

Regional Cleanfill
Monitoring Programme
Annual Report
2019-2020

Technical Report 2020-42

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Executive summary

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

This report for the period July 2019 to June 2020 describes the monitoring programme implemented by the Council to assess the environmental performance at each of these sites during the period under review. The report details the results of the monitoring undertaken and assesses the environmental effects of these cleanfilling activities.

Within this programme, the 12 consented cleanfill operations monitored hold a total of 16 resource consents, which include a total of 175 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, culverts and/or reclamation, and 11 consents to discharge cleanfill onto and into land.

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

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

An improvement was required in the environmental performance of Riddick, Downer (Veale Road) and TPJ.

The Council's monitoring programme included 33 inspections, with each site receiving either two or three scheduled inspections. The Council collected 15 water samples for physicochemical analysis during the 2019-2020 year.

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

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

During the year, George Family demonstrated a good level of environmental performance, however an improvement was required in their administrative performance with their resource consent and regional plan rules as defined in Section 1.1.5. Prohibited material had been discharged over the tip face on one occasion, which was removed promptly. The required financial contributions were still unpaid at the end of the year under review. At the time of writing the report, a payment schedule had been established and payments had commenced.

During the year, an improvement was required in Riddick's environmental and administrative performance with their resource consents as defined in Section 1.1.5. During the year under review contaminated materials from a subdivision development were discharged to the site and there were inadequate silt controls in place. Abatement and infringement notices were issued.

During the year, an improvement was required in Downer's level of environmental and administrative performance with their Veale Road resource consent as defined in Section 1.1.5. During the year an abatement notice was issued due to there being inadequate silt control at the site that allowed some silt and sediment to discharge over land into a nearby water body. Subsequent inspections found that the abatement notice was being complied with.

During the period under review, an improvement was required in TPJ's level of environmental and administrative performance as defined in Section 1.1.5. On one occasion unauthorised material from the Hawera High School was discharged at the site and inadequate silt controls were found, resulting in an abatement notice being issued requiring the consent holder to comply with the conditions of the consent. An infringement notice was subsequently issued. A review of Councils records also found that no prior notifications were received by Council of the disposal of materials found at the time of the two May inspections.

For reference, in the 2019-2020 year, consent holders were found to achieve a high level of environmental performance and compliance for 81% of the consents monitored through the Taranaki tailored monitoring programmes, while for another 17% of the consents, a good level of environmental performance and compliance was achieved.

This report includes recommendations for the 2020-2021 monitoring period including recommendations relating to optional reviews of consents 9680-1.1 and 10748-1 (George Family), and 10202-1.1 (TPJ).

Table of contents

		Page
1	Introduction	1
1.1	Compliance monitoring programme reports and the Resource Management Act 1991	1
1.1.1	Introduction	1
1.1.2	Structure of this report	1
1.1.3	The Resource Management Act 1991 and monitoring	1
1.1.4	Investigations, interventions, and incidents	2
1.1.5	Evaluation of environmental and administrative performance	2
1.2	Process description	4
1.2.1	Cleanfill material	4
1.2.2	Cleanfill site	4
1.3	Resource consents	4
1.4	Monitoring programme	9
1.4.1	Introduction	9
1.4.2	Programme liaison and management	9
1.4.3	Site inspections	9
1.4.4	Chemical sampling	9
2	AA Contracting Ltd – Henwood Road, New Plymouth	11
2.1	Site description and activities	11
2.2	Results	11
2.2.1	Inspections	11
2.2.2	Results of receiving environment monitoring	12
2.2.3	Investigations, interventions, and incidents	12
2.3	Discussion	12
2.3.1	Discussion of site performance	12
2.3.2	Environmental effects of exercise of consents	13
2.3.3	Evaluation of performance	13
2.3.4	Recommendations from the 2018-2019 Annual Report	15
2.3.5	Alteration to the monitoring programme for 2020-2021	15
2.4	Recommendations	16
3	A & A George Family Trust – Dudley Road, Inglewood	17
3.1	Site description and activities	17
3.2	Results	18

	3.2.1	Inspections	18
	3.2.2	Results of receiving environment monitoring	18
	3.2.3	Investigations, interventions, and incidents	19
3.3		Discussion	20
	3.3.1	Discussion of site performance	20
	3.3.2	Environmental effects of exercise of consents	20
	3.3.3	Evaluation of performance	20
	3.3.4	Recommendations from the 2018-2019 Annual Report	22
	3.3.5	Alteration to the monitoring programme for 2020-2021	22
	3.3.6	Exercise of optional review of consents	23
3.4		Recommendations	23
4		AE Riddick – Carrington Road, New Plymouth	24
	4.1	Site description and activities	24
	4.2	Results	24
	4.2.1	Inspections	25
	4.2.2	Results of receiving environment monitoring	25
	4.2.3	Investigations, interventions, and incidents	25
	4.3	Discussion	26
	4.3.1	Discussion of site performance	26
	4.3.2	Environmental effects of exercise of consents	26
	4.3.3	Evaluation of performance	26
	4.3.4	Recommendations from the 2018-2019 Annual Report	27
	4.3.5	Alterations to the monitoring programme for 2020-2021	28
	4.4	Recommendations	28
5		BJ & LB Bishop – Ahu Ahu Road, New Plymouth	29
	5.1	Site description and activities	29
	5.2	Results	30
	5.2.1	Inspections	30
	5.2.2	Results of receiving environment monitoring	30
	5.2.3	Investigations, interventions, and incidents	30
	5.3	Discussion	31
	5.3.1	Discussion of site performance	31
	5.3.2	Environmental effects of exercise of consents	31
	5.3.3	Recommendations from the 2018-2019 Annual Report	31
	5.3.4	Evaluation of performance	31

	5.3.5	Alterations to the monitoring programme for 2020-2021	33
	5.4	Recommendations	33
6		Dennis Wheeler Earthmoving Ltd – Paraitē Road, Bell Block	34
	6.1	Site description and activities	34
	6.2	Results	34
	6.2.1	Inspections	34
	6.2.2	Results of discharge and receiving environment monitoring	35
	6.2.3	Investigations, interventions, and incidents	35
	6.3	Discussion	35
	6.3.1	Discussion of site performance	35
	6.3.2	Environmental effects of exercise of consents	35
	6.3.3	Evaluation of performance	35
	6.3.4	Recommendations from the 2018-2019 Annual Report	36
	6.3.5	Alterations to the monitoring programme for 2020 – 2021	37
	6.4	Recommendations	37
7		Downer EDI Works Ltd – Dorset Road, New Plymouth	38
	7.1	Site description and activities	38
	7.2	Results	38
	7.2.1	Inspections	38
	7.2.2	Results of receiving environment monitoring	39
	7.2.3	Investigations, interventions, and incidents	39
	7.3	Discussion	39
	7.3.1	Discussion of site performance	39
	7.3.2	Environmental effects of exercise of consents	39
	7.3.3	Evaluation of performance	39
	7.3.4	Recommendations from the 2018-2019 Annual Report	40
	7.3.5	Alterations to the monitoring programme for 2020-2021	41
	7.4	Recommendations	41
8		Downer EDI Works Ltd – Veale Road, New Plymouth	42
	8.1	Site description and activities	42
	8.2	Results	42
	8.2.1	Inspections	42
	8.2.2	Results of receiving environment monitoring	43
	8.2.3	Investigations, interventions, and incidents	43
	8.3	Discussion	44

	8.3.1	Discussion of site performance	44
	8.3.2	Environmental effects of exercise of consents	44
	8.3.3	Evaluation of performance	44
	8.3.4	Recommendations from the 2018-2019 Annual Report	45
	8.3.5	Alterations to the monitoring programme for 2020-2021	45
	8.4	Recommendations	46
9		Downer EDI Works Ltd – South Road, Hawera	47
	9.1	Site description and activities	47
	9.2	Results	47
	9.2.1	Inspections	47
	9.2.2	Results of receiving environment monitoring	48
	9.2.3	Investigations, interventions, and incidents	49
	9.3	Discussion	49
	9.3.1	Discussion of site performance	49
	9.3.2	Environmental effects of exercise of consents	49
	9.3.3	Evaluation of performance	49
	9.3.4	Recommendations from the 2018-2019 Annual Report	50
	9.3.5	Alteration to the monitoring programme for 2020-2021	50
	9.4	Recommendations	51
10		Gas and Plumbing Ltd – Colson Road, New Plymouth	52
	10.1	Site description and activities	52
	10.2	Results	52
	10.2.1	Inspections	52
	10.2.2	Results of receiving environment monitoring	53
	10.2.3	Investigations, interventions, and incidents	53
	10.3	Discussion	53
	10.3.1	Discussion of site performance	53
	10.3.2	Environmental effects of exercise of consents	53
	10.3.3	Evaluation of performance	54
	10.3.4	Recommendations from the 2018-2019 Annual Report	54
	10.3.5	Alterations to the monitoring programme for 2020-2021	55
	10.4	Recommendations	55
11		JW & CT Bailey Ltd – Saxton Road, New Plymouth	56
	11.1	Site description and activities	56
	11.2	Results	57

	11.2.1	Inspections	57
	11.2.2	Results of discharge and receiving water monitoring	57
	11.2.3	Investigations, interventions, and incidents	58
11.3		Discussion	58
	11.3.1	Discussion of site performance	58
	11.3.2	Environmental effects of exercise of consents	58
	11.3.3	Evaluation of performance	58
	11.3.4	Recommendations from the 2018-2019 Annual Report	59
	11.3.5	Alterations to the monitoring programme for 2020-2021	60
11.4		Recommendations	60
12		TPJ Partnership – Rainie Road, Hawera	61
	12.1	Site description and activities	61
	12.2	Results	63
	12.2.1	Inspections	63
	12.2.2	Riparian planting	63
	12.2.3	Results of discharge and receiving water monitoring	63
	12.2.4	Investigations, interventions, and incidents	64
	12.3	Discussion	64
	12.3.1	Discussion of site performance	64
	12.3.2	Environmental effects of exercise of consents	65
	12.3.3	Evaluation of performance	65
	12.3.4	Recommendations from the 2018-2019 Annual Report	67
	12.3.5	Alterations to the monitoring programme for 2020-2021	67
	12.3.6	Exercise of optional review of consents	68
	12.4	Recommendations	68
13		Taranaki Trucking Company Ltd – Cardiff Road, Stratford	69
	13.1	Site description and activities	69
	13.2	Results	70
	13.2.1	Inspections	70
	13.2.2	Results of receiving environment monitoring	70
	13.2.3	Investigations, interventions, and incidents	70
	13.3	Discussion	70
	13.3.1	Discussion of site performance	70
	13.3.2	Environmental effects of exercise of consents	70
	13.3.3	Evaluation of performance	71

13.3.4	Recommendations from the 2018-2019 Annual Report	72
13.3.5	Alterations to the monitoring programme for 2020-2021	72
13.4	Recommendations	72
14	Summary of Recommendations	73
	Glossary of common terms and abbreviations	74
	Bibliography and references	75
Appendix I	Resource consents held by cleanfill owners and operators (alphabetical order)	
Appendix II	TPJ Partnership's land management plan	

List of tables

Table 1	Cleanfill related consents monitored under this programme during the period under review	6
Table 2	Number of samples collected and inspections conducted at each site	10
Table 3	Chemical analysis of a tributary of the Mangaone Stream at AA Contracting Ltd cleanfill, Henwood Road, Bell Block, New Plymouth, 10 March 2020	12
Table 4	Summary of performance for AA Contracting Ltd piping consent 5179-2	13
Table 5	Summary of performance for AA Contracting Ltd cleanfill consent 5180-2	14
Table 6	Chemical analysis of a tributary of the Kurepete Stream at A & A George Family Trust's cleanfill, Dudley Road, Inglewood, 11 March 2020	19
Table 7	A & A George Family Trust incidents, investigations, and interventions summary table	20
Table 8	Summary of performance for A & A George Family Trust's cleanfill consent 9680-1.1	20
Table 9	Summary of performance for A & A George Family Trust's cleanfill consent 10748-1.0	21
Table 10	Chemical analysis of an unnamed tributary of the Huatoki Stream below AE Riddick's cleanfill on 10 March 2020	25
Table 11	Incidents, investigations, and interventions summary table	26
Table 12	Summary of performance for AE Riddick's cleanfill consent 3977-4	26
Table 13	Results of water sample taken from BJ & LB Bishop's cleanfill 10 March 2020	30
Table 14	Summary of performance for BJ & LB Bishop's cleanfill consent 5877-2	31
Table 15	Summary of performance for BJ & LB Bishop's culvert consent 5888-2	32
Table 16	Summary of performance of consent for Dennis Wheeler Earthmoving Ltd cleanfill consent 10234-1.0	36
Table 17	Summary of performance for Downer EDI Works Ltd's Dorset Road cleanfill consent 9532-1	39
Table 18	Chemical analysis of a tributary of the Huatoki Stream at Downer EDI Works Ltd cleanfill, Veale Road, New Plymouth, 10 March 2020	43
Table 19	Downer (Veale Road) incidents, investigations, and interventions summary table	43

Table 20	Summary of performance for Downer EDI Works Ltd's Veale Road cleanfill consent 5213-2	44
Table 21	Chemical analysis of an unnamed tributary of the Tawhiti Stream at Downer EDI Works Ltd's cleanfill, South Road, Hawera, 11 March 2020	48
Table 22	Summary of performance for Downer EDI Works Ltd's (South Road) cleanfill consent 6964-1	49
Table 23	Chemical analysis of the Mangamiro Stream at Gas and Plumbing's cleanfill, Colson Road, New Plymouth on 10 March 2020	53
Table 24	Summary of performance for Gas and Plumbing's cleanfill consent 7165-1	54
Table 25	Chemical analysis of the Te Henui Stream above and below JW & CT Bailey Ltd's cleanfill, and cleanfill leachate, Saxton Road, New Plymouth, 10 March 2020	57
Table 26	Summary of performance for JW & CT Bailey Ltd's leachate consent 4999-3	58
Table 27	Summary of performance for JW & CT Bailey Ltd's culvert consent 5824-2	59
Table 28	Sampling results from the TPJ Partnership cleanfill's receiving waters, 4 March 2020	64
Table 29	TPJ Partnership's incidents, investigations, and interventions summary table	64
Table 30	Summary of performance for TPJ Partnership's cleanfill consent 10202-1	65
Table 31	Summary of performance for TPJ Partnership's culvert installation consent 10209-1.1	66
Table 32	Summary of performance for Taranaki Trucking Company Ltd's cleanfill consent 5561-1	71

List of figures

Figure 1	Regional map showing the locations of the cleanfills monitored under this programme during the year under review	5
Figure 2	AA Contracting Ltd cleanfill and sampling sites at Henwood Road, New Plymouth	11
Figure 3	A & A George Family Trust permitted cleanfill area at Dudley Road, Inglewood from 19 June 2019	17
Figure 4	AE Riddick's cleanfill and sampling site at Carrington Road, New Plymouth	24
Figure 5	BJ & LB Bishop's cleanfill sand sampling sites at Ahu Ahu Road, Oakura	29
Figure 6	Location of Dennis Wheeler Earthmoving cleanfill Paraita Road, Bell Block	34
Figure 7	Downer EDI Works Ltd cleanfill, Dorset Road, New Plymouth	38
Figure 8	Downer EDI Works Ltd's cleanfill and sampling sites, Veale Road, New Plymouth	42
Figure 9	Downer EDI Works Ltd cleanfill and sampling site, South Road, Hawera	47
Figure 10	Gas and Plumbing Ltd's cleanfill and sampling site at Colson Road, New Plymouth	52
Figure 11	JW & TC Bailey Ltd's cleanfill, Saxton Road, New Plymouth	56
Figure 12	TPJ Partnership's cleanfill and sampling sites at Rainie Road, Hawera	61
Figure 13	Map of TPJ Partnership retrospective and proposed piping	62
Figure 14	Taranaki Trucking Company Ltd's cleanfill and sampling sites at Cardiff Road, Stratford	69

List of photos

Photo 1	Section of stream to be piped (taken from the end of the proposed pipe), 8 May 2019	19
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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 2019 to June 2020 by the Taranaki Regional Council (the Council) on a combined monitoring programme associated with resource consents held by cleanfill consent holders. Cleanfill consent holders operated at various locations throughout the Taranaki region as listed in Table 1. There are additional site specific programmes for other cleanfill sites linked to quarrying activities, which are reported on separately.

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

One of the intents of the *Resource Management Act 1991* (RMA) is that environmental management should be integrated across all media, so that a consent holder's use of water, air, and land should be considered from a single comprehensive environmental perspective. Accordingly, the Council generally implements integrated environmental monitoring programmes and reports the results of the programmes jointly. This report discusses the environmental effects of cleanfill consent holders' use of water, land and air, and is the 15th combined report by the Council for cleanfills in the region.

1.1.2 Structure of this report

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

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

Section 2-13 present the results for each cleanfill site, discuss their significance for the environment and make recommendations for the 2019-2020 monitoring year.

Section 14 summarises the recommendations to be implemented in the 2020-2021 monitoring year.

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

1.1.3 The Resource Management Act 1991 and monitoring

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

- a. the neighbourhood or the wider community around an activity, and may include cultural and social-economic effects;
- b. physical effects on the locality, including landscape, amenity and visual effects;
- c. ecosystems, including effects on plants, animals, or habitats, whether aquatic or terrestrial;
- d. natural and physical resources having special significance (for example recreational, cultural, or aesthetic); and

- e. risks to the neighbourhood or environment.

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

1.1.4 Investigations, interventions, and incidents

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

The Council operates and maintains a register of all complaints or reported and discovered excursions from acceptable limits and practices, including non-compliance with consents, which may damage the environment. The incident register includes events where the Company concerned has itself notified the Council. The register contains details of any investigation and corrective action taken.

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

1.1.5 Evaluation of environmental and administrative performance

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

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

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

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

Environmental Performance

High: No or inconsequential (short-term duration, less than minor in severity) breaches of consent or regional plan parameters resulting from the activity; no adverse effects of significance noted or likely in the receiving environment. The Council did not record any verified unauthorised incidents involving 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 during investigations of incidents reported to the Council by a third party 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 during investigations of incidents reported to the Council by a third party. 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 during investigations of incidents reported to the Council by a third party. Cumulative adverse effects of a persistent moderate non-compliant activity could elevate an 'improvement required' issue to this level. Typically there were grounds for either a prosecution or an infringement notice in respect of effects.

Administrative performance

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

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

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

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

For reference, in the 2019-2020 year, consent holders were found to achieve a high level of environmental performance and compliance for 81% of the consents monitored through the Taranaki tailored monitoring programmes, while for another 17% of the consents, a good level of environmental performance and compliance was achieved.¹

¹ The Council has used these compliance grading criteria for 15 years. They align closely with the 4 compliance grades in the MfE Best Practice Guidelines for Compliance, Monitoring and Enforcement, 2018

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 25 consented cleanfills, 12 of which are covered in this report under the combined cleanfill monitoring programme. The other 13 cleanfills are reported on separately, are inactive or are small short term activities monitored on an as required basis.

1.3 Resource consents

The resource consents held for the cleanfills monitored under this programme during the year under review are summarised in Table 1, with the locations shown in Figure 1. A summary of the various consent types issued by the Council is included in Appendix I, as are copies of all permits held by the Company during the period under review.

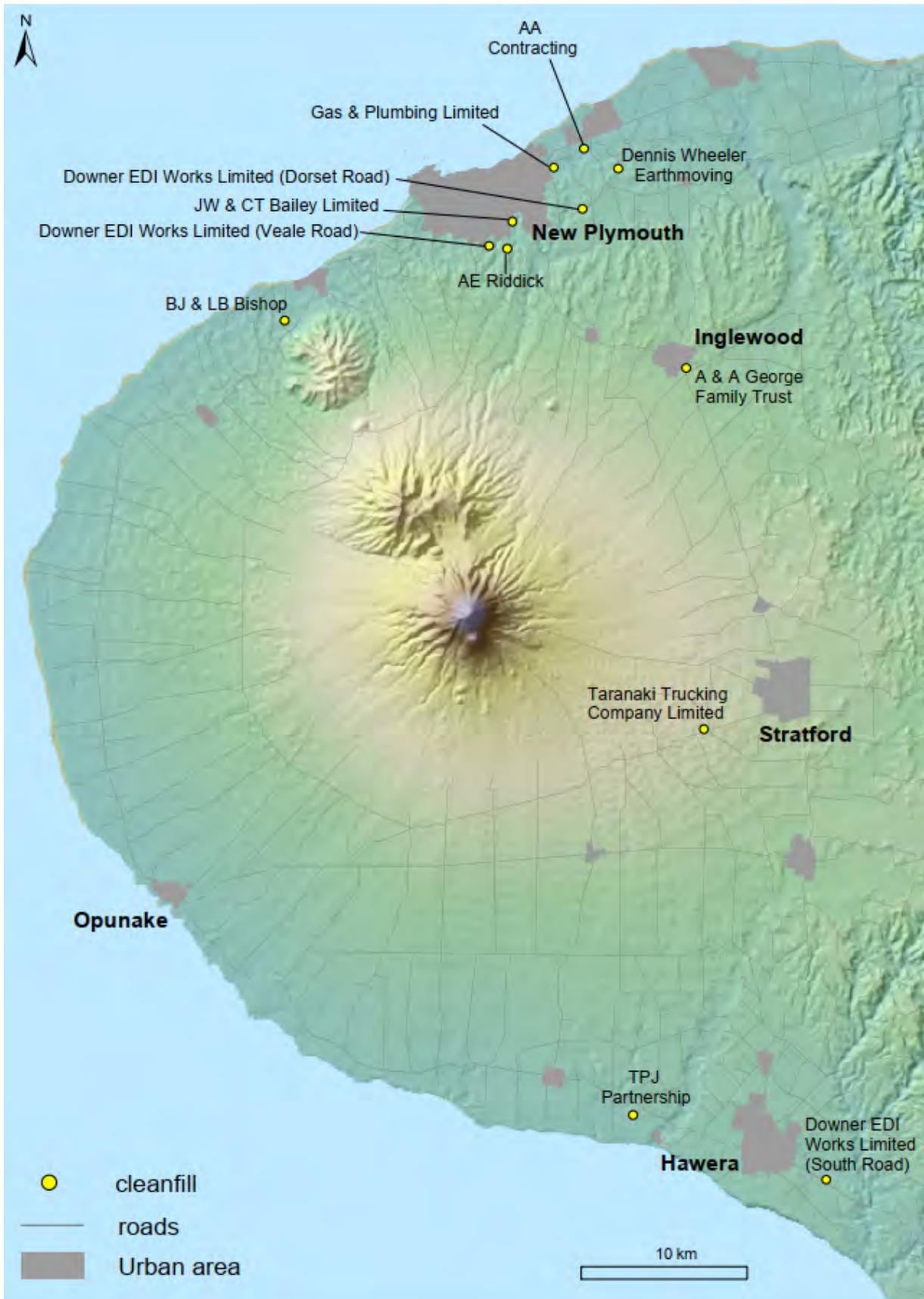


Figure 1 Regional map showing the locations of the cleanfills monitored under this programme during the year under review

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

Consent Holder	Resource consent	Purpose	Consent Type ²	Granted	Next Review	Expiry	Location	Water body
AA Contracting Ltd	5179-2	To install piping, associated with cleanfill discharge activities, in the Mangaone Stream, including associated streambed disturbance and reclamation	Land use permit	31 Oct 2014	June 2026	1 Jun 2032	Henwood Road, New Plymouth	Mangaone Stream (Waiwhakaiho catchment)
	5180-2	To discharge cleanfill onto and into land	Discharge to land	31 Oct 2014	June 2026	1 Jun 2032		
A & A George Family Trust	9680-1.1	To discharge cleanfill onto and into land, where contaminants may enter an unnamed tributary of the Kurapete Stream	Discharge to land	19 Jun 2019	June 2021	1 Jun 2027	Dudley Road, Inglewood	Manganui and Kurapete Streams (Waitara catchment)
	10748-1.0	To install piping in a section of an unnamed tributary of the Kurapete Stream, including associated stream bed disturbance and reclamation				1 Jun 2033		
AE Riddick [Formerly held by EE Riddick]	3977-4	To discharge cleanfill onto and into land	Discharge to land	15 Dec 2014	June 2026	1 Jun 2032	Carrington Road, New Plymouth	Huatoki Stream (Huatoki catchment)
BJ & LB Bishop	5888-2	To reclaim a stream by ongoing use of existing piping in the headwaters of an unnamed tributary of the Waimoku Stream for cleanfilling activities	Land use	14 Jun 2019	June 2025	1 Jun 2037	Ahu Ahu Road, Oakura	Waimoku Stream (Waimoku catchment)
	5877-2	To discharge cleanfill onto and into land	Discharge to land	4 Apr 2013	June 2025	1 Jun 2031		
Dennis Wheeler Earthmoving Ltd	10234-1	To discharge cleanfill onto and into land	Discharge to land	8 Mar 2016	June 2026	1 Jun 2032	Paraita Road, Bell Block	Unnamed Tributary of the Mangati Stream (Mangati catchment)

² Discharge to land = Discharge of wastes to land; Discharge to water = Water discharge permit

Consent Holder	Resource consent	Purpose	Consent Type ²	Granted	Next Review	Expiry	Location	Water body
Downer EDI Works Ltd	9532-1	To discharge cleanfill onto and into land, where contaminants may enter an unnamed tributary of the Manganaha Stream, including associated stream bed reclamation	Discharge to land	6 May 2013	June 2026	1 Jun 2032	Dorset Road, New Plymouth	Manganaha Stream (Waiwhakaiho catchment)
Downer EDI Works Ltd	5213-2	To discharge cleanfill onto and into land	Discharge to land	13 May 2014	June 2026	1 Jun 2032	Veale Road, New Plymouth	Huatoki Stream (Huatoki catchment)
Downer EDI Works Ltd	6964-1	To discharge cleanfill onto and into land	Discharge to land	19 Jul 2013	-	1 Jun 2022	South Road, Hawera	Tangahoe Stream (Tangahoe catchment)
Gas & Plumbing Ltd	7165-1	To discharge cleanfill onto and into land in the vicinity of an unnamed tributary of the Mangaone Stream	Discharge to land	12 Oct 2007	-	1 Jun 2026	Colson Rd, New Plymouth	Mangaone Stream (Waiwhakaiho catchment)
JW & CT Bailey Ltd	5824-2	To culvert an unnamed tributary of the Te Henui Stream for land improvement purposes associated with cleanfill activity	Land use	8 Dec 2003	-	1 Jun 2020	Saxton Road, New Plymouth	Te Henui Stream (Te Henui catchment)
	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	Discharge to water	8 Dec 2003	-	1 Jun 2020		
Taranaki Trucking Company Ltd	6280-1	To erect, place and maintain a culvert in the headwaters of an unnamed tributary of the Waingongoro River to prevent cleanfill contamination of the stream	Land use	20 Feb 2004	-	Lapsed	Cardiff Road, Stratford	Waingongoro River (Waingongoro catchment)
	5561-1	To discharge cleanfill onto land in the vicinity of an unnamed tributary of the Waingongoro River	Discharge to land	1 Nov 1999	-	1 Jun 2017 S124 protection		

Consent Holder	Resource consent	Purpose	Consent Type ²	Granted	Next Review	Expiry	Location	Water body
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	Discharge to land	26 Jan 2016	June 2021	1 Jun 2035	Rainie Road, Hawera	Inaha Stream (Inaha catchment)
	10209-1.1	To install piping in unnamed tributaries of the Inaha Stream, including associated streambed disturbance and reclamation	Land use	12 Jun 2019 (commencement of variation)	June 2023	1 Jun 2035		

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;
- discussion over monitoring requirements;
- preparation for any consent reviews, renewals or new consent applications;
- advice on the Council's environmental management strategies and content of regional plans; and
- consultation on associated matters.

1.4.3 Site inspections

During the 2019-2020 period, 33 site inspections were carried out. A summary of the number of inspections carried out at each cleanfill site from the monitoring period is shown in Table 2.

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

1.4.4 Chemical sampling

The Council undertook sampling of discharges from cleanfill sites and the receiving environment, where possible and appropriate. During the monitoring period the Council collected 15 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 2019-2020 is also shown in Table 2.

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

Site	Inspections	Water samples
AA Contracting	3	2
George Family	3	2
Riddick	3	1
Bishop	3	2
Dennis Wheeler Earthmoving	3	-
Downer (Dorset Road)	3	-
Downer (Veale Road)	3	2
Downer (South Road)	3	1
Gas and Plumbing	3	1
Bailey	1	3
Taranaki Trucking	2	-
TPJ	3	1
Total	33	15

2 AA Contracting Ltd – Henwood Road, New Plymouth

2.1 Site description and activities

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

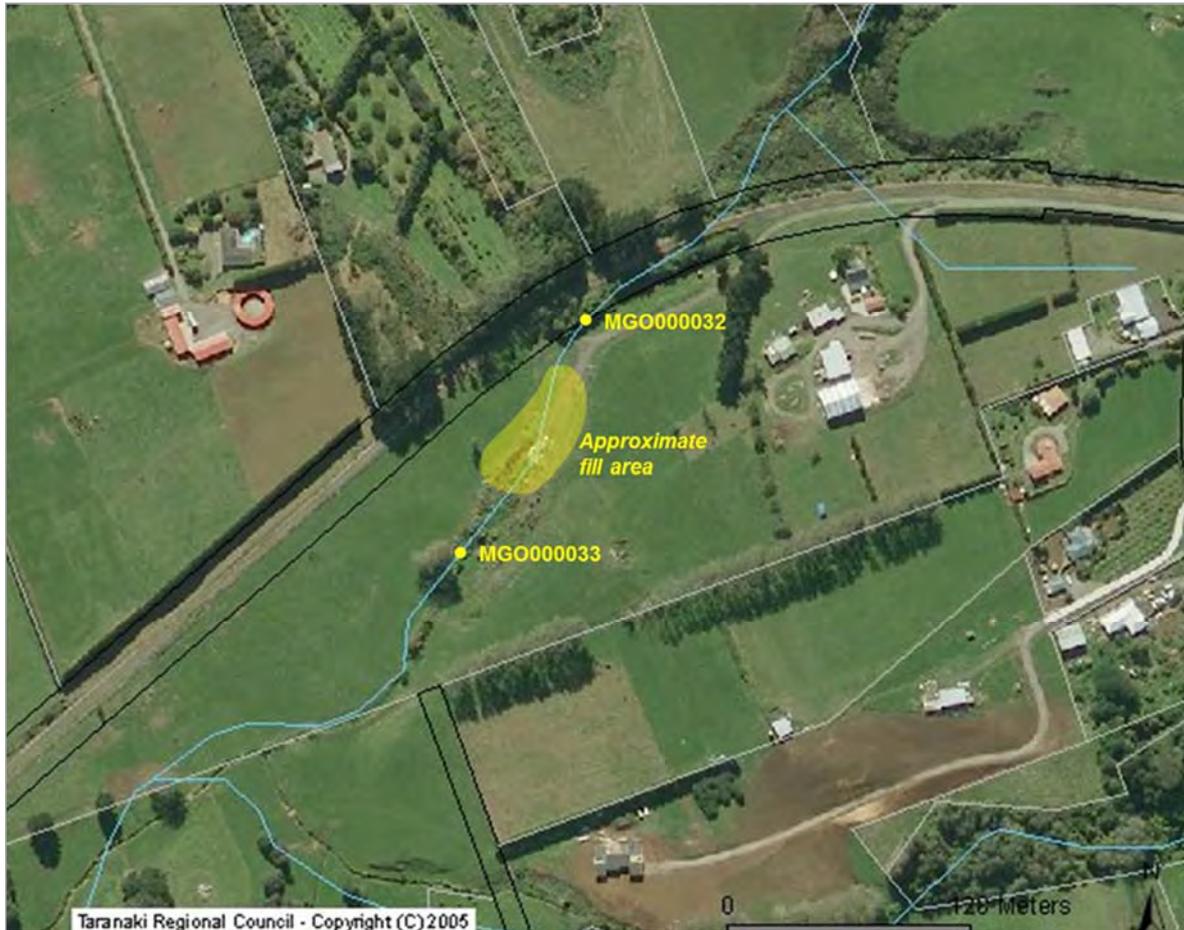


Figure 2 AA Contracting Ltd cleanfill and sampling sites at Henwood Road, New Plymouth

2.2 Results

2.2.1 Inspections

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

6 December 2019

At the time of inspection it was found that there had been little activity at the site since the previous inspection. There were a few recent loads of mainly soil and shingle present. It was noted that a few pieces of treated timber had turned up on the site. It was a minor amount and had not been discharged to the tip face at the time of inspection. The consent holder was asked to monitor material off loaded at the site to ensure compliance with consent conditions. No other issues were noted and the site was reported as operating within consent conditions at the time of inspection. There was clear unimpeded flow through the culvert and no sediment issues were found.

10 March 2020

There were no odours or dust at the time of the inspection. The tip face consisted of mostly soil with concrete, bricks, and some stumps and permitted woody vegetation. No treated timber was observed on site at this inspection. There was a large amount of water in the swale, with the face of the cleanfill directly into the water. There was no discharge to the stream at the time of the inspection. The amount of water was unusual for the site and it was noted that Council would continue to monitor this. Samples were collected from upstream and downstream, with the final compliance rating pending sample results (Section 2.2.2).

8 May 2020

It was found that the site was secure on arrival, with the gates locked. There was no evidence of recent activity at the site. As with the last inspection there was a large amount of water in the swale with the toe of the face of the cleanfill directly in the water. There was no discharge from the swale to the stream at the time of inspection. The site was well vegetated and stable and there were no odours or dust issues found. There was clear unimpeded flow through the culvert.

2.2.2 Results of receiving environment monitoring

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

Table 3 Chemical analysis of a tributary of the Mangaone Stream at AA Contracting Ltd cleanfill, Henwood Road, Bell Block, New Plymouth, 10 March 2020

Parameter	Units	MGO000032 (u/s of cleanfill)	MGO000033 (d/s of cleanfill)
Conductivity @25°C	mS/m	18.1	19.3
Unionised ammonia	g/m ³	0.00022	0.00051
Ammoniacal nitrogen	g/m ³ -N	0.044	0.117
pH	pH	7.1	7.0
Temperature	°C	17.3	17.1

The ammoniacal nitrogen concentration measured in the tributary indicate that cleanfill may be leaching minor amounts of contaminants into the environment. Ammoniacal nitrogen, and to a lesser extent conductivity, concentrations both increased downstream of cleanfill compared to the upstream site. The raised levels of contaminants in the tributary can be considered minor, and it is unlikely to result in adverse effects on the environment. The calculated unionised ammonia concentration was well below the 0.025 g/m³ guideline given in the Regional Freshwater Plan to protect from chronic effects.

2.2.3 Investigations, interventions, and incidents

In the 2019-2020 period, the Council was not required to undertake significant additional investigations and interventions, or record incidents, in association with AA Contracting Ltd conditions in resource consents or provisions in Regional Plans.

2.3 Discussion

2.3.1 Discussion of site performance

The site was found to be well managed during the monitoring period. A small amount of treated timber was found at the site on one occasion. However, this had not been discharged to the fill area, and there was no treated timber present on site at the subsequent inspections.

2.3.2 Environmental effects of exercise of consents

Conductivity, ammoniacal nitrogen 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 any adverse effects on the receiving waters.

2.3.3 Evaluation of performance

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

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

Purpose: To install piping, associated with cleanfill discharge activities, in the Mangaone Stream, including associated streambed disturbance and reclamation		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
1. Purpose of consent	Inspections	Yes
2. Limit on fill height above pipe	Inspections	Yes
3. Depth of invert below streambed level	Inspections	Yes
4. Re-contouring to ensure secondary flow path	Inspections	Yes
5. Dimensions of alternate flow path	Inspections	Yes
6. Maintenance of piping and surface inlets to allow free flow of water	Inspections	Yes
7. Secondary flow path not to be blocked	Inspections	Yes
8. Installation of spat rope to provide for fish passage	Inspections	Yes
9. Notification prior to works	Review of Council records	Yes
10. Consent holder to request riparian plan	Riparian plan in place for property	Yes
11. Fencing and riparian plan to be completed by June 2016	Inspections	Yes
12. One-off payment to help remedy and mitigate adverse effects of consent. Payable within three months of commencement of work	Review of Council records. Payment received December 2016	N/A
13. Consent holder to take reasonable steps to minimise sediment in stream	Inspections	Yes

Purpose: To install piping, associated with cleanfill discharge activities, in the Mangaone Stream, including associated streambed disturbance and reclamation		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
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
17. Optional review provision re environmental effects	Option for review June 2026	N/A
Overall assessment of environmental performance in respect of this consent		High
Overall assessment of administrative performance in respect of this consent		High

N/A = not applicable

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

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

Purpose: To discharge cleanfill onto and into land		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
11. Review condition	Option for review in June 2026	N/A
Overall assessment of environmental performance in respect of this consent		High
Overall assessment of administrative performance in respect of this consent		High

N/A = not applicable

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

2.3.4 Recommendations from the 2018-2019 Annual Report

1. THAT in the first instance, monitoring of discharges from AA Contracting's cleanfill in the 2019-2020 period continues at the same level as in 2018-2019.
2. THAT should there be issues with environmental or administrative performance in 2019-2020, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.
3. THAT the option for a review of resource consents 5179-2 in June 2020, as set out in condition 17 of the consent, not be exercised, on the grounds that the conditions on the consent are adequate to deal with any adverse effects on the environment arising from the exercise of the resource consent.
4. THAT consideration be given to exercising the option for a review of resource consent 5180-2 in June 2020, as set out in condition 11 of the consent, on the grounds that the conditions on the consent may not be adequate to deal with any potential adverse effects on the environment arising from the exercise of the resource consent, as indicated by WasteMINZ Guidelines that were not available at the time the application was considered.

Recommendations 1, 3 and 4 were implemented and it was not necessary to implement recommendation 2.

In terms of recommendation 4, during Council's considerations, it was found that further changes to the Guidelines were being developed and therefore it was not appropriate to review the consent at this time.

2.3.5 Alteration to the monitoring programme for 2020-2021

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

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

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

It is proposed that for 2020-2021, the programme remains unchanged.

It should be noted that the proposed programme represents a reasonable and risk-based level of monitoring for the site in question. The Council reserves the right to subsequently adjust the programme from that initially prepared, should the need arise if potential or actual non-compliance is determined at any time during 2020-2021.

2.4 Recommendations

1. THAT in the first instance, monitoring of discharges from AA Contracting's cleanfill in the 2020-2021 period continues at the same level as in 2019-2020.
2. THAT should there be issues with environmental or administrative performance in 2020-2021, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

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

3.1 Site description and activities

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

The applicant previously held consent 7675 to discharge cleanfill onto and into land. This cleanfill area had been fully reinstated and this consent was surrendered on 1 May 2012.

Consent 9680-1 was then obtained in September 2013 to undertake further works and to fill a depression on the property with cleanfill. The cleanfill area provided for under consent 9680-1.0 had been filled and the land reinstated. Since consent 9680-1 was granted the George Family had undertaken additional works that were not covered under the consent. The George Family successfully sought to retrospectively change consent 9680-1 to extend the area of the cleanfill site to include both the unconsented cleanfill areas and further areas proposed to be used as a cleanfill.



Figure 3 A & A George Family Trust permitted cleanfill area at Dudley Road, Inglewood from 19 June 2019

As part of the cleanfill extension the George Family also successfully sought retrospective consent for piping already completed and consent to undertake further piping of the unnamed tributary of the Kurapete Stream. The application information detailed that two sections of the unnamed tributary of the Kurapete Stream had already been piped, with approximately 12 m of piping having been undertaken by the previous landowner. This piping was then extended by 18 m by the applicant in 2018. Therefore, new consent 10748-1.0 was granted to allow 30 m of existing piping and 65 m of proposed piping.

3.2 Results

3.2.1 Inspections

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

10 December 2019

It was found that there were good silt and sediment controls in place on the site. Recent disposals included mostly soils, broken concrete and some tree stumps. Nothing unacceptable was noted and there were no other issues noted during the inspection.

11 March 2020

The front area of paddock (by the driveway/road) appeared to be mostly completed and levelled, although this area had not yet been grassed. Some retaining was being constructed along the driveway. Around the back area the piping had been mostly completed and the area filled over, with the tip face almost down to the old stock crossing. No odours or dust were noted in the area. The fill was mostly soil, concrete, stumps and trunks. A small amount of prohibited material was noted; in particular a pile of wood including some unacceptable painted and tanalised timber, soft plastic, and some fresh vegetation. The consent holder was reminded that only tree stumps and roots were allowed under the consent. Samples were collected downstream at the pipe outlet (approximately 10 m and 50 m downstream of the current tip face). The stream flow was low and mainly clear with iron oxide on the bed and a small amount of foaming around the pipe discharge. The consent holder was instructed to remove prohibited items from the cleanfill face for appropriate disposal. This was registered as an unauthorised discharge and is summarised in Section 3.2.3.

12 May 2020

The gates to the site were unlocked at the time of arrival at the site. There were no discharges to land occurring at the time of inspection. The site appeared to be in very good condition and well maintained, with the unacceptable materials found at the previous inspection no longer present. The consent holder was contacted regarding a small amount of reinforcing rod that needed to be removed from site. The inspecting officer was informed that the digger was due back in shortly and the material would be removed then. There were good silt control in place and there were no issues with dust or odour.

3.2.2 Results of receiving environment monitoring

As the original permitted cleanfill discharge area was not near an exposed water body, there had been no routine water sampling programmed for this cleanfill and no water discharges were noted from the site during inspections. However the varied consent extending the permitted cleanfill area also included additional piping (Photo 1), receiving water sampling has been added to the programme in the year under review. There are also provisions for the discharge to be sampled if there are concerns about the quality of any discharges occurring at the time of the inspections.



Photo 1 Section of stream to be piped (taken from the end of the proposed pipe), 8 May 2019

Table 6 Chemical analysis of a tributary of the Kurepete Stream at A & A George Family Trust's cleanfill, Dudley Road, Inglewood, 11 March 2020

Parameter	Units	10 m d/s cleanfill	50 m d/s of cleanfill
Conductivity @25°C	mS/m	21.6	27.5
Unionised ammonia	g/m ³	0.0039	0.0067
Ammoniacal nitrogen	g/m ³ -N	2.6	2.1
pH	pH	6.7	6.9
Temperature	°C	15.3	16.6

The conductivities recorded are typical of small tributaries at this elevation, and the ammoniacal nitrogen concentrations at this level are not unusual in rural catchments. The slight downstream decrease does indicate that there may be low levels of this contaminant leaching from the discharged materials. The resultant levels of unionised ammonia were well below the 0.025 g/m³ guideline for the protection of aquatic ecosystems, and overall, the results from the analyses indicate that the cleanfill's presence is having little, if any, effect on water quality in tributary of the Kurepete Stream.

3.2.3 Investigations, interventions, and incidents

Table 7 below sets out details of any incidents recorded, additional investigations, or interventions required by the Council in relation to the George Family's cleanfilling activities during the 2019-2020 period. This table presents details of all events that required further investigation or intervention regardless of whether these were found to be compliant or not.

Table 7 A & A George Family Trust incidents, investigations, and interventions summary table

Date	Details	Compliant (Y/N)	Enforcement Action Taken?	Outcome
11 Mar 2020	Discharge of prohibited material	N	The consent holder was instructed to remove the unauthorised materials	A further inspection found that the unauthorised materials had been removed

3.3 Discussion

3.3.1 Discussion of site performance

The site was generally found to be well managed during the period under review. However, the consent holder had discharged a small amount of prohibited material over the tip face. The consent holder was instructed to remove this material, and this was no longer present at the following inspection.

3.3.2 Environmental effects of exercise of consents

No significant adverse effects on the environment were observed during inspections. Conductivity, ammoniacal nitrogen 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 any adverse effects on the receiving waters.

3.3.3 Evaluation of performance

A tabular summary of George Family's compliance record for the period under review is set out in Table 8 and Table 9.

Table 8 Summary of performance for A & A George Family Trust's cleanfill consent 9680-1.1

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	Inspection	Yes
2. Only discharge cleanfill and/or inert materials	Inspection	Prohibited material discharged on one occasion. This was removed promptly.
3. No discharge of prohibited materials listed in the consent	Inspection	Prohibited material discharged on one occasion. This was removed promptly.
4. If the acceptability of a substance is uncertain, obtain approval from the Council	No approvals sought	N/A
5. No direct discharge of contaminants to water	Inspection and sampling	Yes
6. Install silt retention structures	Inspection and sampling	Yes

Purpose: To discharge cleanfill onto and into land		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
7. Maintain drains, ponds and contours on site to minimise entering the cleanfill site	Inspection	Yes
8. Adopt best practice	Inspection and sampling	Prohibited material discharged on one occasion. This was removed promptly.
9. Upon completion the discharge site shall be stabilised and re-vegetated	Inspection. Site still active. Some areas stabilised	N/A
10. Optional review provision re environmental effects	Next option for review in June 2021	N/A
Overall assessment of environmental performance in respect of this consent		Good
Overall assessment of administrative performance in respect of this consent		Good

N/A = not applicable

Table 9 Summary of performance for A & A George Family Trust's cleanfill consent 10748-1.0

Purpose: To install piping in a section of an unnamed tributary of the Kurapete Stream including associated stream bed disturbance and reclamation		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
1. Defines specific piping permitted by the consent (83 m form and to specific NZTM grid references)	Not assessed	N/A
2. Specifies minimum required pipe diameters	Not assessed	N/A
3. Pipe maintenance required to maintain fee flow at all times	Not assessed	N/A
4. Prior notice of works required (2 days)	Not assessed	N/A
5. Financial contribution of \$2490m (+GST) required by 31 August 2019	Check of Council records	No
6. Required rip rap specifications to prevent erosion at the pipe outlet	Not assessed	N/A
7. Requirements to minimise sedimentation and turbidity effects during installation	Not assessed	N/A
8. Prohibition of discharge of vegetation within 20 m of piped stream	Not assessed	N/A

Purpose: To install piping in a section of an unnamed tributary of the Kurapete Stream including associated stream bed disturbance and reclamation		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
9. Stabilisation (defined) required as soon as practicable immediately following soil disturbance	Not assessed	N/A
10. Actions required if archaeological remains are found	Not assessed	N/A
11. Provision for lapse of consent (30 June 2024) if not exercised	Due to retrospective nature of consent, the consent has been exercised	N/A
12. 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		N/A
Overall assessment of administrative performance in respect of this consent		Improvement required

During the year, George Family demonstrated a good level of environmental performance, however an improvement was required in their administrative performance with their resource consent and regional plan rules as defined in Section 1.1.5. Prohibited material had been discharged over the tip face on one occasion, which was removed promptly. The required financial contributions were still unpaid at the end of the year under review. At the time of writing the report, a payment schedule had been established and payments had commenced.

3.3.4 Recommendations from the 2018-2019 Annual Report

In the 2018-2019 Annual Report it was recommended:

1. THAT in the first instance, monitoring of discharges from the George Family's cleanfill in the 2019-2020 period monitoring be amended from that undertaken in the 2018-2019 year to include receiving water sampling and provision for discharge sampling.
2. THAT should there be issues with environmental or administrative performance in 2019-2020, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

Recommendation 1 was implemented and it was not necessary to implement recommendation 2.

3.3.5 Alteration to the monitoring programme for 2020-2021

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

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

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

It is proposed that for 2020-2021, the programme remains unchanged.

It should be noted that the proposed programme represents a reasonable and risk-based level of monitoring for the site in question. The Council reserves the right to subsequently adjust the programme from that initially prepared, should the need arise if potential or actual non-compliance is determined at any time during 2020-2021.

3.3.6 Exercise of optional review of consents

Resource consents 9680-1.1 and 10748-1.0 provide for an optional review of the consent in June 2021. Condition 10 of consent 9680-1.1 and condition 12 of consent 10748-1.0 allow the Council to review the consent, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of the 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.

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

3.4 Recommendations

1. THAT in the first instance, monitoring of discharges from the George Family's cleanfill in the 2020-2021 period continues at the same level as in 2019-2020.
2. THAT should there be issues with environmental or administrative performance in 2020-2021, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.
3. THAT the option for a review of resource consent 9680-1.1 in June 2021, as set out in condition 10 of the consent, not be exercised, on the grounds that current conditions are adequate to deal with the potential effects of this activity.
4. THAT the option for a review of resource consent 10748-1 in June 2021, as set out in condition 12 of the consent, not be exercised, on the grounds that current conditions are adequate to deal with the potential effects of this activity.

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. Some of the filled areas have been re-grassed, leaving only the tip face exposed. The current approximate fill area is shown in the figure below. The full extent permitted is shown in the consent (Appendix I).

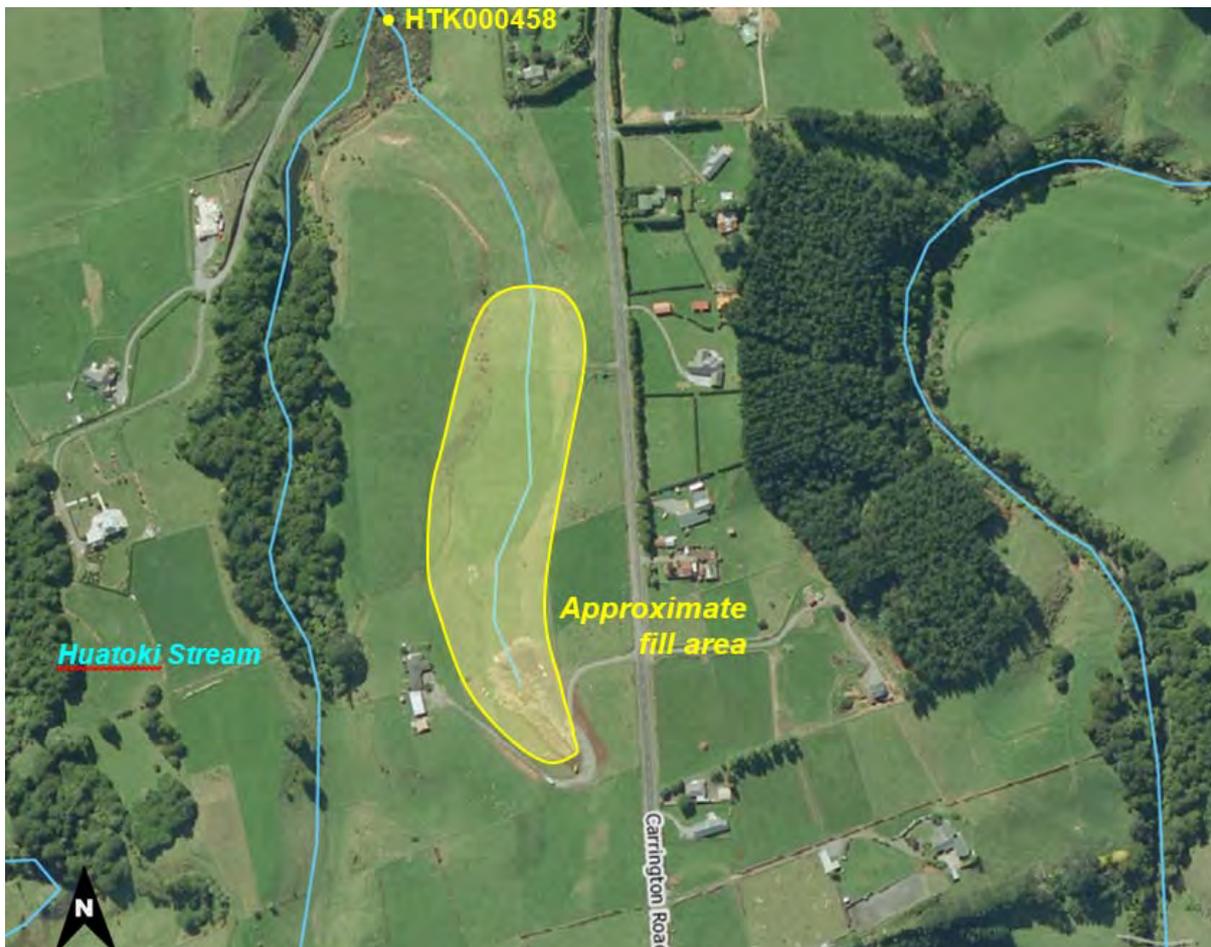


Figure 4 AE Riddick's cleanfill and sampling site at Carrington Road, New Plymouth

4.2 Results

A complaint was received in September 2019, prior to the first scheduled monitoring inspection of the year under review. This is summarised in Section 4.2.3.

4.2.1 Inspections

13 December 2019

The consent holder was advised that this inspection was undertaken to assess compliance with resource consent conditions and the current abatement notices. At the time of inspection there has been no recent discharges at this site due to the existing abatement notice. It was found that a significant amount of the suspected contaminated material and industrial materials had been removed. There were some small remnants from the Cambrian site visible on close inspection, however it was noted that there had been significant improvements to the site. Stormwater drains were in place directing the flow of stormwater away from the site face efficiently and the silt and sediment controls installed, were being maintained. The top flat area of the site had been re vegetated with grass, which appears to have germinated and was growing well. There were no other issues to note and the consent holder was advised that, other than awaiting results for soils testing that was underway, the site appeared to be compliant with the abatement notices at the time of this inspection.

10 March 2020

There was no activity at the site at the time of the inspection and no dust or odours were noted. There was some broken concrete and soil near the site entrance but the rest of the area, including the tip face, was grassed. A sediment fence was in place below the face. No unacceptable material was noted. A sample was collected from above the culvert below the wetland.

7 May 2020

The gates to the site were closed and locked on arrival. The site was tidy, and while there was some broken concrete and soil at top by entrance, there was no evidence of any recent activity.

4.2.2 Results of receiving environment monitoring

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

Table 10 Chemical analysis of an unnamed tributary of the Huatoki Stream below AE Riddick's cleanfill on 10 March 2020

Parameter	Units	HTK000458 (wetland outlet)
Conductivity @25 °C	mS/m	28.8
Unionised ammonia	g/m ³	0.0001
Ammoniacal nitrogen	g/m ³ -N	0.024
pH	pH	7.0
Temperature	°C	17.2

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

This sampling followed the incident investigation and remediation.

4.2.3 Investigations, interventions, and incidents

Table 11 below sets out details of any incidents recorded, additional investigations, or interventions required by the Council in relation to AE Riddick's activities during the 2019-2020 period. This table presents details

of all events that required further investigation or intervention regardless of whether these were found to be compliant or not.

Table 11 Incidents, investigations, and interventions summary table

Date	Details	Compliant (Y/N)	Enforcement Action Taken?	Outcome
4 Sep 2019	Complaint concerning contaminated materials being discharged at the site	N	Abatement and infringement notices issued	Contaminated material removed

4.3 Discussion

4.3.1 Discussion of site performance

Contaminated materials from a subdivision development were discharged at the site. At the time of investigation it was also found that there were inadequate silt and sediment controls in place at the site. An abatement notice was issued requiring the unauthorised materials be removed and that silt and sediment controls be installed. An infringement notice was also issued. Subsequent routine compliance monitoring inspections found that this had been done, and that the silt and sediment controls were being adequately maintained.

4.3.2 Environmental effects of exercise of consents

Sampling following compliance with the abatement notice found no adverse environmental effects were occurring at the site. Historically the level of contaminants found in the water downstream of the cleanfill had 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 Table 12.

Table 12 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	Contaminated materials from a subdivision development were discharged at the site. Abatement and infringement notices issued
3. No discharge of prohibited materials listed in the consent	Inspections	No. Refer to condition 2
4. If the acceptability of a substance is uncertain, obtain approval from the Council	No approval sought, unacceptable materials found	No

Purpose: To discharge cleanfill onto and into land		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
5. Discharge to land not to result in contaminants entering ground or surface water	Visual inspection and sampling	No
6. Install and maintain silt retention structures	Inspections	No. Abatement notice issued
7. Install and maintain stormwater diversion drains	Inspections	Yes
8. Adopt best practice	Inspections	No. Refer to condition 2
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 2026	N/A
Overall assessment of environmental performance in respect of this consent		Improvement required
Overall assessment of administrative performance in respect of this consent		Improvement required

N/A = not applicable

During the year, an improvement was required in Riddick's environmental and administrative performance with their resource consents as defined in Section 1.1.5. During the year under review contaminated materials from a subdivision development were discharged to the site and there were inadequate silt controls in place. Abatement and infringement notices were issued.

4.3.4 Recommendations from the 2018-2019 Annual Report

In the 2018-2019 Annual Report it was recommended:

1. THAT in the first instance, monitoring of discharges from Riddick's cleanfill in the 2019-2020 year continues at the same level as in 2018-2019.
2. THAT should there be issues with environmental or administrative performance in 2019-2020, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.
3. THAT consideration be given to exercising the option for a review of resource consent 3977-4 in June 2020, as set out in condition 11 of the consent, on the grounds that the conditions on the consent may not be adequate to deal with any potential adverse effects on the environment arising from the exercise of the resource consent, as indicated by WasteMINZ Guidelines that were not available at the time the application was considered.

Recommendations 1 and 3 were implemented and it was not necessary to implement recommendation 2.

In terms of recommendation 3, during Council's considerations, it was found that further changes to the Guidelines were being developed and therefore it was not appropriate to review the consent at this time.

4.3.5 Alterations to the monitoring programme for 2020-2021

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

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

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

It is proposed that for 2020-2021, the programme remains unchanged.

It should be noted that the proposed programme represents a reasonable and risk-based level of monitoring for the site(s) in question. The Council reserves the right to subsequently adjust the programme from that initially prepared, should the need arise if potential or actual non-compliance is determined at any time during 2020-2021.

4.4 Recommendations

1. THAT in the first instance, monitoring of discharges from Riddick's cleanfill in the 2020-2021 year continues at the same level as in 2019-2020.
2. THAT should there be issues with environmental or administrative performance in 2020-2021, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

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

5.1 Site description and activities

BJ and LB Bishop (Bishop) hold consents 5877-2 to discharge cleanfill and 5888-2 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 70 m culvert passes through the cleanfill which carries surface water from the Ahu Ahu Road roadside drain. Consent 5888-1 expired on 1 June 2019. A renewed consent was granted on 14 June 2019 to provide for the reclamation of a stream by ongoing use of existing piping in the headwaters of an unnamed tributary of the Waimoku Stream for cleanfilling activities. At the time of application it was noted that the full extent of the cleanfill provided for under consent 5877-2 could not be realised without a consent to increase the length of the culvert. This is to be discussed further with the Bishops at inspection.

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 and the current approximate area filled is shown in Figure 5. The full extent permitted is shown in the consent (Appendix I).

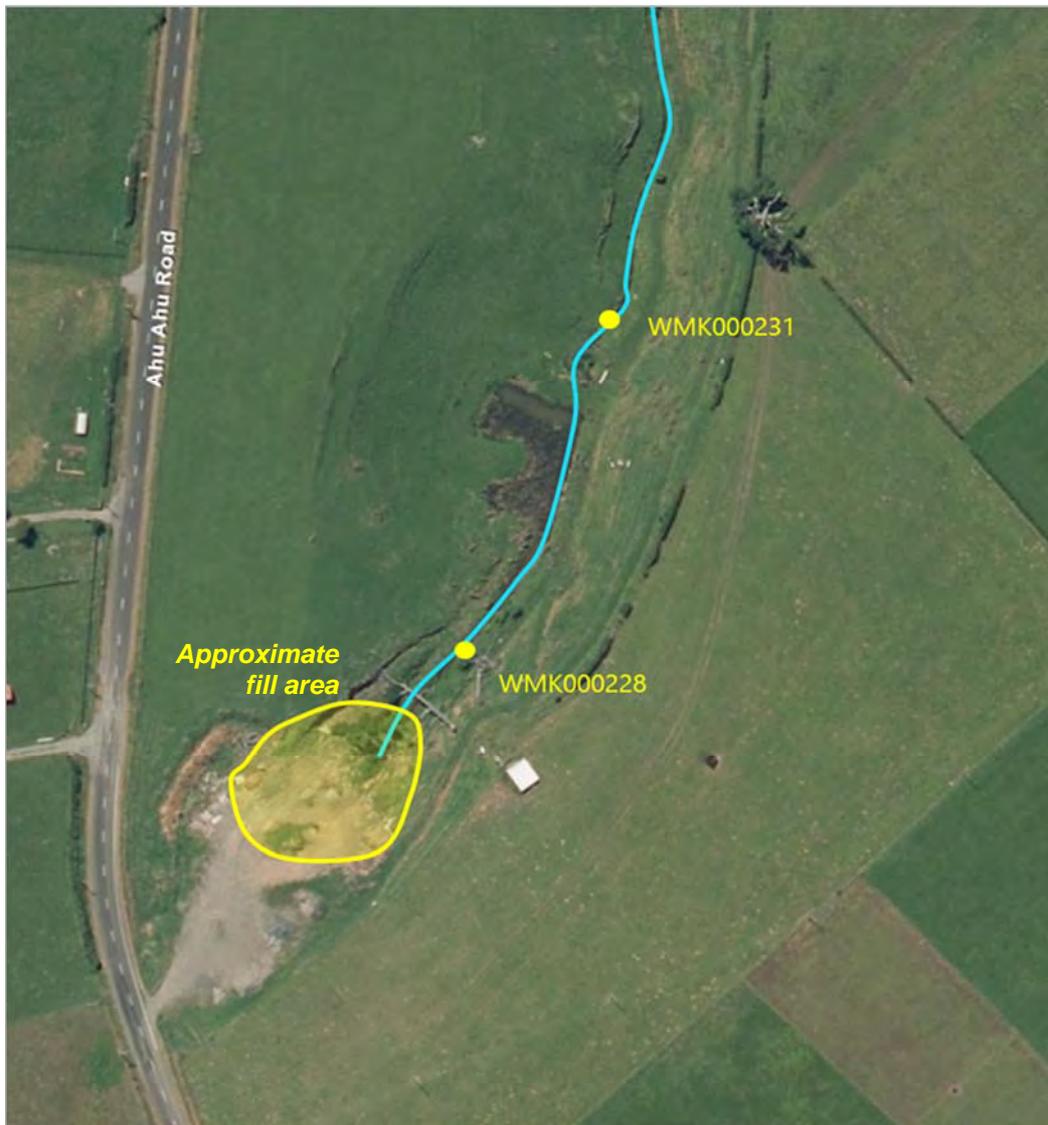


Figure 5 BJ & LB Bishop's cleanfill sand sampling sites at Ahu Ahu Road, Oakura

5.2 Results

5.2.1 Inspections

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

6 December 2019

It was found that there had been recent discharges at the site that consisted of mostly soils, with a few other acceptable materials. The site face appeared well contoured with silt and sediment structures in place.

10 March 2020

There was no activity at the site at the time of the inspection and no dust or odours were noted. There was a substantial amount of fill sitting in the top area. This was mostly soil and concrete. No unacceptable materials were noted on the fill face. The stream was running clear below the cleanfill and samples were collected.

5 May 2020

The gates to the site were open on arrival, and there was evidence of recent usage. The consent holder was present and the unacceptable material that was present on site was discussed. These materials included a small amount of green waste, some painted wood and small amount of roofing iron. It was outlined that the consent holder takes responsibility to remove these items from his site prior to discharge. The measures he could take to ensure these items do not appear in the future were also discussed. In general it was considered that the site was clean and well presented.

5.2.2 Results of receiving environment monitoring

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

Table 13 Results of water sample taken from BJ & LB Bishop's cleanfill 10 March 2020

Parameter	Units	WMK000228 (5 m d/s of cleanfill face)	WMK000231 (60 m d/s of cleanfill face)
Conductivity @25 °C	mS/m	23.6	23.8
Unionised ammonia	g/m ³	0.00189	0.0030
Ammoniacal nitrogen	g/m ³ -N	1.54	0.97
pH	pH	6.5	6.9
Temperature	Deg C	16.2	16.2

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

5.2.3 Investigations, interventions, and incidents

In the 2019-2020 period, the Council was not required to undertake significant additional investigations and interventions, or record incidents, in association with the Bishops' conditions in resource consents or provisions in Regional Plans.

5.3 Discussion

5.3.1 Discussion of site performance

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

The renewed consent that was granted in June 2019 permits a total of approximately 70 m of existing piping on the site. The existing pipe to the current cleanfill toe is approximately 70 m long, although the cleanfill toe does not extend to the full area permitted by consent 5877-2. Consequently, any future extension of the cleanfill to utilise the full area permitted by the cleanfill consent will require a further piping/reclamation consent to be applied for.

During the year under review, the cleanfill area did not extend past the point where additional piping would be required.

5.3.2 Environmental effects of exercise of consents

No adverse environmental effects were observed during site inspections. Historically the results from water samples indicated slightly elevated level of ammoniacal nitrogen in the unnamed tributary, which decrease further away from the cleanfill.

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

5.3.3 Recommendations from the 2018-2019 Annual Report

In the 2018-2019 Annual Report it was recommended:

1. THAT in the first instance, monitoring of discharges from Bishop's cleanfill on Ahu Ahu Road in the 2019-2020 year continues at the same level as in 2018-2019.
2. THAT should there be issues with environmental or administrative performance in 2019-2020, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

Recommendation 1 was implemented and recommendation 2 was not required.

5.3.4 Evaluation of performance

A tabular summary of Bishop's compliance record for the period under review is set out in Table 14 and Table 15.

Table 14 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

Purpose: To discharge cleanfill onto and into land		
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 and no unacceptable material found at inspection	N/A
5. No discharge of contaminants to ground or surface water	Receiving water sampling and inspections	Yes
6. Install and maintain silt retention structures	Inspections	Yes
7. Install and maintain stormwater diversion drains	Inspections	Yes
8. Adopt best practice	Inspections	Yes
9. Upon completion the discharge site shall be stabilised and re-vegetated	Site still in use	N/A
10. Lapse of consent	Consent exercised	N/A
11. Optional review provision re environmental effects	Next option for review in June 2025	N/A
Overall assessment of environmental performance in respect of this consent		High
Overall assessment of administrative performance in respect of this consent		High

Table 15 Summary of performance for BJ & LB Bishop's culvert consent 5888-2

Purpose: To reclaim a stream by the ongoing use of existing piping 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. Reclamation of streambed using approximately 70 m of existing piping	Inspections	Yes
2. Maintain piping to ensure water flows freely and repair any erosion, scour or instability of the streambed	Inspections	Yes
3. Optional review provision re environmental effects	Next review option June 2025	N/A
Overall assessment of environmental performance in respect of this consent		High
Overall assessment of administrative performance in respect of this consent		High

N/A = not applicable

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

5.3.5 Alterations to the monitoring programme for 2020-2021

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

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

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

It is proposed that for 2020-2021, the programme remains unchanged.

It should be noted that the proposed programme represents a reasonable and risk-based level of monitoring for the site in question. The Council reserves the right to subsequently adjust the programme from that initially prepared, should the need arise if potential or actual non-compliance is determined at any time during 2020-2021.

5.4 Recommendations

1. THAT in the first instance, monitoring of discharges from Bishop's cleanfill on Ahu Ahu Road in the 2020-2021 year continues at the same level as in 2019-2020.
2. THAT should there be issues with environmental or administrative performance in 2020-2021, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

6 Dennis Wheeler Earthmoving Ltd – Paraite Road, Bell Block

6.1 Site description and activities

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

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

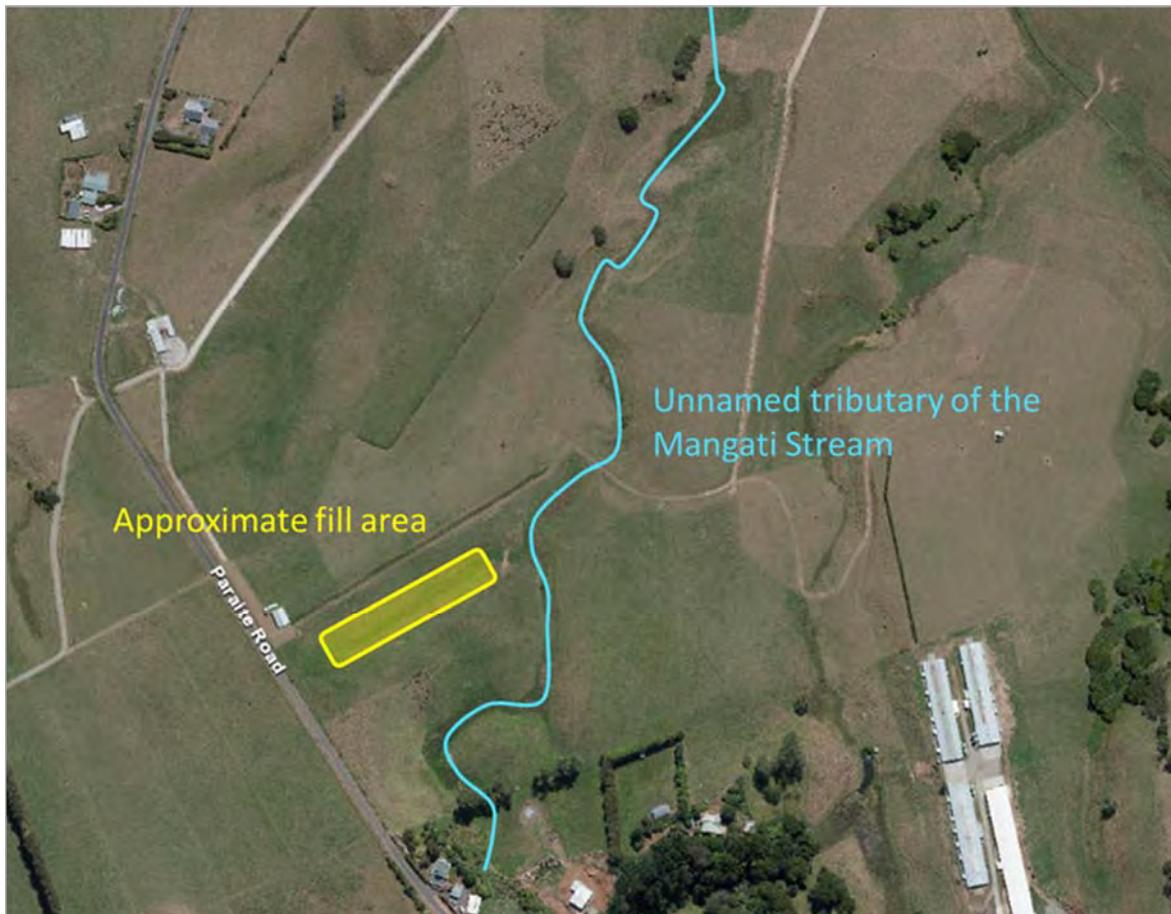


Figure 6 Location of Dennis Wheeler Earthmoving cleanfill Paraite Road, Bell Block

6.2 Results

6.2.1 Inspections

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

3 December 2019

The recently discharged materials on site appeared to be acceptable, consisting of mostly soils. The site appeared to be operating within consent conditions at the time of inspection.

12 March 2020

There was no activity at the site at the time of the inspection. No dust or odours were noted. There were a lot of piles of soil present on top of the site, some of which were fresh and some were covered with vegetation. There were also piles of soil, stumps and gravel sitting at the top of the face of the fill, ready to be discharged over the face. At the time of inspection the face was mainly soil with some concrete and stumps visible. No unacceptable material was noted. Silt controls were in place with two silt ponds below the face.

8 May 2020

The gates to the site were unlocked on arrival and a load of cleanfill was dropped off at the site while monitoring was taking place. The site was well maintained and stable. There are no odours or dust issues. The inspecting officer informed an employee about a small amount of green waste and what appeared to be old clothes line that were yet to be removed from the site. The consent holder was informed that with the amount of soil on site, and the growth of the site, further sediment control measures will be required to avoid sediment and silt travel. On the whole, it was considered that the site appeared to be well maintained.

6.2.2 Results of discharge and receiving environment monitoring

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

6.2.3 Investigations, interventions, and incidents

In the 2019-2020 period, the Council was not required to undertake significant additional investigations and interventions, or record incidents, in association with Dennis Wheeler Ltd's conditions in resource consents or provisions in Regional Plans.

6.3 Discussion

6.3.1 Discussion of site performance

The site was generally well managed and no prohibited materials were noted as having been discharged to the fill face during the period under review. During the 2016-2017 year, the silt and sediment retention structures were installed as requested. Although these continued to be effective during the 2018-2019 year, at the final inspection of that year Dennis Wheeler Earthmoving was advised that further sediment controls would be required at some point to prevent sediment travel during heavy rainfall. At the final inspection of the year under review the consent holder was advised that further sediment control measures were now required.

6.3.2 Environmental effects of exercise of consents

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

6.3.3 Evaluation of performance

A tabular summary of the consent holder's compliance record for the year under review is set out in Table 16.

Table 16 Summary of performance of consent for Dennis Wheeler Earthmoving Ltd cleanfill consent 10234-1.0

Purpose: To discharge cleanfill onto and into land		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
1. Discharge to occur only in agreed area	Inspections	Yes
2. Only discharge cleanfill and/or inert materials	Inspections	Yes
3. No discharge of prohibited materials listed in the consent	Inspections	Yes
4. If the acceptability of a substance is uncertain, obtain approval from the Council	No approval sought	N/A
5. Discharge to land not to result in contaminants entering ground or surface water	Inspections	Yes
6. The consent holder will keep a record of the material discharged at the site	Records not requested	N/A
7. Install and maintain silt retention structures	Inspections	Yes
8. Install and maintain stormwater diversion drains	Not assessed during the period under review	N/A
9. Adopt best practice	Inspections	Yes
10. Upon completion the discharge site shall be stabilised, re-vegetated and contoured	Site still in use	N/A
11. Lapse provision, 31 March 2021	Consent has been exercised	N/A
12. Optional review provision re environmental effects	Option for review June 2026	N/A
Overall assessment of consent compliance and environmental performance in respect of this consent		High
Overall assessment of administrative performance in respect of this consent		High

N/A = not applicable

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

6.3.4 Recommendations from the 2018-2019 Annual Report

In the 2018-2019 Annual Report it was recommended:

1. THAT in the first instance, monitoring of Dennis Wheeler Earthmoving's cleanfill in the 2019-2020 year continues at the same level as in 2018-2019.

2. THAT should there be issues with environmental or administrative performance in 2019-2020, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.
3. THAT consideration be given to exercising the option for a review of resource consent 10234-1 in June 2020, as set out in condition 12 of the consent, on the grounds that the conditions on the consent may not be adequate to deal with any potential adverse effects on the environment arising from the exercise of the resource consent, as indicated by WasteMINZ Guidelines that were not available at the time the application was considered.

Recommendations 1 and 3 were implemented and it was not necessary to implement recommendation 2.

In terms of recommendation 3, during Council's considerations, it was found that further changes to the Guidelines were being developed and therefore it was not appropriate to review the consent at this time.

6.3.5 Alterations to the monitoring programme for 2020 – 2021

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

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

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

It is proposed that for 2020-2021, the programme remains unchanged.

It should be noted that the proposed programme represents a reasonable and risk-based level of monitoring for the site in question. The Council reserves the right to subsequently adjust the programme from that initially prepared, should the need arise if potential or actual non-compliance is determined at any time during 2020-2021.

6.4 Recommendations

1. THAT in the first instance, monitoring of Dennis Wheeler Earthmoving's cleanfill in the 2020-2021 year continues at the same level as in 2019-2020.
2. THAT should there be issues with environmental or administrative performance in 2020-2021, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

7 Downer EDI Works Ltd – Dorset Road, New Plymouth

7.1 Site description and activities

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

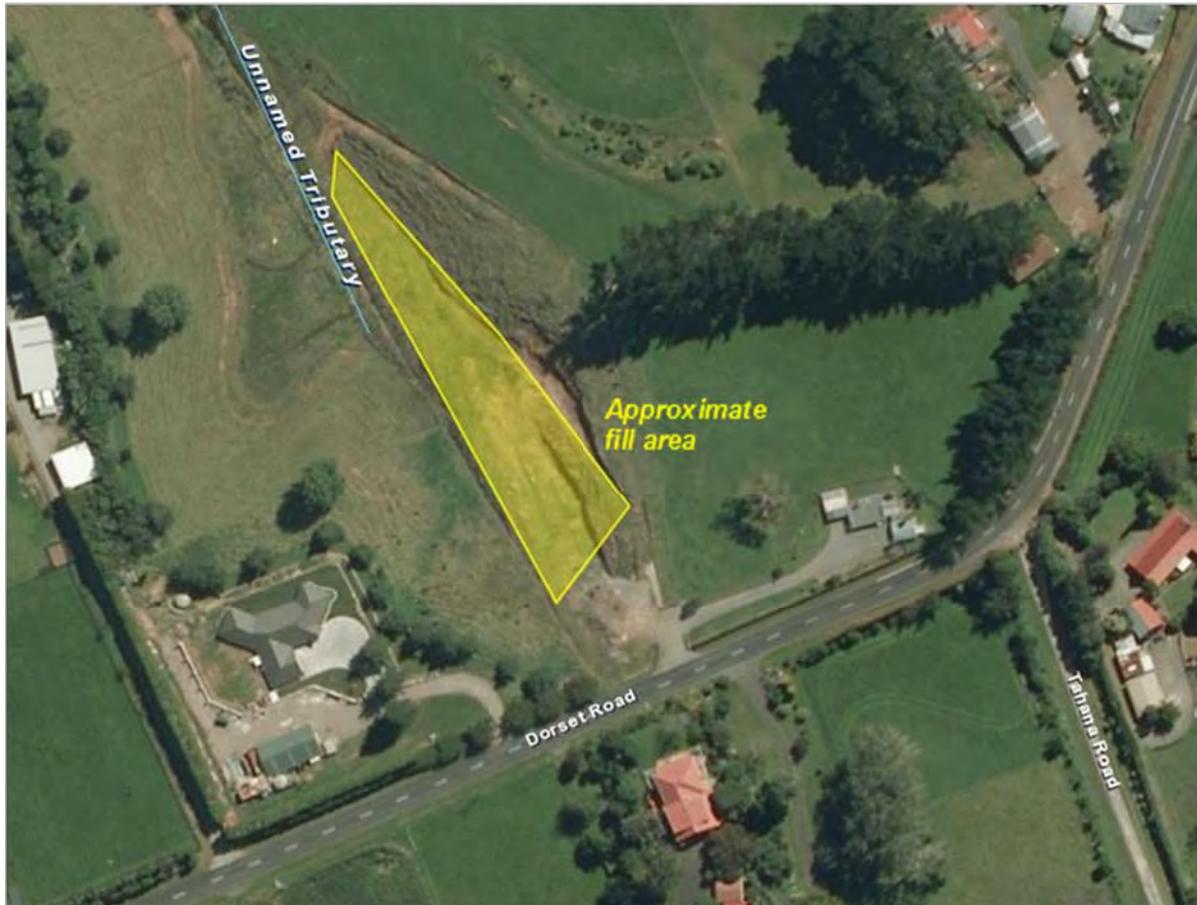


Figure 7 Downer EDI Works Ltd cleanfill, Dorset Road, New Plymouth

7.2 Results

7.2.1 Inspections

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

6 December 2019

On arrival it was found that discharging at the site had ceased within the previous few weeks and there was now a "no dumping" sign visible at the gate entrance. The site had been well contoured recently and there were sediment controls in place at the base of the site face, including a large sediment pond and bunding. There were very few materials visible other than soils and some broken concrete which all appeared acceptable. There were no issues noted.

12 March 2020

On arrival it was found that there was a sign at the entrance to the cleanfill stating that the site was closed to dumping. There was no activity at the site and no dust or odour issues were found. There was a pile of unacceptable fill material set aside, that the inspecting officer assumed was for burning at a later date. The consent holder was subsequently contacted and advised that the burning of imported material at a cleanfill site is not permitted. The face was mostly grass/vegetation with some patches of dirt and a bit of concrete showing. The inspecting officer spoke to the site owner's son and he said Downer had recently sprayed weeds and would be back soon to hydroseed the entire area. The inspecting officer was informed that the consent holder intended to remove any pieces of concrete or other material left exposed by hand once this was completed and the face was well stabilised.

7 May 2020

The gates to the site were found to be unlocked on arrival. At the time of inspection a contract fencer was working on site. It was noted that there had been little to no use at the site since last inspection. There was a large pile of acceptable burnable product (land owner tree trimmings) piled up awaiting burning. There were no issues with dust or odour at the time of inspection.

7.2.2 Results of receiving environment monitoring

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

7.2.3 Investigations, interventions, and incidents

In the 2019-2020 period, the Council was not required to undertake significant additional investigations and interventions, or record incidents, in association with Downer EDI Works Ltd's conditions in resource consents or provisions in Regional Plans.

7.3 Discussion

7.3.1 Discussion of site performance

The site was generally found to be secure and well managed at the time of the inspections, with no disposal of material evident during the year under review.

7.3.2 Environmental effects of exercise of consents

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

7.3.3 Evaluation of performance

A tabular summary of Downer's compliance record for the period under review is set out in Table 17.

Table 17 Summary of performance for Downer EDI Works Ltd'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

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?
2. Materials to be discharged in certain area	Inspections	Yes
3. Only discharge cleanfill and/or inert materials	Inspections	Yes
4. No discharge of prohibited materials listed in the consent	Inspections	Yes
5. If the acceptability of a substance is uncertain, obtain approval from the Council	No approval sought	N/A
6. No discharge of contaminants to water	Inspections	Yes
7. Install specific or approved silt retention structures	Inspections	Yes
8. Site to be re-vegetated within six months of discharges ceasing	Site still in use	N/A
9. Re-vegetation must meet specific standard	Site still in use	N/A
10. Adopt best practice	Inspections	Yes
11. Optional review provision re environmental effects	Next option for review June 2026	N/A
Overall assessment of environmental performance in respect of this consent		High
Overall assessment of administrative performance in respect of this consent		High

N/A = not applicable

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

7.3.4 Recommendations from the 2018-2019 Annual Report

In the 2018-2019 Annual Report it was recommended:

1. THAT in the first instance, monitoring of discharges from Downer's Dorset Road cleanfill in 2019-2020 year continues at the same level as in 2018-2019.
2. THAT should there be issues with environmental or administrative performance in 2019-2020, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.
3. THAT consideration be given to exercising the option for a review of resource consent 9532-1 in June 2020, as set out in condition 12 of the consent, on the grounds that the conditions on the consent may not be adequate to deal with any potential adverse effects on the environment arising from the exercise of the resource consent, as indicated by WasteMINZ Guidelines that were not available at the time the application was considered.

Recommendations 1 and 3 were implemented and it was not necessary to implement recommendation 2. In terms of recommendation 3, during Council's considerations, it was found that further changes to the Guidelines were being developed and therefore it was not appropriate to review the consent at this time.

7.3.5 Alterations to the monitoring programme for 2020-2021

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

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

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

It is proposed that for 2020-2021, the programme remains unchanged.

It should be noted that the proposed programme represents a reasonable and risk-based level of monitoring for the site in question. The Council reserves the right to subsequently adjust the programme from that initially prepared, should the need arise if potential or actual non-compliance is determined at any time during 2020-2021.

7.4 Recommendations

1. THAT in the first instance, monitoring of discharges from Downer's Dorset Road cleanfill in 2020-2021 year continues at the same level as in 2019-2020.
2. THAT should there be issues with environmental or administrative performance in 2020-2021, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

8 Downer EDI Works Ltd – Veale Road, New Plymouth

8.1 Site description and activities

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

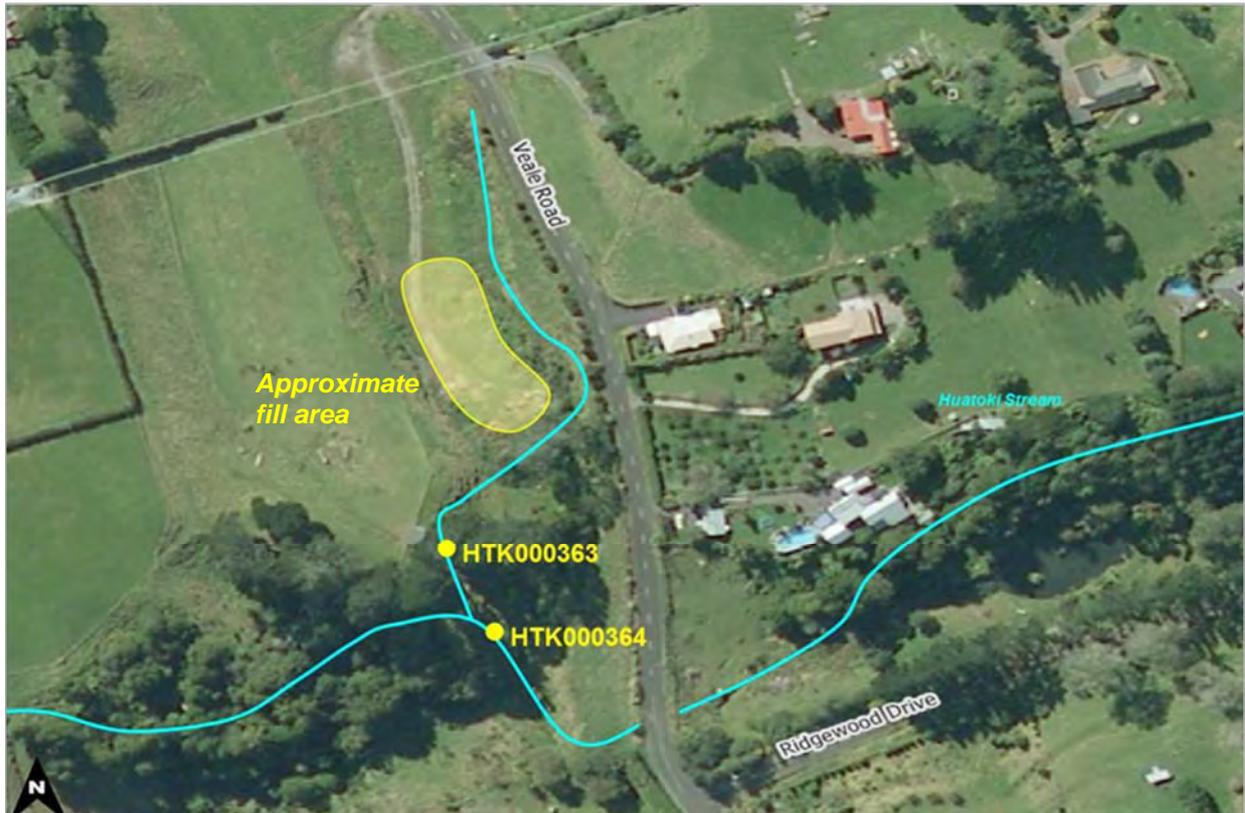


Figure 8 Downer EDI Works Ltd's cleanfill and sampling sites, Veale Road, New Plymouth

8.2 Results

8.2.1 Inspections

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

3 December 2019

At the time of inspection there had been a reasonable amount of recent tipping up to the site face. The materials tipped all appeared to be acceptable, consisting mostly of soils and other ground materials. There had been no recent movement of material over the site face. The work being carried out at the site appeared to be operating within consent conditions at the time of inspection.

10 March 2020

No odours or dust were noted. There was a pile of unacceptable items (whiteware, bath tub etcetera) that had been put aside at the top of the cleanfill area for removal. There were piles of soil, gravel, tarmac, rocks

and concrete across the site, most of which may have been there for some time as they were covered in grass and weeds. Nothing had been pushed over the end face of the cleanfill for quite some time as this was also well vegetated in grass.

5 May 2020

The gates to the site were open on arrival, however the specific clean fill site was fenced off with a hotwire as there were a small number of cattle in the area. There was a pile of unacceptable material placed to one side of the site. The inspection found the materials at the site mostly consisted of soils and other acceptable materials. There was no sign of any recent activity.

8.2.2 Results of receiving environment monitoring

Routine water quality sampling was undertaken on one occasion during the year under review and the results are presented in Table 18 below. The sampling site locations are shown in Figure 8.

Table 18 Chemical analysis of a tributary of the Huatoki Stream at Downer EDI Works Ltd cleanfill, Veale Road, New Plymouth, 10 March 2020

Parameter	Units	HTK000363 (10m d/s of cleanfill)	HTK000364 (80m d/s of cleanfill)
Conductivity @25°C	mS/m	24.7	15.1
Unionised ammonia	g/m ³	0.00039	0.00011
Ammoniacal nitrogen	g/m ³ -N	0.36	0.026
pH	pH	6.5	7.1
Temperature	°C	15.8	15.5

The pH, conductivity, and ammoniacal nitrogen concentrations measured in the tributary indicate that the cleanfill may be leaching only minor amounts of contaminants, if any, into the environment.

8.2.3 Investigations, interventions, and incidents

Table 19 below sets out details of any incidents recorded, additional investigations, or interventions required by the Council in relation to Downer's activities at the Veale Road site during the 2019-2020 period. This table presents details of all events that required further investigation or intervention regardless of whether these were found to be compliant or not.

Table 19 Downer (Veale Road) incidents, investigations, and interventions summary table

Date	Details	Compliant (Y/N)	Enforcement Action Taken?	Outcome
24 Sep 2019	Complaint received. Inadequate silt and sediment controls. Evidence that some silt had entered the nearby waterbody	N	Abatement notice	Silt retention structures installed and maintained as per condition 6. Consent holder to instigate more frequent site checks
20 Jan 2020	Complaint regarding household rubbish being dumped at the site	Y	N/A	Land owner temporarily storing during renovations for later appropriate disposal

8.3 Discussion

8.3.1 Discussion of site performance

The discharge of materials at the site was found to be well managed during the period under review. However there was one substantiated complaint received regarding inadequate silt controls. An abatement notice was issued and subsequent inspections found that the abatement notice was being complied with.

8.3.2 Environmental effects of exercise of consents

Although during the incident investigation it was found that there was evidence that some silt and sediment had discharged over land and into the nearby waterbody, with the improved silt controls it is expected that these effects would have been minor and short term at most. No significant adverse effects on the environment were found at the time of sampling or were observed at the time of the site inspections.

8.3.3 Evaluation of performance

A tabular summary of Downer's compliance record for the period under review is set out in Table 20.

Table 20 Summary of performance for Downer EDI Works Ltd's Veale Road cleanfill consent 5213-2

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

Purpose: To discharge cleanfill onto and into land		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
10. Lapse of consent	Consent has been exercised	N/A
11. Optional review provision re environmental effects	Next option for review in June 2026	N/A
Overall assessment of environmental performance in respect of this consent		Improvement required
Overall assessment of administrative performance in respect of this consent		Improvement required

N/A = not applicable

An improvement was required in Downer's level of environmental and administrative performance with their Veale Road resource consent as defined in Section 1.1.5. During the year an abatement notice was issued due to there being inadequate silt control at the site that allowed some silt and sediment to discharge over land into a nearby water body. Subsequent inspections found that the abatement notice was being complied with.

8.3.4 Recommendations from the 2018-2019 Annual Report

In the 2018-2019 Annual Report it was recommended:

1. THAT in the first instance, monitoring of discharges from Downer's Veale Road cleanfill in the 2018-2019 year continues at the same level as in 2017-2018.
2. THAT should there be issues with environmental or administrative performance in 2018-2019, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary
3. THAT consideration be given to exercising the option for a review of resource consent 5213-2 in June 2020, as set out in condition 11 of the consent, on the grounds that the conditions on the consent may not be adequate to deal with any potential adverse effects on the environment arising from the exercise of the resource consent, as indicated by WasteMINZ Guidelines that were not available at the time the application was considered.

Recommendations 1 and 3 were implemented and it was not necessary to implement recommendation 2.

In terms of recommendation 3, during Council's considerations, it was found that further changes to the Guidelines were being developed and therefore it was not appropriate to review the consent at this time.

8.3.5 Alterations to the monitoring programme for 2020-2021

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

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

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

It is proposed that for 2020-2021, the programme remains unchanged.

It should be noted that the proposed programme represents a reasonable and risk-based level of monitoring for the site in question. The Council reserves the right to subsequently adjust the programme from that initially prepared, should the need arise if potential or actual non-compliance is determined at any time during 2020-2021.

8.4 Recommendations

1. THAT in the first instance, monitoring of discharges from Downer's Veale Road cleanfill in the 2020-2021 year continues at the same level as in 2019-2020.
2. THAT should there be issues with environmental or administrative performance in 2020-2021, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

9 Downer EDI Works Ltd – South Road, Hawera

9.1 Site description and activities

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



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

9.2 Results

9.2.1 Inspections

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

11 March 2020

There was no activity at the site at the time of the inspection, and no dust or odours were noted. The site looked to be well used with fill mostly consisting of soil, gravel, bricks, concrete and stumps. There was a

small amount of fresh vegetation noted. The site was being filled from both the centre and the western side. Downer were asked to ensure that the green waste was not disposed of at the site.

7 May 2020

The gates to the site were unlocked on arrival, but there was no discharge occurring at time of inspection. There was a large pile of product piled up that the inspecting office assumed was awaiting burning. The consent holder was subsequently contacted and advised that the burning of imported material at a cleanfill site is not permitted. There had recently been lots of gravel, cured bitumen and clay being discharged, mostly using the north western face. Downer were asked to ensure that the reinforced steel that was exposed sticking out from the power poles is removed from the site, along with the stainless steel contained in the large concrete tank. The inspecting officer contacted a Downer's representative to advise of the requirement to have those items removed. There were no issues found with respect to dust or odour.

27 May 2020

The gates to the site were locked on arrival. The site was in good condition and well maintained. The minor matters noted at the previous inspection had all been addressed. No issues were found in relation to either dust or odour.

9.2.2 Results of receiving environment monitoring

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

Table 21 Chemical analysis of an unnamed tributary of the Tawhiti Stream at Downer EDI Works Ltd's cleanfill, South Road, Hawera, 11 March 2020

Parameter	Units	TWH000498 (100 m downstream of cleanfill)
Conductivity @ 25 °C	mS/m	49.9
Unionised ammonia	g/m ³	0.0004
Ammoniacal nitrogen	g/m ³ -N	0.016
pH	pH	7.7
Temperature	°C	19.7

There was an elevated conductivity that would most likely have been attributable to the presence of dissolved iron, which often occurs naturally in Taranaki spring water. This site has exhibited elevated conductivity levels since the sampling began and this may either be due to natural high iron levels found in the catchment or the presence of the cleanfill. Since the 2013-2014 Annual Report, it has been noted that, if the conductivity at this site continues to increase, water samples may need to be taken downstream of the cleanfill, to be analysed for iron and zinc. During the intervening period, the conductivities recorded have fluctuated between 39.8 and 46.7 mS/m (results converted to 25 °C). During the 2018-2019 year, the conductivity had increased significantly to 64.8 mS/m and it was reported that Council would continue to monitor the situation and would implement this monitoring in 2020-2021, if the conductivity remains high during the 2019-2020 monitoring period.

Although there was a reduction in the conductivity recorded during the year under review, it was still at the above the fluctuating levels found during the 2014-2018 years. It is therefore recommended that the iron and zinc monitoring be implemented. A recommendation to this effect is included in Section 9.4.

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

9.2.3 Investigations, interventions, and incidents

In the 2019-2020 period, the Council was not required to undertake significant additional investigations and interventions, or record incidents, in association with Downer EDI Works Ltd's conditions in resource consents or provisions in Regional Plans.

9.3 Discussion

9.3.1 Discussion of site performance

The cleanfill was well managed during the monitoring period. Although there were unauthorised materials dropped off at the site, these were removed prior to discharge. There were no dust, odour or ponding issues at the site at the time of the inspections.

9.3.2 Environmental effects of exercise of consents

From observations during the inspections of the site and from the results of the downstream water sample taken, there is no indication that the activities at the site were having a significant adverse effect upon the environment. This is because 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. Additional analysis have been added to the 2020-2021 monitoring programme to confirm this.

9.3.3 Evaluation of performance

A tabular summary of Downer's compliance record for the year under review is set out in Table 22.

Table 22 Summary of performance for Downer EDI Works Ltd's (South Road) cleanfill consent 6964-1

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

Purpose: To discharge cleanfill onto and into land		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
10. Install and maintain stormwater diversion drains	Inspections	Yes
11. Final contours of filled area to allow for stormwater to flow away from site	Site still in process of being filled	N/A
12. Prepare and maintain a contingency and site management plan	Provided with application for change to consent July 2016	Yes
13. Lapse condition	Consent exercised	N/A
14. Optional review provision re environmental effects	No further opportunities for review before expiry on 1 June 2022	N/A
15. Discharge to land not to result in any contaminant entering water	Sampling	Yes
Overall assessment of environmental performance in respect of this consent		High
Overall assessment of administrative performance in respect of this consent		High

N/A = not applicable

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

9.3.4 Recommendations from the 2018-2019 Annual Report

In the 2018-2019 Annual Report it was recommended:

1. THAT in the first instance, monitoring of discharges from Downer's South Road cleanfill in the 2019-2020 year continues at the same level as in 2018-2019.
2. THAT should there be issues with environmental or administrative performance in 2019-2020, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.
3. THAT should the water samples indicate that conductivity in the unnamed tributary of the Tawhiti Stream remain high in 2019-2020, the parameters monitored should be expanded to include iron and zinc in the 2020-2021 year.

These recommendations were implemented.

9.3.5 Alteration to the monitoring programme for 2020-2021

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

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

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

It is proposed that for 2020-2021, the programme be amended to include iron and zinc analysis.

It should be noted that the proposed programme represents a reasonable and risk-based level of monitoring for the site in question. The Council reserves the right to subsequently adjust the programme from that initially prepared, should the need arise if potential or actual non-compliance is determined at any time during 2020-2021.

9.4 Recommendations

1. THAT in the first instance, monitoring of discharges from Downer's South Road cleanfill in the 2020-2021 be amended from that of 2019-2020 to include iron and zinc determination.
2. THAT should there be issues with environmental or administrative performance in 2020-2021, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

10 Gas and Plumbing Ltd – Colson Road, New Plymouth

10.1 Site description and activities

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

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

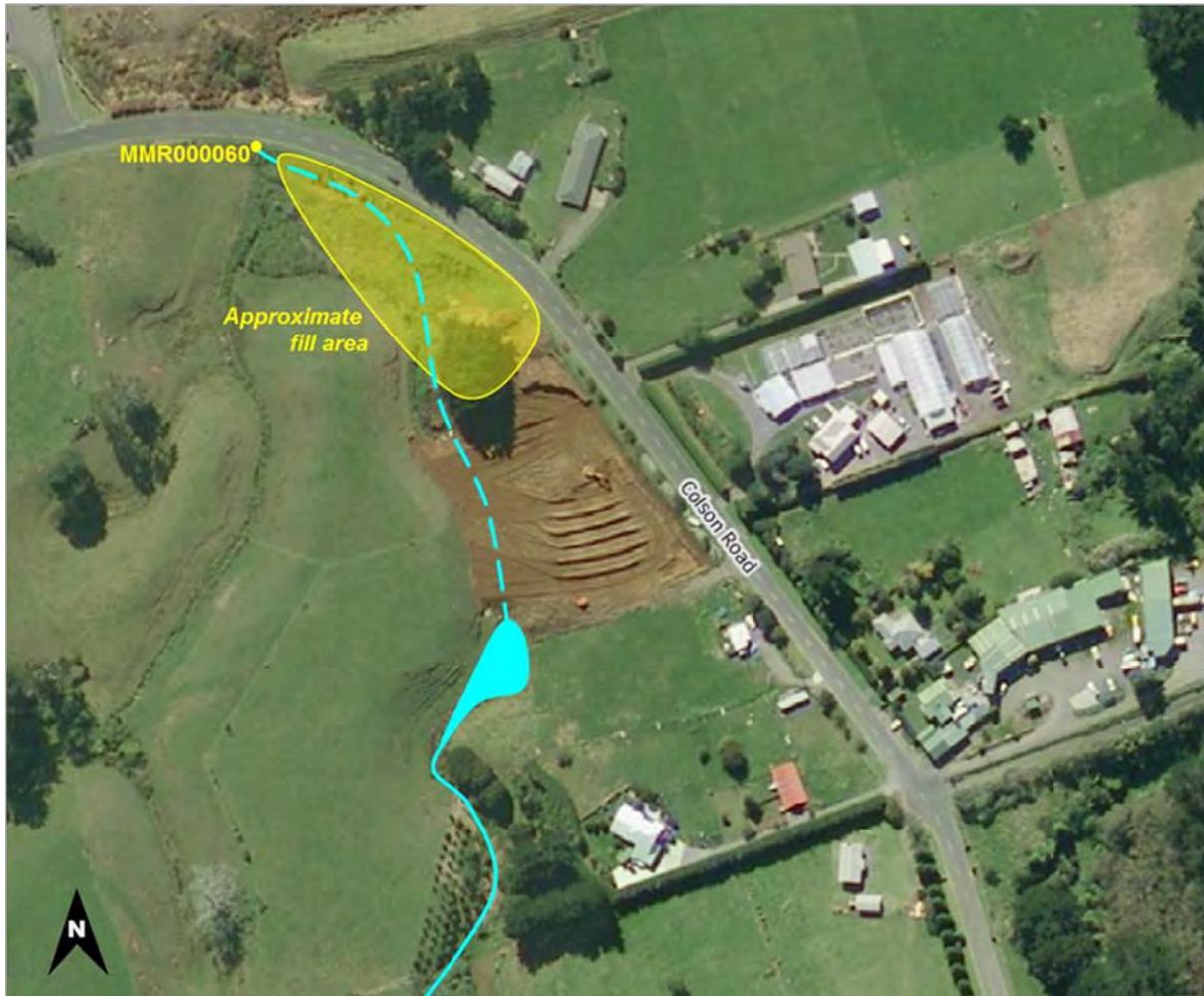


Figure 10 Gas and Plumbing Ltd's cleanfill and sampling site at Colson Road, New Plymouth

10.2 Results

10.2.1 Inspections

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

23 December 2019

At the time of inspection the site appeared to have received no new loads and there appeared to have been no new works on the site since the previous inspection. The cleanfill area is well vegetated and there were no issues to note during the inspection.

10 March 2020

At the time of inspection it was observed that the site was very overgrown and appeared not to have been used to dispose of cleanfill for quite some time. There were no odours or dust noted. Gas and Plumbing were informed that a sample was collected.

8 May 2020

It was found that the gates to the site were open on arrival. It was considered that there was no evidence of any recent activity. The site was well vegetated and stable. There were no odours or dust issues found.

10.2.2 Results of receiving environment monitoring

On 10 March 2020 a sample was taken in the Mangamiro Stream, below the cleanfill (TRC site code MR000060). The results are given in the table below.

Table 23 Chemical analysis of the Mangamiro Stream at Gas and Plumbing's cleanfill, Colson Road, New Plymouth on 10 March 2020

Parameter	Units	MMR000060 (u/s of Colson Road)
Conductivity @ 25 °C	mS/m	23.1
Unionised ammonia	g/m ³	0.00021
Ammoniacal nitrogen	g/m ³ -N	0.050
pH	pH	7.0
Temperature	°C	17.3

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

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

10.2.3 Investigations, interventions, and incidents

In the 2019-2020 period, the Council was not required to undertake significant additional investigations and interventions, or record incidents, in association with Gas and Plumbing's conditions in resource consents or provisions in Regional Plans.

10.3 Discussion

10.3.1 Discussion of site performance

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

10.3.2 Environmental effects of exercise of consents

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

10.3.3 Evaluation of performance

A tabular summary of the Gas and Plumbing's compliance record for the year under review is set out Table 24.

Table 24 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
4. If the acceptability of a substance is uncertain, obtain approval from the Council	No approval sought or required	N/A
5. Silt retention structures shall be installed if required	Inspections	Yes
6. Stormwater control drains shall be installed if required	Inspections	Yes
7. Adopt best practice	Inspections	Yes
8. Upon completion the discharge site shall be reinstated and re-vegetated	Site not currently in use. Adequately vegetated and stabilised	Yes
9. Review condition	Next opportunity for review June 2020	N/A
Overall assessment of environmental performance in respect of this consent		High
Overall assessment of administrative performance in respect of this consent		High

N/A = not applicable

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

10.3.4 Recommendations from the 2018-2019 Annual Report

In the 2018-2019 Annual Report it was recommended:

1. THAT in the first instance, monitoring of discharges from Gas and Plumbing's cleanfill in the 2019-2020 year continues at the same level as in 2018-2019.
2. THAT should there be issues with environmental or administrative performance in 2019-2020, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.
3. THAT consideration be given to exercising the option for a review of resource consent 7165-1 in June 2020, as set out in condition 9 of the consent, on the grounds that the conditions on the consent may not be adequate to deal with any potential adverse effects on the environment arising from the

exercise of the resource consent, as indicated by WasteMINZ Guidelines that were not available at the time the application was considered.

Recommendations 1 and 3 were implemented and it was not necessary to implement recommendation 2. In terms of recommendation 3, during Council's considerations, it was found that further changes to the Guidelines were being developed and therefore it was not appropriate to review the consent at this time.

10.3.5 Alterations to the monitoring programme for 2020-2021

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

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

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

It is proposed that for 2020-2021, the programme remains unchanged.

It should be noted that the proposed programme represents a reasonable and risk-based level of monitoring for the site in question. The Council reserves the right to subsequently adjust the programme from that initially prepared, should the need arise if potential or actual non-compliance is determined at any time during 2020-2021.

10.4 Recommendations

1. THAT in the first instance, monitoring of discharges from Gas and Plumbing's cleanfill in the 2020-2021 year continues at the same level as in 2019-2020.
2. THAT should there be issues with environmental or administrative performance in 2020-2021, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

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

11.1 Site description and activities

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

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

Bailey still holds consents 4999-3, to discharge up to 130 m³/day (1.5 L/s) of leachate from a former cleanfill into an unnamed tributary of the Te Henui Stream, and 5824-2, to culvert an unnamed tributary of the Te Henui Stream for land improvement purposes associated with the cleanfill activity. Both consents expired on 1 June 2020.

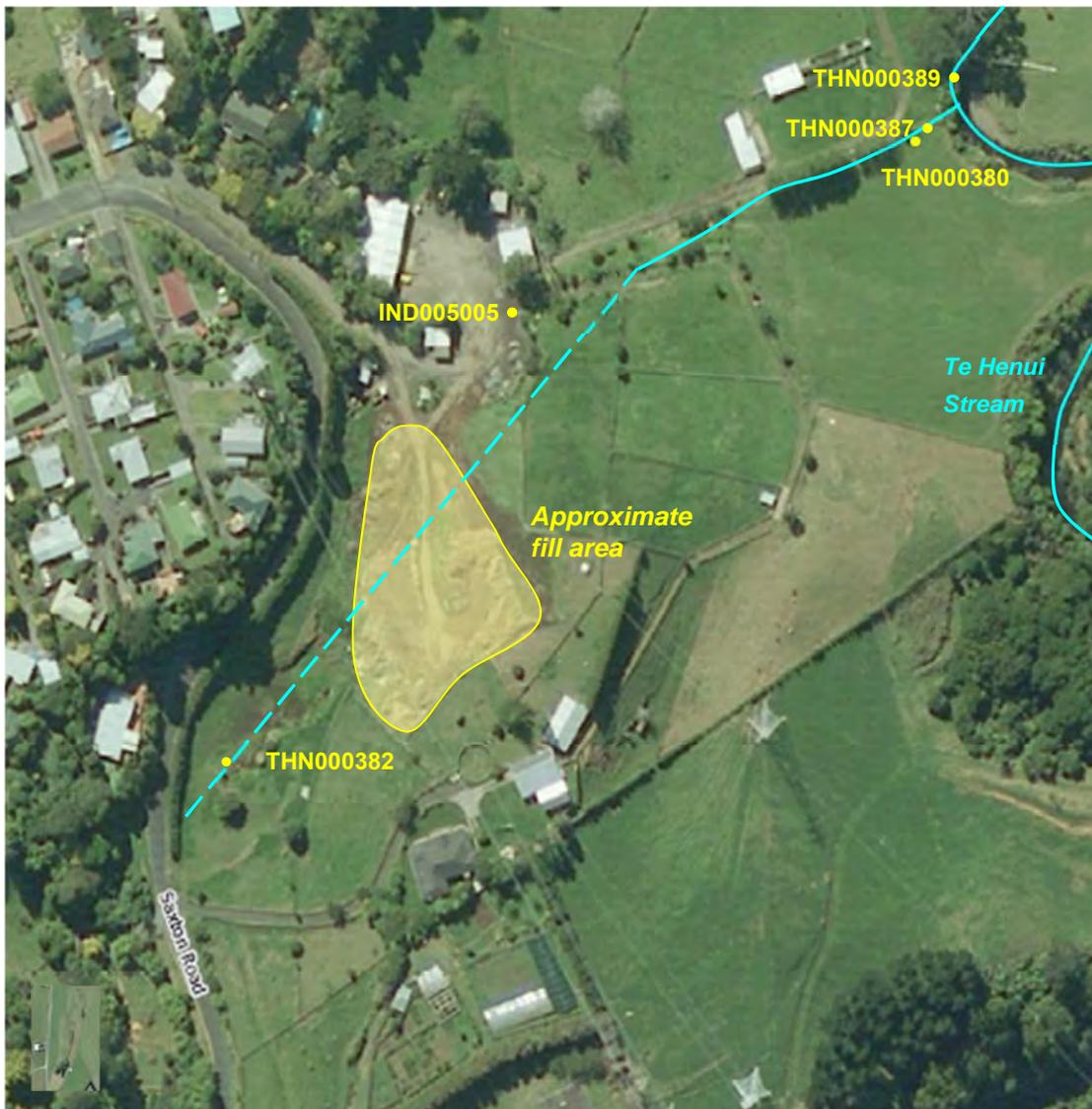


Figure 11 JW & TC Bailey Ltd's cleanfill, Saxton Road, New Plymouth

11.2 Results

11.2.1 Inspections

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

13 February 2019

It was noted that this is a completed cleanfill site is now a grassed paddock. There were no active cleanfilling related activities occurring at the time of inspection. Samples were collected of the discharge and in the Te Henui Stream upstream and downstream of the discharge. No visual effects were observed in the receiving water. It was noted that the consents are due to expire on 1 June 2020 and this was the final inspection and sampling at the site.

11.2.2 Results of discharge and receiving water monitoring

Two receiving environment samples were taken from the Te Henui Stream, and a leachate sample was taken on 10 March 2020. 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 25 Chemical analysis of the Te Henui Stream above and below JW & CT Bailey Ltd's cleanfill, and cleanfill leachate, Saxton Road, New Plymouth, 10 March 2020

Parameter	Units	THN000380 (u/s of cleanfill trib)	THN000389 (d/s of cleanfill trib)	IND005005 (cleanfill leachate)
Conductivity @ 25°C	mS/m	12.2	11.6	20.1
Unionised ammonia	g/m ³	<0.00018	<0.00016	0.0031
Ammoniacal nitrogen	g/m ³ -N	<0.010	<0.010	1.12
pH	pH	7.7	7.6	6.9
Temperature	°C	16.4	16.5	16.7

The results show that there was no significant change in water quality in the Te Henui Stream between the sampling sites up and downstream of the tributary that runs under the cleanfill. The conductivity reduced slightly unchanged which indicates that there is no significant leaching into the Te Henui Stream. The ammoniacal nitrogen in the Te Henui Stream at the upstream site was below the detection limit of the method employed, following the highest recorded value at this site to date being found during the 2018-2019 year. Downstream of the cleanfill tributary during the year under review the ammoniacal nitrogen remained below detectable levels.

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

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

Historical monitoring indicated that the levels ammoniacal nitrogen in the leachate reduced significantly between 1993 and 2008. During the 2008 to 2015 years results indicated that there may have been an emerging increasing trend. The results obtained during the 2016-2020 years indicated that the concentrations have stabilised at a level not uncommon in agricultural environments.

11.2.3 Investigations, interventions, and incidents

In the 2019-2020 period, the Council was not required to undertake significant additional investigations and interventions, or record incidents, in association with Bailey's conditions in resource consents or provisions in Regional Plans.

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. The expiry dates for the consents was 1 June 2020. Prior to this date Bailey's contacted the Council to confirm that they did not require renewing. As under the RMA it is now a permitted activity to maintain existing culverts consent 5824-2 did not require renewal. Consent 4999-3 was allowed to expire without renewal as results of monitoring indicated that there was little, if any, leachate contamination in the unnamed tributary of the Te Henui Stream and no effects were found in the Te Henui Stream itself.

11.3.2 Environmental effects of exercise of consents

Results of sampling showed that this historic cleanfill was having no effect on the receiving water.

11.3.3 Evaluation of performance

A tabular summary of Bailey's compliance record for the period under review is set out in Table 26 and Table 27.

Table 26 Summary of performance for JW & CT Bailey Ltd's leachate consent 4999-3

<i>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</i>		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
1. Maintain stormwater drains and contours at the site	Inspections	Yes
2. Prevent or minimise any likely adverse effects on the environment due to the discharge of leachate	Inspections	Yes
3. Discharge shall not alter water quality in the Te Henui Stream	Inspections and water sampling	Yes
4. Prevent or minimise any likely adverse effects on the environment due to any discharge at the site	Inspections and water sampling	Yes
5. Optional review provision re environmental effects	No further provision for review prior to expiry	N/A
Overall assessment of environmental performance in respect of this consent		High
Overall assessment of administrative performance in respect of this consent		High

N/A = not applicable

Table 27 Summary of performance for JW & CT Bailey Ltd's culvert consent 5824-2

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

N/A = not applicable

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

11.3.4 Recommendations from the 2018-2019 Annual Report

In the 2018-2019 Annual Report it was recommended:

1. THAT in the first instance, the monitoring of discharges from Bailey's cleanfill in the 2019-2020 year remains unchanged from that of 2018-2019.
2. THAT should there be issues with environmental or administrative performance in 2019-2020, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

Recommendation 1 was implemented and implementation of recommendation 2 was not required.

11.3.5 Alterations to the monitoring programme for 2020-2021

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

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

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

It is proposed that for 2020-2021, the site be removed from the monitoring programme as there occurring at the site that required the expiring consents to be renewed.

It should be noted that the proposed programme represents a reasonable and risk-based level of monitoring for the site(s) in question. The Council reserves the right to subsequently adjust the programme from that initially prepared, should the need arise if potential or actual non-compliance is determined at any time during 2020-2021.

11.4 Recommendations

1. THAT monitoring the monitoring of discharges from Bailey's cleanfill cease from the start of the 2020-2021 year as there are no further consenting requirement in relation to this site and the consents have been allowed to expire.

12 TPJ Partnership – Rainie Road, Hawera

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 approximate fill area is shown in the figure below. The full extent permitted is shown in the consent (Appendix I).

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

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

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

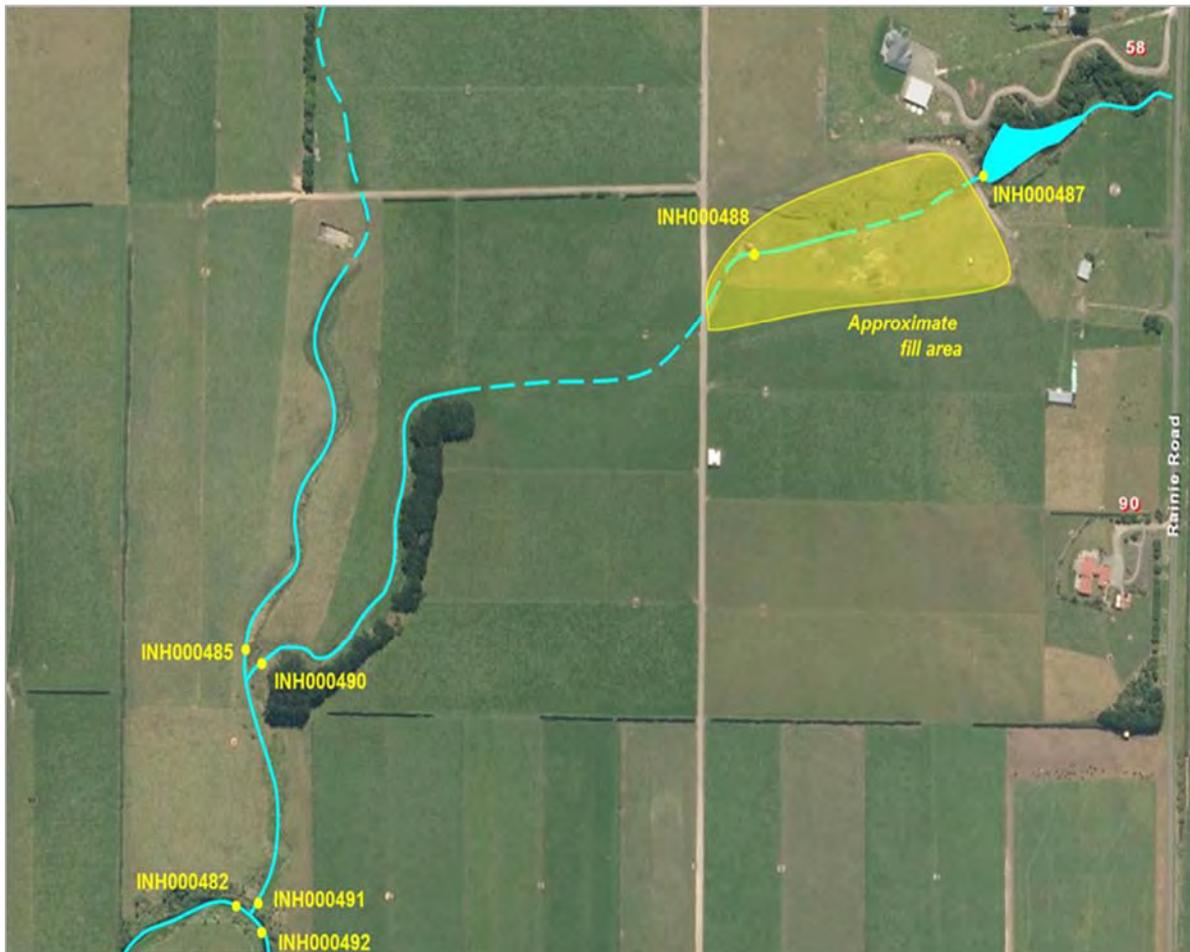


Figure 12 TPJ Partnership's cleanfill and sampling sites at Rainie Road, Hawera

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 which had been undertaken without the necessary authorization. In addition the consent provided for the future piping of another 45 m section of the stream (Figure 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 three year period, depending on how long it takes to fill the gully. An application to vary this consent was received and a varied consent granted on 12 June 2019 to change the date by which the riparian planting needs to be completed. The application was made to address a non-compliance identified in the 2017-2018 Annual Report and is discussed further in Section(s) 12.2.2 and 12.2.4.

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

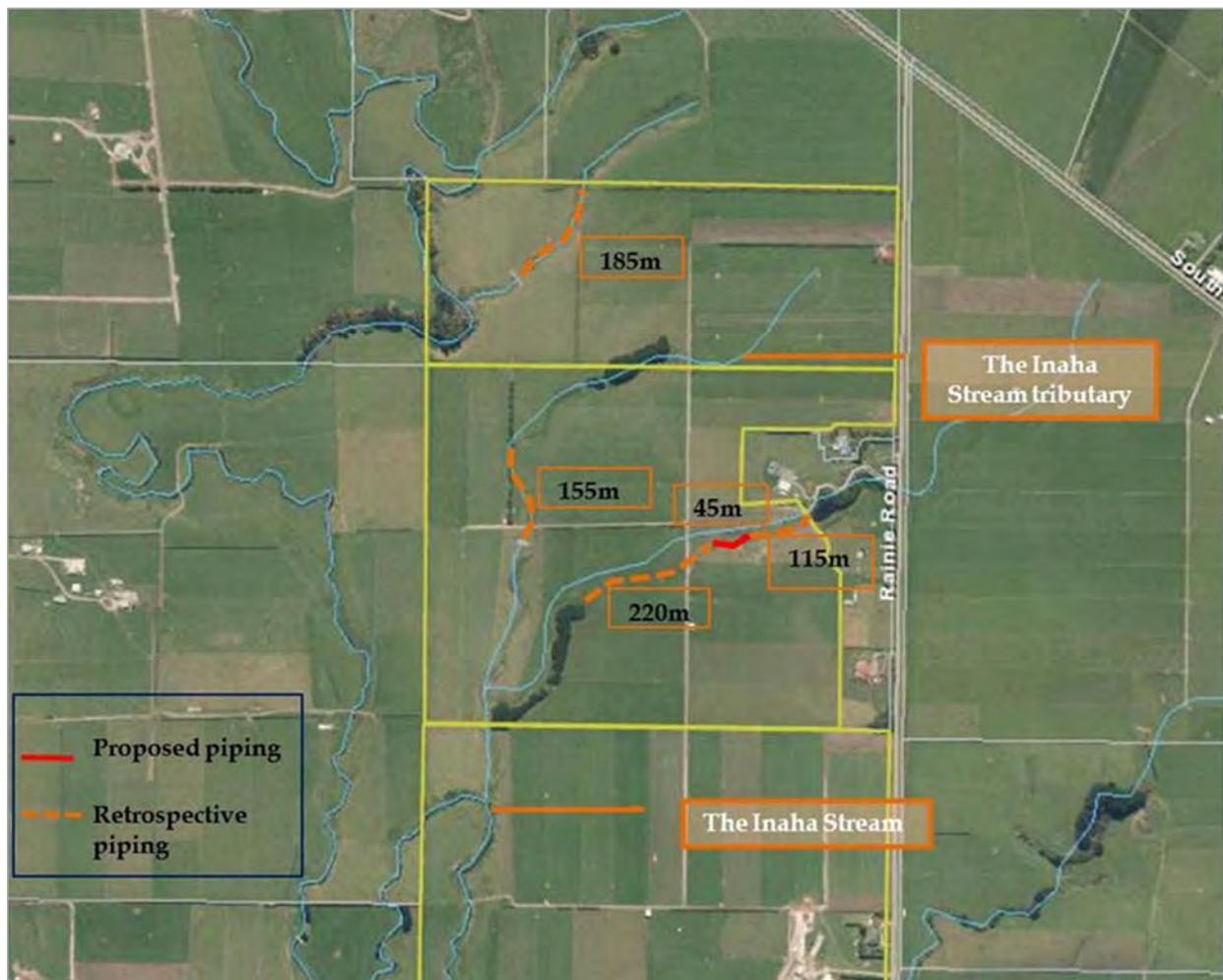


Figure 13 Map of TPJ Partnership retrospective and proposed piping

12.2 Results

The consent holder is required to contact Council regarding the disposal of material, particularly when there is any doubt about whether or not it is acceptable under the conditions of the consent. During the year under review, there were no approvals sought or notifications received regarding disposals at the site.

12.2.1 Inspections

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

4 March 2020

The site appeared to be well used, with a large amount of demolition debris on the tip face. A truck came while the inspecting officer was undertaking the inspection, unloading what appeared to be soil from culverting activities being carried out in the stream beyond the cleanfill area (consent 10209). No unauthorised materials were observed at the time of inspection and no dust or odours were noted. A discharge of approximately 0.1 L/s was entering the tributary below the cleanfill and a sample was collected.

12 May 2020

The gates to the site were found to be unlocked on arrival. The inspection carried out with a second Council Officer in attendance. At arrival the site appeared to be well maintained with large stock piles of cleanfill and some unacceptable material placed off to the side. On further investigation of the tip face it became clearly evident that there had been a number of loads of construction material discharged at the site. This material included, but was not limited to broken concrete with large amounts of exposed re-enforcing bar, painted timber, carpet and iron roofing. While on site a TPJ representative arrived and showed the inspecting officers the log book. Another representative was contacted who arrived a short time later. He was informed of the unacceptable material that had been discharged at the site. It was ascertained that the material had come from Hawera High School and been discharged by Central Demolition.

27 May 2020

The gates to the site were open on arrival. It was noted that the site is large and well used, with no unacceptable material observed. At the time of inspection a truck was unloading material from the demolition of a residential house, the material appeared to be timber framing which was not tanalised, and as such was suitable to be discharged. It was noted that the consent holder was in the process of applying for a consent variation to allow a wider range of demolition material to be discharged at the site, including painted wood. The silt fence/trap had been damaged by stock and it was agreed that this would be repaired.

12.2.2 Riparian planting

The piping consent contains requirements for riparian fencing and planting to be undertaken. The consent was varied in June 2019 to extend the due date for the completion of the riparian planting. The varied consent requires that the fencing and riparian planting specified in the Riparian Management Plan for the property be completed before 1 August 2020.

12.2.3 Results of discharge and receiving water monitoring

One water quality samples was taken during the monitoring period. Two sites were established in respect to the TPJ cleanfill, however. As the TPJ site is an atypical cleanfill, initially an additional range of parameters will be monitored. The parameters monitored at this cleanfill are pH, conductivity, ammoniacal nitrogen, suspended solids, sulphate, arsenic, copper, lead, and zinc. The results of this sampling are summarised in the following table.

Table 28 Sampling results from the TPJ Partnership cleanfill's receiving waters, 4 March 2020

Parameter	Units	INH000488 (Immediately d/s of cleanfill)
Conductivity @ 25 °C	mS/m	44.1
Unionised ammonia	g/m ³	0.00113
Ammoniacal nitrogen	g/m ³ -N	0.21
pH	pH	7.1
Temperature	°C	18.8
Arsenic Dissolved	g/m ³	<0.0010
Arsenic Total	g/m ³ ,mg/kg	<0.0011
Copper Acid Soluble	g/m ³	0.0008
Copper Dissolved	g/m ³	<0.0005
Lead Acid Soluble	g/m ³	<0.00010
Lead Dissolved	g/m ³	<0.00010
Sulphate	g/m ³	29
Suspended Solids	g/m ³	5
Zinc Acid Soluble	g/m ³	<0.0010
Zinc Dissolved	g/m ³	<0.0010

These results show little, if any, evidence of contaminants leaching from the cleanfill at the time of sampling.

12.2.4 Investigations, interventions, and incidents

Table 29 below sets out details of any incidents recorded, additional investigations, or interventions required by the Council in relation to the TPJ's activities during the 2019-2020 period. This table presents a summary of all events that required further investigation or intervention regardless of whether these were found to be compliant or not.

ENF-22509

Table 29 TPJ Partnership's incidents, investigations, and interventions summary table

Date	Details	Compliant (Y/N)	Enforcement Action Taken?	Outcome
14 May 2020	Discharge of prohibited material (Hawera High School demolition material) and inadequate silt and sediment controls	N	Abatement notice issued and a letter of explanation requested. Infringement notice subsequently issued	Unacceptable material removed

12.3 Discussion

12.3.1 Discussion of site performance

The cleanfill is currently operational. It was found that unauthorised material had been discharged at the site on one inspection and that improvements and or repairs to silt controls were found to be required on two of

the three inspections. No notification was received prior to the discharge of materials found at the inspections undertaken in May as required by the consent.

The riparian fencing and planting had fallen behind consent requirements, with the additional protected stream bank length being only 63 % of that required by June 2018. To address this, a consent variation was applied for, and consent 10209-1.1 was granted on 12 June 2019. This consent variation provides an extension of time until 1 August 2020 for the riparian fencing and planting to be completed.

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 and the unconsented material that had the potential to result in environmental effects was removed promptly following the issuing of an abatement notice. No significant adverse effects would be expected from the non-compliance with the riparian planting schedule required by the consent.

12.3.3 Evaluation of performance

A tabular summary of TPJ's compliance record for the period under review is set out in Table 30 and Table 31.

Table 30 Summary of performance for TPJ Partnership's cleanfill consent 10202-1

Purpose: To discharge cleanfill and inert materials onto and into land, where contaminants may enter into an unnamed tributary of the Inaha Stream		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
1. Notify at least seven days prior to commencement of fill operations	Review of Council records and inspections	Yes
2. Discharge fill in permitted area only	Inspections	Yes
3. Only discharge cleanfill and/or inert materials	Inspections	Yes
4. No discharge of prohibited materials listed in the consent	Inspections	Yes
5. If the acceptability of a substance is uncertain, obtain approval from the Council	Approvals sought and disposals undertaken in line with Council requirements	Yes
6. Notify Council at least two days prior to any discharge on site	Review of Council records and inspections	No
7. Record discharger, source, nature, volume and date of any discharges and provide information to Council if requested	Inspection, check of Council records	Yes
8. Install and maintain stormwater diversion drains	Inspections	Yes
9. Minimise effects on water	Inspections and sampling	Yes
10. Maintain appropriate contour	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?
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 2021	N/A
Overall assessment of environmental performance in respect of this consent		Improvement required
Overall assessment of administrative performance in respect of this consent		Improvement required

N/A = not applicable

Table 31 Summary of performance for TPJ Partnership's culvert installation consent 10209-1.1

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	Not assessed	N/A
2. Specifies minimum pipe diameter	Not assessed	N/A
3. Recontour to define secondary flow path	Not assessed	N/A
4. Specifies dimensions of secondary flow path	Not assessed	N/A
5. Specifies installation methods	Not assessed	N/A
6. Maintain pipe and secondary flow path to prevent blocking	Not assessed	N/A
7. Notify Council at least two days prior to work commencing	Not assessed	N/A
8. Fencing and riparian planting to be completed by 1 August 2020	Not assessed	N/A
9. One-off payment to enhance wetland and stream habitat	Not assessed	N/A
10. Take all practicable steps to minimise increased sedimentation and turbidity during installation	Not assessed	N/A

Purpose: To install piping in unnamed tributaries of the Inaha Stream, including associated streambed disturbance and reclamation		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
11. No burying of vegetation within 20 metres of pipes	Not assessed	N/A
12. Stabilise earthworks areas as soon as practicable following completion of soil disturbance	Not assessed	N/A
13. Stop work upon discovery of archaeological remains	Not assessed	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		N/A
Overall assessment of administrative performance in respect of this consent		N/A

N/A = not applicable

During the period under review, an improvement was required in TPJ's level of environmental and administrative performance as defined in Section 1.1.5. On one occasion unauthorised material from the Hawera High School was discharged at the site and inadequate silt controls were found, resulting in an abatement notice being issued requiring the consent holder to comply with the conditions of the consent. An infringement notice was subsequently issued. A review of Council's records also found that no prior notifications were received by Council of the disposal of materials found at the time of the two May inspections.

12.3.4 Recommendations from the 2018-2019 Annual Report

In the 2018-2019 Annual Report it was recommended:

1. THAT in the first instance, monitoring of discharges from TPJ Partnership's cleanfill in the 2019-2020 year continues at the same level as in the 2018-2019 period.
2. THAT should there be issues with environmental or administrative performance in 2019-2020, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

Recommendation 1 was implemented and it was not necessary to implement recommendation 2 as the incident was investigated without requiring additional routine compliance monitoring inspections.

12.3.5 Alterations to the monitoring programme for 2020-2021

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

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

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

It is proposed that for 2020-2021, the programme remains unchanged.

It should be noted that the proposed programme represents a reasonable and risk-based level of monitoring for the site in question. The Council reserves the right to subsequently adjust the programme from that initially prepared, should the need arise if potential or actual non-compliance is determined at any time during 2020-2021.

12.3.6 Exercise of optional review of consents

Resource consents 10202-1 provides for an optional review of the consent in June 2021. Condition 14 allows the Council to review the consent, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of the 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.

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

12.4 Recommendations

1. THAT in the first instance, monitoring of discharges from TPJ Partnership's cleanfill in the 2020-2021 year continues at the same level as in the 2019-2020 period.
2. THAT should there be issues with environmental or administrative performance in 2020-2021, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.
3. THAT the option for a review of resource consent 10202-1 in June 2021, as set out in condition 14 of the consent, not be exercised, on the grounds that current conditions are adequate to deal with the potential effects of this activity.

13 Taranaki Trucking Company Ltd – Cardiff Road, Stratford

13.1 Site description and activities

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

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

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

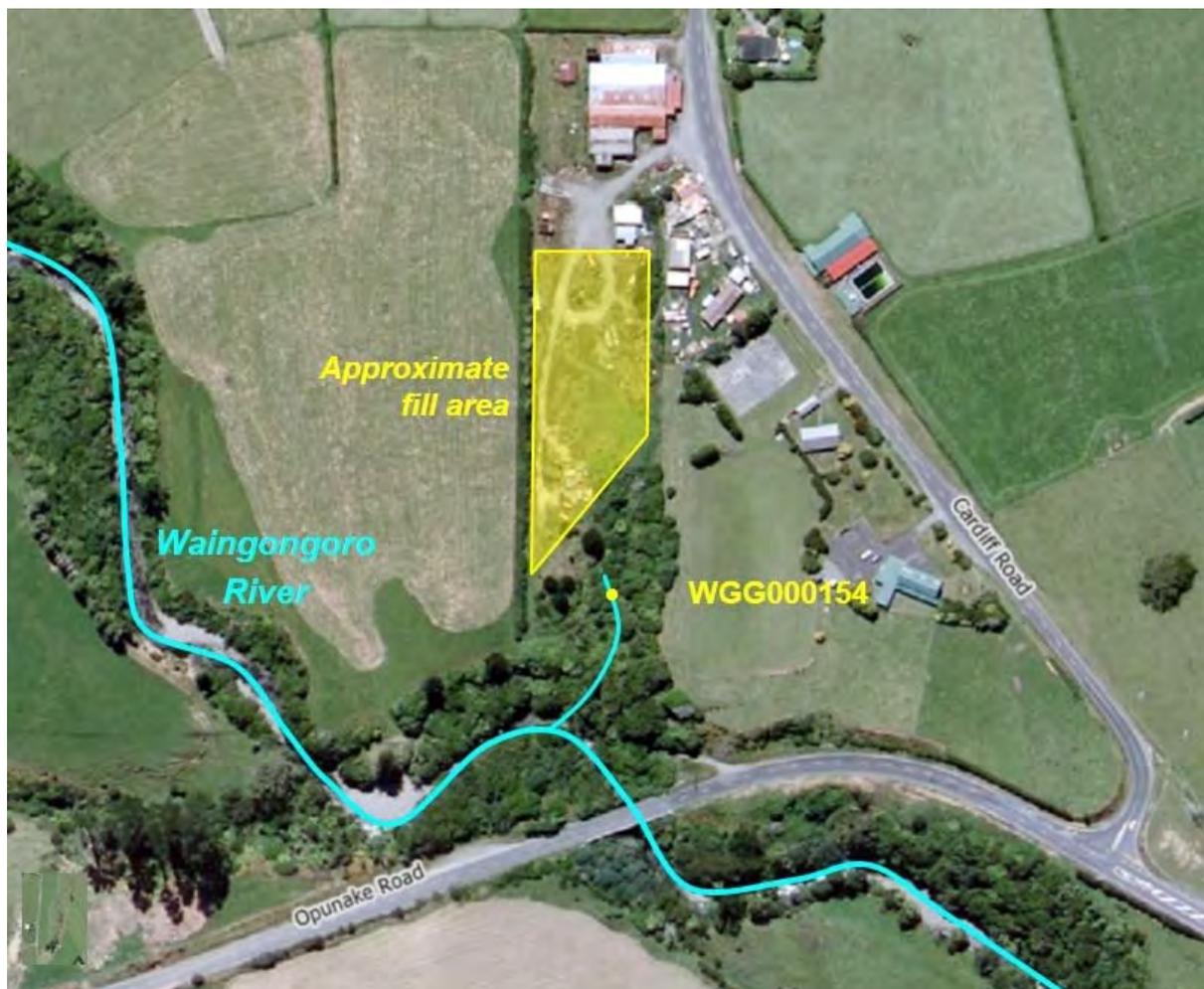


Figure 14 Taranaki Trucking Company Ltd's cleanfill and sampling sites at Cardiff Road, Stratford

13.2 Results

13.2.1 Inspections

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

10 December 2019

It was found that there had been recent cleanfilling activity on the site, and it appearing that there had been no work carried out at the site since the previous inspection. It was found that the site remained well vegetated with no ponding or site disturbance observed. It was reported that there were no issues to note during inspection.

4 March 2020

There was no activity at the site at the time of inspection and it appeared that the site may have been unused for quite some time as the whole area was very well vegetated. No prohibited fill was observed at the site and no dust or odours were noted. There was no evidence of visible at the time of inspection in relation to current or past activity regarding the installation of a culvert. Taranaki Trucking were informed that a sample was not able to be collected at the time of this inspection as the flow at the sampling site was too low.

13.2.2 Results of receiving environment monitoring

A water quality sample was not able to be collected at inspection due to the very low flow conditions. The results from previous analyses indicate that the cleanfill's presence is having little, if any, effect on water quality in the Waingongoro Stream and no visible effects were found at the time of inspection during the year under review.

13.2.3 Investigations, interventions, and incidents

In the 2019-2020 period, the Council was not required to undertake significant additional investigations and interventions, or record incidents, in association with Taranaki Trucking's conditions in resource consents or provisions in Regional Plans.

13.3 Discussion

13.3.1 Discussion of site performance

Inspections indicated that there no work appeared to be occurring at this cleanfill site during the year under review. The site was found to be well managed on both monitoring occasions during the year under review.

Although an application was received to renew the cleanfill consent, the associated piping consent 6280-1 had lapsed, due to the fact that the consent had not been given effect to within the required time period. Only a limited amount of filling can occur without the installation of the necessary piping. An application form was provided to the consent holder on 12 April 2017, and the processing of the cleanfill consent was put on hold until the application for this related activity was also received. The consent holder has been advised that the current cleanfill area cannot be extended until the piping has been re-consented and installed.

13.3.2 Environmental effects of exercise of consents

Although a sample could not be obtained during the year under review, there were no visual effects noted in the very low flowing tributary at the time of inspection. 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 Table 32.

Table 32 Summary of performance for Taranaki Trucking Company Ltd's cleanfill consent 5561-1

Purpose: To discharge cleanfill onto land in the vicinity of an unnamed tributary of the Waingongoro River		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
1. Consent exercised in accordance with information supplied	Inspections	Yes
2. Only discharge cleanfill and/or inert materials	Inspections	Yes
3. No discharge of materials detailed in the consent	Inspections	Yes
4. If the acceptability of a substance is uncertain, obtain approval from the Council	No approval sought	N/A
5. Discharge to land shall not result in contamination of surface water	Sampling	Yes
6. Silt retention structures shall be installed if required	Inspections	Yes
7. Stormwater control drains shall be installed if required	Inspections	Yes
8. Adopt best practice	Inspections	Yes
9. Upon completion the discharge site shall be contoured	Site still in use	Yes
10. Review condition	No further option for review prior to expiry	N/A
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, Taranaki Trucking demonstrated a high level of environmental performance and a high level of administrative performance with their resource consents as defined in Section 1.1.5. It is noted that

very little further filling can now occur at the site until the required piping has been re-consented and installed and that there was no evidence of any activity at the site during the year under review.

13.3.4 Recommendations from the 2018-2019 Annual Report

In the 2018-2019 Annual Report it was recommended:

1. THAT in the first instance, monitoring of discharges from Taranaki Trucking's cleanfill in the 2019-2020 year continues at the same level as in the 2018-2019 period.
2. THAT should there be issues with environmental or administrative performance in 2019-2020, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

Recommendation 1 was implemented whilst recommendation 2 did not require implementation.

13.3.5 Alterations to the monitoring programme for 2020-2021

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

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

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

It is proposed that for 2020-2021, the programme remains unchanged.

It should be noted that the proposed programme represents a reasonable and risk-based level of monitoring for the site in question. The Council reserves the right to subsequently adjust the programme from that initially prepared, should the need arise if potential or actual non-compliance is determined at any time during 2020-2021

13.4 Recommendations

1. THAT in the first instance, monitoring of discharges from Taranaki Trucking's cleanfill in the 2020-2021 year continues at the same level as in the 2019-2020 period.
2. THAT should there be issues with environmental or administrative performance in 2020-2021, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

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 in the first instance, monitoring of discharges from AA Contracting's cleanfill in the 2020-2021 period continues at the same level as in 2019-2020.
2. THAT in the first instance, monitoring of discharges from the George Family's cleanfill in the 2020-2021 period continues at the same level as in 2019-2020.
3. THAT the option for a review of resource consent 9680-1.1 in June 2021, as set out in condition 10 of the consent, not be exercised, on the grounds that current conditions are adequate to deal with the potential effects of this activity.
4. THAT the option for a review of resource consent 10748-1 in June 2021, as set out in condition 12 of the consent, not be exercised, on the grounds that current conditions are adequate to deal with the potential effects of this activity.
5. THAT in the first instance, monitoring of discharges from Riddick's cleanfill in the 2020-2021 year continues at the same level as in 2019-2020.
6. THAT in the first instance, monitoring of discharges from Bishop's cleanfill on Ahu Ahu Road in the 2020-2021 year continues at the same level as in 2019-2020.
7. THAT in the first instance, monitoring of Dennis Wheeler Earthmoving's cleanfill in the 2020-2021 year continues at the same level as in 2019-2020.
8. THAT in the first instance, monitoring of discharges from Downer's Dorset Road cleanfill in 2020-2021 year continues at the same level as in 2019-2020.
9. THAT in the first instance, monitoring of discharges from Downer's Veale Road cleanfill in the 2020-2021 year continues at the same level as in 2019-2020.
10. THAT in the first instance, monitoring of discharges from Downer's South Road cleanfill in the 2020-2021 be amended from that of 2019-2020 to include iron and zinc determination.
11. THAT in the first instance, monitoring of discharges from Gas and Plumbing's cleanfill in the 2020-2021 year continues at the same level as in 2019-2020.
12. THAT monitoring the monitoring of discharges from Bailey's cleanfill cease from the start of the 2020-2021 year as there are no further consenting requirement in relation to this site and the consents have been allowed to expire.
13. THAT in the first instance, monitoring of discharges from TPJ Partnership's cleanfill in the 2020-2021 year continues at the same level as in the 2019-2020 period.
14. THAT the option for a review of resource consent 10202-1 in June 2021, as set out in condition 14 of the consent, not be exercised, on the grounds that current conditions are adequate to deal with the potential effects of this activity.
15. THAT in the first instance, monitoring of discharges from Taranaki Trucking's cleanfill in the 2020-2021 year continues at the same level as in 2019-2020.
16. Applicable to all cleanfills: THAT should there be issues with environmental or administrative performance in 2020-2021, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

Glossary of common terms and abbreviations

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

Conductivity	Conductivity, an indication of the level of dissolved salts in a sample, usually measured at 25°C and expressed in mS/m.
DO	Dissolved oxygen.
g/m ³	Grams per cubic metre, and equivalent to milligrams per litre (mg/L). In water, this is also equivalent to parts per million (ppm), but the same does not apply to gaseous mixtures.
Incident	An event that is alleged or is found to have occurred that may have actual or potential environmental consequences or may involve non-compliance with a consent or rule in a regional plan. Registration of an incident by the Council does not automatically mean such an outcome had actually occurred.
Intervention	Action/s taken by Council to instruct or direct actions be taken to avoid or reduce the likelihood of an incident occurring.
Investigation	Action taken by Council to establish what were the circumstances/events surrounding an incident including any allegations of an incident.
L/s	Litres per second.
mS/m	Millisiemens per metre.
Mixing zone	The zone below a discharge point where the discharge is not fully mixed with the receiving environment. For a stream, conventionally taken as a length equivalent to 7 times the width of the stream at the discharge point.
NH ₄	Ammonium, normally expressed in terms of the mass of nitrogen (N).
NH ₃	Unionised ammonia, normally expressed in terms of the mass of nitrogen (N).
NTU	Nephelometric Turbidity Unit, a measure of the turbidity of water.
pH	A numerical system for measuring acidity in solutions, with 7 as neutral. Numbers lower than 7 are increasingly acidic and higher than 7 are increasingly alkaline. The scale is logarithmic i.e. a change of 1 represents a ten-fold change in strength. For example, a pH of 4 is ten times more acidic than a pH of 5.
Physicochemical	Measurement of both physical properties (e.g. temperature, clarity, density) and chemical determinants (e.g. metals and nutrients) to characterise the state of an environment.
Resource consent	Refer Section 87 of the RMA. Resource consents include land use consents (refer Sections 9 and 13 of the RMA), coastal permits (Sections 12, 14 and 15), water permits (Section 14) and discharge permits (Section 15).
RMA	<i>Resource Management Act 1991</i> and including all subsequent amendments.
Temp	Temperature, measured in °C (degrees Celsius).
Turb	Turbidity, expressed in NTU.

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

For further information on analytical methods, contact a Scientific Services Manager.

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

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

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

Water abstraction permits

Section 14 of the RMA stipulates that no person may take, use, dam or divert any water, unless the activity is expressly allowed for by a resource consent or a rule in a regional plan, or it falls within some particular categories set out in Section 14. Permits authorising the abstraction of water are issued by the Council under Section 87(d) of the RMA.

Water discharge permits

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. Permits authorising discharges to water are issued by the Council under Section 87(e) of the RMA.

Air discharge permits

Section 15(1)(c) of the RMA stipulates that no person may discharge any contaminant from any industrial or trade premises into air, unless the activity is expressly allowed for by a resource consent, a rule in a regional plan, or by national regulations. Permits authorising discharges to air are issued by the Council under Section 87(e) of the RMA.

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. Permits authorising the discharge of wastes to land are issued by the Council under Section 87(e) of the RMA.

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. Land use permits are issued by the Council under Section 87(a) of the RMA.

Coastal permits

Section 12(1)(b) of the RMA stipulates that no person may erect, reconstruct, place, alter, extend, remove, or demolish any structure that is fixed in, on, under, or over any foreshore or seabed, unless the activity is expressly allowed for by a resource consent, a rule in a regional plan, or by national regulations. Coastal permits are issued by the Council under Section 87(c) of the RMA.

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.

Consent 5179-2.0

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

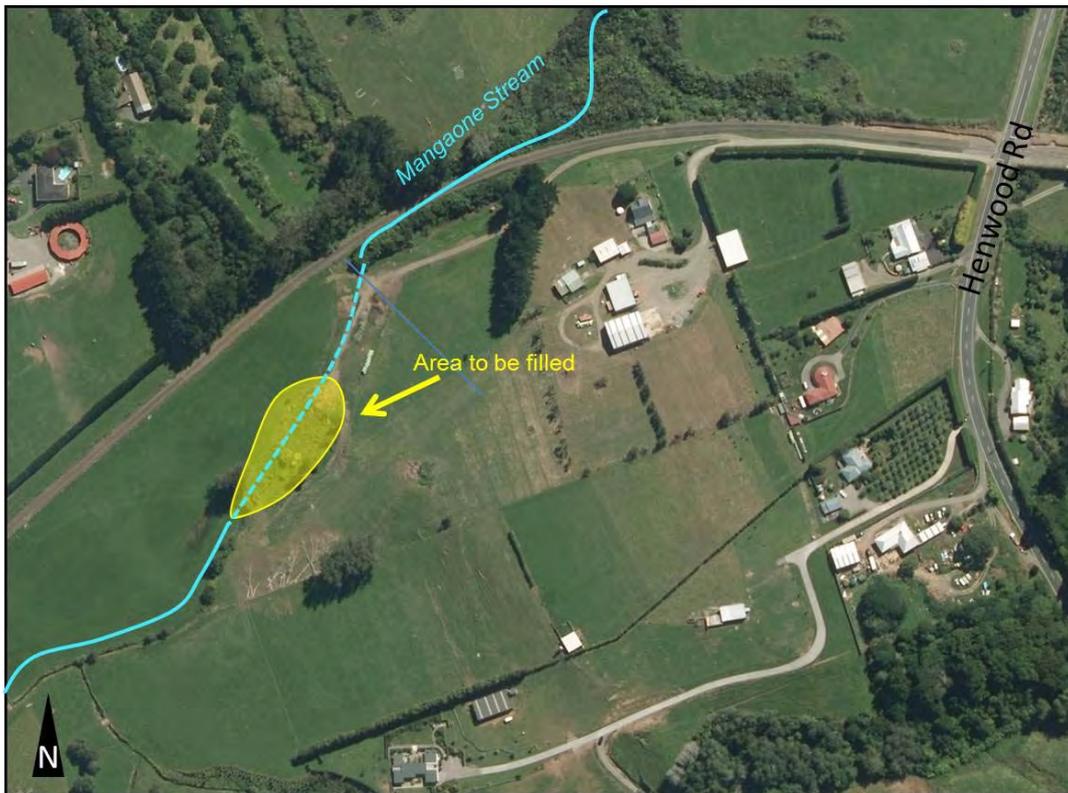


Figure 2 Area where the discharge of cleanfill is permitted.

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)
PO Box 35
Inglewood 4347

Decision Date (Change): 19 June 2019

Commencement Date (Change): 19 June 2019 (Granted Date: 13 September 2013)

Conditions of Consent

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

Expiry Date: 1 June 2027

Review Date(s): June 2021

Site Location: 31 Lower Dudley Road, Inglewood

Grid Reference (NZTM) 1704663E - 5664476N and 1704666E - 5664336N

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 plans 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), 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.

Consent 9680-1.1

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.
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 19 June 2019

For and on behalf of
Taranaki Regional Council

A D McLay
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: A & A George Family Trust
(Trustees: Aaron Robert & Allana Jane George)
PO Box 35
Inglewood 4347

Decision Date 19 June 2019

Commencement Date 19 June 2019

Conditions of Consent

Consent Granted: To install piping in a section of an unnamed tributary of the Kurapete Stream, including associated stream bed disturbance and reclamation

Expiry Date: 1 June 2033

Review Date(s): June 2021, June 2027

Site Location: 31 Lower Dudley Road, Inglewood

Grid Reference (NZTM) Between 1704630E- 5664488N and 1704677E-5664569N

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. This consent authorises the laying of piping and subsequently filling the piped reach in approximately 83 metres of stream bed between approximate grid references (NZTM) 1704630E- 5664488N and 1704677E-5664569N, 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.
2. The piping shall have diameter of no less than:
 - (a) 300 mm for the entire length of piping in the stream bed; and
 - (b) two 150 mm of 65 metres long slotted drainage pipe.
3. The piping shall be maintained to ensure it does not become blocked, and at all times, allow the free flow of water through.
4. 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.
5. To remedy and mitigate the adverse environmental effects of this consent, the consent holder shall make a single payment of \$2490 (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 before 31 August 2019.
6. A layer of rock riprap 600 mm thick shall be installed in the stream bed. The riprap shall extend, at a minimum, 2.5 metres downstream of the pipe outlet. The rock shall have the following grading:
 - (a) 100% less than 400 mm diameter;
 - (b) 50% greater than 300 mm diameter;
 - (c) 90% greater than 150 mm diameter.
7. The consent holder shall take all practicable steps to minimise sedimentation and increased turbidity of the stream during installation of the piping, including by:
 - (a) completing all works in the minimum time practicable;
 - (b) avoiding placement of excavated material in the flowing channel; and
 - (c) keeping machinery out of the actively flowing channel, as far as practicable.
8. No vegetation shall be buried within 20 metres of the piped stream.

Consent 10748-1.0

9. 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.

10. 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.
11. This consent shall lapse on 30 June 2024, 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 2021 and/or June 2027, 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 19 June 2019

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: 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



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

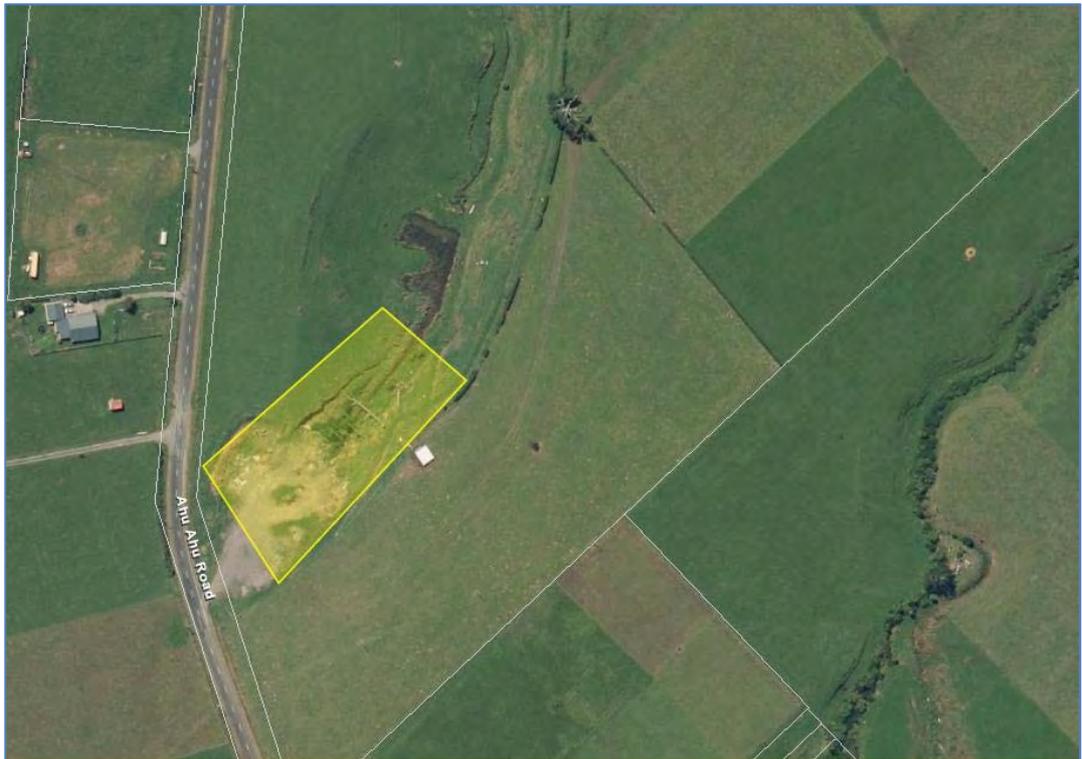


Figure 1 Area where the discharge of cleanfill is permitted.

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: Barry John & Lynette Betty Bishop
120 Ahu Ahu Road
RD 4
New Plymouth 4374

Decision Date 14 June 2019

Commencement Date 14 June 2019

Conditions of Consent

Consent Granted: To reclaim a stream by the ongoing use of existing piping in the headwaters of an unnamed tributary of the Waimoku Stream for cleanfilling activities

Expiry Date: 1 June 2037

Review Date(s): June 2025, June 2031

Site Location: 123 Ahu Ahu Road, Kaitake

Grid Reference (NZTM) 1680438E-5667279N

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 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 reclamation of approximately 70 metres of stream bed by pipe existing at the time this consent is issued.
2. The piping shall remain the responsibility of the consent holder and be maintained so that:
 - a) it does not become blocked, and at all times allows the free flow of water through it; and
 - b) the consent holder repairs any erosion, scour or instability of the stream bed or banks that the piping causes.
3. 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 2025 and June 2031 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 14 June 2019

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: Denis Wheeler Earthmoving Limited
PO Box 9013
New Plymouth 4351

Decision Date: 8 March 2016

Commencement Date: 8 March 2016

Conditions of Consent

Consent Granted: To discharge cleanfill onto and into land

Expiry Date: 1 June 2032

Review Date(s): June 2020, June 2026

Site Location: Paraitē Road, Bell Block

Grid Reference (NZTM) 1700566E-5676542N

Catchment: Mangati

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

General condition

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

Special conditions

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

Consent 10234-1.0

8. The consent holder shall install and maintain stormwater diversion drains to minimise stormwater entering the cleanfill discharge area to the satisfaction of the Chief Executive, Taranaki Regional Council.
9. The consent holder shall at all times adopt the best practicable option or options (as defined in section 2 of the Resource Management Act 1991) to prevent or minimise any actual or potential effect on the environment arising from any discharge at the site.
10. The consent holder shall ensure that exposed surfaces of the discharge area are progressively capped upon completion of each discharge activity and following the filing of the entire discharge area. The fill cap shall:
 - have a minimum layer of compacted clay, at least 300 mm thick and shall be covered with topsoil, no less than 100 mm thick;
 - be contoured to prevent ponding and promote runoff from the fill cap area; and
 - be stabilised and vegetated in a manner that withstands subsidence erosion or scouring.
11. This consent shall lapse on 31 March 2021, unless the consent is given effect to before the end of that period or the Taranaki Regional Council fixes a longer period pursuant to section 125(1)(b) of the Resource Management Act 1991.
12. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2020 and/or June 2026, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Signed at Stratford on 8 March 2016

For and on behalf of
Taranaki Regional Council

A D McLay
Director - Resource Management

Advice Note (included at the request of DITAG)

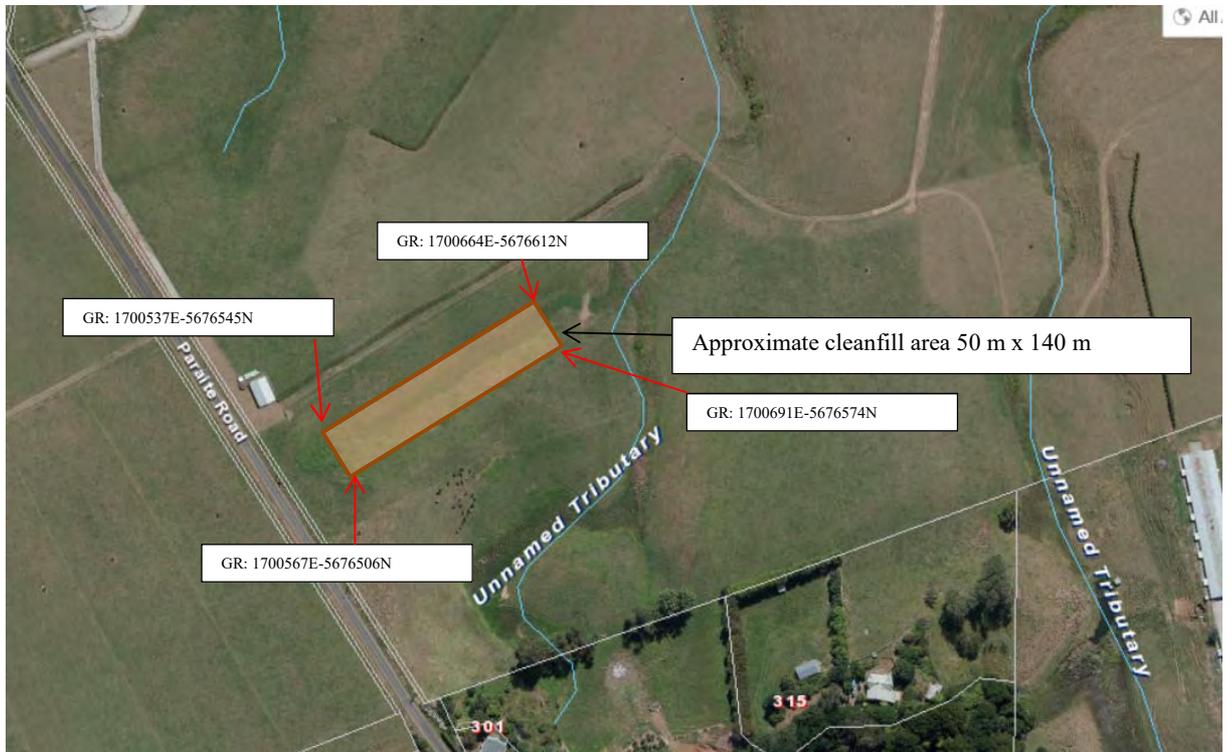
The consent holder's attention is drawn to MPI's "New Zealand Code of Practice for the Design and Operation of Farm Dairies (NZCP1) which restricts:

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

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

Appendix 1

Area where the discharge of cleanfill is permitted



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

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

Decision Date: 6 May 2013

Commencement Date: 6 May 2013

Conditions of Consent

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

Expiry Date: 1 June 2032

Review Date(s): June 2020, June 2026

Site Location: 195A Dorset Road, New Plymouth

Legal Description: Lot 1 DP 415473 (Discharge site)

Grid Reference (NZTM) 1698416E-5674087N

Catchment: Waiwhakaiho

Tributary: Mangaone
Manganaha

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

General condition

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

Special conditions

1. At least 7 working days prior to the commencement of works the consent holder shall notify the Taranaki Regional Council of the proposed start date for the work. Notification shall include the consent number and a brief description of the activity consented and shall be emailed to worknotification@trc.govt.nz.
2. The discharge of cleanfill shall only occur in the area shaded on the plan attached.
3. The contaminants to be discharged shall be limited to cleanfill and/or inert materials. For the purposes of this condition, "clean fill and inert materials" are defined as materials consisting of any concrete, cement or cement wastes, bricks, mortar, tiles (clay, ceramic or concrete), non-tanalised timber, porcelain, glass, gravels, boulders, shingles, fibreglass, plastics, sand, soils and clays, and/or tree stumps and roots, whether singly or in combination or mixture, or any other material (subject to condition 2) that when placed onto and into land will not render that land or any vegetation grown on that land toxic to vegetation or animals consuming vegetation.
4. The discharge of the following contaminants shall not occur: food wastes, paper and cardboard, grass clippings, garden wastes including but not limited to wastes containing foliage or other vegetation (other than tree stumps and roots as permitted under condition 3), textiles, steel, galvanised metals, construction materials containing paint or fillers or sealers or their containers, oils or greases or any liquids or sludges or their containers, any industrial process by-products other than as permitted under condition 3, any poisons or solvents or their containers, batteries, general domestic refuse not otherwise described, or any wastes with the potential to render land or any vegetation grown on the land toxic to vegetation or to animals consuming such vegetation.
5. If the consent holder is uncertain as to the acceptability or not of a certain material the consent holder shall obtain written approval from the Consents Manager, Taranaki Regional Council, prior to its discharge.
6. The discharge to land shall not result in any contaminant entering surface water or groundwater.
7. All run off from any area of exposed soil shall pass through settlement ponds or sediment traps with a minimum total capacity of:
 - a) 100 cubic metres for every hectare of exposed soil between 1 November to 30 April; and
 - b) 200 cubic metres for every hectare of exposed soil between 1 May to 31 October;unless other sediment control measures that achieve an equivalent standard are agreed to by the Chief Executive of the Taranaki Regional Council.

Consent 9532-1

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

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

10. The consent holder shall at all times adopt the best practicable option or options (as defined in section 2 of the Resource Management Act 1991) to prevent or minimise any actual or potential effect on the environment arising from any discharge at the site.
11. This consent shall lapse on 30 June 2018, unless the consent is given effect to before the end of that period or the Taranaki Regional Council fixes a longer period pursuant to section 125(1)(b) of the Resource Management Act 1991.
12. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2022 and/or June 2026, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Transferred at Stratford on 1 April 2016

For and on behalf of
Taranaki Regional Council

A D McLay
Director - Resource Management



Map showing the extent of cleanfill discharge.

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

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

Decision Date: 13 May 2014

Commencement Date: 13 May 2014

Conditions of Consent

Consent Granted: To discharge cleanfill onto and into land

Expiry Date: 1 June 2032

Review Date(s): June 2020, June 2026

Site Location: 82 Veale Road, Frankleigh Park

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

Grid Reference (NZTM) 1692808E-5671860N

Catchment: Huatoki

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

General condition

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

Special conditions

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

Consent 5213-2.0

9. Upon completion of the cleanfill discharge authorised by this consent, the discharge site shall be stabilised and re-vegetated to minimise erosion and stormwater infiltration into the filled area.
10. This consent shall lapse on 30 June 2019, unless the consent is given effect to before the end of that period or the Taranaki Regional Council fixes a longer period pursuant to section 125(1)(b) of the Resource Management Act 1991.
11. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2020 and/or June 2026, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Signed at Stratford on 13 May 2014

For and on behalf of
Taranaki Regional Council

A D McLay
Director-Resource Management

Appendix 1



Figure 2 Area where the discharge of cleanfill is permitted.

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

Name of Consent Holder:	Downer EDI Works Limited P O Box 384 HAWERA 4640
Decision Date (Change):	19 July 2013
Commencement Date (Change):	19 July 2013 (Granted: 11 October 2006)

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

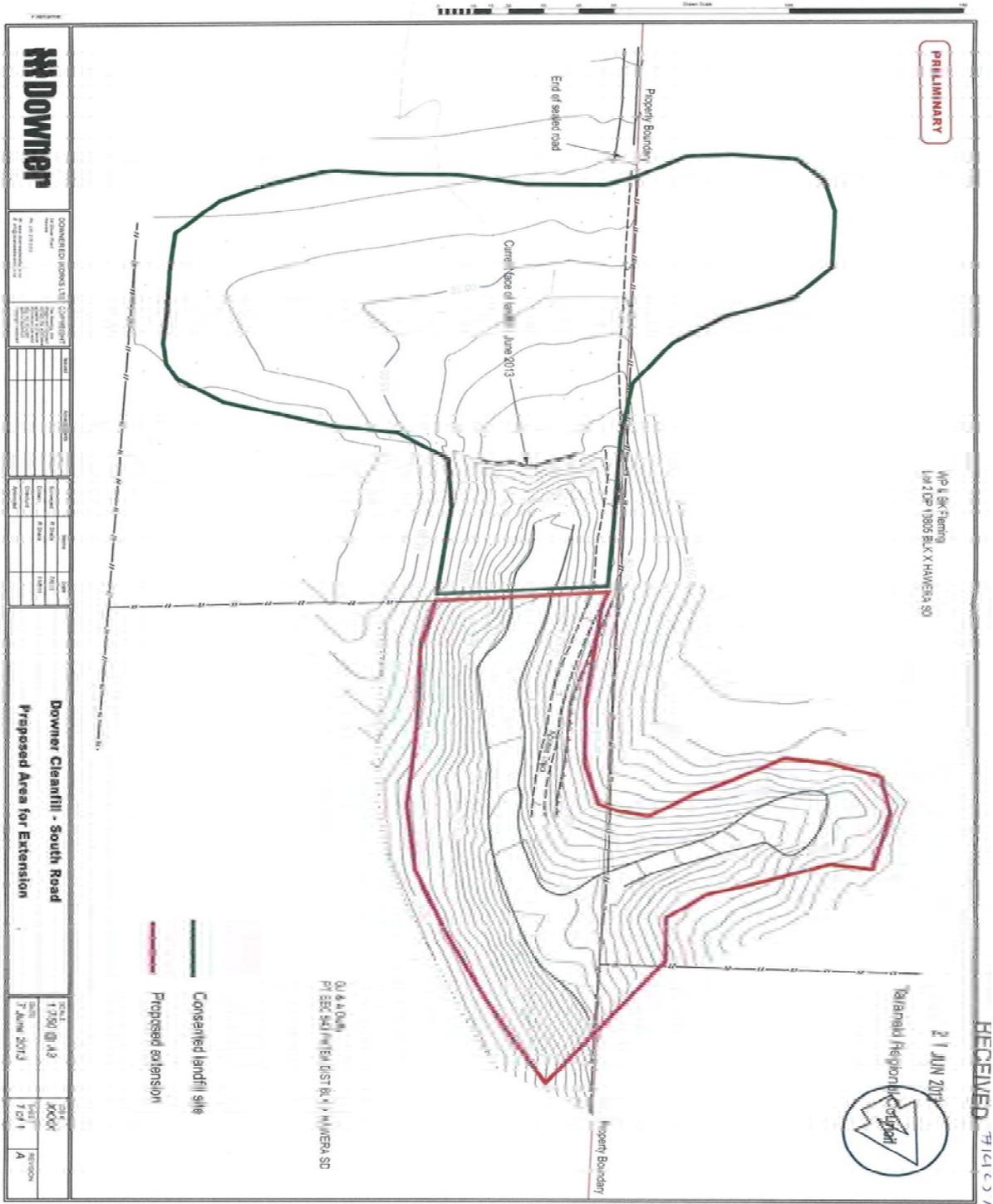


Figure 1 Plan of area permitted to be filled

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

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

Consent 4999-3

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 Rd
R D 21
STRATFORD

Consent Granted
Date: 1 November 1999

Conditions of Consent

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

Expiry Date: 1 June 2017

Review Date(s): June 2005, June 2011

Site Location: Cardiff Road, Cardiff, Stratford

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

Catchment: Waingongoro

Consent 5561-1

General conditions

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

Special conditions

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

Consent 5561-1

9. THAT the Taranaki Regional Council may review any or all of the conditions of this consent by giving notice of review during June 2005 and/or June 2011, for the purpose of ensuring that the conditions are adequate to deal with any significant adverse effects on the environment arising from the exercise of this consent, which either were not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Signed at Stratford on 29 October 1999

For and on behalf of
Taranaki Regional Council

Director-Resource Management

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

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

Decision Date: 26 January 2016

Commencement Date: 26 January 2016

Conditions of Consent

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

Expiry Date: 1 June 2035

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

Site Location: 30 Rainie Road, Hawera

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

Grid Reference (NZTM) 1701472E-5619162N

Catchment: Inaha

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

General condition

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

Special conditions

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

Consent 10202-1.0

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.

Consent 10202-1.0

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

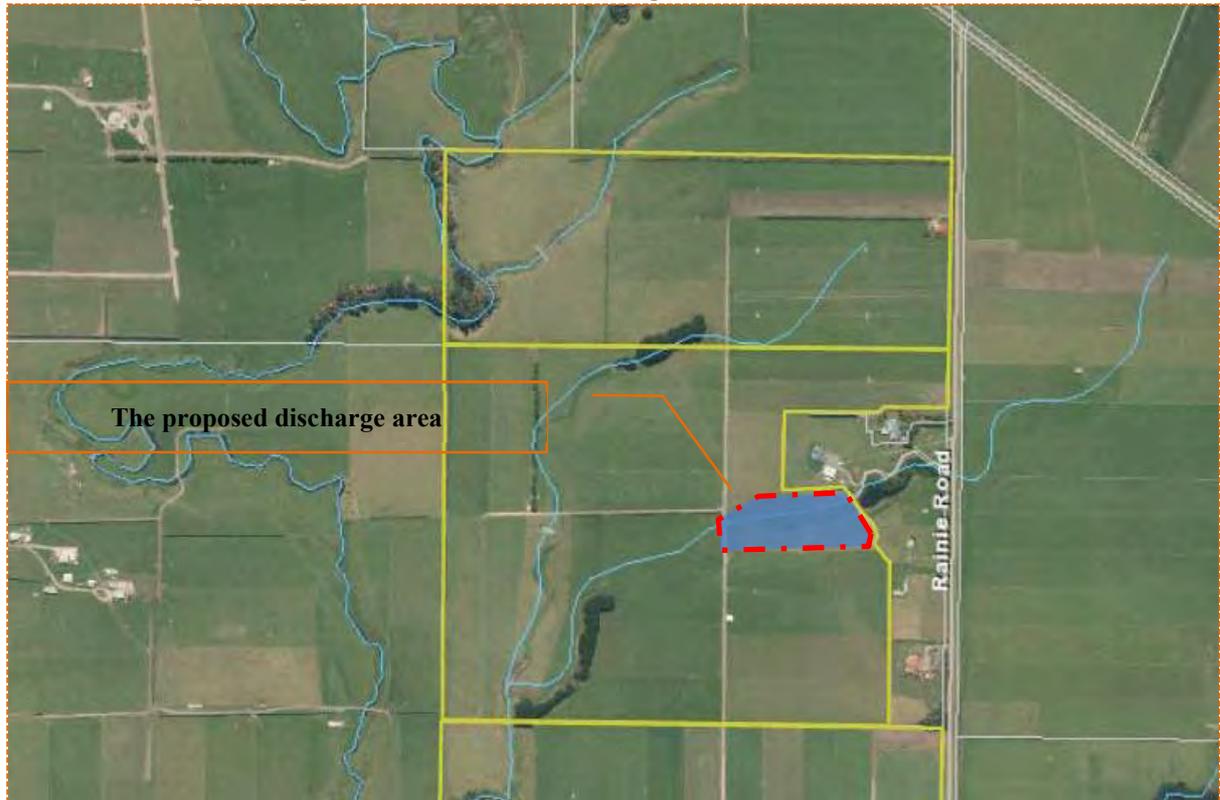
Advice Note (included at the request of DITAG)

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 Nixon)
136 Rainie Road
RD 11
Hawera 4671

Decision Date
(Change): 12 June 2019

Commencement Date
(Change): 12 June 2019 (Granted Date: 26 January 2016)

Conditions of Consent

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

Expiry Date: 1 June 2035

Review Date(s): June 2023 and June 2029

Site Location: 30 Rainie Road, Okaiawa

Grid Reference (NZTM) Between:
1701203E - 5619066N and 1701547E - 5619191N
1701087E - 5619299N and 1701111E - 5619164N
1701203E - 5619711N and 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 stream bed 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 stream bed;
 - 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.

Consent 10209-1.1

8. The fencing and riparian planting specified in the Riparian Management Plan for the property shall be completed before 1 August 2020.
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:
 - a) completing all works in the minimum time practicable;
 - b) avoiding placement of excavated material in the flowing channel; and
 - c) 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.

Consent 10209-1.1

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.

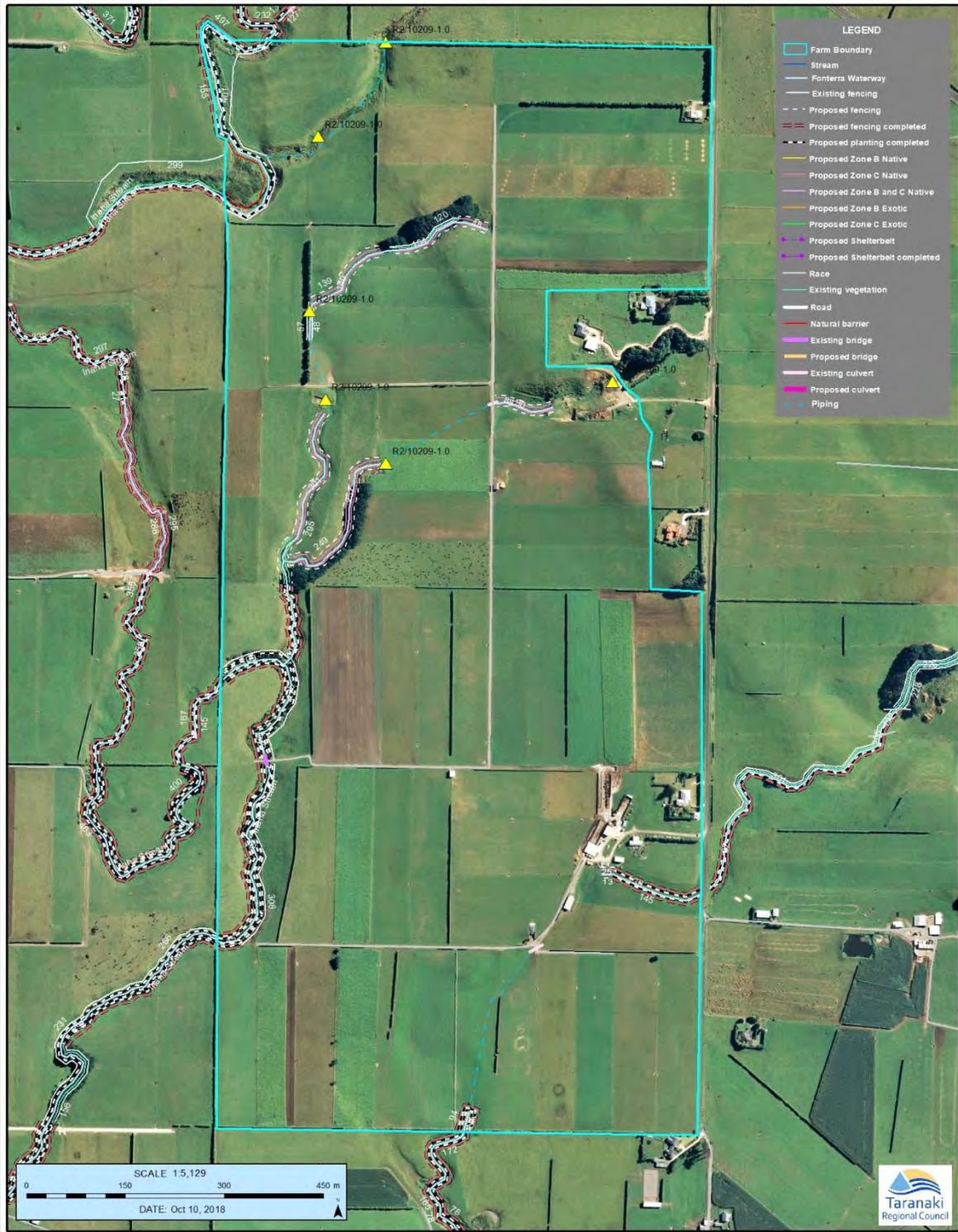
Signed at Stratford on 12 June 2019

For and on behalf of
Taranaki Regional Council

A D McLay
Director - Resource Management

Appendix II

TPJ Partnership's land management plan



FARM PLAN 90477	EXISTING FENCE WITH			PROPOSED FENCE WITH			LENGTH OF STREAM BANK WITH										
	NO VEG	PROP VEG	EXIST VEG	NO VEG	PROP VEG	EXIST VEG	BANK	PROTECTED	PROPOSED								
ORIGINAL (07/05/2003)	315m	7%	105m	2%	30m	1%	2730m	65%	135m	3%	4230m	420m	10%	3810m	90%		
CURRENT (10/10/2018)	315m	7%	0m	0%	2160m	51%	30m	1%	1590m	38%	135m	3%	4230m	2475m	59%	1755m	41%
WORK DONE: (m) (%)	FENCING	1140m	39% of recommended work				PLANTING:	2055m	56% of recommended work								

