vegetation.
3. The discharge of the following contaminants shall not occur: food wastes, paper and cardboard, grass clippings, garden wastes including but not limited to wastes containing foliage or other vegetation (other than tree stumps and roots as permitted under condition 2), textiles, steel, galvanised metals, construction materials containing paint or fillers or sealers or their containers, oils or greases or any liquids or sludges or their containers, any industrial process by-products other than as permitted under condition 2, any poisons or solvents or their containers, batteries, general domestic refuse not otherwise described, or any wastes with the potential to render land or any vegetation grown on the land toxic to vegetation or to animals consuming such vegetation.
4. If the consent holder is uncertain as to the acceptability or not of a certain material the consent holder shall obtain written approval from the Consents Manager, Taranaki Regional Council, prior to its discharge.
5. The discharge to land shall not result in any contaminant directly entering surface water or groundwater.
6. Silt retention structures shall be installed and maintained at the toe of the cleanfill discharge area to minimise silt and sediment discharge. Installing silt retention structures in accordance with Guidelines for Earthworks in the Taranaki region, by the Taranaki Regional Council, will achieve compliance with this condition.
7. The consent holder shall install and maintain stormwater diversion drains to minimise stormwater entering the cleanfill discharge area.
8. The consent holder shall at all times adopt the best practicable option or options (as defined in section 2 of the Resource Management Act 1991) to prevent or minimise any actual or potential effect on the environment arising from any discharge at the site.

Consent 5180-2.1

9. Upon completion of the cleanfill discharge authorised by this consent, the discharge site shall be stabilised and re-vegetated to minimise erosion and stormwater infiltration into the filled area.
10. This consent shall lapse on 31 December 2019, 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.
11. 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 2020 and/or June 2026, 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 31 October 2014

For and on behalf of
Taranaki Regional Council

A D McLay
Director - Resource Management

Appendix 1

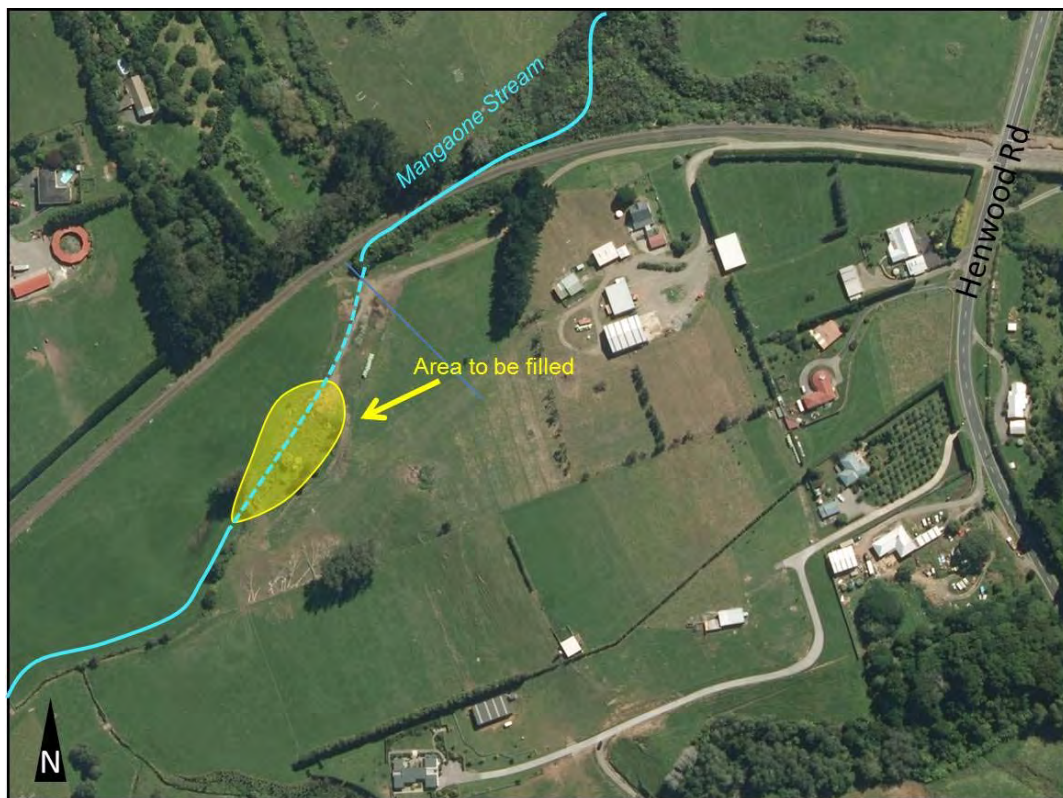


Figure 2 Area where the discharge of cleanfill is permitted.

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

Name of
Consent Holder: A & A George Family Trust
(Trustees: Aaron Robert & Allana Jane George)
46 Kelly Street
INGLEWOOD 4330

Decision Date: 13 September 2013

Commencement Date: 13 September 2013

Conditions of Consent

Consent Granted: To discharge cleanfill onto and into land

Expiry Date: 1 June 2027

Review Date(s): June 2015, June 2021

Site Location: Lower Dudley Road, Inglewood

Legal Description: Lot 2 DP 439845 (Discharge site)

Grid Reference (NZTM) 1704659E-5664445N

Catchment: Waitara

Tributary: Manganui
Kurapete

*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 discharge of cleanfill shall only occur in the area shaded on the plan attached.
2. The contaminants to be discharged shall be limited to cleanfill and/or inert materials. For the purposes of this condition, “clean fill and inert materials” are defined as materials consisting of any concrete, cement or cement wastes, bricks, mortar, tiles (clay, ceramic or concrete), non-tanalised timber, porcelain, glass, gravels, boulders, shingles, fibreglass, plastics, sand, soils and clays, and/or tree stumps and roots, whether singly or in combination or mixture, or any other material (subject to condition 3) that when placed onto and into land will not render that land or any vegetation grown on that land toxic to vegetation or animals consuming vegetation.
3. The discharge of the following contaminants shall not occur: food wastes, paper and cardboard, grass clippings, garden wastes including but not limited to wastes containing foliage or other vegetation (other than tree stumps and roots as permitted under condition 2), textiles, steel, galvanised metals, construction materials containing paint or fillers or sealers or their containers, oils or greases or any liquids or sludges or their containers, any industrial process by-products other than as permitted under condition 2, any poisons or solvents or their containers, batteries, general domestic refuse not otherwise described, or any wastes with the potential to render land or any vegetation grown on the land toxic to vegetation or to animals consuming such vegetation.
4. If the consent holder is uncertain as to the acceptability or not of a certain material the consent holder shall obtain written approval from the Consents Manager, Taranaki Regional Council, prior to its discharge.
5. The exercise of this consent shall not result in contaminants being directly discharged to water
6. Silt retention structures shall be installed and maintained at the toe of the cleanfill discharge area to minimise silt and sediment discharge. Installing silt retention structures in accordance with *Guidelines for Earthworks in the Taranaki region*, by the Taranaki Regional Council, will achieve compliance with this condition.
7. The consent holder shall install and maintain stormwater diversion drains to minimise stormwater entering the cleanfill discharge area.
8. The consent holder shall at all times adopt the best practicable option or options (as defined in section 2 of the Resource Management Act 1991) to prevent or minimise any actual or potential effect on the environment arising from any discharge at the site.
9. Upon completion of the cleanfill discharge authorised by this consent, the discharge site shall be stabilised and re-vegetated in manner that ensures the area drains freely and that stormwater infiltration into the filled area is minimised.

Consent 9680-1

10. This consent shall lapse on 30 September 2018, 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.
11. 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 2015 and/or June 2021, 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 13 September 2013

For and on behalf of
Taranaki Regional Council

Director-Resource Management

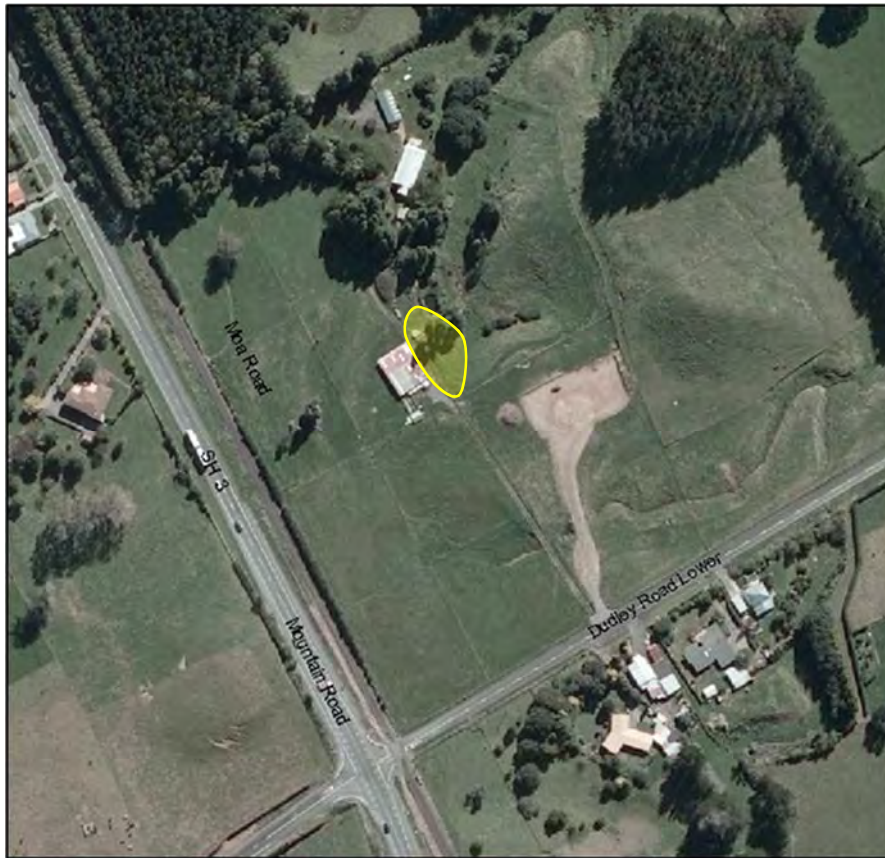


Figure 1 Plan showing area permitted to be filled

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

Name of
Consent Holder: Mr Allan Edward Riddick
PO Box 830
Taranaki Mail Centre
New Plymouth 4340

Decision Date: 15 December 2014

Commencement Date: 15 December 2014

Conditions of Consent

Consent Granted: To discharge cleanfill onto and into land

Expiry Date: 01 June 2032

Review Date(s): June 2020, June 2026

Site Location: 496 Carrington Road, New Plymouth

Legal Description: Lot 2 DP 15138 Blk IX Paritutu SD

Grid Reference (NZTM) 1693888E-5671831N

Catchment: Huatoki

*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 discharge of cleanfill shall only occur in the shaded area identified on the plan attached as Appendix 1.
2. The contaminants to be discharged shall be limited to cleanfill and/or inert materials. For the purposes of this condition, “clean fill and inert materials” are defined as materials consisting of any concrete, cement or cement wastes, bricks, mortar, tiles (clay, ceramic or concrete), cured asphalt, non-tanalised timber, porcelain, glass, gravels, boulders, shingles, fibreglass, plastics, sand, soils and clays, and/or tree stumps and roots, whether singly or in combination or mixture, or any other material (subject to condition 3) that when placed onto and into land will not render that land or any vegetation grown on that land toxic to vegetation or animals consuming vegetation.
3. The discharge of the following contaminants shall not occur: food wastes, paper and cardboard, grass clippings, garden wastes including but not limited to wastes containing foliage or other vegetation (other than tree stumps and roots as permitted under condition 2), textiles, steel, galvanised metals, construction materials containing paint or fillers or sealers or their containers, oils or greases or any liquids or sludges or their containers, any industrial process by-products other than as permitted under condition 2, any poisons or solvents or their containers, batteries, general domestic refuse not otherwise described, or any wastes with the potential to render land or any vegetation grown on the land toxic to vegetation or to animals consuming such vegetation.
4. If the consent holder is uncertain as to the acceptability or not of a certain material the consent holder shall obtain written approval from the Consents Manager, Taranaki Regional Council, prior to its discharge.
5. The discharge to land shall not result in any solid contaminant entering surface water or groundwater.
6. Silt retention structures shall be installed and maintained at the toe of the cleanfill discharge area to minimise silt and sediment discharge. Installing silt retention structures in accordance with Guidelines for Earthworks in the Taranaki region, by the Taranaki Regional Council, will achieve compliance with this condition.
7. The consent holder shall install and maintain stormwater diversion drains to minimise stormwater entering the cleanfill discharge area to the satisfaction of the Chief Executive, Taranaki Regional Council.
8. The consent holder shall at all times adopt the best practicable option or options (as defined in section 2 of the Resource Management Act 1991) to prevent or minimise any actual or potential effect on the environment arising from any discharge at the site.

Consent 3977-4.0

9. Upon completion of the cleanfill discharge authorised by this consent, the discharge site shall be stabilised and re-vegetated to the satisfaction of the Chief Executive, Taranaki Regional Council.
10. This consent shall lapse on 31 December 2019, 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.
11. 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 2020 and/or June 2026, 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 15 December 2014

For and on behalf of
Taranaki Regional Council

A D McLay
Director - Resource Management

Appendix 1
Area where the discharge of cleanfill is permitted



Land Use Consent
Pursuant to the Resource Management Act 1991
a resource consent is hereby granted by the
Taranaki Regional Council

Name of
Consent Holder: BJ & LB Bishop
132 Ahuahu Road
R D 4
NEW PLYMOUTH

Consent Granted
Date: 10 October 2001

Conditions of Consent

Consent Granted: To erect, place and maintain a culvert in the headwaters of an unnamed tributary of the Waimoku Stream for clean-filling activities at or about GR: P19:906-291

Expiry Date: 1 June 2019

Review Date(s): June 2007, June 2013

Site Location: 132 Ahuahu Road, Oakura

Legal Description: Secs 10 & 21 DP 596 Oakura Dist Lot 2 DP 9454 Blk I
Wairau SD

Catchment: Waimoku

General conditions

- a) That on receipt of a requirement from the Chief Executive, Taranaki Regional Council (hereinafter the Chief Executive), the consent holder shall, within the time specified in the requirement, supply the information required relating to the exercise of this consent.
- b) That 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) That 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 consent holder shall notify the Taranaki Regional Council in writing at least 48 hours prior to and upon completion of any subsequent maintenance works which would involve disturbance of or deposition to the riverbed or discharges to water.
- 2. The construction of the structure[s] authorised by this consent shall be undertaken generally in accordance with the documentation submitted in support of the application and shall be maintained to ensure the conditions of this consent are met.
- 3. The consent holder shall adopt the best practicable option [as defined in section 2 of the Resource Management Act 1991] to avoid or minimise the discharge of silt or other contaminants into water or onto the streambed and to avoid or minimise the disturbance of the streambed and any adverse effects on water quality.
- 4. The consent holder shall ensure that the structure[s] authorised by this consent is free of debris, sediment and obstacles that may impede flow, at all times, as far as is practicable.
- 5. The structure[s] authorised by this consent shall be removed and the area reinstated, if and when the structure[s] are no longer required. The consent holder shall notify the Taranaki Regional Council at least 48 hours prior to structure[s] removal and reinstatement.
- 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 2007, and/or June 2013, 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 October 2001

For and on behalf of
Taranaki Regional Council

Chief Executive

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

Name of
Consent Holder: Barry John & Lynette Betty Bishop
132 Ahuahu Road
R D 4
NEW PLYMOUTH

Decision Date: 4 April 2013

Commencement Date: 4 April 2013

Conditions of Consent

Consent Granted: To discharge cleanfill onto and into land

Expiry Date: 1 June 2031

Review Date(s): June 2019, June 2025

Site Location: 132 Ahuahu Road, Oakura

Legal Description: Lot 3 DP 452194 (Discharge source & site)

Grid Reference (NZTM) 1680523E-5667339N

Catchment: Waimoku

*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 [the Council] all the administration, monitoring and supervision costs of this consent, fixed in accordance with section 36 of the Resource Management Act.

Special conditions

1. The discharge of cleanfill shall only occur in the area shaded on the plan attached (appendix 1).
2. The contaminants to be discharged shall be limited to cleanfill and/or inert materials. For the purposes of this condition, “clean fill and inert materials” are defined as materials consisting of any concrete, cement or cement wastes, bricks, mortar, tiles (clay, ceramic or concrete), non-tanalised timber, porcelain, glass, gravels, boulders, shingles, fibreglass, plastics, sand, soils and clays, and/or tree stumps and roots, whether singly or in combination or mixture, or any other material (subject to condition 3) that when placed onto and into land will not render that land or any vegetation grown on that land toxic to vegetation or animals consuming vegetation.
3. The discharge of the following contaminants shall not occur: food wastes, paper and cardboard, grass clippings, garden wastes including but not limited to wastes containing foliage or other vegetation (other than tree stumps and roots as permitted under condition 2), textiles, steel, galvanised metals, construction materials containing paint or fillers or sealers or their containers, oils or greases or any liquids or sludges or their containers, any industrial process by-products other than as permitted under condition 2, any poisons or solvents or their containers, batteries, general domestic refuse not otherwise described, or any wastes with the potential to render land or any vegetation grown on the land toxic to vegetation or to animals consuming such vegetation.
4. If the consent holder is uncertain as to the acceptability or not of a certain material the consent holder shall obtain written approval from the Consents Manager, Taranaki Regional Council, prior to its discharge.
5. The discharge to land shall not result in any contaminant entering surface water or groundwater.
6. Silt retention structures shall be installed and maintained at the toe of the cleanfill discharge area to minimise silt and sediment discharge. Installing silt retention structures in accordance with Guidelines for Earthworks in the Taranaki region, by the Taranaki Regional Council, will achieve compliance with this condition.
7. The consent holder shall install and maintain stormwater diversion drains to minimise stormwater entering the cleanfill discharge area to the satisfaction of the Chief Executive, Taranaki Regional Council.
8. The consent holder shall at all times adopt the best practicable option or options (as defined in section 2 of the Resource Management Act 1991) to prevent or minimise any actual or potential effect on the environment arising from any discharge at the site.

Consent 5877-2

9. Upon completion of the cleanfill discharge authorised by this consent, the discharge site shall be stabilised and re-vegetated to the satisfaction of the Chief Executive, Taranaki Regional Council.
10. This consent shall lapse on 30 June 2018, 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.
11. 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 2019 and/or June 2025, 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 4 April 2013

For and on behalf of
Taranaki Regional Council

Chief Executive

Appendix 1



Figure 1 Area where the discharge of cleanfill is permitted.

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

Name of
Consent Holder: Denis Wheeler Earthmoving Limited
PO Box 9013
New Plymouth 4351

Decision Date: 8 March 2016

Commencement Date: 8 March 2016

Conditions of Consent

Consent Granted: To discharge cleanfill onto and into land

Expiry Date: 1 June 2032

Review Date(s): June 2020, June 2026

Site Location: Paraite Road, Bell Block

Grid Reference (NZTM) 1700566E-5676542N

Catchment: Mangati

*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 discharge of cleanfill shall only occur in the shaded area identified on the plan attached as Appendix 1.
2. The contaminants to be discharged shall be limited to cleanfill and/or inert materials. For the purposes of this condition, “clean fill and inert materials” are defined as materials consisting of any concrete, cement or cement wastes, bricks, mortar, tiles (clay, ceramic or concrete), cured asphalt, non-tanalised timber, porcelain, glass, gravels, boulders, shingles, fibreglass, plastics, sand, soils and clays, and/or tree stumps and roots, whether singly or in combination or mixture, or any other material (subject to condition 3) that when placed onto and into land will not render that land or any vegetation grown on that land toxic to vegetation or animals consuming vegetation.
3. The discharge of the following contaminants shall not occur: food wastes, paper and cardboard, grass clippings, garden wastes including but not limited to wastes containing foliage or other vegetation (other than tree stumps and roots as permitted under condition 2), textiles, steel, galvanised metals, construction materials containing paint or fillers or sealers or their containers, oils or greases or any liquids or sludges or their containers, any industrial process by-products other than as permitted under condition 2, any poisons or solvents or their containers, batteries, general domestic refuse not otherwise described, or any wastes with the potential to render land or any vegetation grown on the land toxic to vegetation or to animals consuming such vegetation.
4. If the consent holder is uncertain as to the acceptability or not of a certain material the consent holder shall obtain written approval from the Consents Manager, Taranaki Regional Council, prior to its discharge.
5. The discharge to land shall not result in any solid contaminant entering surface water or groundwater.
6. The consent holder shall keep a record of the material discharged at the site. This record shall be maintained and made available to the Chief Executive, Taranaki Regional Council on request. The record kept shall include as a minimum:
 - a description of material received;
 - the source of material, including the location details;
 - the total volume (or truck loads) of the material;
 - name, address and other contact details of the ‘Discharger’; and
 - the date and period of discharge.
7. Silt retention structures shall be installed and maintained at the toe of the cleanfill discharge area to minimise silt and sediment discharge. Installing silt retention structures in accordance with *Guidelines for Earthworks in the Taranaki region*, by the Taranaki Regional Council, will achieve compliance with this condition.

8. The consent holder shall install and maintain stormwater diversion drains to minimise stormwater entering the cleanfill discharge area to the satisfaction of the Chief Executive, Taranaki Regional Council.
9. The consent holder shall at all times adopt the best practicable option or options (as defined in section 2 of the Resource Management Act 1991) to prevent or minimise any actual or potential effect on the environment arising from any discharge at the site.
10. The consent holder shall ensure that exposed surfaces of the discharge area are progressively capped upon completion of each discharge activity and following the filing of the entire discharge area. The fill cap shall:
 - have a minimum layer of compacted clay, at least 300 mm thick and shall be covered with topsoil, no less than 100 mm thick;
 - be contoured to prevent ponding and promote runoff from the fill cap area; and
 - be stabilised and vegetated in a manner that withstands subsidence erosion or scouring.
11. This consent shall lapse on 31 March 2021, 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.
12. 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 2020 and/or June 2026, 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 8 March 2016

For and on behalf of
Taranaki Regional Council

A D McLay
Director - Resource Management

Advice Note (included at the request of DITAG)

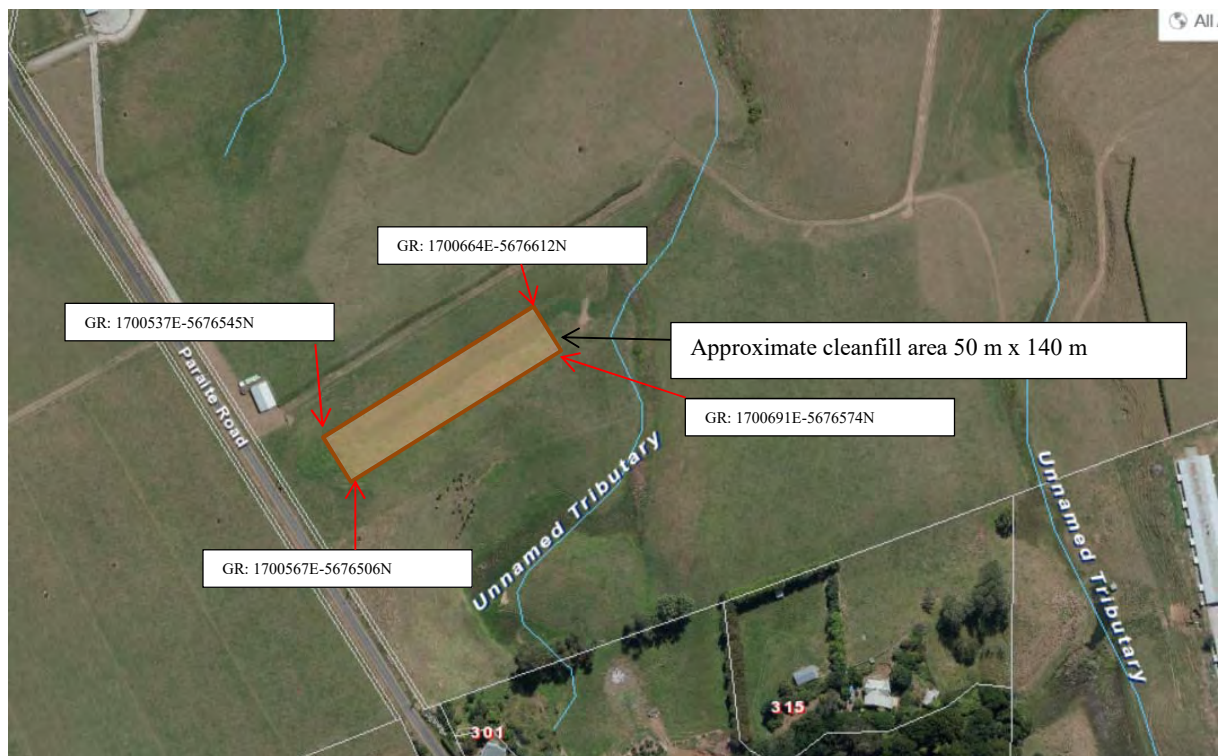
The consent holder's attention is drawn to MPI's "New Zealand Code of Practice for the Design and Operation of Farm Dairies (NZCP1) which restricts:

- *The discharge of specified wastes to land used for grazing of milking animals; and*
- *The use of feed from land which has had specified wastes applied to it.*

Should you require further information, please contact a Dairy Industry Technical Advisory Group (DITAG) representative or visit <http://www.foodsafety.govt.nz/elibrary/industry/dairy-nzcp1-design-code-of-practice/amdt-2.pdf> (specifically section 6.4 Disposal of effluent and other wastes and section 7.8 Purchased Stock Food) or contact an operation dairy processing company regarding conditions of supply.

Appendix 1

Area where the discharge of cleanfill is permitted



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

Name of
Consent Holder: Downer NZ Limited
PO Box 272
New Plymouth 4340

Decision Date: 6 May 2013

Commencement Date: 6 May 2013

Conditions of Consent

Consent Granted: To discharge cleanfill onto and into land, where
contaminants may enter water, including associated stream
bed reclamation

Expiry Date: 1 June 2032

Review Date(s): June 2020, June 2026

Site Location: 195A Dorset Road, New Plymouth

Legal Description: Lot 1 DP 415473 (Discharge site)

Grid Reference (NZTM) 1698416E-5674087N

Catchment: Waiwhakaiho

Tributary: Mangaone
Manganaha

*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. 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.
2. The discharge of cleanfill shall only occur in the area shaded on the plan attached.
3. The contaminants to be discharged shall be limited to cleanfill and/or inert materials. For the purposes of this condition, "clean fill and inert materials" are defined as materials consisting of any concrete, cement or cement wastes, bricks, mortar, tiles (clay, ceramic or concrete), non-tanalised timber, porcelain, glass, gravels, boulders, shingles, fibreglass, plastics, sand, soils and clays, and/or tree stumps and roots, whether singly or in combination or mixture, or any other material (subject to condition 2) that when placed onto and into land will not render that land or any vegetation grown on that land toxic to vegetation or animals consuming vegetation.
4. The discharge of the following contaminants shall not occur: food wastes, paper and cardboard, grass clippings, garden wastes including but not limited to wastes containing foliage or other vegetation (other than tree stumps and roots as permitted under condition 3), textiles, steel, galvanised metals, construction materials containing paint or fillers or sealers or their containers, oils or greases or any liquids or sludges or their containers, any industrial process by-products other than as permitted under condition 3, any poisons or solvents or their containers, batteries, general domestic refuse not otherwise described, or any wastes with the potential to render land or any vegetation grown on the land toxic to vegetation or to animals consuming such vegetation.
5. If the consent holder is uncertain as to the acceptability or not of a certain material the consent holder shall obtain written approval from the Consents Manager, Taranaki Regional Council, prior to its discharge.
6. The discharge to land shall not result in any contaminant entering surface water or groundwater.
7. All run off from any area of exposed soil 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.

Consent 9532-1

8. The discharge site shall be stabilised vegetatively or otherwise as soon as is practicable and no longer than 6 months after completion of the cleanfill discharge authorised by this consent.
9. The obligation described in condition 8 above shall cease to apply, and accordingly the erosion and sediment control measures may be removed, in respect of any particular area only when the site is stabilised.

Note: For the purpose of conditions 8 and 9 'stabilised' in relation to any site or area means inherently resistant to erosion or rendered resistant, such as by using rock or by the application of basecourse, colluvium, grassing, mulch, or another method to the reasonable satisfaction of the Chief Executive, Taranaki Regional Council and as specified in the Taranaki Regional Council's Guidelines for Earthworks in the Taranaki Region, 2006. Where seeding or grassing is used on a surface that is not otherwise resistant to erosion, the surface is considered stabilised once, on reasonable visual inspection by an officer of the Taranaki Regional Council, an 80% vegetative cover has been established.

10. The consent holder shall at all times adopt the best practicable option or options (as defined in section 2 of the Resource Management Act 1991) to prevent or minimise any actual or potential effect on the environment arising from any discharge at the site.
11. This consent shall lapse on 30 June 2018, 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.
12. 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 2022 and/or June 2026, 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 1 April 2016

For and on behalf of
Taranaki Regional Council

A D McLay
Director - Resource Management



Map showing the extent of cleanfill discharge.

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

Name of
Consent Holder: Downer NZ Limited
P O Box 272
NEW PLYMOUTH 4340

Decision Date: 13 May 2014

Commencement Date: 13 May 2014

Conditions of Consent

Consent Granted: To discharge cleanfill onto and into land

Expiry Date: 1 June 2032

Review Date(s): June 2020, June 2026

Site Location: 82 Veale Road, Frankleigh Park

Legal Description: Lot 1 DP 12685 & Pt Sec 495 Grey Dist Blk IX Paritutu SD
(Discharge site)

Grid Reference (NZTM) 1692808E-5671860N

Catchment: Huatoki

*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 discharge of cleanfill shall only occur in the area shaded on the plan attached (appendix 1).
2. The contaminants to be discharged shall be limited to cleanfill and/or inert materials. For the purposes of this condition, “clean fill and inert materials” are defined as materials consisting of any concrete, cement or cement wastes, bricks, mortar, tiles (clay, ceramic or concrete), non-tanalised timber, porcelain, glass, gravels, boulders, shingles, fibreglass, plastics, sand, soils and clays, and/or tree stumps and roots, whether singly or in combination or mixture, or any other material (subject to condition 3) that when placed onto and into land will not render that land or any vegetation grown on that land toxic to vegetation or animals consuming vegetation.
3. The discharge of the following contaminants shall not occur: food wastes, paper and cardboard, grass clippings, garden wastes including but not limited to wastes containing foliage or other vegetation (other than tree stumps and roots as permitted under condition 2), textiles, steel, galvanised metals, construction materials containing paint or fillers or sealers or their containers, oils or greases or any liquids or sludges or their containers, any industrial process by-products other than as permitted under condition 2, any poisons or solvents or their containers, batteries, general domestic refuse not otherwise described, or any wastes with the potential to render land or any vegetation grown on the land toxic to vegetation or to animals consuming such vegetation.
4. If the consent holder is uncertain as to the acceptability or not of a certain material the consent holder shall obtain written approval from the Consents Manager, Taranaki Regional Council, prior to its discharge.
5. The discharge to land shall not result in any solid contaminant entering surface water or groundwater.
6. Silt retention structures shall be installed and maintained at the toe of the cleanfill discharge area to minimise silt and sediment discharge. Installing silt retention structures in accordance with Guidelines for Earthworks in the Taranaki region, by the Taranaki Regional Council, will achieve compliance with this condition.
7. The consent holder shall install and maintain stormwater diversion drains to minimise stormwater entering the cleanfill discharge area.
8. The consent holder shall at all times adopt the best practicable option or options (as defined in section 2 of the Resource Management Act 1991) to prevent or minimise any actual or potential effect on the environment arising from any discharge at the site.

Consent 5213-2.0

9. Upon completion of the cleanfill discharge authorised by this consent, the discharge site shall be stabilised and re-vegetated to minimise erosion and stormwater infiltration into the filled area.
10. This consent shall lapse on 30 June 2019, 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.
11. 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 2020 and/or June 2026, 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 13 May 2014

For and on behalf of
Taranaki Regional Council

A D McLay
Director-Resource Management

Appendix 1



Figure 2 Area where the discharge of cleanfill is permitted.

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

Name of
Consent Holder: Downer EDI Works Limited
P O Box 384
HAWERA 4640

Decision Date (Change): 19 July 2013

Commencement Date 19 July 2013 (Granted: 11 October 2006)
(Change):

Conditions of Consent

Consent Granted: To discharge cleanfill onto and into land

Expiry Date: 1 June 2022

Review Date(s): June 2016

Site Location: 461A & 421 South Road, Hawera

Legal Description: Lot 2 DP 443795 & Lot 2 DP 13805 Blk X Hawera SD
(Discharge sites)

Grid Reference (NZTM) 1713092E-5615228N

Catchment: Tangahoe

Tributary: Tawhiti

*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 consent holder shall at all times adopt the best practicable option, as defined in section 2 of the Resource Management Act 1991, to prevent or minimise any adverse effects on the environment from the exercise of this consent.
- 2. The exercise of this consent shall be limited to the red and green areas on the attached plan.
- 3. The consent holder shall notify the Chief Executive, Taranaki Regional Council, in writing at least seven days prior to the exercise of this consent.
- 4. The contaminants to be discharged shall be limited to cleanfill and/or inert materials. For the purposes of this condition, "clean fill and inert materials" are defined as materials consisting of any concrete, cement or cement wastes, bricks, mortar, tiles (clay, ceramic or concrete), non-tanalised timber, porcelain, glass, gravels, boulders, shingles, fibreglass, plastics, sand, soils and clays, and/or tree stumps and roots, whether singly or in combination or mixture, or any other material (subject to conditions 5 & 12) that when placed onto and into land will not render that land or any vegetation grown on that land toxic to vegetation or animals consuming vegetation.
- 5. The discharge of the following contaminants shall not occur: food wastes, paper and cardboard, grass clippings, garden wastes including but not limited to wastes containing foliage or other vegetation (other than tree stumps and roots as permitted under condition 4), textiles, steel, galvanised metals, construction materials containing paint or fillers or sealers or their containers, oils or greases or any liquids or sludges or their containers, any industrial process by-products other than as permitted under condition 4, any poisons or solvents or their containers, batteries, general domestic refuse not otherwise described, or any wastes with the potential to render land or any vegetation grown on the land toxic to vegetation or to animals consuming such vegetation.
- 6. When dried silt from the water treatments plants is to be disposed of at the site, the consent holder shall spread the material as thinly as possible and mix it in with other cleanfill material as far as practicable.

Consent 6964-1

7. A maximum volume of 350 cubic metres of dried silt can be applied to the cleanfill site per year.
8. If the consent holder is uncertain as to the acceptability or not of a certain material the consent holder shall obtain written approval from the Chief Executive, Taranaki Regional Council, prior to its discharge.
9. The consent holder shall install and maintain silt retention structures to the satisfaction of the Chief Executive, Taranaki Regional Council.
10. The consent holder shall install and maintain stormwater diversion drains to the satisfaction of the Chief Executive, Taranaki Regional Council.
11. The consent holder shall ensure that the final contours of the filled area allow for stormwater to flow away the site and allow for secondary flow paths for any overflow from Flemings pond.
12. With three months of granting of this consent the consent holder shall prepare, maintain, and comply with a site contingency plan and a site management plan to the satisfaction of the Chief Executive, Taranaki Regional Council.
13. This consent shall lapse on the expiry of five years after the date of issue of this consent, 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.
14. 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 2008 and/or June 2010 and/or June 2016, 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.
15. The discharge to land shall not result in any contaminant entering surface water or groundwater.

Signed at Stratford on 19 July 2013

For and on behalf of
Taranaki Regional Council

Director-Resource Management

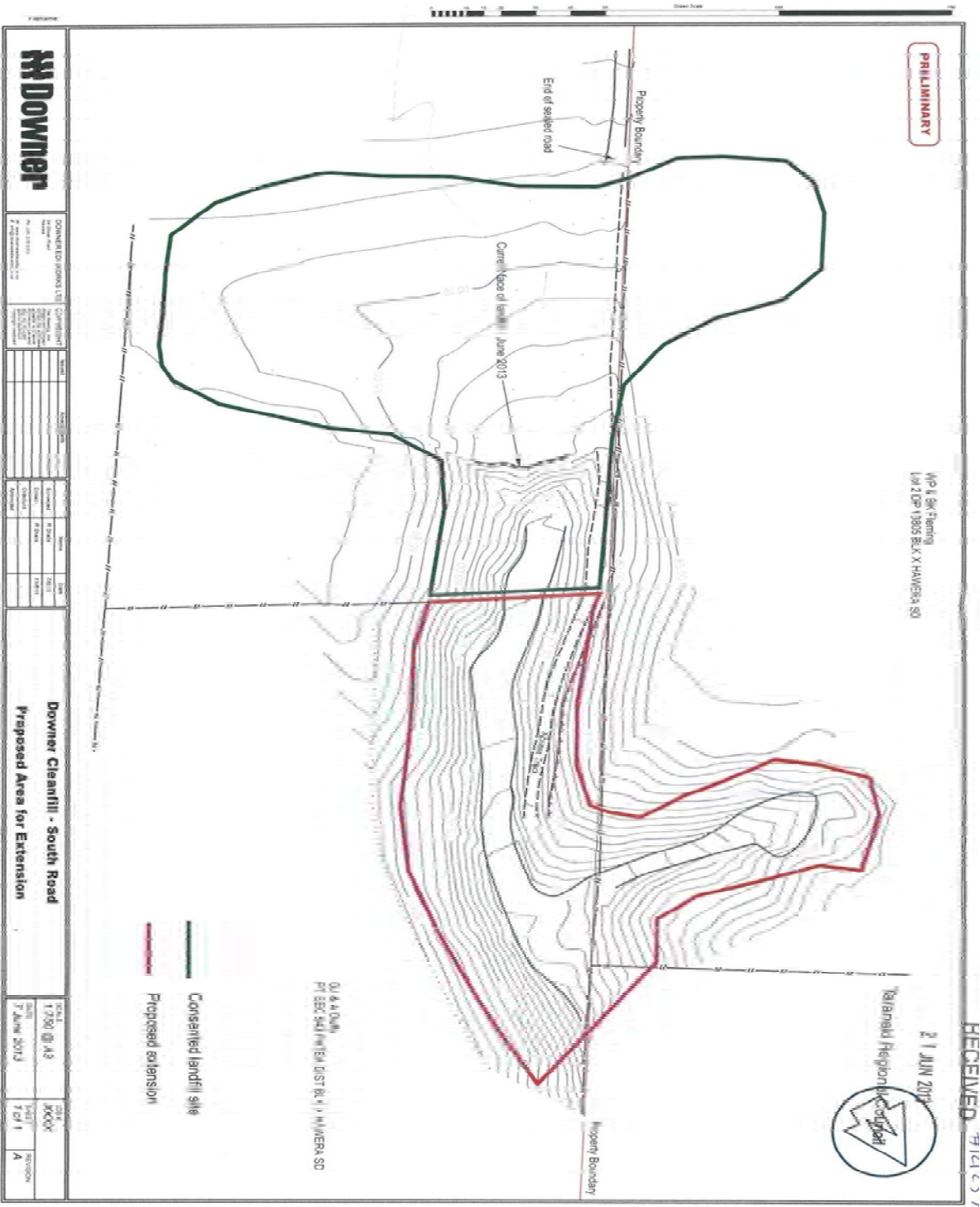


Figure 1 Plan of area permitted to be filled

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

Name of
Consent Holder: Gas & Plumbing Ltd
P O Box 457
NEW PLYMOUTH 4340

Decision Date: 12 October 2007

Commencement
Date: 12 October 2007

Conditions of Consent

Consent Granted: To discharge cleanfill onto and into land in the vicinity of an unnamed tributary of the Mangaone Stream at or about (NZTM) 1696713E-5676599N

Expiry Date: 1 June 2026

Review Date(s): June 2014, June 2020

Site Location: 56 Colson Road, New Plymouth

Legal Description: Lot 1 DP 317882

Catchment: Waiwhakaiho

Tributary: Mangaone

*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 discharge of cleanfill shall only occur in the area shaded on the plan attached.
- 2. The contaminants to be discharged shall be limited to cleanfill and/or inert materials. For the purposes of this condition, "clean fill and inert materials" are defined as materials consisting of any concrete, cement or cement wastes, bricks, mortar, tiles (clay, ceramic or concrete), non-tanalised timber, porcelain, glass, gravels, boulders, shingles, fibreglass, plastics, sand, soils and clays, and/or tree stumps and roots, whether singly or in combination or mixture, or any other material (subject to condition 3) that when placed onto and into land will not render that land or any vegetation grown on that land toxic to vegetation or animals consuming vegetation.
- 3. The discharge of the following contaminants shall not occur: food wastes, paper and cardboard, grass clippings, garden wastes including but not limited to wastes containing foliage or other vegetation (other than tree stumps and roots as permitted under condition 2), textiles, steel, galvanised metals, construction materials containing paint or fillers or sealers or their containers, oils or greases or any liquids or sludges or their containers, any industrial process by-products other than as permitted under condition 2, any poisons or solvents or their containers, batteries, general domestic refuse not otherwise described, or any wastes with the potential to render land or any vegetation grown on the land toxic to vegetation or to animals consuming such vegetation.
- 4. If the consent holder is uncertain as to the acceptability or not of a certain material the consent holder shall obtain written approval from the Consents Manager, Taranaki Regional Council, prior to its discharge.
- 5. Silt retention structures shall be installed and maintained at the toe of the cleanfill discharge area to minimise silt and sediment discharge. Installing silt retention structures in accordance with *Guidelines for Earthworks in the Taranaki region*, by the Taranaki Regional Council, will achieve compliance with this condition.

Consent 7165-1

6. The consent holder shall install and maintain stormwater diversion drains to minimise stormwater entering the cleanfill discharge area.
7. Notwithstanding any conditions within this consent, the consent holder shall at all times adopt the best practicable option or options [as defined in section 2 of the Resource Management Act 1991] to prevent or minimise any actual or potential effect on the environment arising from any discharge at the site.
8. Upon completion of the works associated with the exercise of this consent, the discharge site covered by this consent shall be stabilised and revegetated.
9. 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 2014 and/or June 2020, 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 8 August 2012

For and on behalf of
Taranaki Regional Council

Director-Resource Management

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

Name of
Consent Holder: Graham Harris Limited
 380 Junction Road
 RD 1
 New Plymouth 4371

Decision Date 27 August 2008
(Review):

Commencement Date 27 August 2008 (Granted Date: 14 December 2005)
(Review):

Conditions of Consent

Consent Granted: To discharge cleanfill onto and into land

Expiry Date: 1 June 2020

Site Location: 341 Egmont Road, Hillsborough, New Plymouth

Grid Reference (NZTM) 1698786E-5675339N

Catchment: Waiwhakaiho

Tributary: Mangaone
 Mangaemiemi

*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

Conditions 1 – 2 [unchanged]

- 1. The consent holder shall at all times adopt the best practicable option, as defined in section 2 of the Resource Management Act 1991, to prevent or minimise any adverse effects on the environment from the exercise of this consent.
- 2. The exercise of this consent shall be undertaken generally in accordance with the documentation submitted in support of application 4049. In the case of any contradiction between the documentation submitted in support of application 4049 and the conditions of this consent, the conditions of this consent shall prevail.

Conditions 3 to 4 [changed]

- 3. The contaminants to be discharged shall be limited to cleanfill and/or inert materials. For the purposes of this condition, “clean fill and inert materials” are defined as materials consisting of any concrete, cement or cement wastes, bricks, mortar, tiles (clay, ceramic or concrete), non-tanalised timber, porcelain, glass, gravels, boulders, shingles, fibreglass, plastics, sand, soils and clays, and/or tree stumps and roots, whether singly or in combination or mixture, or any other material (subject to conditions 4 & 6) that when placed onto and into land will not render that land or any vegetation grown on that land toxic to vegetation or animals consuming vegetation.

4. The discharge of the following contaminants shall not occur: food wastes, paper and cardboard, grass clippings, garden wastes including but not limited to wastes containing foliage or other vegetation (other than tree stumps and roots as permitted under condition 3), textiles, steel, galvanised metals, construction materials containing paint or fillers or sealers or their containers, oils or greases or any liquids or sludges or their containers, any industrial process by-products other than as permitted under condition 3, any poisons or solvents or their containers, batteries, general domestic refuse not otherwise described, or any wastes with the potential to render land or any vegetation grown on the land toxic to vegetation or to animals consuming such vegetation.

Condition 5 [unchanged]

5. If the consent holder is uncertain as to the acceptability or not of a certain material the consent holder shall obtain written approval from the Consents Manager, Taranaki Regional Council, prior to its discharge.

Condition 6 [changed]

6. The discharge to land shall not result in any contaminant entering surface water or groundwater.

Conditions 7 to 13 [unchanged]

7. Silt retention structures shall be installed and maintained to the satisfaction of the Chief Executive, Taranaki Regional Council.
8. The consent holder shall install and maintain stormwater diversion drains to minimise stormwater movement across, or ponding on the site, to the satisfaction of the Chief Executive, Taranaki Regional Council.
9. The consent holder shall contour the site to the satisfaction of the Chief Executive, Taranaki Regional Council.
10. No cleanfill material or waste shall be burned on the site.
11. The consent holder shall provide information to the Taranaki Regional Council regarding the quantity and type of material discharged to the site on an annual frequency to the satisfaction of the Chief Executive, Taranaki Regional Council.
12. This consent shall lapse on the expiry of five years after the date of issue of this consent, 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.

13. 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 2008 and/or June 2014, 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 2 October 2017

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

Name of
Consent Holder: Barry John & Lynette Betty Bishop
132 Ahuahu Road
R D 4
NEW PLYMOUTH

Decision Date: 4 April 2013

Commencement Date: 4 April 2013

Conditions of Consent

Consent Granted: To discharge cleanfill onto and into land

Expiry Date: 1 June 2031

Review Date(s): June 2019, June 2025

Site Location: 132 Ahuahu Road, Oakura

Legal Description: Lot 3 DP 452194 (Discharge source & site)

Grid Reference (NZTM) 1680523E-5667339N

Catchment: Waimoku

*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 [the Council] all the administration, monitoring and supervision costs of this consent, fixed in accordance with section 36 of the Resource Management Act.

Special conditions

1. The discharge of cleanfill shall only occur in the area shaded on the plan attached (appendix 1).
2. The contaminants to be discharged shall be limited to cleanfill and/or inert materials. For the purposes of this condition, “clean fill and inert materials” are defined as materials consisting of any concrete, cement or cement wastes, bricks, mortar, tiles (clay, ceramic or concrete), non-tanalised timber, porcelain, glass, gravels, boulders, shingles, fibreglass, plastics, sand, soils and clays, and/or tree stumps and roots, whether singly or in combination or mixture, or any other material (subject to condition 3) that when placed onto and into land will not render that land or any vegetation grown on that land toxic to vegetation or animals consuming vegetation.
3. The discharge of the following contaminants shall not occur: food wastes, paper and cardboard, grass clippings, garden wastes including but not limited to wastes containing foliage or other vegetation (other than tree stumps and roots as permitted under condition 2), textiles, steel, galvanised metals, construction materials containing paint or fillers or sealers or their containers, oils or greases or any liquids or sludges or their containers, any industrial process by-products other than as permitted under condition 2, any poisons or solvents or their containers, batteries, general domestic refuse not otherwise described, or any wastes with the potential to render land or any vegetation grown on the land toxic to vegetation or to animals consuming such vegetation.
4. If the consent holder is uncertain as to the acceptability or not of a certain material the consent holder shall obtain written approval from the Consents Manager, Taranaki Regional Council, prior to its discharge.
5. The discharge to land shall not result in any contaminant entering surface water or groundwater.
6. Silt retention structures shall be installed and maintained at the toe of the cleanfill discharge area to minimise silt and sediment discharge. Installing silt retention structures in accordance with Guidelines for Earthworks in the Taranaki region, by the Taranaki Regional Council, will achieve compliance with this condition.
7. The consent holder shall install and maintain stormwater diversion drains to minimise stormwater entering the cleanfill discharge area to the satisfaction of the Chief Executive, Taranaki Regional Council.
8. The consent holder shall at all times adopt the best practicable option or options (as defined in section 2 of the Resource Management Act 1991) to prevent or minimise any actual or potential effect on the environment arising from any discharge at the site.

Consent 5877-2

9. Upon completion of the cleanfill discharge authorised by this consent, the discharge site shall be stabilised and re-vegetated to the satisfaction of the Chief Executive, Taranaki Regional Council.
10. This consent shall lapse on 30 June 2018, 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.
11. 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 2019 and/or June 2025, 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 4 April 2013

For and on behalf of
Taranaki Regional Council

Chief Executive

Appendix 1



Figure 1 Area where the discharge of cleanfill is permitted.

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

Name of
Consent Holder: J W & C T Bailey Limited
33 Saxton Road
R D 1
NEW PLYMOUTH

Consent Granted
Date: 8 December 2003

Conditions of Consent

Consent Granted: To discharge up to 130 cubic metres/day [1.5 litres/second]
of leachate from a former cleanfill into an unnamed
tributary of the Te Henui Stream at or about GR: P19:045-
352

Expiry Date: 1 June 2020

Review Date(s): June 2008, June 2014

Site Location: Saxton Road, New Plymouth

Legal Description: Sec 28S Huatoki Sett Grey Dist Blk V Paritutu SD

Catchment: Te Henui

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 consent holder shall maintain stormwater drains and/or ground contours at the site, to the satisfaction of the Chief Executive, Taranaki Regional Council, in order to minimise stormwater movement across, or ponding on the site.
- 2. The consent holder shall at all times adopt the best practicable option [as defined in section 2 of the Resource Management Act 1991] to prevent or minimise any actual or likely adverse effect on the environment associated with the discharges of leachate from the site.
- 3. After allowing for reasonable mixing within a mixing zone extending 15 metres downstream of the confluence of the unnamed tributary with the Te Henui Stream, the discharge shall not give rise to any of the following effects in the receiving waters of the Te Henui Stream:
 - a) the production of any conspicuous oil or grease films, scums or foams, or floatable or suspended materials;
 - b) any conspicuous change in colour or visual clarity;
 - c) any emission of objectionable odour;
 - d) the rendering of fresh water unsuitable for consumption by farm animals;
 - e) any significant adverse effects on aquatic life.
- 4. The consent holder shall at all times adopt the best practicable option or options [as defined in section 2 of the Resource Management Act 1991] to prevent or minimise any actual or potential effect on the environment arising from any discharge at the site.
- 5. 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 2008 and/or June 2014, 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 8 December 2003

For and on behalf of
Taranaki Regional Council

Director-Resource Management

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

Name of
Consent Holder: Rocky Bay Holdings Limited
163 Manutahi Road
RD 2
New Plymouth 4372

Decision Date: 29 November 2017

Commencement Date: 29 November 2017

Conditions of Consent

Consent Granted: To discharge cleanfill onto and into land

Expiry Date: 1 June 2032

Review Date(s): June 2018 then every 2 years thereafter

Site Location: 123-137 Smart Road, New Plymouth

Grid Reference (NZTM) 1696626E-5676250N

Catchment: Waiwhakaiho

Tributary: Mangaone

*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. At least 7 working days prior to the commencement of the cleanfill operation, 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.
2. The discharge of cleanfill shall only occur in the area shaded on the attached plan.
3. The contaminants to be discharged shall be limited to cleanfill and/or inert materials. For the purposes of this condition, “clean fill and inert materials” are defined as materials consisting of any concrete, cured cement or cement wastes, bricks, mortar, tiles (clay, ceramic or concrete), non-tanalised timber, porcelain, glass, gravels, boulders, shingles, glass fibre, plastic pipes, sand, soils and clays, and/or tree stumps and roots, whether singly or in combination or mixture, or any other material (subject to condition 4) that when placed onto and into land will not render that land or any vegetation grown on that land toxic to vegetation or animals consuming vegetation.
4. The discharge of the following contaminants shall not occur: food wastes, paper and cardboard, grass clippings, garden wastes including but not limited to wastes containing foliage or other vegetation (other than tree stumps and roots as permitted under condition 3), textiles, steel, galvanised metals, construction materials containing paint or fillers or sealers or their containers, oils or greases or any liquids or sludges or their containers, any industrial process by-products, any poisons or solvents or their containers, batteries, general domestic refuse, or any wastes with the potential to render land or any vegetation grown on the land toxic to vegetation or to animals consuming such vegetation.
5. If the consent holder is uncertain as to the acceptability or not of a certain material the consent holder shall obtain written approval from the Consents Manager, Taranaki Regional Council, prior to its discharge. Specifically, where any material originating from activities described in Appendix C: Hazardous Activities and Industries List (HAIL) of the *User's Guide: NES for Assessing and Managing Contaminants in Soil to Protect Human Health*¹ or subsequent documents, the consent holder shall provide sufficient information on the characteristics of the material such that the material can be considered for approval under this condition.

¹ Ministry for the Environment (2012)

Consent 10471-1.1

6. For compliance monitoring purposes, the consent holder shall keep a record of the material discharged at the site. This record shall be maintained and made available to the Chief Executive, Taranaki Regional Council on request. The record kept shall include as a minimum:
 - a description of material received;
 - the source of the material, including the location details;
 - the total volume (or truck loads) of the material;
 - name, address and other contact details of the 'Discharger'; and
 - the date and period of discharge.
7. The consent holder shall at all times adopt the best practicable option or options (as defined in section 2 of the Resource Management Act 1991) to prevent or minimise any actual or potential effect on the environment arising from any discharge at the site.
8. The consent holder shall ensure that the only source of water entering the fill is that of direct rainwater and the fill is isolated from any stormwater infiltration from the immediate catchment area.
9. The consent shall take all reasonable and necessary steps to minimise effects of the activity on water, including, but not limited to, the following:
 - installation and maintenance of diversion drains and retention devices to minimise stormwater infiltration into the filled area;
 - installation and maintenance of sediment settling/maturation pond to ensure any discharges from the site do not exceed a suspended solids concentration of 100 g/m³; and
 - placing interim cover of 100 mm of compacted clay on any exposed fill during periods of inactivity no more than 1 month.
10. The consent holder shall progressively cap exposed surfaces of the discharge area to ensure there is no more than 1/3 ha of unstabilised and unvegetated fill at any one time. The fill cap shall:
 - have a minimum layer of compacted clay, at least 300 mm thick and shall be covered with topsoil, no less than 100 mm thick;
 - be contoured to prevent ponding and promote runoff from the fill cap area; and
 - be stabilised and vegetated in a manner that withstands subsidence, erosion or scouring.
11. Upon completion of the cleanfill discharge authorised by this consent, the discharge site shall be stabilised and re-vegetated to the satisfaction of the Chief Executive, Taranaki Regional Council.
12. This consent shall lapse on 31 December 2022, 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.

13. 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 2018 then every 2 years thereafter, 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 29 November 2017

For and on behalf of
Taranaki Regional Council

A D McLay
Director - Resource Management

Advice Note (included at the request of DITAG)

The consent holder's attention is drawn to MPI's "New Zealand Code of Practice for the Design and Operation of Farm Dairies (NZCP1) which restricts:

- *The discharge of specified wastes to land used for grazing of milking animals; and*
- *The use of feed from land which has had specified wastes applied to it.*

Should you require further information, please contact a Dairy Industry Technical Advisory Group (DITAG) representative or visit <http://www.foodsafety.govt.nz/elibrary/industry/dairy-nzcp1-design-code-of-practice/amdt-2.pdf> (specifically section 6.4 Disposal of effluent and other wastes and section 7.8 Purchased Stock Food) or contact an operation dairy processing company regarding conditions of supply.

Attachment: Map showing the extent of cleanfill discharge.



Land Use Consent
Pursuant to the Resource Management Act 1991
a resource consent is hereby granted by the
Taranaki Regional Council

Name of
Consent Holder: Taranaki Trucking Company Limited
Cardiff Road
R D 21
STRATFORD

Consent Granted
Date: 20 February 2004

Conditions of Consent

Consent Granted: To erect, place and maintain a culvert in the headwaters of an unnamed tributary of the Waingongoro River to prevent cleanfill contamination of the stream at or about GR: Q20:158-043

Expiry Date: 1 June 2017

Review Date(s): June 2005, June 2011

Site Location: Cardiff Road, Cardiff, Stratford

Legal Description: Lot 1 DP 369 Pt Sec 20 Blk IV Kaupokonui SD

Catchment: Waingongoro

Consent 6280-1

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 exercise of this resource consent shall be undertaken generally in accordance with the documentation submitted in support of application 2821. In the case of any contradiction between the documentation submitted in support of application 2821 and the conditions of this resource consent, the conditions of this resource consent shall prevail.
- 2. The consent holder shall at all times adopt the best practicable option, as defined in section 2 of the Resource Management Act 1991, to prevent or minimise any adverse effects on the environment from the exercise of this resource consent.
- 3. This resource consent shall lapse on the expiry of five years after the date of issue of this resource consent, unless the resource 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.
- 4. The consent holder shall notify the Chief Executive, Taranaki Regional Council in writing at least 48 hours prior to the commencement and upon completion of the initial installation and again at least 48 hours prior to and upon completion of any subsequent maintenance works which would involve disturbance of or deposition to the river bed or discharges to water.
- 5. The consent holder shall ensure that the structure[s] authorised by this consent is free of debris, sediment and obstacles that may impede flow, at all times, as far as is practicable.
- 6. The structure[s] authorised by this consent shall be removed and the area reinstated, if and when the structure[s] are no longer required. The consent holder shall notify the Taranaki Regional Council at least 48 hours prior to structure[s] removal and reinstatement.
- 7. The consent holder shall ensure that the area and volume of riverbed disturbance shall, so far as is practicable, be minimised and any areas which are disturbed shall, so far as is practicable, be reinstated.
- 8. The consent holder shall pipe the small stream at the site using a pipe with a diameter of not less than 9 inches [22.5 cm] to ensure that any future clean-fill or associated inert material placed in the gully does not contaminate the stream.

Consent 6280-1

9. 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 2005 and/or June 2011, 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 20 February 2004

For and on behalf of
Taranaki Regional Council

Director-Resource Management

Discharge Permit

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

Name of
Consent Holder: Taranaki Trucking Company Limited
Cardiff Rd
R D 21
STRATFORD

Consent Granted
Date: 1 November 1999

Conditions of Consent

Consent Granted: To discharge clean fill onto land in the vicinity of an
unnamed tributary of the Waingongoro River at or about
GR: Q20:158-043

Expiry Date: 1 June 2017

Review Date(s): June 2005, June 2011

Site Location: Cardiff Road, Cardiff, Stratford

Legal Description: Lot 1 DP 369 Pt Sec 20 Blk IV Kaupokonui SD

Catchment: Waingongoro

General conditions

- a) That on receipt of a requirement from the General Manager, Taranaki Regional Council (hereinafter the General Manager), the consent holder shall, within the time specified in the requirement, supply the information required relating to the exercise of this consent.
- b) That 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) That 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. THAT only clean-fill and associated inert materials shall be disposed of at the site. The discharge of the following contaminants shall not occur: food wastes, paper and cardboard, grass clippings, garden wastes containing more than 5% green vegetation by weight, oils, greases, any liquids or sludges, any poisons, solvents, batteries, general domestic refuse not otherwise described, or any wastes with the potential to render land or any vegetation grown on the land toxic to vegetation or to animals consuming such vegetation. If the consent holder is uncertain as to whether or not a certain material can be considered as clean-fill and associated inert material, the consent holder shall obtain written approval from the Taranaki Regional Council prior to depositing it at the site.
- 2. THAT no more than 12,000 cubic metres of clean-fill and associated inert materials shall be discharged at the site.
- 3. THAT the consent holder shall pipe the small stream at the site using a pipe with a diameter of not less than 9 inches [22.5 cm] to ensure that any future clean-fill or associated inert material placed in the gully does not contaminate the stream.
- 4. THAT the consent holder shall install and maintain stormwater drains and/or ground contours at the site, in order to minimise stormwater movement across, or ponding on the site.
- 5. THAT no clean-fill or associated inert material shall be deposited or discharged within 50 metres of the southern property boundary.
- 6. THAT a batter slope of 3:1 shall be maintained at the southern end of the deposited material.
- 7. THAT upon completion of the activity and before surrender or expiry of this consent, the site shall be stabilised by way of vegetation so as to minimise any run-off of contaminated stormwater to waterways.
- 8. THAT notwithstanding any conditions within this consent, the consent holder shall at all times adopt the best practicable option or options [as defined in section 2 of the Resource Management Act 1991] to prevent or minimise any actual or potential effect on the environment arising from any discharge from the site.

Consent 5561-1

9. THAT the Taranaki Regional Council may review any or all of the conditions of this consent by giving notice of review during June 2005 and/or June 2011, for the purpose of ensuring that the conditions are adequate to deal with any significant adverse effects on the environment arising from the exercise of this consent, which either were 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 29 October 1999

For and on behalf of
Taranaki Regional Council

Director-Resource Management

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

Name of
Consent Holder: TPJ Partnership
(Philip John & Tanya Nixon)
136 Rainie Road
RD 11
Hawera 4671

Decision Date: 26 January 2016

Commencement Date: 26 January 2016

Conditions of Consent

Consent Granted: To discharge cleanfill and inert materials onto and into land, where contaminants may enter into an unnamed tributary of the Inaha Stream

Expiry Date: 1 June 2035

Review Date(s): June 2017, June 2019, June 2021, June 2023, June 2029

Site Location: 30 Rainie Road, Hawera

Legal Description: Lot 1 DP 19514 Blk VIII Waimate SD (Discharge site)

Grid Reference (NZTM) 1701472E-5619162N

Catchment: Inaha

*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. At least 7 working days prior to the commencement of the fill operation, 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.
2. The discharge of cleanfill shall only occur in the area shaded on the plan attached.
3. The contaminants to be discharged shall be limited to cleanfill and/or inert materials. For the purposes of this condition, “clean fill and inert materials” are defined as materials consisting of any concrete, cement or cement wastes, bricks, mortar, tiles (clay, ceramic or concrete), non-tanalised timber, porcelain, glass, gravels, boulders, shingles, fibreglass, plastics, sand, soils and clays, and/or tree stumps and roots, whether singly or in combination or mixture, or any other material (subject to condition 4) that when placed onto and into land will not render that land or any vegetation grown on that land toxic to vegetation or animals consuming vegetation.
4. The discharge of the following contaminants shall not occur: food wastes, paper and cardboard, grass clippings, garden wastes including but not limited to wastes containing foliage or other vegetation (other than tree stumps and roots as permitted under condition 3), textiles, steel, galvanised metals, construction materials containing paint or fillers or sealers or their containers, oils or greases or any liquids or sludges or their containers, any industrial process by-products other than as permitted under condition 3, any poisons or solvents or their containers, batteries, general domestic refuse not otherwise described, or any wastes with the potential to render land or any vegetation grown on the land toxic to vegetation or to animals consuming such vegetation.
5. If the consent holder is uncertain as to the acceptability or not of a certain material the consent holder shall obtain written approval from the Consents Manager, Taranaki Regional Council, prior to its discharge.
6. The consent holder shall notify the Chief Executive, Taranaki Regional Council at least 2 working days prior to the discharge of any material on site. Notification shall be emailed to worknotification@trc.govt.nz and shall include as a minimum:
 - the consent number;
 - a description of the nature of the material;
 - the source of the material, including the location details;
 - the volume (or truck loads) of the material expected;
 - name, address and other contact details of the ‘Discharger’; and
 - the date and period of discharge.

7. For compliance monitoring purposes, the consent holder shall keep a record of the material discharged at the site. This record shall be maintained and made available to the Chief Executive, Taranaki Regional Council on request. The record kept shall include as a minimum:
 - a description of material received;
 - the source of the material, including the location details;
 - the total volume (or truck loads) of the material;
 - name, address and other contact details of the 'Discharger'; and
 - the date and period of discharge.
8. The consent holder shall ensure that the only source of water entering the fill is that of direct rainwater and the fill is isolated from any stormwater infiltration from the immediate catchment area.
9. The consent shall take all reasonable and necessary steps to minimise effects of the activity on water, including, but not limited to, the following:
 - installation and maintenance of diversion drains and retention devices to minimise stormwater infiltration into the filled area;
 - installation of sediment settling/maturation pond to treat discharges to the Inaha Stream tributary; and
 - placing interim cover of 100 mm of compacted clay on any exposed fill during periods of inactivity no more than 1 month.
10. The consent holder shall ensure that exposed surfaces of the discharge area are progressively capped upon completion of each discharge activity and following the filling of the entire discharge area. The fill cap shall:
 - have a minimum layer of compacted clay, at least 300 mm thick and shall be covered with topsoil, no less than 100 mm thick;
 - be contoured to prevent ponding and promote runoff from the fill cap area; and
 - be stabilised and vegetated in a manner that withstands subsidence, erosion or scouring.
11. After allowing for reasonable mixing, at or about approximate grid reference (NZTM) 1701175E -5619050N, the discharge shall not, either by itself or in combination with other discharges, give rise to any or all of the following effects in the receiving water:
 - a. the production of any conspicuous oil or grease films, scums or foams, or floatable or suspended materials;
 - b. any conspicuous change in the colour or visual clarity;
 - c. any emission of objectionable odour;
 - d. the rendering of fresh water unsuitable for consumption by farm animals;
 - e. any significant adverse effects on aquatic life.
12. The consent holder shall at all times adopt the best practicable option or options (as defined in section 2 of the Resource Management Act 1991) to prevent or minimise any actual or potential effect on the environment arising from any discharge at the site.
13. This consent shall lapse on 31 March 2021, 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.

14. 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 2017 and/or June 2019 and/or June 2021 and/or June 2023 and/or June 2029, 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 26 January 2016

For and on behalf of
Taranaki Regional Council

A D McLay
Director - Resource Management

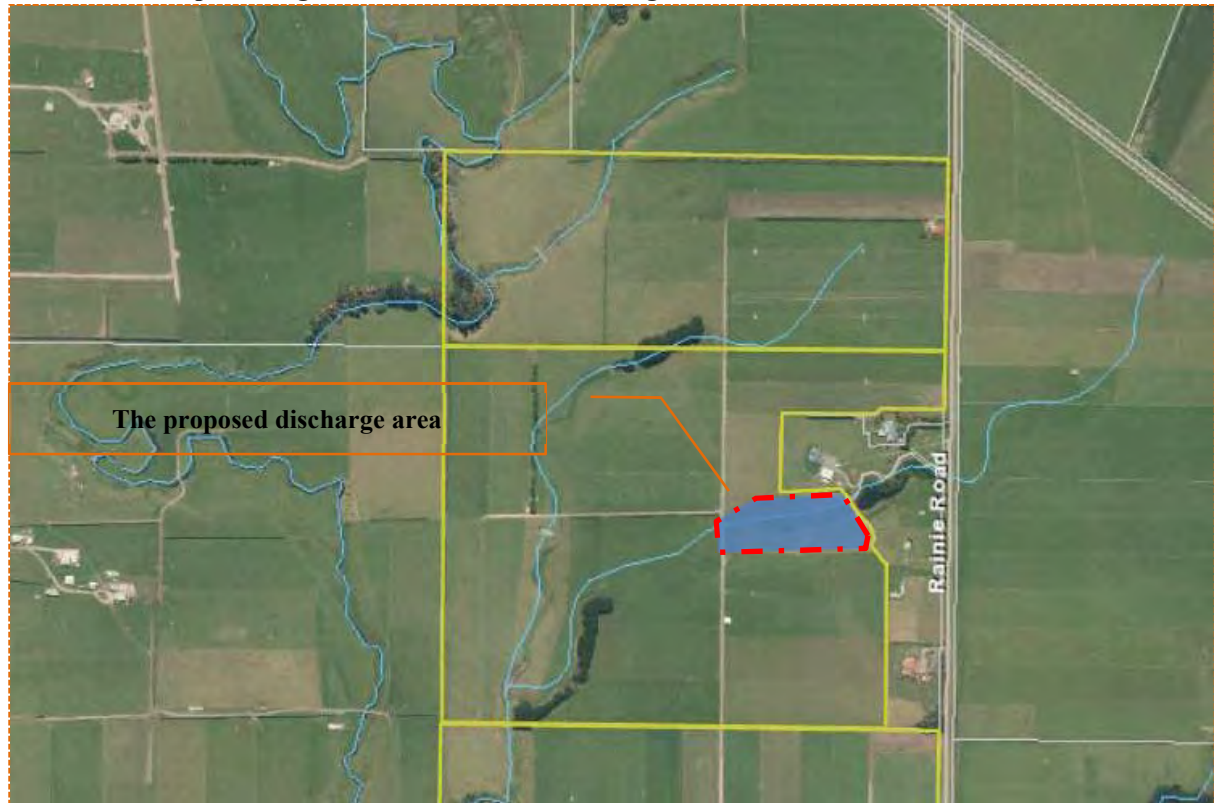
Advice Note (included at the request of DITAG)

The consent holder's attention is drawn to MPI's "New Zealand Code of Practice for the Design and Operation of Farm Dairies (NZCP1) which restricts:

- The discharge of specified wastes to land used for grazing of milking animals; and
- The use of feed from land which has had specified wastes applied to it.

Should you require further information, please contact a Dairy Industry Technical Advisory Group (DITAG) representative or visit <http://www.foodsafety.govt.nz/elibrary/industry/dairy-nzcp1-design-code-of-practice/amdt-2.pdf> (specifically section 6.4 Disposal of effluent and other wastes and section 7.8 Purchased Stock Food) or contact an operation dairy processing company regarding conditions of supply.

Attachment: Map showing the extent of cleanfill discharge.



Land Use Consent
Pursuant to the Resource Management Act 1991
a resource consent is hereby granted by the
Taranaki Regional Council

Name of
Consent Holder: TPJ Partnership
(Philip John & Tanya Nixon)
136 Rainie Road
RD 11
Hawera 4671

Decision Date: 26 January 2016

Commencement Date: 26 January 2016

Conditions of Consent

Consent Granted: To install piping in unnamed tributaries of the Inaha Stream,
including associated streambed disturbance and reclamation

Expiry Date: 1 June 2035

Review Date(s): June 2023, June 2029

Site Location: 30 Rainie Road, Hawera

Legal Description: Lot 1 DP 19514 & Sec 6 Blk VIII Waimate SD (Site of piping)

Grid Reference (NZTM) Between:
1701203E – 5619066N & 1701547E – 5619191N
1701087E – 5619299N & 1701111E – 5619164N
1701203E – 5619711N & 1701100E – 5619566N

Catchment: Inaha

*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. This consent authorises the laying of piping and subsequently filling the piped reach in approximately 720 metres of streambed between the following approximate (NZTM) grid references, in accordance with the details provided with the application. In the case of any contradiction between the application details and the conditions of this consent, the conditions of this consent shall prevail:
 - a) 1701203E – 5619066N and 1701547E – 5619191N (185 metres);
 - b) 1701087E – 5619299N and 1701111E – 5619164N (155 metres); and
 - c) 1701203E – 5619711N and 1701100E – 5619566N (220 metres + 45 metres + 115 metres).
2. The proposed 45 metres long piping shall have diameter of no less 110 mm.
3. The area of works shall be recontoured to ensure that when the capacity of the pipes is exceeded, all excess water flows to clearly defined secondary flow paths (which generally follow the route of the reclaimed stream) into the unnamed tributary of the Inaha Stream.
4. The defined secondary flow path described in condition 3 above shall have a minimum bottom width of 5 metres, with side slopes no steeper than 1 vertical to 3 horizontal, on firm natural ground.
5. The consent holder shall ensure that:
 - a) the pipes are laid in an excavated 'V' trench down each side of the streambed;
 - b) concrete manholes are installed at the upstream end of the proposed piping and connected to the upstream culvert;
 - c) bunds, a minimum of 0.5 metre high and no steeper than 1 vertical to 5 horizontal, are placed across the surface depression directly downstream of each manhole on the piped line to capture surface flow into the manhole;
 - d) the manholes have surface inlets; and
 - e) the surface inlets are protected by silt cloth, to ensure that erosion is minimised, until such time as grass cover is achieved.
6. The piping and the secondary flow path shall be maintained to ensure they do not become blocked, and at all times, allow the free flow of water through.
7. The consent holder shall notify the Chief Executive, Taranaki Regional Council, in writing at least 2 working days prior to commencement of the works. Notification shall include the consent number and a brief description of the activity consented and be emailed to worknotification@trc.govt.nz.

8. The fencing and riparian planting specified in the Riparian Management Plan for the property shall be carried out in accordance with the following programme.

Length of stream bank to be fenced and planted (m)	Completion date
Up to 1000	1 June 2017
1001 to 3000	1000 metres by June 2017, the remainder by June 2018
More than 3000	1000 metres by June 2017, 3000 metres by June 2018, the remainder by June 2019

9. To remedy and mitigate the adverse environmental effects of this consent, the consent holder shall make a single payment of \$3,200 (plus GST) to the Taranaki Regional Council as a financial contribution for the purpose of enhancing habitat in wetlands and small streams. The payment shall be made within three months of commencement of the work.
10. The consent holder shall take all practicable steps to minimise sedimentation and increased turbidity of the stream during installation of the piping, including by:
- completing all works in the minimum time practicable;
 - avoiding placement of excavated material in the flowing channel; and
 - keeping machinery out of the actively flowing channel, as far as practicable.
11. No vegetation shall be buried within 20 metres of the piped stream.
12. All earthwork areas shall be stabilised as soon as is practicable immediately following completion of soil disturbance activities.

Note: For the purpose of this condition "stabilised" in relation to any site or area means inherently resistant to erosion or rendered resistant, such as by using indurated rock or by the application of basecourse, colluvium, grassing, mulch, or another method to the reasonable satisfaction of the Chief Executive, Taranaki Regional Council and as specified in Taranaki Regional Council's Guidelines for Earthworks in the Taranaki Region, 2006. Where seeding or grassing is used on a surface that is not otherwise resistant to erosion, the surface is considered stabilised once, on reasonable visual inspection by an Investigating Officer, Taranaki Regional Council, an 80% vegetative cover has been established.

13. In the event that any archaeological remains are discovered as a result of works authorised by this consent, the works shall cease immediately at the affected site and tangata whenua and the Chief Executive, Taranaki Regional Council, shall be notified within one working day. Works may recommence at the affected area when advised to do so by the Chief Executive, Taranaki Regional Council. Such advice shall be given after the Chief Executive has considered: tangata whenua interest and values, the consent holder's interests, the interests of the public generally, and any archaeological or scientific evidence. The New Zealand Police, Coroner, and Historic Places Trust shall also be contacted as appropriate, and the works shall not recommence in the affected area until any necessary statutory authorisations or consents have been obtained.

14. 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 2023 and/or June 2029, 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 26 January 2016

For and on behalf of
Taranaki Regional Council

A D McLay
Director - Resource Management