

Regional Cleanfill
Monitoring Programme
Annual Report
2015-2016

Technical Report 2016-70

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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 Limited (AA Contracting), A & A George Family Trust (George Family), AE Riddick (Riddick), BJ & LB Bishop (Bishop), Downer EDI Works Limited (Downer) (three sites), Gas and Plumbing Limited (Gas and Plumbing), Graham Harris (2000) Limited (Graham Harris), JW & CT Bailey Limited (Bailey), Taranaki Trucking Company Limited (Taranaki Trucking), and TPJ Partnership (TPJ).

This report for the period July 2015 to June 2016 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 also details the results of the monitoring undertaken and assesses the environmental effects of these cleanfilling activities.

Within this programme, the 12 consented cleanfill operations monitored hold a total of 16 resource consents, which include a total of 174 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, four consents relating to piping and culverts, and 11 consents to discharge cleanfill onto and into land.

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

George Family, Bishop, and Graham Harris demonstrated an overall good level of environmental performance.

The Council's monitoring programme included 33 inspections, with each site receiving either two or three scheduled inspections. Council also took 13 water samples for physicochemical analysis during the 2015-2016 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 the sites, and where minor amounts were found, these items were not found to be present at the following inspection.

During the period under review AA Contracting, Riddick, Downer (Dorset Road), Bailey, Downer (Veale Road), Downer (South Road), Gas and Plumbing, Taranaki Trucking and TPJ demonstrated a high level of environmental and a high administrative performance with their resource consents.

George Family, Bishop and Graham Harris demonstrated a good level of environmental and a high level of administrative performance with their resource consents.

For reference, in the 2015-2016 year, 71% of consent holders in Taranaki monitored through tailored compliance monitoring programmes achieved a high level of environmental

performance and compliance with their consents, while another 24% demonstrated a good level of environmental performance and compliance with their consents.

This report includes recommendations for the 2016-2017 monitoring period.

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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 2015 to June 2016 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 region in differing catchments 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 covers the results and findings of the monitoring programme implemented by the Council in respect of the consents held by 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 eleventh 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 at cleanfill.

Sections 2-13 present the results for each cleanfill site, discuss their significance for the environment and make recommendations for the 2016-2017 year.

Section 14 summarises the recommendations to be implemented in the 2016-2017 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 *Resource Management Act 1991* (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 a discharger, and may include cultural and socio-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);
- (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 Evaluation of environmental and administrative performance

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

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 (i.e. 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 interpretations, 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 compliance

- **High:** The administrative requirements of the resource consents were met, or any failures 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 2015-2016 year, 71% of consent holders in Taranaki monitored through tailored compliance monitoring programmes achieved a high level of environmental performance and compliance with their consents, while another 24% demonstrated a good level of environmental performance and compliance with their consents.

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 23 consented cleanfills, 12 of which are covered in this report under the combined cleanfill monitoring programme. The other 11 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 2015 to 2016 period¹, with the locations of the sites shown in Figure 1.

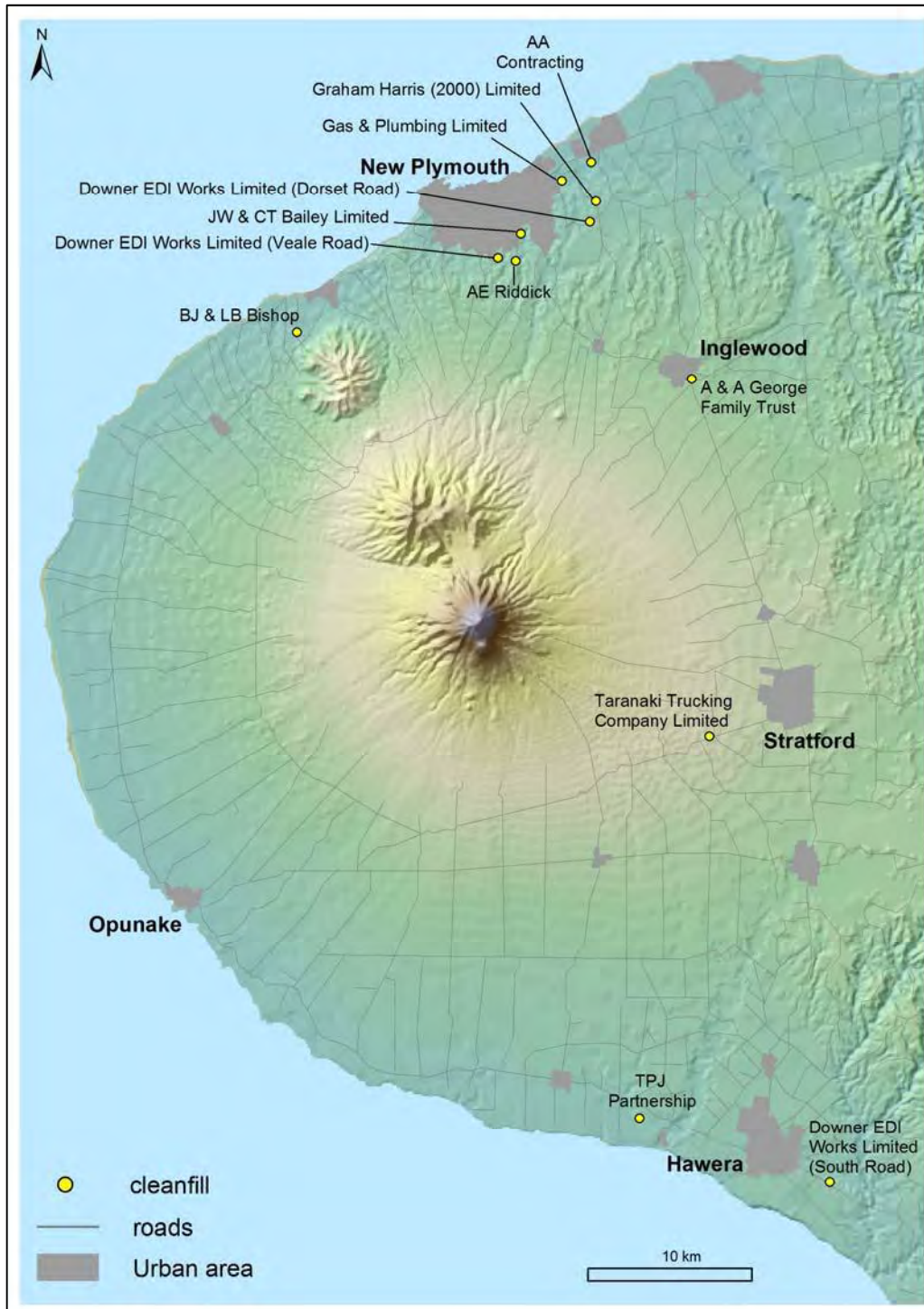


Figure 1 Regional map showing the locations of the cleanfills monitored under this programme during the year under review

¹ Full copies of the consents are attached in Appendix 1.

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 Limited	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, Okato	Waimoku Stream	Waimoku
	5877-2	To discharge cleanfill onto and into land	June 2019	1 June 2031			
Downer EDI Works Limited	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 Limited	5213-2	To discharge cleanfill onto and into land	June 2020	1 June 2032	Veale Road, New Plymouth	Huatoki Stream	Huatoki
Downer EDI Works Limited	6964-1	To discharge cleanfill onto and into land	-	1 June 2022	South Road, Hawera	Tangahoe Stream	Tawhiti
Gas & Plumbing Limited	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 (2000) Limited (New Plymouth)	6771-1	To discharge cleanfill onto and into land	-	1 June 2020	341 Egmont Road, New Plymouth	Mangaemiemi and Mangaone Stream	Waiwhakaiho

Consent Holder	Resource consent	Purpose	Next Review	Expiry	Location	Water body	Catchment
JW & CT Bailey Limited	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			
Taranaki Trucking Company Limited	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	-	1 June 2017	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			
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 [Granted on 26 January 2016]	June 2017	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 [Granted on 26 January 2016]	June 2023	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 Limited (AA Contracting), BJ & LB Bishop (Bishop), JW & CT Bailey (Bailey), and Taranaki Trucking Company Limited (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

A copy of these consents is included in Appendix I of 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

A copy of the consent is included in Appendix I of 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 11 consents to discharge cleanfill covered by this report. These consents are held by AA Contracting Limited (AA Contracting), A & A George Family Trust (George Family), AE Riddick (Riddick), BJ & LB Bishop (Bishop), Downer EDI Works Limited (Downer) (three sites), Gas and Plumbing Limited (Gas and Plumbing), Graham Harris (2000) Limited (Graham Harris), JW & CT Bailey Limited (Bailey), and Taranaki Trucking Company Limited (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.

Copies of these consents 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 reviews;
- renewals;
- new consents;
- 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 2015-2016 period, 33 site inspections were carried out. A summary of the number of inspections carried out at each of the cleanfill sites for 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 took 13 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 of the cleanfill sites during 2015-2016 is also shown in Table 2.

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

Site	Inspections	Water samples
AA Contracting	3	2
George Family	3	0
Riddick	3	1
Bishop	3	2
Downer (Dorset Road)	3	0
Downer (Veale Road)	3	2
Downer (South Road)	3	1
Gas and Plumbing	3	1
Graham Harris	3	0
Bailey	2	3
Taranaki Trucking	2	1
TPJ Partnership	2	0
Total	33	13

2. AA Contracting Limited – Henwood Road, New Plymouth

2.1 Site description and activities

AA Contracting Limited (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.

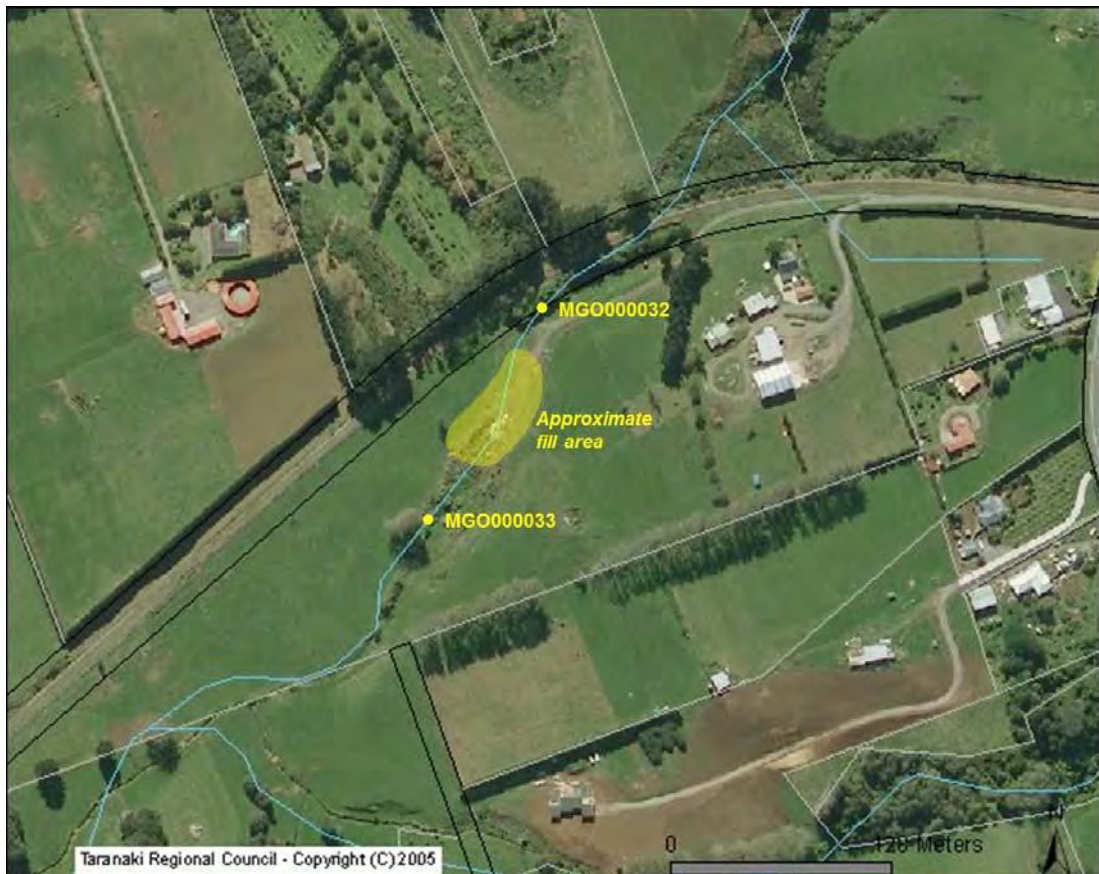


Figure 2 AA Contracting Limited's cleanfill and sampling sites at Henwood Road, New Plymouth

2.2 Results

2.2.1 Inspections

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

12 August 2015

It was found that the gate was locked on arrival at the site. The inspecting officer talked with the occupier at the property. At inspection it was found that a lot of material had been disposed of at the site since the last inspection. The visible materials consisted of clay, concrete, dirt, stumps and hard plastic pipe. There was a pile of agapanthus present above the tip face, and the consent holder was instructed that these were not to be pushed into the cleanfill. The consent holder was informed that this was considered to be green waste (not cleanfill). It was found that there was

a good metal track to tip face and that new rocks had been put around the front of the Mangaone Stream culvert. It was noted that the works looked good. The consent holder was instructed not to dump or accept agapanthus at the site.

11 January 2016

It was found that the gate was locked on arrival at the site. Not a lot had been disposed of at the site since the previous inspection. The material consisted of clay, dirt and hard plastic pipe. It was noted that the site looked good and appeared to have been levelled a while ago. There were no dust, odour or ponding issues found at the time of inspection.

24 March 2016

It was found that the gate was locked on arrival at the site. Again, not a lot of material had been disposed of at the site since the last inspection. The material consisted of clay, dirt and a few stumps. There had been heavy rain over night prior to the inspection and it was noted that there were no ponding, odour or dust issues found at the time of inspection. The consent holder was informed that water samples were collected at this inspection.

2.2.2 Results of receiving environment monitoring

Routine water quality sampling was undertaken on one occasion and the results are presented in the table below. The sampling site locations are shown in Figure 2.

Table 3 Chemical analysis of a tributary of the Mangaone Stream at AA Contracting Limited's cleanfill, Henwood Road, Bell Block, New Plymouth

Parameter	Units	24 March 2016	
		MGO000032 (u/s of cleanfill)	MGO000033 (d/s of cleanfill)
Conductivity	mS/m	9.0	9.9
Unionised ammonia	g/m ³ -N	0.00010	0.00016
Ammoniacal nitrogen	g/m ³ -N	0.024	0.057
pH	pH	7.0	6.8
Temperature	°C	18.8	18.8

The pH, conductivity, and ammoniacal nitrogen concentrations measured in the tributary indicate that cleanfill is not leaching any significant amounts of contaminants into the environment. There was a very slight rise in the level of unionised ammonia downstream of the cleanfill, however the level found was well below the 0.025 g/m³ guideline value given in the Regional Fresh Water Plan for Taranaki (RFPW) to protect aquatic ecosystems that may be subjected to long term exposure. The conductivity also indicated very low levels of dissolved salts, with only a small rise between the up and downstream sites.

2.2.3 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).

In the 2015-2016 period, the Council was not required to undertake significant additional investigations and interventions, or record incidents, in association with the consent holder's 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. Although green waste was found at the site at one of the three inspections, this had not yet been discharged into the cleanfill area. The consent holder was asked to remove the material from the site, and it was not found to be present at the following inspection. No other management or performance issues were noted during inspections.

2.3.2 Environmental effects of exercise of consents

Conductivity and unionised ammonia in the receiving waters downstream of the site were found to be at acceptable levels. The results of water sample analyses indicate that the site is not likely to be having an adverse effect 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 the tables below.

Table 4 Summary of performance for AA Contracting Limited's 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	No payment received to end of period (payment was made in November 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
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

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?
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 Limited's 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	Yes
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
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 1.1.4.

2.3.4 Recommendation from the 2014-2015 Annual Report

In the 2014-2015 Annual Report, it was recommended:

THAT monitoring of discharges from AA Contracting's cleanfill in the 2015-2016 period continues at the same level as in 2014-2015.

This recommendation was implemented.

2.3.5 Alteration to the monitoring programme for 2016-2017

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

- the extent of information made available by previous authorities;
- its relevance under the RMA;
- its obligations to monitor discharges and their effects under the RMA; and
- to report to the regional community.

The Council also takes into account the scope of assessments required at the time of renewal of permits, and the need to maintain a sound understanding of industrial processes within Taranaki emitting to the atmosphere and discharging to the environment.

It is proposed that for 2016-2017, the programme remains unchanged.

2.4 Recommendation

THAT monitoring of discharges from AA Contracting's cleanfill in the 2016-2017 period continues at the same level as in 2015-2016.

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, New Plymouth

3.2 Results

3.2.1 Inspections

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

11 January 2016

It was found that the gate to the site was closed at the time of the inspection. A lot of material had been disposed of at the site since the previous inspection, which consisted of clay, dirt, broken concrete, timber, stumps and bricks. The inspecting officer noted the site looked good with no silt and sediment, ponding, dust or odour issues found. It was observed that bitumen had been laid in a driveway at the end of the cleanfill.

29 March 2016

The inspection was undertaken after recent rain. It was noted that the gate to the site was open at the time of the inspection. It was found that the site had recently been levelled. There was a lot of clay, dirt and broken concrete present. It was noted that the site looked good and there were no ponding, odour or dust issues found at the time of the inspection.

27 May 2016

It was noted that the gate was open at the time of this inspection. It was found that a lot of demolition material had been recently brought onto the site. There was a lot of timber, clay, dirt and cured bitumen present. It was noted that there was a bulldozer on site, and that the track and site were quite muddy due to a lot of recent rain. There were a few sheets of corrugated iron that would need to be removed and a phone call was made to the site operator regarding the removal of this material.

The corrugated iron was not noted to be present at the following 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. No water discharges were noted from the site during inspections, and so no water sampling was undertaken.

3.2.3 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).

In the 2015-2016 period, the Council was not required to undertake significant additional investigations and interventions, or record incidents, in association with the consent holder'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. The consent holder was advised to remove some prohibited materials (corrugated iron), however these had not been discharged to the cleanfill tip face at the time of inspection, and therefore this was considered to be an inconsequential breach of consent conditions. George Family were instructed to remove the material, and no further action was taken.

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 the table below.

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	Minor amount of prohibited material present, but not discharged at the tip face
4. If the acceptability of a substance is uncertain, obtain approval from the Council	Approval sought and was given for disposal of Mondo track material	Yes
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	Yes
9. Upon completion the discharge site shall be stabilised and re-vegetated	Site is still in use	N/A

Purpose: <i>To discharge cleanfill onto and into land</i>		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
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		High

N/A = not applicable

During the year, George Family demonstrated a good level of environmental performance and a high level of administrative performance with their resource consent as defined in Section 1.1.4.

3.3.4 Recommendation from the 2014-2015 Annual Report

In the 2014-2015 Annual Report, it was recommended:

THAT monitoring of discharges from the George Family's cleanfill in the 2015-2016 period monitoring continues at the same level as in 2014-2015.

This recommendation was implemented.

3.3.5 Alteration to the monitoring programme for 2016-2017

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

- the extent of information made available by previous authorities;
- its relevance under the RMA;
- its obligations to monitor discharges and their effects under the RMA; and
- to report to the regional community.

The Council also takes into account the scope of assessments required at the time of renewal of permits, and the need to maintain a sound understanding of industrial processes within Taranaki emitting to the atmosphere and discharging to the environment.

It is proposed that for 2016-2017, the programme remains unchanged.

3.4 Recommendation

THAT monitoring of discharges from the George Family's cleanfill in the 2016-2017 period monitoring continues at the same level as in 2015-2016.

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.

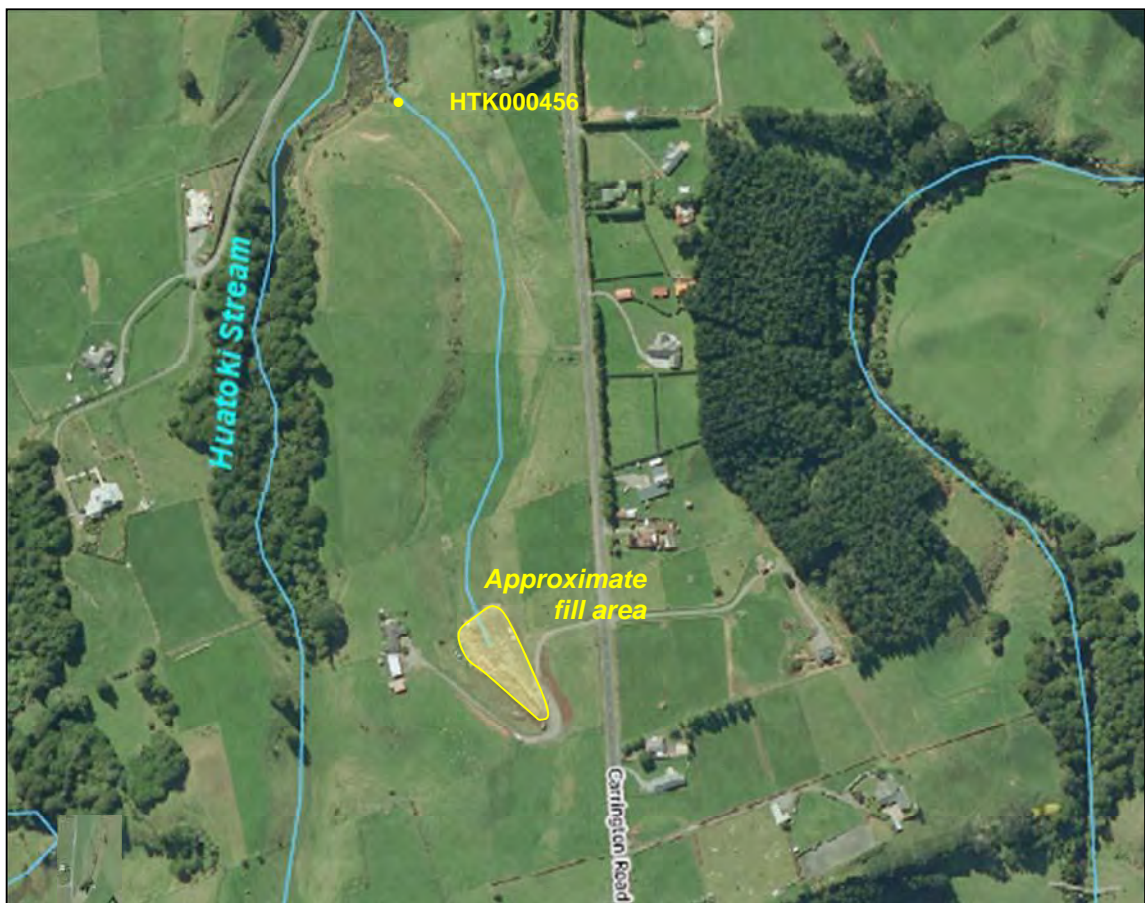


Figure 4 AE Riddick's cleanfill and sampling site at Carrington Road, New Plymouth

4.2 Results

4.2.1 Inspections

Riddick's cleanfill was inspected on three occasions during the period under review.

14 September 2015

It was found that the gate was open and the site had recently been levelled with a bulldozer. There was a watercart present on site. A large volume of clay, dirt

concrete, cured bitumen and stumps had been disposed of since the last inspection. The site looked good with no ponding, odour or dust issues found.

11 January 2016

A large amount of material had been disposed of at the site since the last inspection. There were large volumes of bitumen, clay, dirt, sand, chip metal and concrete pipes present. It was noted that the site looked good with no ponding or odours found. The consent holder was advised that there was the potential that dust may be a problem with the amount of truck movements occurring at the site, and was asked to ensure that no dust leaves the site. The inspecting officer was informed that the consent holder was considering putting a new access track in. The site was satisfactory at the time of inspection.

24 March 2016

The gate was open at the time the inspecting officer arrived at the site. It was noted that a lot of cured bitumen, clay and dirt had been disposed of since the last inspection. It was observed that there was a bulldozer present on site. The site looked good with no odours, dust or ponding found. The consent holder was informed that a water sample had been collected at this inspection.

4.2.2 Results of receiving environment monitoring

The sample was collected at the property boundary below the wetland. A spring flows from beneath the landfill along a course adjacent to the wetland, with little flow passing through the vegetation. 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

Parameter	Units	24 March 2016
		HTK000456 (downstream of cleanfill)
Conductivity	mS/m	13.1
Unionised ammonia	g/m ³ -N	0.00039
Ammoniacal nitrogen	g/m ³ -N	0.144
pH	pH	6.8
Temperature	°C	18.6

The pH, conductivity, and ammoniacal nitrogen concentrations measured in the tributary (HTK000456) indicate that cleanfill is not leaching any adverse contaminants into the environment. The unionised ammonia concentration measured downstream of the cleanfill 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.

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

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).

In the 2015-2016 period, the Council was not required to undertake significant additional investigations and interventions, or record incidents, in association with the consent holder'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 following table.

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	Yes
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 1.1.4.

4.3.4 Recommendation from the 2014-2015 Annual Report

In the 2014-2015 Annual Report, it was recommended:

THAT monitoring of discharges from Riddick's cleanfill in the 2015-2016 year continues at the same level as in 2014-2015.

This recommendation was implemented.

4.3.5 Alterations to the monitoring programme for 2016-2017

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

- the extent of information made available by previous authorities;
- its relevance under the RMA;
- its obligations to monitor discharges and their effects under the RMA; and
- to report to the regional community.

The Council also takes into account the scope of assessments required at the time of renewal of permits, and the need to maintain a sound understanding of industrial processes within Taranaki emitting to the atmosphere and discharging to the environment.

It is proposed that for 2016-2017, the programme remains unchanged.

4.4 Recommendation

THAT monitoring of discharges from Riddick's cleanfill in the 2016-2017 year continues at the same level as in 2015-2016.

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.

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.

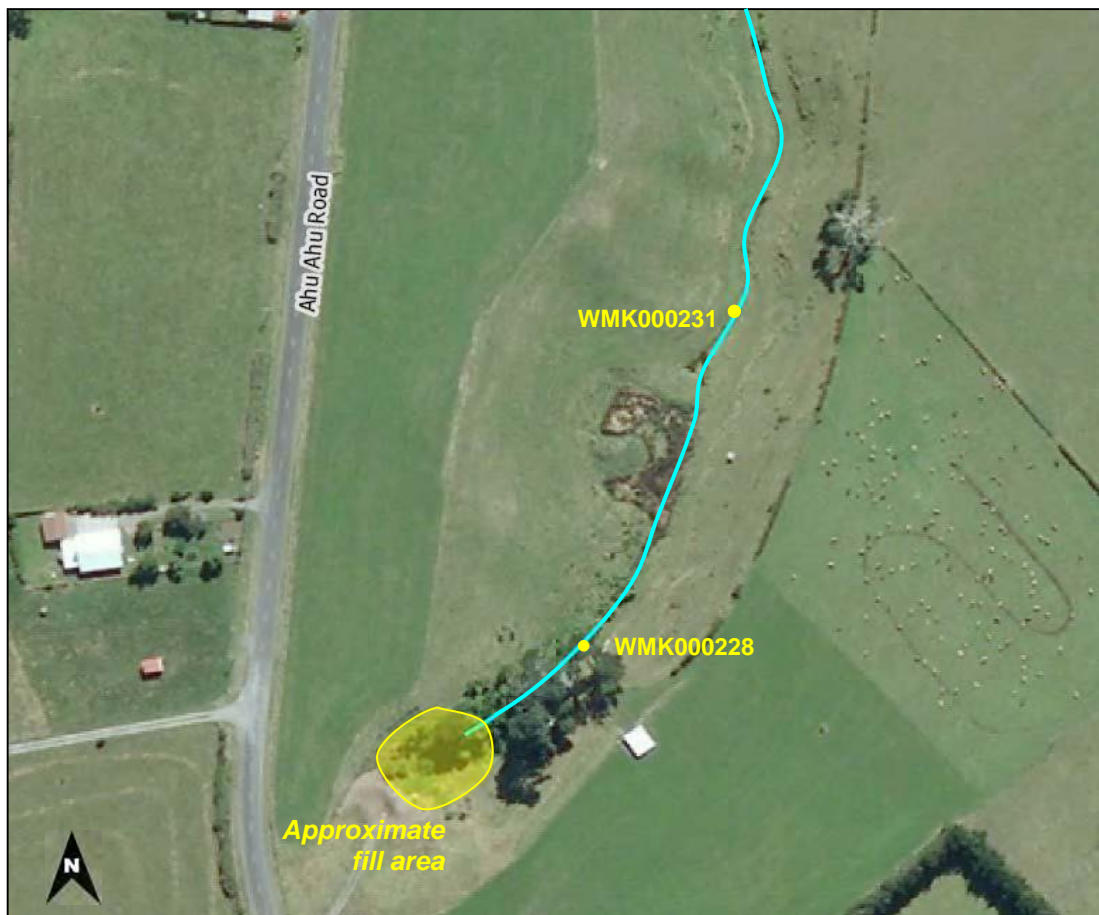


Figure 5 BJ & LB Bishop's cleanfill and sampling sites at Ahu Ahu Road, Oakura (approximate fill area indicated in yellow)

5.2 Results

5.2.1 Inspections

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

1 September 2015

The gate was found to be open at the time of the inspection. It was noted that a lot of material had been disposed of since the previous inspection. There were large piles

of clay, dirt, bricks, branches and broken concrete present. It was also noted that there was a digger on site. It was found that the silt trap below tip face was working well at the time of the inspection.

11 January 2016

The gate was found to be open at the time of the inspection. It was observed that the site had recently been levelled and the digger was still parked on site. The materials present consisted of clay, dirt, broken concrete and timber. It was noted that the site looked good and there were no ponding, odour or dust issues found at the time of the inspection.

29 March 2016

The gate was found to be open at the time of the inspection. There were a few piles of clay, dirt, sand and a bit of plastic nova flow pipe present. It was noted that, overall, the site looked good at the time of the inspection. The consent holder was advised that water samples had been collected.

5.2.2 Results of receiving environment monitoring

Two water samples were taken downstream of the cleanfill in the unnamed tributary of the Waimoku Stream, and the results are given in the table below.

Table 9 Results of water sample taken from B & L Bishop's cleanfill

Parameter	Units	2 May 2014	
		WMK000228 5 m d/s of cleanfill face	WMK000231 60 m d/s of cleanfill
Conductivity	mS/m	17.0	24.5
Unionised ammonia	g/m ³ -N	0.00066	0.00345
Ammoniacal nitrogen	g/m ³ -N	0.734	2.85
pH	pH	6.4	6.5
Temperature	Deg C	16.1	17.0

The results indicated that there was a slightly elevated level of ammoniacal nitrogen in the receiving waters immediately downstream of the tip face. On this sampling occasion it is noted that there was a further elevation in the ammoniacal nitrogen concentration in the sample taken at a point 60 metres downstream. When compared to the historical data, the level of ammoniacal nitrogen found at site WMK000228 is below the median of historical results, whilst at site WMK000231 it is the highest since monitoring began in 2003. However, when expressed as free ammonia both samples were found to be well below the 0.025 g/m³ guideline value given in the RFWP for the long term protection of aquatic ecosystems. It is possible that this increase could be as a result of the agricultural land use between these two sites, and continued sampling is recommended to ascertain whether the rise in ammoniacal nitrogen found in this period is a transitory increase or is part of an emerging trend.

5.2.3 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).

In the 2015-2016 period, the Council was not required to undertake significant additional investigations and interventions, or record incidents, in association with the consent holder's 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. This was again found to be the case during the period under review. In addition to this, a further elevation in the ammoniacal nitrogen concentration was found at a point 60 m further downstream. Although, 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	Yes
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		Good
Overall assessment of administrative performance in respect of this consent		High

N/A = not applicable

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

Purpose: <i>To erect, place and maintain a culvert in the headwaters of an unnamed tributary of the Waimoku Stream for cleanfilling activities</i>		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
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 good level of environmental performance and a high level of administrative performance with their resource consents as defined in Section 1.1.4.

5.3.4 Recommendations from the 2014-2015 Annual Report

The 2014-2015 Annual Report recommended:

THAT monitoring of discharges from Bishop's cleanfill on Ahu Ahu Road in the 2015-2016 year continues at the same level as in 2014-2015.

This recommendation was implemented.

5.3.5 Alterations to the monitoring programme for 2016-2017

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

- the extent of information made available by previous authorities;
- its relevance under the RMA;
- its obligations to monitor discharges and their effects under the RMA; and
- to report to the regional community.

The Council also takes into account the scope of assessments required at the time of renewal of permits, and the need to maintain a sound understanding of industrial processes within Taranaki emitting to the atmosphere and discharging to the environment.

It is proposed that for 2016-2017, the programme remains unchanged.

5.4 Recommendation

THAT monitoring of discharges from Bishop's cleanfill on Ahu Ahu Road in the 2016-2017 year continues at the same level as in 2015-2016.

6. Downer EDI Works Limited - Dorset Road, New Plymouth

6.1 Site description and activities

Downer EDI Works Limited (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.

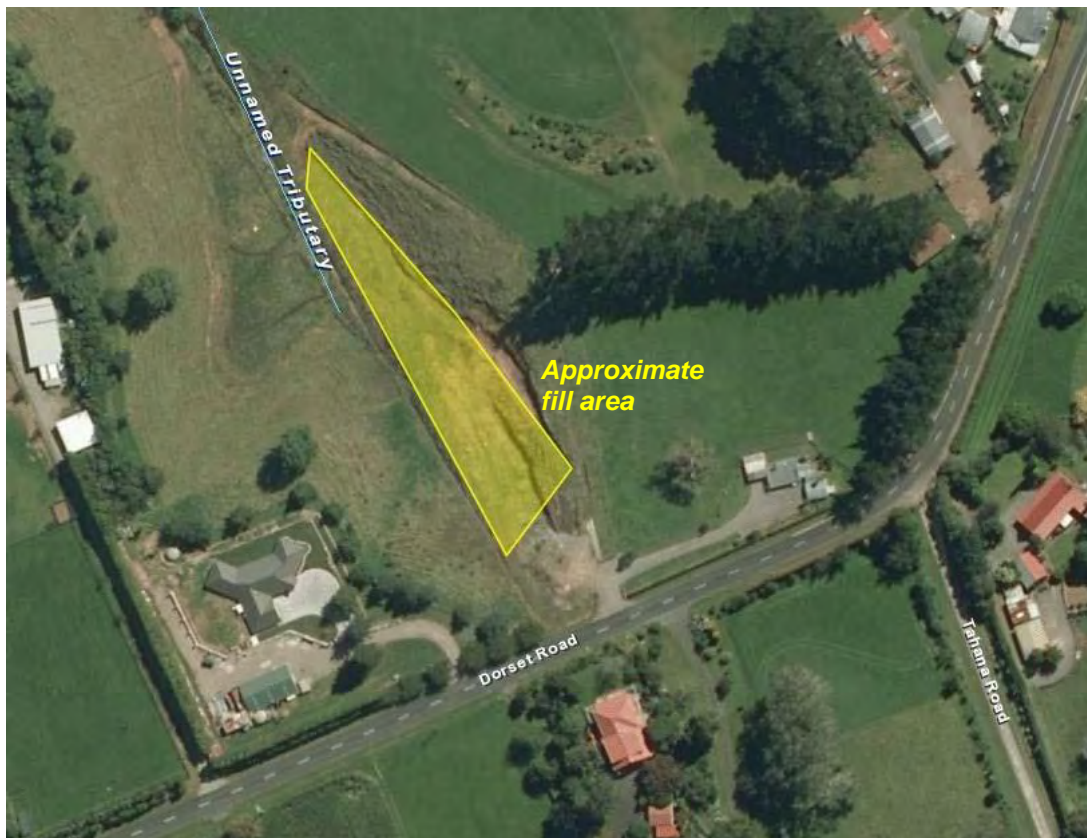


Figure 6 Downer EDI Works Limited cleanfill at Dorset Road, New Plymouth

6.2 Results

6.2.1 Inspections

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

12 August 2015

The gate was shut at the time of the inspection. It was noted that there had not been a lot of material disposed of at the site since the previous inspection. The materials consisted of clay, concrete, cured bitumen and dirt. It was noted that the site looked good and the site was compliant with consent conditions at the time of the inspection.

11 January 2016

The gate was shut at the time of the inspection. It was again found that only a small amount of material had been dumped since the previous inspection. The material consisted of two loads of cured bitumen and a little bit of dirt/gravel mix. It was considered that the site looked good and that there was a ring drain present along bottom of tip face to contain any silt and sediment. There was no odour, dust or ponding found at the time of inspection.

24 March 2016

The gate was shut at the time of the inspection. It was observed that there had been a few loads brought on to the site since the previous inspection. The materials dumped consisted of clay, dirt, cured bitumen and broken concrete. It was noted that the site looked good. There had been recent heavy rain and no odours, ponding or dust issues were found at the time of the inspection.

6.2.2 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, and so no water sampling was undertaken.

6.2.3 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).

In the 2015-2016 period, the Council was not required to undertake significant additional investigations and interventions, or record incidents, in association with the consent holder's conditions in resource consents or provisions in Regional Plans.

6.3 Discussion

6.3.1 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.

6.3.2 Environmental effects of exercise of consents

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

6.3.3 Evaluation of performance

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

Table 12 Summary of performance for Downer EDI Works Limited's (Dorset 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	Yes
6. No discharge of contaminants to water	Samples not collected during review period	N/A
7. Install specific or approved silt retention structures	Inspections	Yes
8. Site to be re-vegetated 6 months after discharges cease	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 1.1.4.

6.3.4 Recommendation from the 2014-2015 Annual Report

The 2014-2015 Annual Report recommended:

THAT monitoring of discharges from Dorset Fibre Farm's (now Downer's) cleanfill in 2015-2016 year continues at the same level as in 2014-2015.

This recommendation was implemented.

6.3.5 Alteration to the monitoring programme for 2016-2017

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

- the extent of information made available by previous authorities;
- its relevance under the RMA;
- its obligations to monitor discharges and their effects under the RMA; and
- to report to the regional community.

The Council also takes into account the scope of assessments required at the time of renewal of permits, and the need to maintain a sound understanding of industrial processes within Taranaki emitting to the atmosphere and discharging to the environment.

It is proposed that for 2016-2017, the programme remains unchanged.

6.4 Recommendation

THAT monitoring of discharges from Downer's Dorset Road cleanfill in 2016-2017 year continues at the same level as in 2015-2016.

7. Downer EDI Works Limited – Veale Road, New Plymouth

7.1 Site description and activities

Downer EDI Works Limited (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 the filling the area will be restored with topsoil and pasture grass.

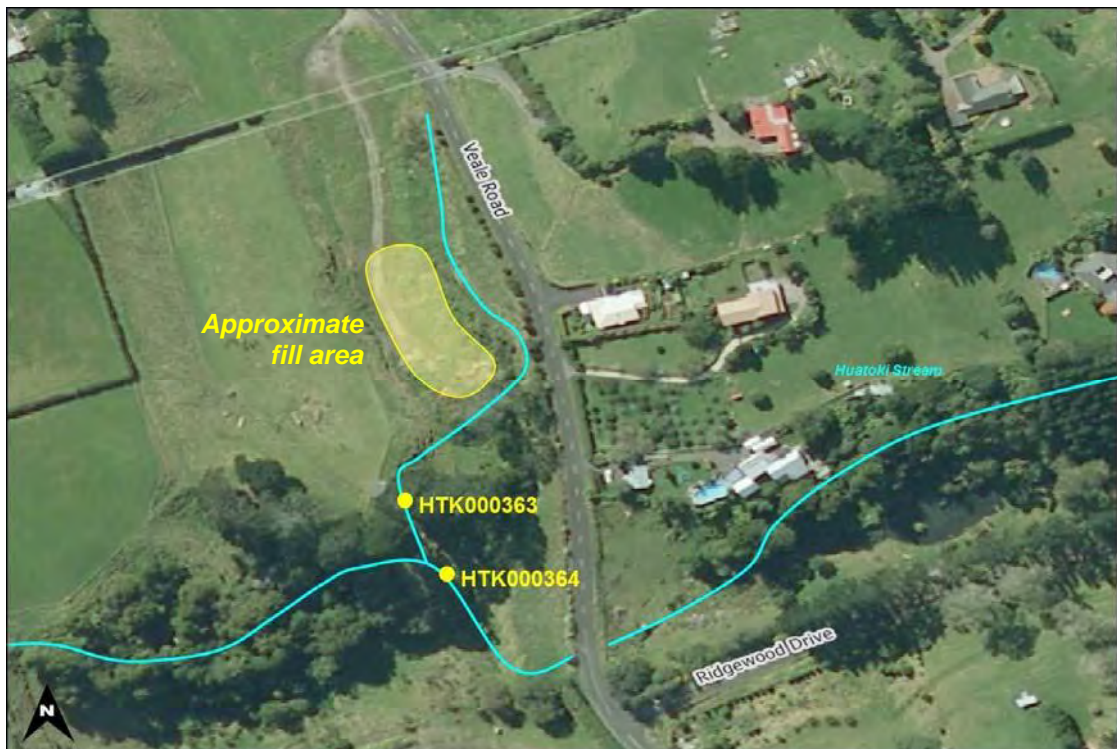


Figure 7 Downer EDI Works Limited's cleanfill and sampling sites at Veale Road, New Plymouth

7.2 Results

7.2.1 Inspections

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

11 January 2016

The gate was found to be locked at the time of the inspection. There was not a lot of material present that had been disposed of since the previous inspection. The materials consisted of three loads of cured bitumen, clay, dirt and a small pile of bricks. It was noted that the site looked good at the time of the inspection with no ponding, odours or dust issues found.

29 March 2016

The gate was found to be locked at the time of the inspection. There was not a lot of material present that had been disposed of since the previous inspection. There were

a few piles of broken and cured bitumen, clay and dirt. It was noted that the site looked good at the time of the inspection and the consent holder was informed that water samples were taken at this inspection.

14 September 2015

The gate was found to be locked at the time of the inspection. There was not a lot of material present that had been disposed of since the previous inspection. The materials consisted of bitumen, clay, dirt and a pile of tree stumps. It was noted that the site looked good at the time of the inspection with no ponding, odours or dust issues found.

7.2.2 Results of receiving environment monitoring

Water quality samples were taken from the tributary below the cleanfill. The results are shown in the table below and the sampling locations are shown in Figure 7.

Table 13 Chemical analysis of a tributary of the Huatoki Stream at Downer EDI Works Limited's cleanfill, Veale Road, New Plymouth

Parameter	Units	29 March 2016	
		HTK000363 u/s of cleanfill	HTK000364 80 d/s of cleanfill
Conductivity	mS/m	22.4	13.5
Unionised ammonia	g/m ³ -N	0.00064	0.00023
Ammoniacal nitrogen	g/m ³ -N	0.190	0.042
pH	pH	7.0	7.2
Temperature	°C	15.2	15.6

The pH, conductivity, and ammoniacal nitrogen concentrations measured in the tributary indicate that cleanfill is not leaching any significant amounts of contaminants into the environment. It was found that the ammoniacal nitrogen concentration downstream of the cleanfill was lower than at the upstream site. The unionised ammonia concentrations measured both upstream and downstream of the cleanfill were well below the 0.025 g/m³ guideline value given in the RFWP to protect aquatic ecosystems that maybe subjected to long term exposure.

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

7.2.3 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).

In the 2015-2016 period, the Council was not required to undertake significant additional investigations and interventions, or record incidents, in association with the consent holder'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 well managed during the period under review. There were no complaints made to the Council during the period under review and there were no odour or dust issues found at inspection.

7.3.2 Environmental effects of exercise of consents

No significant adverse effects on the environment were observed either via inspection or sample analysis.

7.3.3 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 Limited'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	Yes
5. No discharge of contaminants to water	Inspections and sampling	Yes
6. Install silt retention structures	Inspections	Yes

Purpose: To discharge cleanfill onto and into land		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
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 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 1.1.4.

7.3.4 Recommendation from the 2014-2015 Annual Report

In the 2014-2015 Annual Report, it was recommended:

THAT monitoring of discharges from Downer's Veale Road cleanfill in the 2015-2016 year continues at the same level as in 2014-2015.

This recommendation was implemented.

7.3.5 Alterations to the monitoring programme for 2016-2017

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

- the extent of information made available by previous authorities;
- its relevance under the RMA;
- its obligations to monitor discharges and their effects under the RMA; and
- to report to the regional community.

The Council also takes into account the scope of assessments required at the time of renewal of permits, and the need to maintain a sound understanding of industrial processes within Taranaki emitting to the atmosphere and discharging to the environment.

It is proposed that for 2016-2017, the programme remains unchanged.

7.4 Recommendation

THAT monitoring of discharges from Downer's Veale Road cleanfill in the 2016-2017 year continues at the same level as in 2015-2016.

8. Downer EDI Works Limited – South Road, Hawera

8.1 Site description and activities

Downer EDI Works Limited (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.



Figure 8 Downer EDI Works Limited cleanfill and sampling site at South Road, Hawera

8.2 Results

8.2.1 Inspections

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

16 December 2015

The site was found to be secure at the time of the inspection. There were large piles of broken concrete, cured bitumen, clay and dirt present. It was noted that the site looked good and there were no dust, odour or ponding issues found. The site was compliant at the time of the inspection.

16 May 2016

The gate was locked at the time of inspection. It was found that a lot of material had been disposed of since the previous inspection, and that the tip face had moved down the gully some distance. It was noted that the silt and sediment pond was working well. The visible materials disposed of consisted of clay, dirt, bitumen and metal (gravel). No dust, odour or ponding issues were found and the consent holder was informed that water samples had been taken at this inspection.

24 May 2016

The site was again found to be secure at the time of inspection. It was noted that a lot of clay, dirt and cured bitumen had been disposed of since the last inspection. It was reported that the site looked good and no ponding, odour or dust issues were found.

8.2.2 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 Limited's cleanfill, South Road, Hawera

Parameter	Units	16 May 2016
		TWH000498 (100 m downstream of cleanfill)
Conductivity	mS/m	36.6
Unionised ammonia	g/m ³ -N	0.00041
Ammoniacal nitrogen	g/m ³ -N	0.082
pH	pH	7.2
Temperature	°C	14.4

The unionised ammonia concentration measured downstream of the cleanfill 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. 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 upstream and 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. Council will continue to monitor the situation and will incorporate this monitoring, if required.

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

8.2.3 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).

In the 2015-2016 period, the Council was not required to undertake significant additional investigations and interventions, or record incidents, in association with the consent holder's conditions in resource consents or provisions in Regional Plans.

8.3 Discussion

8.3.1 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.

8.3.2 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. 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. If monitoring shows that there is a continuing increase in this parameter additional sampling will be recommended to investigate this further.

8.3.3 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 Limited'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	Yes
9. Install and maintain silt retention structures	Inspections	Yes
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	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 1.1.4.

8.3.4 Recommendations from the 2014-2015 Annual Report

In the 2014-2015 Annual Report, it was recommended:

THAT monitoring of discharges from Downer's South Road cleanfill in the 2015-2016 year continues at the same level as in 2014-2015.

THAT the option for a review of resource consent 6964-1 in June 2016, as set out in condition 14 of the consent, not be exercised, on the grounds that the current conditions are adequate to deal with any potential adverse effects.

These recommendations were implemented.

8.3.5 Alteration to the monitoring programme for 2016-2017

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

- the extent of information made available by previous authorities;
- its relevance under the RMA;
- its obligations to monitor discharges and their effects under the RMA; and
- to report to the regional community.

The Council also takes into account the scope of assessments required at the time of renewal of permits, and the need to maintain a sound understanding of industrial processes within Taranaki emitting to the atmosphere and discharging to the environment.

It is proposed that for 2016-2017, the programme remains unchanged.

8.4 Recommendation

THAT monitoring of discharges from Downer's South Road cleanfill in the 2016-2017 year continues at the same level as in 2015-2016.

9. Gas and Plumbing Limited – Colson Road, New Plymouth

9.1 Site description and activities

Earthworks Earthmoving Limited held consent 7165 -1 to discharge cleanfill to land. This consent was transferred to Gas and Plumbing Limited (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.

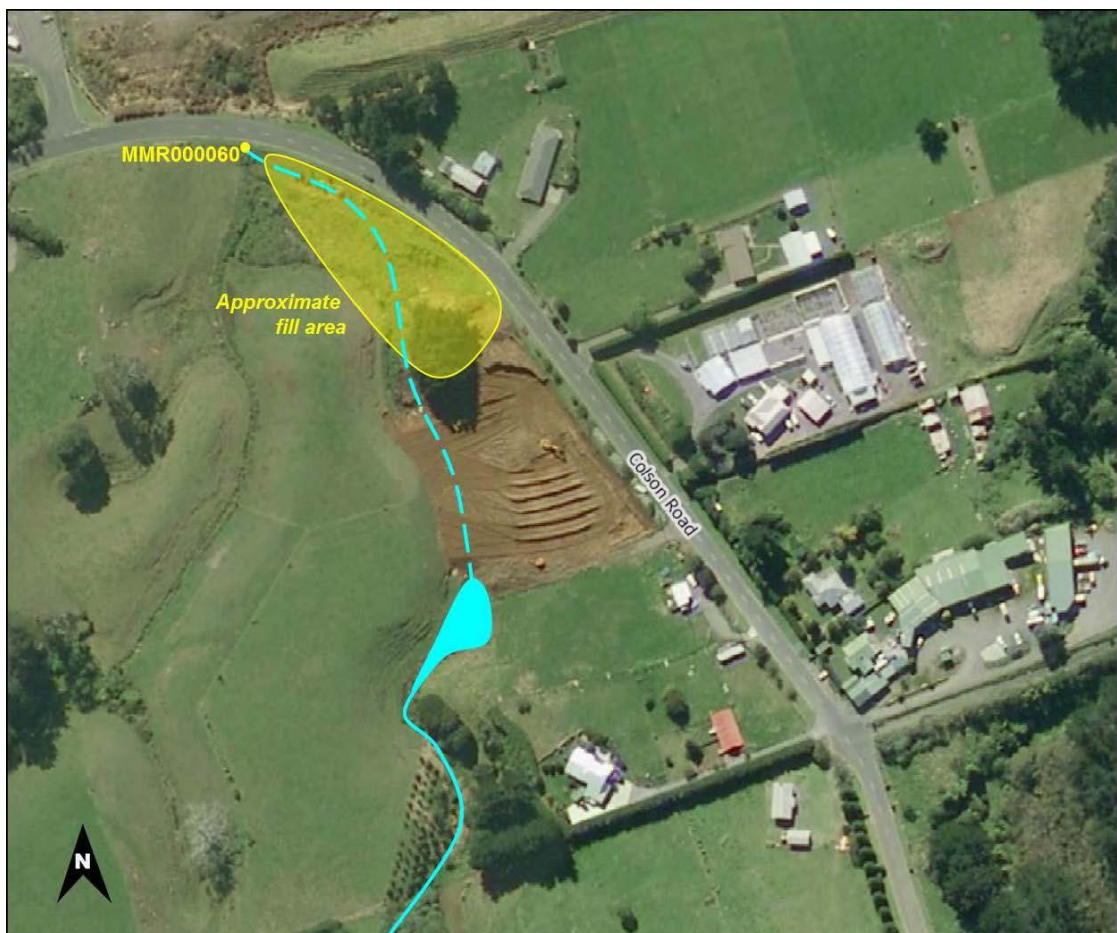


Figure 9 Gas and Plumbing Limited's cleanfill and sampling site at Colson Road, New Plymouth

9.2 Results

9.2.1 Inspections

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

11 January 2016

It was found that not a lot of material had been disposed of at the site since the last inspection. The materials present consisted of concrete, bitumen, rock, clay, dirt and sand. There were no ponding, odour or dust issues found at the time of inspection,

and the site was being managed in a satisfactory manner at the time of the inspection.

24 March 2016

It was found that not a lot of material had been disposed of at the site since the previous inspection. The materials present on site consisted of clay, dirt, broken concrete, cured bitumen and plastic pipe. It was noted that there had been heavy rain overnight and that the site looked good with no odour, ponding or dust issues found at the time of the inspection. The consent holder was informed that a water sample was collected at this inspection.

24 May 2016

Again it was found that not a lot of material had been disposed of at the site since the previous inspection. The materials present on site consisted of clay, dirt and concrete. The stormwater run off that filters down through long the grass towards the silt trap was discussed with staff. It was reported that, overall, the site looked good with no ponding, odours or dust issues found at the time of the inspection.

9.2.2 Receiving environment monitoring results

On 24 March 2016 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	mS/m	18.2
Unionised ammonia	g/m ³ -N	0.00026
Ammoniacal nitrogen	g/m ³ -N	0.071
pH	pH	6.9
Temperature	°C	19.3

The ammoniacal nitrogen concentration found on this occasion was the lowest recorded at this monitoring site. The unionised ammonia concentration downstream of the cleanfill 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. 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.

9.2.3 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).

In the 2015-2016 period, as far as the cleanfilling activities were concerned, the Council was not required to undertake significant additional investigations and interventions, or record incidents, in association with the consent holder's conditions in resource consents or provisions in Regional Plans.

9.3 Discussion

9.3.1 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.

9.3.2 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.

9.3.3 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 Mangaone 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

Purpose: To discharge cleanfill onto and into land in the vicinity of an unnamed tributary of the Mangaone Stream		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
4. If the acceptability of a substance is uncertain, obtain approval from the Council	No approval sought or required	Yes
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 1.1.4.

9.3.4 Recommendations from the 2014-2015 Annual Report

The 2014-2015 Annual Report recommended:

THAT monitoring of discharges from Gas and Plumbing's cleanfill in the 2015-2016 year continues at the same level as in 2014-2015.

This recommendation was implemented.

9.3.5 Alterations to the monitoring programme for 2016-2017

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

- the extent of information made available by previous authorities;
- its relevance under the RMA;
- its obligations to monitor discharges and their effects under the RMA; and
- to report to the regional community.

The Council also takes into account the scope of assessments required at the time of renewal of permits, and the need to maintain a sound understanding of industrial processes within Taranaki emitting to the atmosphere and discharging to the environment.

It is proposed that for 2016-2017, the programme remains unchanged.

9.4 Recommendation

THAT monitoring of discharges from Gas and Plumbing's cleanfill in the 2016-2017 year continues at the same level as in 2015-2016.

10. Graham Harris (2000) Limited – Egmont Road, New Plymouth

10.1 Site description and activities

Graham Harris (2000) Limited (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 waste in December 2005. The area being filled is a moderately large depression in the centre of a paddock, and is becoming Taranaki's largest cleanfill. The site has one entrance which is secured by a locked gate. Surface water interceptor drains have been installed around the designated fill area.



Figure 10 Graham Harris [2000] Limited's cleanfill at Egmont Road, New Plymouth

10.2 Results

10.2.1 Inspections

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

14 September 2015

The site was found to be secure at the time of inspection. It was noted that a large volume of material had been brought onto the site since the last inspection. The fill material consisted of clay, dirt, timber, concrete and tree stumps. The site was found

to be generally in a satisfactory condition, however the silt and sediment trap required cleaning. Arrangements were made for this to occur once the ground became dry enough for machinery to access the silt trap.

11 January 2016

The site was found to be secure at the time of inspection. It was noted that a large volume of material had been brought onto the site since the last inspection. The fill material consisted of clay, dirt, timber, concrete, tree stumps, plastic pipe and cured bitumen. The site was in a satisfactory condition with no ponding, odour or dust issues observed.

24 March 2016

At the time of inspection a bulldozer was being unloaded to level the site. A large volume of material consisting of clay, dirt and concrete had been brought onto the site since the last inspection. Staff on site advised that the pine trees at the site were to be removed soon. The site was in a satisfactory condition with no ponding, odour or dust issues noted.

10.2.2 Results of receiving environment monitoring

No water quality samples were taken during the monitoring period, as the site is well away from any water courses, and it is anticipated that water quality samples would only be obtainable in times of heavy rain.

However, as this site is becoming the largest cleanfill in Taranaki, it is recommended that there be a provision for sampling to be undertaken, if deemed necessary at the time of inspection.

10.2.3 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).

In the 2015-2016 period, the Council was not required to undertake significant additional investigations and interventions, or record incidents, in association with the consent holder's conditions in resource consents or provisions in Regional Plans.

10.3 Discussion

10.3.1 Discussion of site performance

The site was generally well managed throughout the monitoring period. Silt and sediment controls were installed, as required by condition 7 of the consent, after repeated requests from the Council in the previous monitoring year.

10.3.2 Environmental effects of exercise of consents

During inspections, no significant adverse effects on the environment were observed as a result of the cleanfill operation.

10.3.3 Evaluation of performance

A tabular summary of Graham Harris (2000) Limited's compliance record for the year under review is set out in the table below.

Table 19 Summary of performance for Graham Harris (2000) Limited'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	Consent holder asked to clean silt trap
2. Exercise consent in accordance with application	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. No discharge of contaminants to water	Inspections	Yes
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

Purpose: To discharge cleanfill onto and into land		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
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		Good
Overall assessment of administrative performance in respect of this consent		High

N/A = not applicable

During the year, Graham Harris demonstrated a good level of environmental performance and a high level of administrative performance with their resource consents as defined in Section 1.1.4.

10.3.4 Recommendations from the 2014-2015 Annual Report

The 2014-2015 Annual report recommended:

THAT monitoring of discharges from Graham Harris's cleanfill in the 2015-2016 year be amended from that of 2014-2015, by the inclusion of a provision for water sampling to be undertaken.

This recommendation was not fully implemented in the 2015-2016 monitoring year, but the option for water sampling has been programmed to occur in the 2016-2017 year.

10.3.5 Alterations to the monitoring programme for 2016-2017

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

- the extent of information made available by previous authorities;
- its relevance under the RMA;
- its obligations to monitor emissions and discharges and their effects under the RMA; and
- to report to the regional community.

The Council also takes into account the scope of assessments required at the time of renewal of permits, and the need to maintain a sound understanding of industrial processes within Taranaki emitting to the atmosphere and discharging to the environment.

It is proposed that for 2016-2017, the programme be amended to include water sampling.

10.4 Recommendation

THAT monitoring of discharges from Graham Harris's cleanfill in the 2016-2017 year be amended from that of 2015-2016, by the inclusion of water sampling.

11. JW & TC Bailey Limited – Saxton Road, New Plymouth

11.1 Site description and activities

JW & TC Bailey Limited (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 also 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 11 JW & TC Bailey Limited's cleanfill at Saxton Road, New Plymouth

11.2 Results

11.2.1 Inspections

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

11 January 2016

The inspection found the site to be clean and tidy. Fencing had been completed and re-grassing had occurred.

29 March 2016

The site was visited to take samples of the discharge and receiving waters. A small amount of iron oxide was noted in the discharge.

11.2.2 Results of discharge and receiving water monitoring

One discharge sample and three receiving environment samples were taken from the Te Henui Stream on 29 March 2016. The results of the chemical analyses of the samples are presented in the table below and the sampling locations are shown in Figure 11.

Table 20 Chemical analysis of discharge and the Te Henui Stream below JW & TC Bailey Limited's cleanfill, Saxton Road, New Plymouth

Parameter	Units	THN000380 (u/s of cleanfill trib)	THN000387 (cleanfill trib)	THN000389 (d/s of cleanfill trib)
Conductivity	mS/m	9.3	20.2	9.5
Unionised ammonia	g/m ³ -N	0.00019	0.00629	0.00019
Ammoniacal nitrogen	g/m ³ -N	0.012	1.18	0.012
pH	pH	7.7	7.2	7.7
Temperature	°C	14.8	15.3	14.8

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 cleanfill tributary had an elevated level of ammoniacal nitrogen and unionised ammonia, however the unionised ammonia concentrations measured downstream of the cleanfill were well below the 0.025 g/m³ guideline value given in the RFWP to protect aquatic ecosystems that maybe subjected to long term exposure.

11.2.3 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).

In the 2015-2016 period, the Council was not required to undertake significant additional investigations and interventions, or record incidents, in association with the consent holder's conditions in resource consents or provisions in Regional Plans.

11.3 Discussion

11.3.1 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.

11.3.2 Environmental effects of exercise of consents

No significant adverse effects were observed on water quality of the Te Henui Stream due to cleanfilling activities at the site, or noted as a result of the water sample analyses.

11.3.3 Evaluation of performance

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

Table 21 Summary of performance for JW & TC Bailey Limited'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

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?
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 22 Summary of performance for JW & TC Bailey Limited'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 1.1.4.

11.3.4 Recommendation from the 2014-2015 Annual Report

In the 2014-2015 Annual Report, it was recommended:

THAT the monitoring of discharges from Bailey's cleanfill in the 2015-2016 year remain unchanged from that of 2014-2015.

This recommendation was implemented.

11.3.5 Alterations to the monitoring programme for 2016-2017

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

- the extent of information made available by previous authorities;
- its relevance under the RMA;
- its obligations to monitor discharges and their effects under the RMA; and
- to report to the regional community.

The Council also takes into account the scope of assessments required at the time of renewal of permits, and the need to maintain a sound understanding of industrial processes within Taranaki emitting to the atmosphere and discharging to the environment.

It is proposed that for 2016-2017, the programme remains unchanged.

11.4 Recommendation

THAT the monitoring of discharges from Bailey's cleanfill in the 2016-2017 year remains unchanged from that of 2015-2016.

12. TPJ Partnership

12.1 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 12), which contains approximately 160 m of an unnamed tributary of the Inaha Stream.

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).

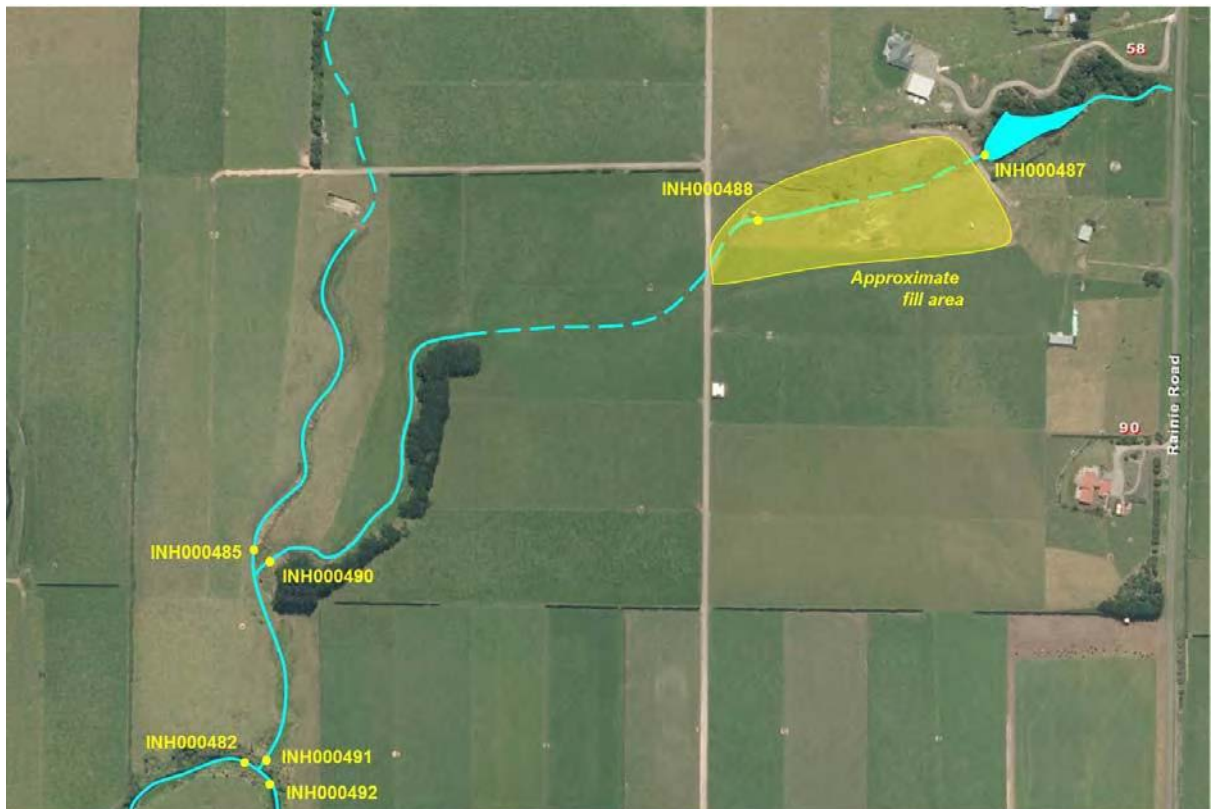


Figure 12 TPJ Partnership's cleanfill and sampling sites at Rainie Road, Hawera

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 undertaken without the necessary authorisation, in addition to the future piping of another 45 m section of the stream as shown in Figure 13. 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 3-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 3 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.

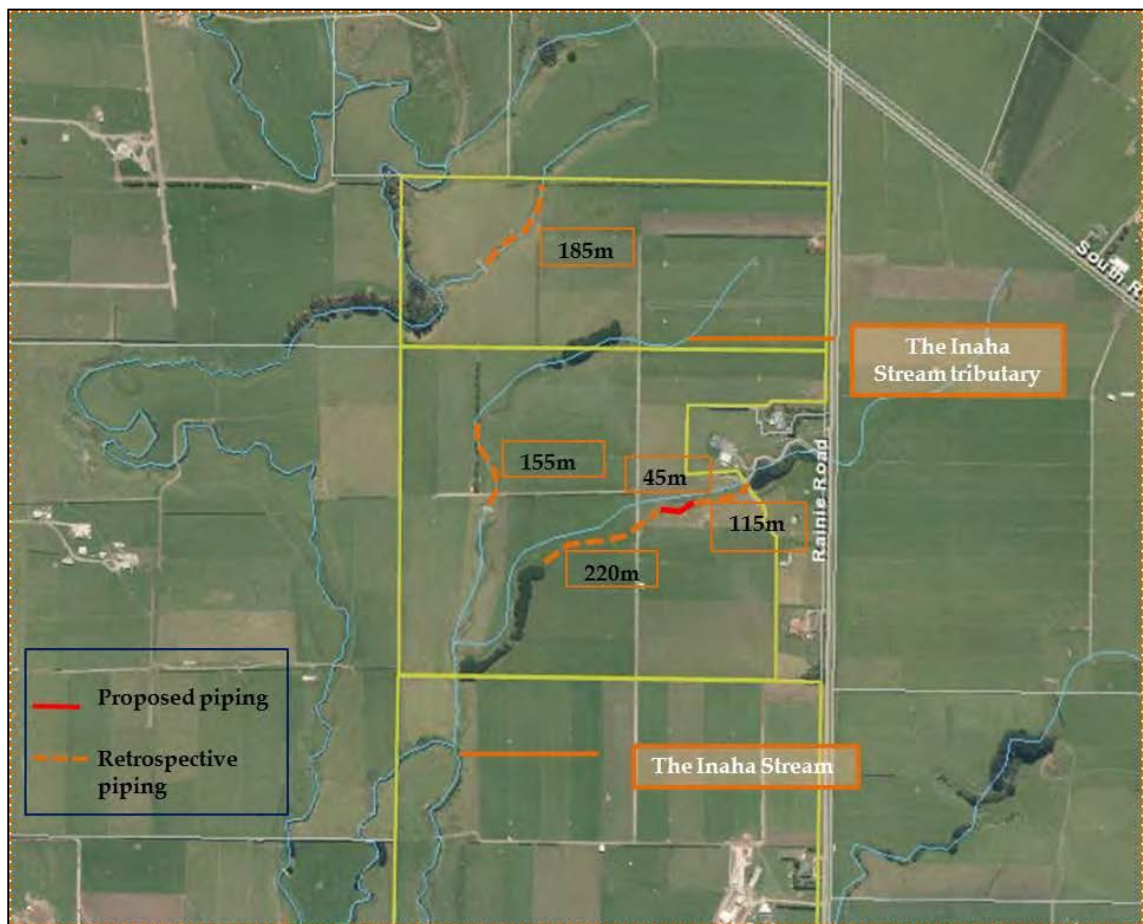


Figure 13 Map of TPJ Partnership retrospective and proposed piping – consent 10209

12.2 Results

12.2.1 Inspections

2 February 2016

It was found that the site was secure. Works to establish the site had taken place including a new metalled track to the tip face, installation of a large silt and sediment trap at the bottom of the site, and clearing and bunding of an area for the disposal of green waste. A culvert riser pipe had also been installed, around which the cleanfill material was to be placed. Discussions took place with the site contractor around the site set up. Overall it was found that the site was in good condition.

23 May 2016

It was found that material had recently been dumped at the site, consisting of clay, dirt, broken concrete, timber and tree stumps. A small pile of steel had been removed and placed to the side for appropriate off site disposal, but there was some wire netting present that needed to be removed from the tip face.

The green waste area was found to be clean and tidy with the exception of a few pieces of plastic that needed to be removed.

The stormwater from the tip face was contained and overall the site was found to generally be in a good condition. It was noted that a truck arrived at site as the inspecting officers were leaving.

12.2.2 Results of discharge and receiving water monitoring

No water quality samples were taken during the monitoring period, as the site is only recently established. However, as there is potential for contaminants from this cleanfill to enter the Inaha Stream, provision for receiving water sampling has been made for the 2016-2017 monitoring year and two sampling sites have been established with respect to the TPJ cleanfill. As TPJ Partnership is specifically for atypical cleanfill, initially an additional range of parameters will be monitored. The parameters to be monitored at this cleanfill are pH, conductivity, ammoniacal nitrogen, suspended solids, sulphate and total and dissolved arsenic, copper, lead, zinc.

12.2.3 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).

In the 2015-2016 period, the Council was not required to undertake significant additional investigations and interventions, or record incidents, in association with the consent holder's conditions in resource consents or provisions in Regional Plans.

12.3 Discussion

12.3.1 Discussion of site performance

The cleanfill area has been recently established, during the period under review. Efforts have been made to comply with best practice including the installation of silt and sediment controls.

12.3.2 Environmental effects of exercise of consents

During inspections, no significant adverse effects on the environment were observed as a result of the cleanfill operation.

12.3.3 Evaluation of performance

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

Table 23 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 7 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. Notify Council at least 2 days prior to any discharge on site	Review of Council records and inspections	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?
7. 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
8. Install and maintain stormwater diversion drains	Inspections	Yes
9. Minimise effects on water	Inspections	Yes
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 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

Table 24 Summary of performance for TPJ Partnership's culvert 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	Work not yet undertaken	N/A
3. Recontour to define secondary flow path	Inspections	Yes
4. Specifies dimensions of secondary flow path	Inspections	Yes
5. Specifies installation methods	Work not yet undertaken	N/A
6. Maintain pipe and secondary flow path to prevent blocking	Inspections	Yes

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?
7. Notify Council at least 2 days prior to work commencing	Review of Council records and inspections	N/A
8. Fencing and riparian planting by June 2017	Inspections	N/A
9. One-off payment to enhance wetland and stream habitat	Review of Council records	No – work not yet notified
10. Take all practicable steps to minimise increased sedimentation and turbidity during installation	Work not yet 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	Work not yet undertaken	Yes
13. Stop work upon discovery of archaeological remains	Inspection	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		High

N/A = not applicable

During the period under review, TPJ Partnership demonstrated a high level of environmental performance and a high level of administrative performance with their resource consents as defined in Section 1.1.4.

12.3.4 Alterations to the monitoring programme for 2016-2017

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

- the extent of information made available by previous authorities;
- its relevance under the RMA;
- its obligations to monitor emissions and discharges and their effects under the RMA; and
- to report to the regional community.

The Council also takes into account the scope of assessments required at the time of renewal of permits, and the need to maintain a sound understanding of industrial processes within Taranaki emitting to the atmosphere and discharging to the environment.

It is proposed that for 2016-2017, the full year programme includes water sampling and four inspections (only two inspections were undertaken in the 2015-2016 year as the consent was issued halfway through the monitoring period).

Provision has also been made for two further inspections and additional sampling if required, because of the atypical nature of the material being disposed of at this new cleanfill.

12.3.5 Exercise of optional review of consent

Resource consent 10202-1 provides for an optional review of the consent in June 2017. Condition 14 allows the Council to review the consent, if there are grounds that require adverse effects on the environment resulting from the exercise of the consent to be addressed.

Based on the results of monitoring in the year under review, it is considered that there are no grounds that require a review to be pursued or grounds to exercise the review option.

12.4 Recommendation

THAT monitoring of discharges from TPJ Partnership's cleanfill in the 2016-2017 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.

THAT the option for a review of resource consent 10202-1 in June 2017, as set out in condition 14 of the consent, not be exercised, on the grounds that the current conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent.

13. Taranaki Trucking Company Limited - Cardiff Road, Stratford

13.1 Site description and activities

Taranaki Trucking Company Limited (Taranaki Trucking) holds resource consents 5561-1, to 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.

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 has not been installed as yet, but as filling progresses the consent holder may install the consented culvert.

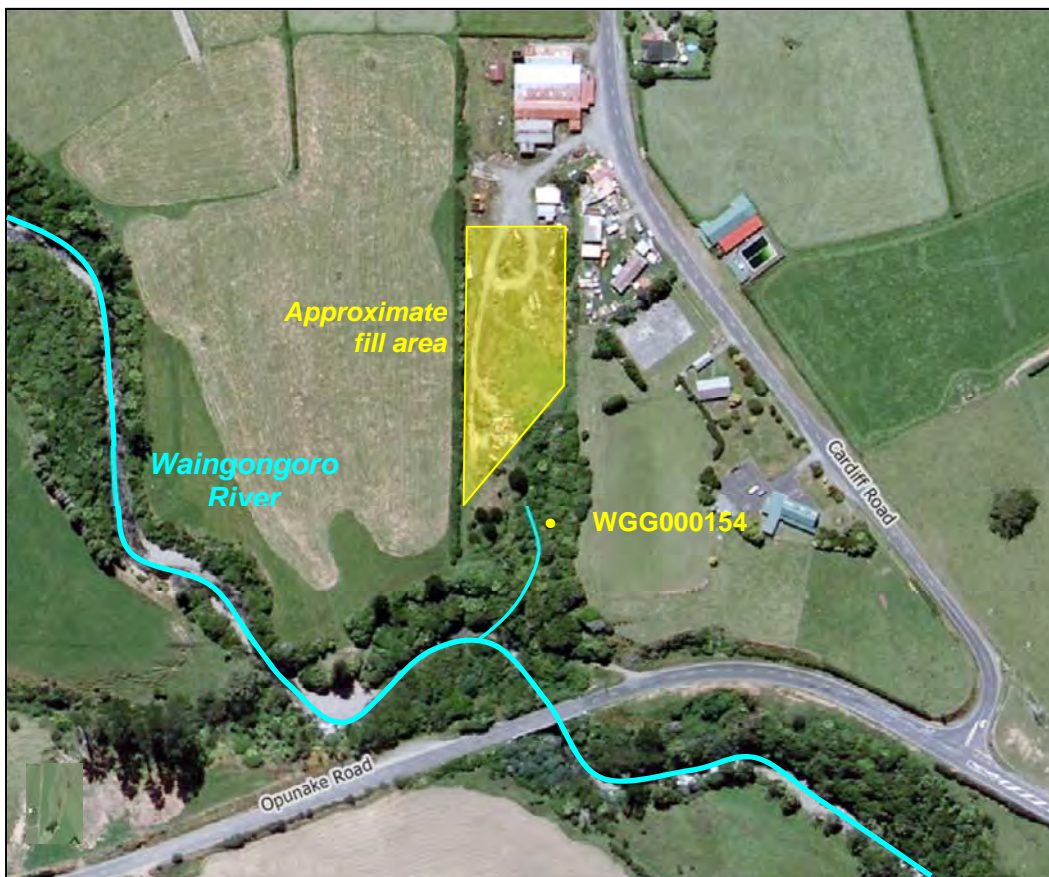


Figure 14 Taranaki Trucking Company Limited's cleanfill and sampling sites at Cardiff Road, Stratford

13.2 Results

13.2.1 Inspections

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

6 October 2015

The site was found to be in a satisfactory condition at the time of inspection. It was reported that there had been very little disposed of since the previous inspection. The consent holder was asked if they were sure that they wanted to keep the cleanfill open. No response was received and the consent remains in place.

17 May 2016

It was again noted that very little material had been disposed of since the previous inspection; only a truck load of concrete and plastic pipes. The site was found to be in a satisfactory condition with no ponding, dust or odour issues. A water sample was taken at the time of this inspection.

13.2.2 Results of receiving environment monitoring

A water quality sample was taken on 16 May 2016 at site WGG000154, which is below the toe of the cleanfill. The results are shown in the table below, and the location of the monitoring site is identified in Figure 14.

Table 25 Chemical analysis of a tributary of the Waingongoro River below Taranaki Trucking Company Limited's cleanfill, Cardiff Road, Stratford

Parameter	Units	WGG000154 (10m d/s of cleanfill)
Conductivity	mS/m	14.0
Unionised ammonia	g/m ³ -N	0.00011
Ammoniacal nitrogen	g/m ³ -N	0.051
pH	pH	6.9
Temperature	°C	12.6

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.

13.2.3 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).

In the 2015-2016 period, the Council was not required to undertake significant additional investigations and interventions, or record incidents, in association with the consent holder's conditions in resource consents or provisions in Regional Plans.

13.3 Discussion

13.3.1 Discussion of site performance

Inspections indicated that there was not much cleanfill activity at the site during the period under review. The site was found to be well managed on both monitoring occasions during the year under review.

13.3.2 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.

13.3.3 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 26 Summary of performance for Taranaki Trucking Company Limited'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	Yes
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

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?
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
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 Taranaki Trucking Company Limited'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	N/A	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

Purpose: <i>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</i>		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
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 1.1.4.

13.3.4 Recommendation from the 2014-2015 Annual Report

In the 2014-2015 Annual Report, it was recommended:

THAT monitoring of discharges from Taranaki Trucking's cleanfill in the 2015-2016 period continues at the same level as in the 2014-2015 period.

This recommendation was implemented.

13.3.5 Alterations to the monitoring programme for 2016-2017

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

- the extent of information made available by previous authorities;
- its relevance under the RMA;
- its obligations to monitor discharges and their effects under the RMA; and
- to report to the regional community.

The Council also takes into account the scope of assessments required at the time of renewal of permits, and the need to maintain a sound understanding of industrial processes within Taranaki emitting to the atmosphere and discharging to the environment.

It is proposed that for 2016-2017, the programme remains unchanged.

13.4 Recommendation

THAT monitoring of discharges from Taranaki Trucking's cleanfill in the 2016-2017 year continues at the same level as in the 2015-2016 period.

14. 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 monitoring of discharges from AA Contracting's cleanfill in the 2016-2017 period continues at the same level as in 2015-2016.
2. THAT monitoring of discharges from the George Family's cleanfill in the 2016-2017 period monitoring continues at the same level as in 2015-2016.
3. THAT monitoring of discharges from Riddick's cleanfill in the 2016-2017 year continues at the same level as in 2015-2016.
4. THAT monitoring of discharges from Bishop's cleanfill on Ahu Ahu Road in the 2016-2017 year continues at the same level as in 2015-2016.
5. THAT monitoring of discharges from Downer's Dorset Road cleanfill in 2016-2017 year continues at the same level as in 2015-2016.
6. THAT monitoring of discharges from Downer's Veale Road cleanfill in the 2016-2017 year continues at the same level as in 2015-2016.
7. THAT monitoring of discharges from Downer's South Road cleanfill in the 2016-2017 year continues at the same level as in 2015-2016.
8. THAT monitoring of discharges from Gas and Plumbing's cleanfill in the 2016-2017 year continues at the same level as in 2015-2016.
9. THAT monitoring of discharges from Graham Harris's cleanfill in the 2016-2017 year be amended from that of 2015-2016, by the inclusion of water sampling.
10. THAT the monitoring of discharges from Bailey's cleanfill in the 2016-2017 year remains unchanged from that of 2015-2016.
11. THAT the option for a review of resource consent 10202-1 in June 2017, as set out in condition 14 of the consent, not be exercised, on the grounds that the current conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent.
12. THAT the option for a review of resource consent 10202-1 in June 2017, as set out in condition 14 of the consent, not be exercised, on the grounds that the current conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent.
13. THAT monitoring of discharges from Taranaki Trucking's cleanfill in the 2016-2017 year continues at the same level as in the 2015-2016 period.

Glossary of common terms and abbreviations

The following abbreviations and terms may have been used within this report:

Conductivity g/m ³	An indication of the level of dissolved salts in a sample. Grammes per cubic metre, and equivalent to milligrammes per litre (mg/L). In water, this is also equivalent to parts per million (ppm), but the same does not apply to gaseous mixtures.
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.
mS/m	Millisiemens per metre.
National Bottom Line	80% species protection level: Starts impacting regularly on the 20 % most sensitive species (reduced survival of most sensitive species).

For further information on analytical methods, contact the Council's laboratory

Bibliography and references

- Taranaki Regional Council (1998): *E Riddick, J & C Bailey, T Dixon Cleanfills and New Plymouth District Council Urenui Domain Landfill Monitoring Programme Annual Report 1997-98*. Technical Report 98-65
- Taranaki Regional Council (1999): *E Riddick, J & C Bailey, T Dixon Cleanfills and New Plymouth District Council Urenui Domain Landfill Monitoring Programme Annual Report 1998-99*. Technical Report 99-65
- Taranaki Regional Council (2000): *E Riddick, J & C Bailey, T Dixon, Inframax Construction Limited, AA Contracting, F&J Carrington Cleanfills and New Plymouth District Council Urenui Domain Former Landfill Monitoring Programme Annual Report 1999-00*. Technical Report 00-56
- Australian and New Zealand Environment and Conservation Council (2000): *Australian and New Zealand Guidelines for Fresh and Marine Water Quality 2000*
- Taranaki Regional Council (2001): *E Riddick, J&C Bailey, T Dixon, Inframax Construction Limited, AA Contracting, F&J Carrington Cleanfills and the Urenui Domain Former Landfill Monitoring programme Annual Report 2000-2001*. Technical Report 2001-76
- Taranaki Regional Council (2002): *Cleanfill Management in Taranaki*
- Taranaki Regional Council (2002): *E Riddick, J&C Bailey, T Dixon, Inframax Construction Limited, AA Contracting, F&J Carrington Cleanfills Monitoring programme Annual Report 2001-2002*. Technical Report 2002-77
- Taranaki Regional Council (2003): *E Riddick, J&C Bailey, T Dixon, Inframax Construction Limited, AA Contracting, F&J Carrington Cleanfills Monitoring programme Annual Report 2002-2003*. Technical Report 2003-85
- Taranaki Regional Council (2004): *E Riddick, J&C Bailey, Graham Harris [2000] Limited, Inframax Construction Limited, AA Contracting, Works Infrastructure Limited, G Allen Limited, B&L Bishop Cleanfills Monitoring programme Annual Report 2003-2004*. Technical Report 2004-113
- Taranaki Regional Council (2005): *Cleanfill Monitoring Programme Annual Report 2004-2005*. Technical Report 2005-101
- Taranaki Regional Council (2007): *Cleanfill Monitoring Programme Annual Report 2005-2007*. Technical Report 2006-75
- Taranaki Regional Council (2008): *Cleanfill Monitoring Programme Annual Report 2007-2008*. Technical Report 2008-79
- Taranaki Regional Council (2010): *Cleanfill Monitoring Programme Annual Report 2008-2009*. Technical Report 2009-89

Taranaki Regional Council (2010): *Cleanfill Monitoring Programme Annual Report 2009-2010*.
Technical Report 2010-28

Taranaki Regional Council (2012): *Cleanfill Monitoring Programme Annual Report 2010-2011*.
Technical Report 2011-43

Taranaki Regional Council (2013): *Cleanfill Monitoring Programme Annual Report 2011-2012*.
Technical Report 2012-16

Taranaki Regional Council (2014): *Cleanfill Monitoring Programme Annual Report 2011-2012*.
Technical Report 2013-27

Taranaki Regional Council (2014): *Cleanfill Monitoring Programme Annual Report 2013-2014*.
Technical Report 2014-43

Taranaki Regional Council (2016): *Cleanfill Monitoring Programme Annual Report 2014-2015*.
Technical Report 2015-72

Appendix I

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

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

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

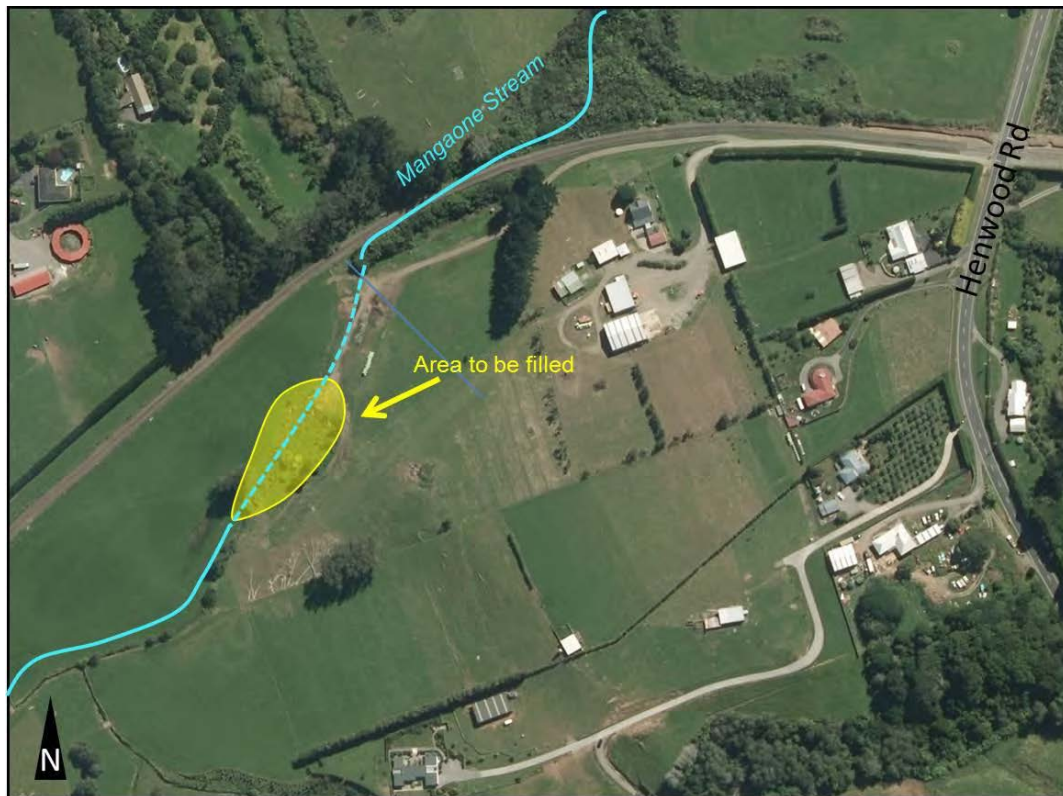


Figure 2 Area where the discharge of cleanfill is permitted.

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

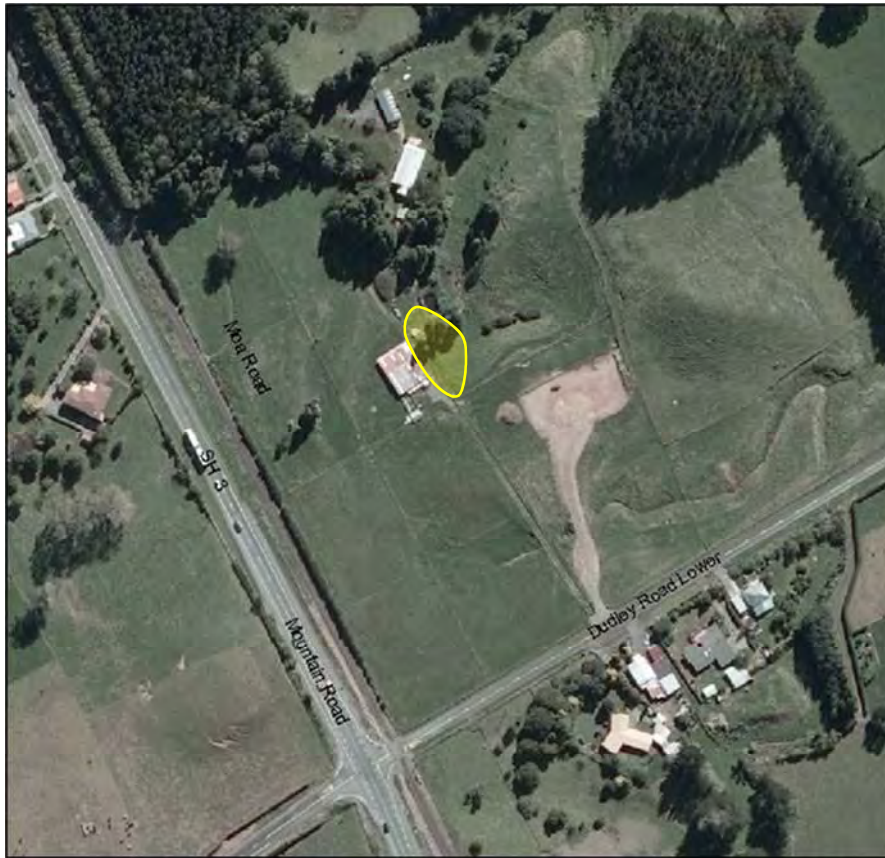


Figure 1 Plan showing area permitted to be filled

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

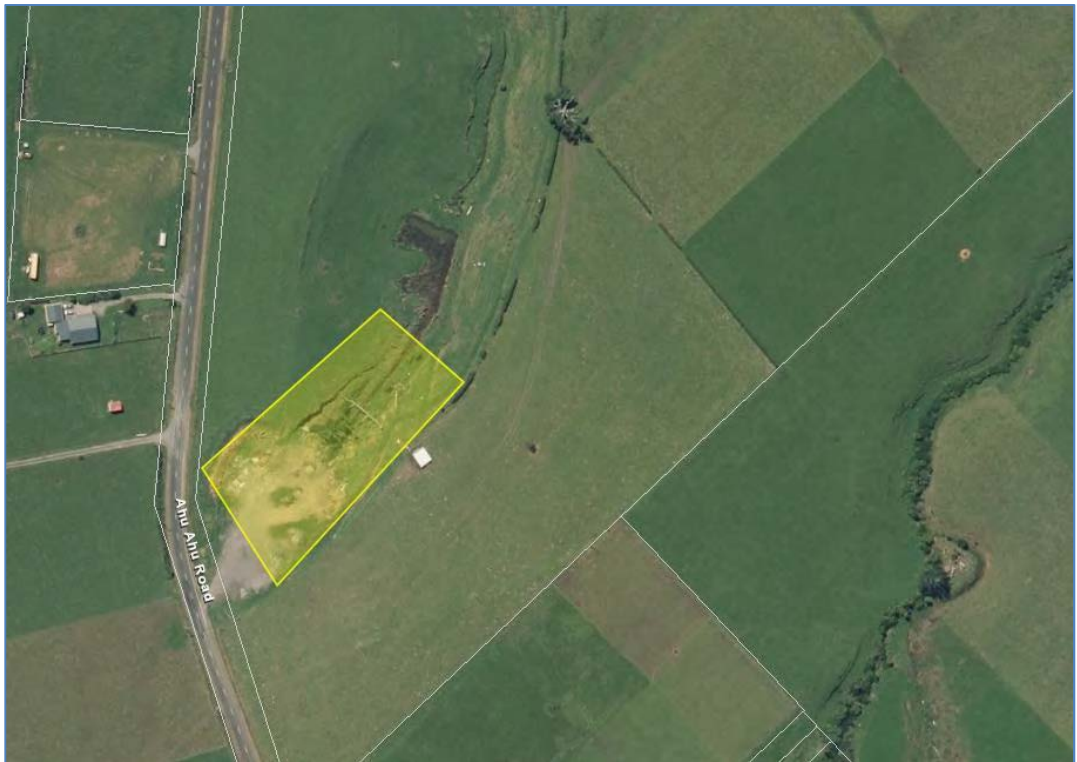


Figure 1 Area where the discharge of cleanfill is permitted.

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

Name of
Consent Holder: Dorset Fibre Farm
(John Frederick & Ingrid Pieternella Stanway)
180 Dorset Road
R D 2
NEW PLYMOUTH 4372

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 an unnamed tributary of the
Manganaha Stream, 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.

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.

Signed at Stratford on 6 May 2013

For and on behalf of
Taranaki Regional Council

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
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.

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: Works Infrastructure Limited
P Box 384
HAWERA

Consent Granted
Date: 11 October 2006

Conditions of Consent

Consent Granted: To discharge cleanfill onto and into land at or about
GR: Q21:231-769

Expiry Date: 1 June 2022

Review Date(s): June 2008, June 2010, June 2016

Site Location: 421 & 461A South Road, Hawera

Legal Description: Pt Sec 543 Patea Dist Blk X Hawera SD
Lot 2 DP 13805 Blk X Hawera SD
[Owner/Occupier: GJ & A Duffy, WP & BK Fleming]

Catchment: Tangahoe

Tributary: Tawhiti

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 undertaken generally in accordance with the documentation submitted in support of application 4367. In the case of any contradiction between the documentation submitted in support of application 4367 and the conditions of this consent, the conditions of this consent shall prevail.
- 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 solid 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 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, vegetative wastes other than tree stumps and roots, 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.

Consent 6964-1

6. 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.
7. The consent holder shall install and maintain silt retention structures to the satisfaction of the Chief Executive, Taranaki Regional Council.
8. The consent holder shall install and maintain stormwater diversion drains to the satisfaction of the Chief Executive, Taranaki Regional Council.
9. With three month 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.
10. 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.
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 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.

Signed at Stratford on 11 October 2006

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: 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

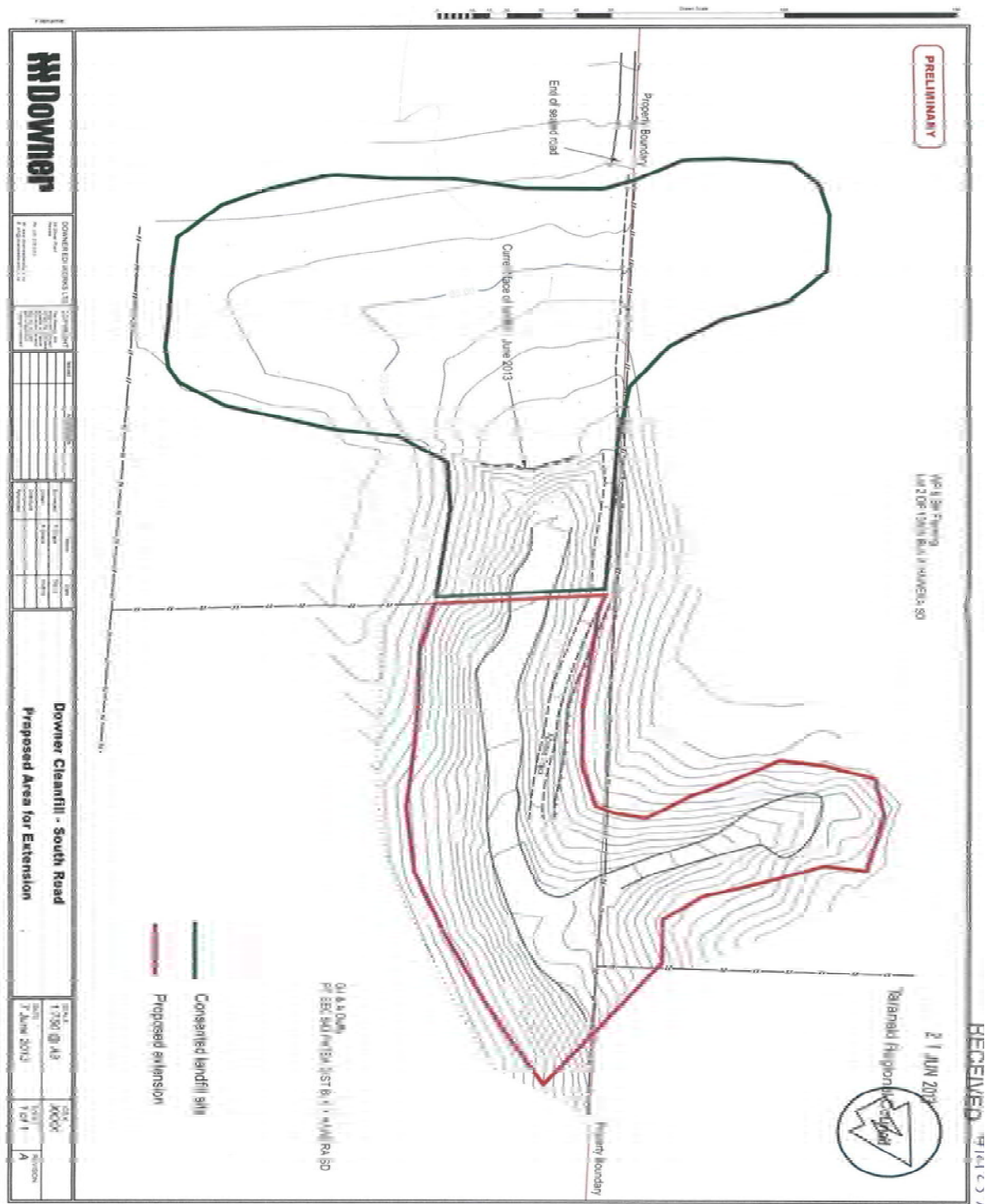


Figure 1 Plan of area permitted to be filled

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 (2000) Limited
 380 Junction Road
 R D 1
 NEW PLYMOUTH

Review Completed 27 August 2008 [Granted: 14 December 2005]
Date:

Conditions of Consent

Consent Granted: To discharge cleanfill onto and into land at or about
 (NZTM) 1698786E-5675339N

Expiry Date: 1 June 2020

Review Date(s): June 2014

Site Location: 341 Egmont Road, Hillsborough, New Plymouth

Legal Description: Lot 1 DP 381906 Blk VI Paritutu SD

Catchment: Waiwhakaiho

Tributary: Mangaone
 Mangaemiemi

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.

Consent 6771-1

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.

Consent 6771-1

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.

Signed at Stratford on 27 August 2008

For and on behalf of
Taranaki Regional Council

Chief Executive

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: 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 culvert an unnamed tributary of the Te Henui Stream for land improvement purposes associated with cleanfill activity 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

Consent 5824-2

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 consent shall be carried out in general accordance with the information submitted in support of the application.
- 2. The consent holder shall notify the Taranaki Regional Council in writing at least 48 hours prior to the commencement and upon completion of the initial construction 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 riverbed or discharges to water.
- 3. 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.
- 4. The consent holder shall maintain the culvert to the satisfaction of the Chief Executive, Taranaki Regional Council.
- 5. Silt retention structures shall be installed to the satisfaction of the Chief Executive, Taranaki Regional Council.
- 6. The consent holder shall ensure that the area and volume of the streambed disturbance shall, so far as is practicable, be minimised and any areas which are disturbed shall, so far as is practical, be reinstated.
- 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 structures authorised by this consent shall be removed and the area reinstated if and when the structures are no longer required. The consent holder shall notify the Taranaki Regional Council at least 48 hours prior to structures removal and reinstatement.

Consent 5824-2

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 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: 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

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 Road
 R D 21
 STRATFORD

Review Completed 20 February 2004 [Granted: 1 November 1999]
Date:

Conditions of Consent

Consent Granted: To discharge cleanfill 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

Consent 5561-1

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 consent shall be carried out in general accordance with the information submitted in support of the application.
- 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 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 containing green vegetation, 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.
- 6. Silt retention structures shall be installed and maintained to the satisfaction of the Chief Executive, Taranaki Regional Council.
- 7. 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.
- 8. Notwithstanding any conditions within this consent, 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 potential effect on the environment arising from any discharge at the site.
- 9. Upon completion of the works associated with the exercise of this consent, the discharge site covered by this consent shall be stabilised and revegetated to the satisfaction of the Chief Executive, Taranaki Regional Council.

Consent 5561-1

10. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2005 and 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: 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

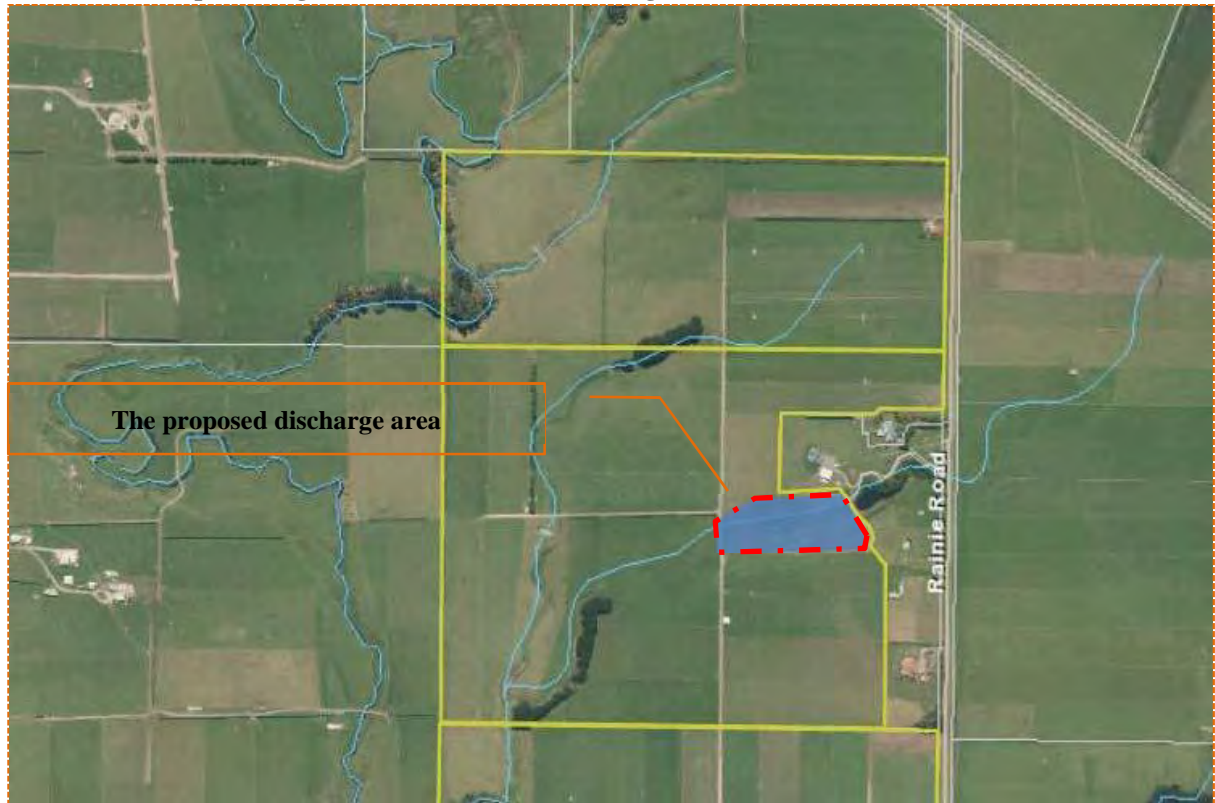
Advice Note (included at the request of DITAG)

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