

Regional Cleanfill

Monitoring Programme

Annual Report

2022-2023

Technical Report 2023-23



Working with people | caring for Taranaki

Taranaki Regional Council
Private Bag 713
Stratford

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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. This programme covers cleanfills operated by AA Contracting Ltd (AA Contracting), A & A George Family Trust (George Family), BJ & LB Bishop (Bishop), Downer EDI Works Ltd (Downer) (three sites), Gas and Plumbing Ltd (Gas and Plumbing), Smudgy Developments (Smudgy), Taranaki Civil Construction Ltd (Taranaki Civil) and Taranaki Trucking Company Ltd (Taranaki Trucking).

During the monitoring period, AA Contracting, Downer (Dorset Road), Downer (Veale Road), Gas & Plumbing, Smudgy, Taranaki Civil and The George Family demonstrated a high level of environmental performance and a high level of administrative performance.

During the monitoring period, Downer (South Road) demonstrated a good level of environmental performance and a good level of administrative performance.

During the monitoring period, BJ & LB Bishop demonstrated that an improvement was required in their environmental performance, they demonstrated a good level of administrative performance.

During the monitoring period, Taranaki Trucking demonstrated a good level of environmental performance; improvement was required with respect to their administrative performance.

This report for the period 1 July 2022 to 30 June 2023 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 10 consented cleanfill operations monitored hold a total of 12 resource consents, which include a total of 153 conditions that the cleanfill operators must satisfy. The consents covering the activities monitored under this programme consist of three consents to discharge cleanfill where contaminants may enter surface water, seven consents to discharge cleanfill to land and two consents relating to piping, culverts and/or reclamation.

The Council's monitoring programme included a total of 37 inspections, with each site receiving either two or three scheduled inspections as programmed. The Council collected 14 water samples for physicochemical analysis during the 2022-2023 year. This monitoring is usually scheduled to be undertaken during low flow conditions with a focus on the potential effects of leachate. Historical monitoring has shown little, if any effect at these sites to date.

No significant adverse environmental effects were observed as a result of any of the consent holders' activities at the time of the inspections. There was little, if any unauthorised material found at most of the sites and where prohibited materials were found, these items were dealt with promptly and appropriately with little intervention.

During the period under review AA Contracting, Downer (Dorset Road), Downer (Veale Road), Gas & Plumbing, Smudgy, Taranaki Civil and The George Family all demonstrated a **high** level of environmental and a **high** administrative performance with respect to their resource consents.

On the whole, during the year, Downer (South Road) demonstrated a **good** level of environmental performance and a **good** level of administrative performance. At the final inspection of the 2022-2023 monitoring year, it was evident that site rehabilitation at Downer South had not been satisfactorily completed prior to the withdrawal of the consent renewal application. Therefore, monitoring of the site was transferred to the Compliance Team until adequate site stabilisation had occurred.

During the year, the environmental performance of BJ & LB Bishop **required improvement**, they demonstrated a **good** level of administrative performance. Taranaki Trucking demonstrated a **good** level of

environmental performance and **improvement was required** in their administrative performance with respect to their resource consents as defined in Appendix II. Unacceptable material was noted at two out of the three inspections at BJ & LB Bishop's cleanfill site. In addition, an absence of an adequate storm water diversion system at the top of the fill resulted in fill material slipping down the fill face and knocking the silt retention fence over. An abatement notice (EAC-25175) was issued to address these concerns. The Council is working with Taranaki Trucking with respect to closure requirements for the site. These include removal of any unacceptable material and satisfactory rehabilitation and stabilisation of the site.

For reference, in the 2022-2023 year, consent holders were found to achieve a high level of environmental performance and compliance for 878 (87%) of a total of 1007 consents monitored through the Taranaki tailored monitoring programmes, while for another 96 (10%) of the consents a good level of environmental performance and compliance was achieved. A further 27 (3%) of consents monitored required improvement in their performance, while the remaining one (<1%) achieved a rating of poor.

This report includes recommendations for the 2023-2024 monitoring period

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1 Introduction

1.1 Compliance monitoring programme reports and the Resource Management Act 1991

1.1.1 Introduction

This report for the period 1 July 2022 to 30 June 2023 has been prepared by the Taranaki Regional Council (the Council) for the monitoring programme associated with resource consents held by a number of cleanfill operators (Table 1). The cleanfills are situated at various locations throughout the Taranaki region (Figure 1).

The report includes the results and findings of the monitoring programme implemented by the Council with respect to the consents held by the cleanfills that relate to land use, discharges of contaminants into and onto land, and to water. This report is the 17th annual report to be prepared 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 *Resource Management Act 1991* (RMA) and the Council's obligations;
- the Council's approach to monitoring sites through annual programmes;
- the resource consents held by cleanfill operators in the region;
- the nature of the monitoring programme in place for the period under review; and
- a description of the activities and operations conducted at the cleanfills.

Sections 2-13 present the results for each cleanfill site, discuss their significance for the environment and make recommendations for the 2023-2024 monitoring year.

Section 14 summarises the recommendations to be implemented in the 2023-2024 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 consents 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 consent 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 avoids issues occurring in the first instance 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 potential for 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

In addition to discussing the various details of the performance and extent of compliance by the consent holders, this report also assigns a rating for each Company's environmental and administrative performance during the period under review. The rating categories are high, good, improvement required and poor for both environmental and administrative performance. The interpretations for these ratings are found in Appendix II.

¹ For reference, in the 2022-2023 year, consent holders were found to achieve a high level of environment performance and compliance for 878 (87%) of a total of 1007 consents monitored through the Taranaki tailored monitoring programmes, while for another 96 (10%) of the consents a good level of environmental performance and compliance was achieved. A further 27 (3%) of consents monitored required improvement in their performance, while the remaining one (<1%) achieved a rating of poor.

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. Adverse effects are

¹ The Council has used these compliance grading criteria for more than 19 years. They align closely with the 4 compliance grades in the MfE Best Practice Guidelines for Compliance, Monitoring and Enforcement, 2018

generally limited to intentional or accidental disposal of non-cleanfill material, and discharges of sediment into waterways from earthworks and exposed soil.

Cleanfill material **does not** include wastes such as food wastes, paper and cardboard, grass clippings, garden wastes containing green vegetation, textiles, steel, galvanised metals, tanalised timber, construction materials containing paint or fillers or sealers or their containers, oils or greases or liquids or sludges or their containers. Nor does it include 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 gullies to produce flat, usable land. Resource consents to culvert small streams under the fill are often associated with these types of works as culverts help to protect streams from potential leachate. Cleanfilling is also extensively used for the reinstatement of quarries. In the Taranaki region, there are currently 20 consented cleanfills, 10 of which are covered in this report under the combined cleanfill monitoring programme. The other 10 cleanfills are reported on separately, are inactive or are small short term activities monitored on an as and when 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 consents held by the companies during the period under review.

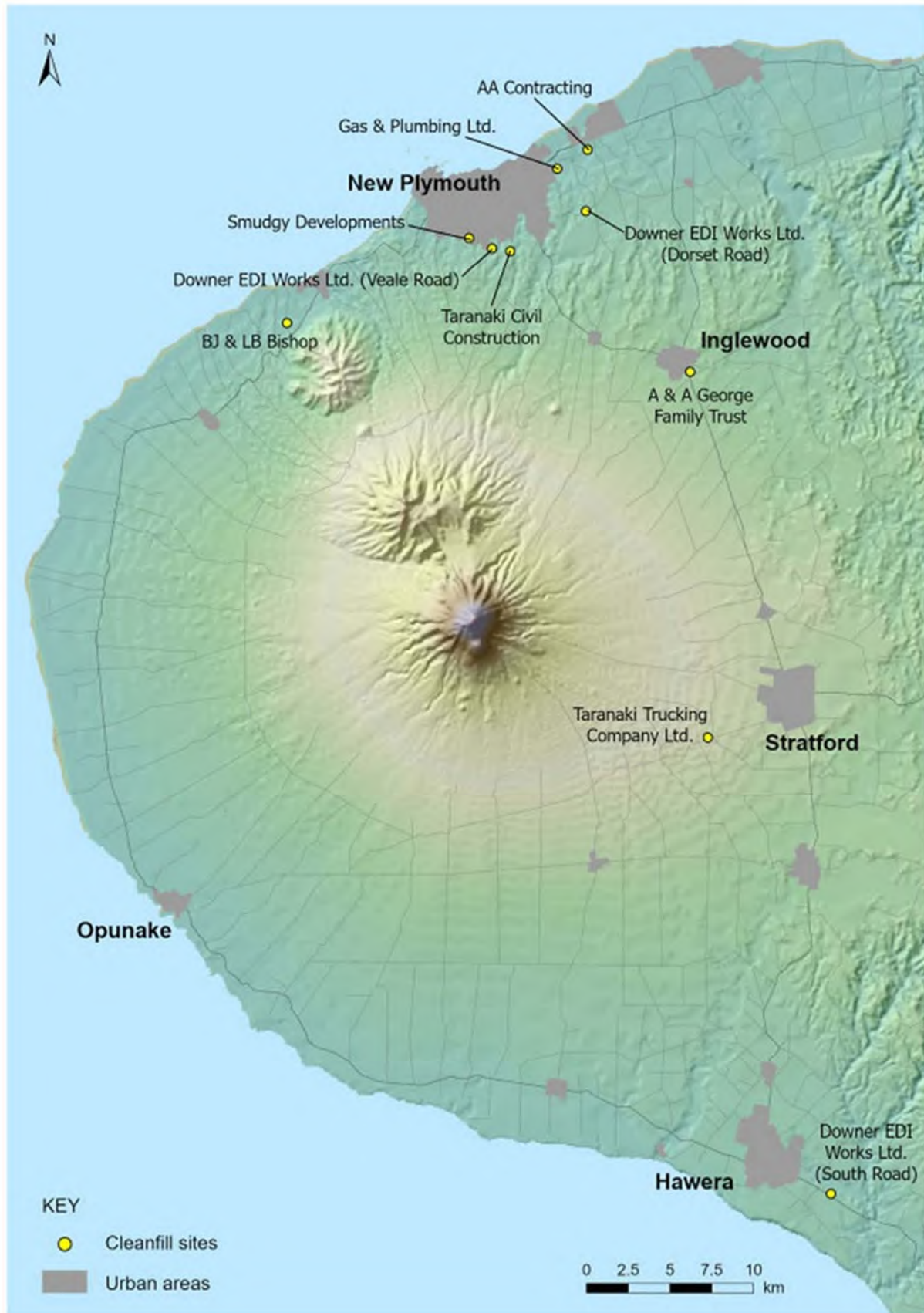


Figure 1 Regional map showing the locations of the cleanfills monitored under this programme during the year under review

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 consent	31 Oct 2014	June 2026	1 Jun 2032	Henwood Road, New Plymouth	Mangaone Stream (Waiwhakaiho catchment)
	5180-2.1	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/water	19 Jun 2019	-	1 Jun 2027	Dudley Road, Inglewood	Manganui and Kurapete Streams (Waitara catchment)
	10748-1.0 ³	To install piping in a section of an unnamed tributary of the Kurapete Stream, including associated stream bed disturbance and reclamation	Land use consent		Jun 2027	1 Jun 2033		
BJ & LB Bishop	5888-2.0	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		
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/water	6 May 2013	June 2026	1 Jun 2032	Dorset Road, New Plymouth	Manganaha Stream (Waiwhakaiho catchment)

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

³ Associated piping consent. Not monitored under this programme

Consent Holder	Resource consent	Purpose	Consent Type ²	Granted	Next Review	Expiry	Location	Water body
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	-	Expired	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)
Smudgy Developments	10585-1.0	To discharge cleanfill onto and into land	Discharge to land	13 June 2019	June 2024	1 Jun 2032	Tukapa Street, Hurdon	Unnamed Tributary of the Waimea Stream (Huatoki catchment)
Taranaki Civil Construction Limited	10990-1.0	To discharge cleanfill into and onto land and discharge storm water and sediment into and onto land where storm water and sediment may enter water	Discharge to land/water	4 March 2022		1 Jun 2032	492 & 496 Carrington Rd, Hurworth	Unnamed tributary of the Huatoki Stream
Taranaki Trucking Company Ltd	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	Cardiff Road, Stratford	Waingongoro River (Waingongoro catchment)

1.4 Monitoring programme

1.4.1 Introduction

Section 35 of the RMA requires 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 activities related to the consents and report 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 consists 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 2022-2023 period, 29 site inspections were carried out (Table 2).

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

1.4.4 Chemical sampling

The Council samples discharges from cleanfill sites and the receiving environment where possible and appropriate. The samples are typically analysed for conductivity, ammoniacal nitrogen, unionised ammonia, pH, and temperature. Where applicable, samples are tested for acid soluble iron, dissolved iron and dissolved zinc. Elevated levels of these analytes may suggest a galvanised steel source. This monitoring is usually conducted once per annum during low flow conditions, with the focus being the potential effects of leachate. Historical monitoring has shown little, if any effect at these sites to date.

Table 2 Number of site visits conducted and water samples collected at each site

Site	Site visits	Water samples
AA Contracting	3	2
George Family	3	3
Bishop	3	2
Downer (Dorset Road)	3	0
Downer (Veale Road)	3	2
Downer (South Road)	3	1
Gas and Plumbing	3	1
Smudgy	3	1
Taranaki Civil Construction	3	1
Taranaki Trucking	2	1
Total	29	14

2 AA Contracting Ltd – Henwood Road, New Plymouth

2.1 Site description and activities

AA Contracting Ltd (AA Contracting) holds resource consent 5180-2.1 to discharge cleanfill onto and into land 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 consented is shown in the consent (Appendix I).

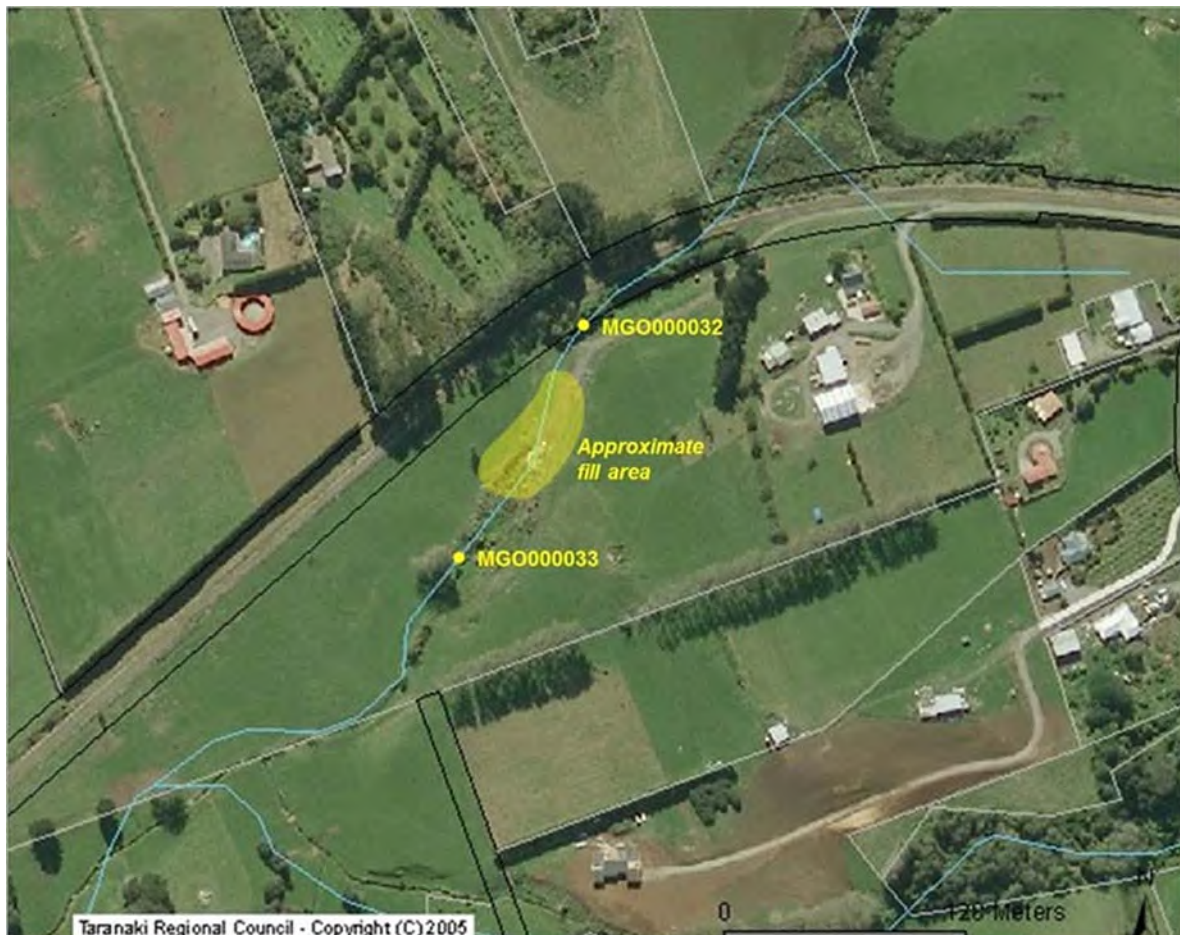


Figure 2 AA Contracting Ltd cleanfill and sampling sites at Henwood Road, New Plymouth

2.2 Results

2.2.1 Inspections

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

26 July 2022

The inspecting officer noted that approximately three small trailer loads of material had been deposited at the site since the last inspection. A small amount of prohibited material was observed within the cleanfill and a request was made to remove it promptly. Although a large volume of water was noted in the swale, its flow through the culvert was clear and unimpeded and the discharge did not appear to affect the stream adversely as it produced no noticeable visual effects in the receiving water. There were no dust or odour issues noted at the time of inspection.

3 April 2023

It appeared that there had been little use since the last inspection. A large quantity of water was in the swale and was discharging into the stream. The discharge was clear and was not adversely affecting visual clarity of the receiving water. There were no dust or odour issues during the inspection. Samples were collected from both upstream and downstream locations.

11 May 2023

The inspecting officer noted that no fill had been deposited recently and there was no unauthorised material in the cleanfill. The site was well vegetated. There were no dust or odour issues during the inspection.

2.2.2 Results of receiving environment monitoring

Routine water sampling was undertaken on one occasion during the year under review and the results are presented in Table 3 below. Samples were collected from each of the monitoring locations 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, 3 April 2023

Parameter	Units	3 April 2023	
		MGO000032 (u/s of cleanfill)	MGO000033 (d/s of cleanfill)
Conductivity @25°C	mS/m	19.4	20.7
Unionised ammonia	g/m ³	0.00042	0.00178
Ammoniacal nitrogen	g/m ³ -N	0.037	0.144
pH	pH	7.5	7.6
Suspended solids	g/m ³	<3	3
Temperature	°C	15.2	15.5

The results are within the ranges expected for comparable streams in Taranaki and indicate that the AA Contracting cleanfill is having little impact on receiving waters below the site. On this basis, it is unlikely that the tributary or the Mangaone Stream are being adversely affected by discharges from the cleanfill.

2.2.3 Investigations, interventions, and incidents

In the 2022-2023 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 generally well managed during the monitoring period. A small quantity of unauthorised cleanfill material was found at the site on one occasion. The consent holder removed the material promptly.

2.3.2 Environmental effects of exercise of consents

There were no visible effects found in the receiving water at the time of the inspections, and the results of sample analysis do not indicate that the cleanfill is leaching contaminants into the tributary.

2.3.3 Evaluation of performance

A 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
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

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?
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 of site and receiving water	Yes
6. Silt retention structures to be installed	Inspections	Yes
7. Install and maintain stormwater diversion drains	Inspections	Yes
8. Adopt best practice	Inspections	Yes
9. Upon completion the discharge site shall be stabilised and re-vegetated	Site still in use	N/A
10. Consent lapse	Consent has been exercised	N/A
11. Review condition	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 respect to their resource consents as defined in Appendix II.

2.3.4 Recommendations from the 2021-2022 Annual Report

In the 2021-2022 Annual Report it was recommended:

1. THAT in the first instance, monitoring of discharges from AA Contracting's cleanfill in the 2022-2023 period continues at the same level as in 2021-2022.
2. THAT should there be issues with environmental or administrative performance in 2022-2023, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

Recommendation 1 was implemented. Recommendation 2 was not required.

2.3.5 Alteration to the monitoring programme for 2023-2024

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 consents, and the need to maintain a sound understanding of industrial processes within Taranaki exercising resource consents.

It is proposed that for 2023-2024, 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 2023-2024.

2.4 Recommendations

1. THAT in the first instance, monitoring of discharges from AA Contracting Ltd's cleanfill in the 2023-2024 period continues at the same level as scheduled for 2022-2023.
2. THAT if no further material is discharged onto and into land, AA Contracting Ltd could consider consent surrender in the 2023- 2024 period. Closure of the consent will be subject to a final inspection which will confirm that the site is adequately capped and stabilised.
3. THAT should there be issues with environmental or administrative performance in 2023-2024, 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 9680-1.1 obtained in September 2013 to discharge cleanfill onto and into land at a site on Dudley Road, Inglewood (Figure 3). The consent holder is using cleanfill material to fill a depression on the property. Once filled, the site will be contoured and re-grassed. Consent 9680-1.1 is a variation of the original cleanfill consent (9680-1) and was obtained retrospectively following the discovery that cleanfill had been discharged beyond the original permitted area. To accommodate the cleanfill extension, the George Family obtained a retrospective piping consent (10748-1.0), to account for 30 m of existing piping. This consent also permitted the installation of an additional 65 m of piping in an unnamed tributary of the Kurapete Stream.



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

3.2 Results

3.2.1 Inspections

The site was inspected on three occasions during the monitoring period, and was found to be compliant with the consent conditions. Work to reinstate the cleanfill site was progressively undertaken.

1 September 2022

Upon inspection, it was noted that the site was clean and tidy. Work had been undertaken to cap the cleanfill. There were no dust or odour issues during inspection.

31 March 2023

The site was clean and tidy. The reinstatement process appeared to have been completed as the cleanfill was contoured, stabilised and revegetated. All surface water appeared to be directed to a ring drain prior to entering a silt retention pond which discharged to the stream. Water samples were obtained during this inspection. No unacceptable materials were noted on site and there were no issues with dust or odour. Given that reinstatement of the site appeared complete, it was noted that the consent holder may wish to surrender the consent.

26 June 2023

There was no change to the site since the last inspection.

3.2.2 Results of receiving environment monitoring

As the original consented cleanfill discharge area was not near an exposed water body, no routine water sampling was conducted during previous site inspections. The variation in consent which provided for an extension of the cleanfill area also necessitated the installation of additional piping. This warranted the inclusion of physico-chemical sampling to the monitoring programme in the 2019-2020 year to assess potential impacts of the consented activity upon the Kurapete Stream. A provision was made for discretionary sampling if the inspecting officer deemed it necessary to initiate further investigations to determine the impact of the consented activity upon the receiving waters. Physico-chemical monitoring is usually scheduled during summer low flow conditions with a focus on the potential effects of leachate.

During the 31 March 2023 inspection, the receiving tributary was sampled at one location upstream of the cleanfill and at two locations downstream from the cleanfill. The results of this monitoring are presented in Table 6.

Table 6 Chemical analysis of a tributary of the Kurapete Stream at A & A George Family Trust's cleanfill, Dudley Road, Inglewood, 31 March 2023

Parameter	Units	31 March 2023		
		Unnamed tributary u/s cleanfill	KRP000140 (10 m d/s cleanfill)	KRP000142 (50 m d/s of cleanfill)
Conductivity @25°C	mS/m	10.6	24.8	25.3
Unionised ammonia	g/m ³	0.00158	0.0039	0.0041
Ammoniacal nitrogen	g/m ³ -N	0.46	1.89	1.88
pH	pH	7.1	6.8	6.9
Suspended solids	g/m ³	6	14	13
Temperature	°C	13.3	13.4	12.4

The values for all reported analytes except for ammoniacal nitrogen fall within comparable ranges for other streams associated with cleanfills. Slightly elevated ammoniacal nitrogen values for the downstream sampling locations in comparison to other cleanfill sites could be associated with grazing around the time of sampling.

3.2.3 Investigations, interventions, and incidents

In the 2022-2023 period, the Council was not required to undertake significant additional investigations and interventions, or record incidents, in association with conditions in resource consents or provisions in Regional Plans.

3.3 Discussion

3.3.1 Discussion of site performance

The site was well managed during the 2022- 2023 monitoring period. No issues were recorded during site inspections and rehabilitation of the cleanfill site prompted the inspecting officer to note that the consent holder may wish to surrender their consent.

3.3.2 Environmental effects of exercise of consents

The suspended solid levels of the receiving waters were acceptably low which indicates that silt control measures remained effective at the time of inspection. Analyte results demonstrate that leachate is not entering the tributary.

3.3.3 Evaluation of performance

A summary of George Family's compliance record for the period under review is set out in Table 7.

Table 7 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	Yes
3. No discharge of prohibited materials listed in the consent	Inspection	Yes
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 of the site and receiving water	Yes
6. Install silt retention structures	Inspection and sampling	Yes
7. Maintain drains, ponds and contours on site to minimise surface water entering the cleanfill site	Inspection	Yes

Purpose: <i>To discharge cleanfill onto and into land</i>		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
8. Adopt best practice	Inspection	See condition 6
9. Upon completion the discharge site shall be stabilised and re-vegetated	Inspection	Yes
10. Optional review provision re environmental effects	No further opportunities for review	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

The George Family demonstrated a high level of administrative and environmental performance during the year under review.

3.3.4 Recommendations from the 2021-2022 Annual Report

In the 2021-2022 Annual Report it was recommended:

1. THAT in the first instance, monitoring of discharges from the George Family's cleanfill in the 2022-2023 period continues at the same level as in 2021-2022.
2. THAT should there be issues with environmental or administrative performance in 2022-2023, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

Recommendation 1 was implemented. Recommendation 2 was not required.

3.4 Recommendations

1. THAT if no further material is discharged onto and into land, A & A George Family Trust could consider consent surrender in the 2023- 2024 period. Closure of the consent will be subject to a final inspection which will confirm that the site is adequately capped and stabilised.
2. THAT in the event of further discharge to land, the monitoring of discharges from A & A George Family Trust's cleanfill in the 2023-2024 year continues at the same level as in 2022-2023.
3. THAT should there be issues with environmental or administrative performance in 2023-2024, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

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

4.1 Site description and activities

BJ and LB Bishop (Bishop) hold consents 5877-2 to discharge cleanfill onto and into land and 5888-2 to install and maintain a culvert on their property on Ahu Ahu Road. A small gully is being infilled to enhance grazeable area (Figure 4). A 70 m culvert which passes through the cleanfill conveys surface water from the Ahu Ahu Road roadside drain. Consent 5888-1 expired on 1 June 2019. In order to sustain cleanfilling activities, a renewed consent was granted on 14 June 2019 to make provision for stream reclamation through continued use of existing piping in the headwaters of an unnamed tributary of the Waimoku Stream. 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.

The types of materials accepted at the Bishop cleanfill include 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 4. The full extent consented is shown in the consent (Appendix I).

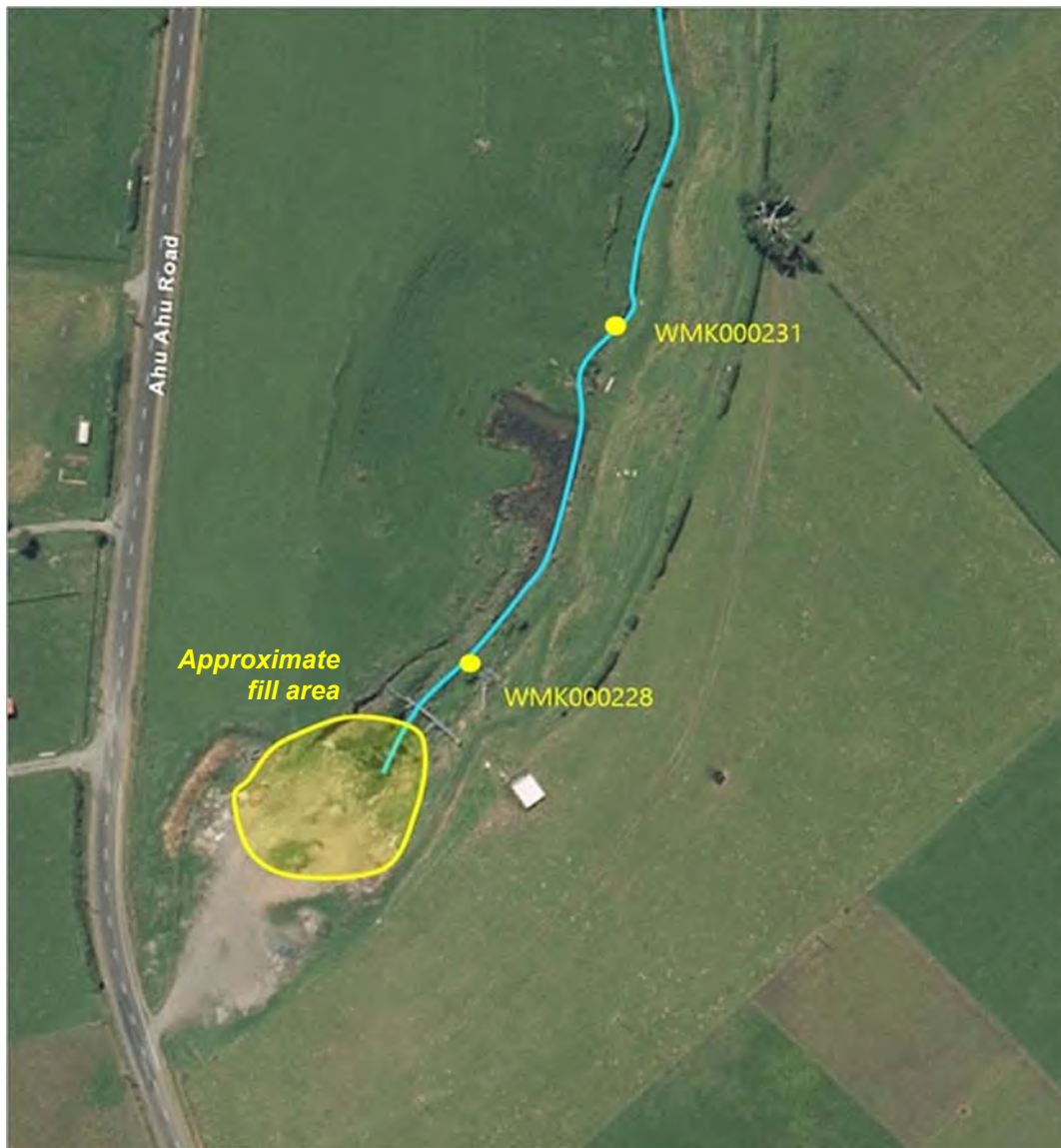


Figure 4 BJ & LB Bishop's cleanfill and sampling sites at Ahu Ahu Road, Oakura

4.2 Results

4.2.1 Inspections

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

25 July 2022

The site was tidy and well used. There was no prohibited fill material, however the silt fence required some attention. No issues with dust or odour were noted.

30 March 2023

The inspecting officer observed a large tyre at the base of the fill and a request was made to remove this promptly. It was noted that the silt fences were in acceptable condition and the culvert was clear of any obstructions. Sampling was conducted at two locations approximately 5 m and 60 m downstream of the fill.

27 June 2023

Prohibited material which included concrete with exposed rebar and a small amount of painted timber was observed during this inspection. A request was made to remove the material. It was noted that a concentration of surface water had caused fill material to wash down the tip face which in turn knocked the silt retention fence over. Photographic evidence was obtained and the land owner was informed that an abatement notice would be issued with a requirement that these concerns needed to be rectified within two weeks. There were no issues with dust or odour at this inspection.

4.2.2 Results of receiving environment monitoring

Two sampling sites are situated downstream of the cleanfill in a tributary of the Waimoku Stream (Figure 4). A sample was collected from each of these two locations on 30 March 2023. The results are presented in Table 8.

Table 8 Results of water sample taken from BJ & LB Bishop's cleanfill 30 March 2023

Parameter	Units	30 March 2023	
		WMK000228 (5 m d/s of cleanfill face)	WMK000231 (60 m d/s of cleanfill face)
Conductivity @25 °C	mS/m	27.3	21.5
Unionised ammonia	g/m ³	0.0079	0.0130
Ammoniacal nitrogen	g/m ³ -N	2.6	2.1
pH	pH	7.0	7.3
Suspended solids	g/m ³	14	9
Temperature	Deg C	15.1	14.9

The results are within the ranges expected for comparable streams in Taranaki. Both the unionised ammonia and ammoniacal nitrogen values for the WMK000231 site are the maximum values within the range for the cleanfill sites in the 2022-2023 year. The unionised ammonia values for both sites sit within the 0.025 g/m³ limit as stated in the Regional Freshwater Plan (RFP). pH and suspended solid values likewise sit below their respective guideline limit in the RFP. On this basis, it is unlikely that the tributary or the Waimoku Stream is being adversely affected by discharges from the cleanfill.

4.2.3 Investigations, interventions, and incidents

Table 9 BJ and LB Bishop incidents, investigations, and interventions summary table

Date	Details	Compliant (Y/N)	Enforcement Action Taken?	Outcome
27 Jun 2023	Discharge of contaminant, namely silt and sediment, onto or into land in circumstances which may have resulted in that contaminant (or any other contaminant emanating as a result of natural processes from that contaminant) entering water, namely an unnamed tributary of the Waimoku Stream, when the discharge was not expressly allowed by a national environmental standard or other regulations, a rule in a regional plan, or a resource consent.	N	Abatement notice issued	During routine monitoring, it was discovered that the Bishop cleanfill site was not operating in accordance with its consent conditions. Concrete had been deposited over the tip face and a large amount of steel reinforcing bar was left exposed. An absence of a clean water diversion facility at the top of the clean fill allowed surface water to discharge directly down tip face. As a result, a large quantity of clean fill damaged the silt retention fence. Abatement Notice EAC-25175 was issued. The non-compliances detailed in the notice were to be rectified by 24 July 2023.

4.3 Discussion

4.3.1 Discussion of site performance

Site management and administration required improvement given that unacceptable material was noted at two out of the three inspections and an absence of stormwater diversion infrastructure at the top of the fill resulted in fill material slipping down the fill face and knocking over the silt retention fence. Abatement Notice EAC-25175 was issued on 28 June 2023 to address the concerns over inadequate sediment control.

4.3.2 Environmental effects of exercise of consents

Higher sediment loads can negatively impact stream flora and fauna including macroinvertebrates and fish. Adverse effects on the stream arising from damage to the silt retention fence would likely be limited to short term and localised sedimentation of the water and stream bed as a result of sediment discharges following rainfall events.

4.3.3 Evaluation of performance

A summary of Bishop's compliance record for the period under review is set out in Table 10 and Table 11.

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

Purpose: To discharge cleanfill onto and into land		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
1. Discharge to occur in agreed area	Inspections	Yes
2. Only discharge cleanfill and/or inert materials	Inspections	No
3. No discharge of prohibited materials listed in the consent	Inspections	No. A large tyre was found during one inspection and concrete with exposed rebar and painted timber at another inspection
4. If the acceptability of a substance is uncertain, obtain approval from the Council	No approval sought	No. The Council was not contacted ahead of the prohibited materials being disposed of in the clean fill.
5. No discharge of contaminants to ground or surface water	Receiving water sampling and inspections	Yes
6. Install and maintain silt retention structures	Inspections	No. It was noted that the silt retention fence was damaged at one inspection. An abatement notice was issued.
7. Install and maintain stormwater diversion drains	Inspections	No. Surface water instigated a slip of fill material down the fill face. This damaged the silt retention fence.
8. Adopt best practice	Inspections	See condition 6
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		Improvement required
Overall assessment of administrative performance in respect of this consent		Good

Table 11 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

In relation to their cleanfill consent, BJ & LB Bishop demonstrated a good level of administrative performance but improvement was required for their environmental performance during the 2022-2023 monitoring year (Appendix II). Prohibited cleanfill material was found at two out of three inspections and un-diverted surface water destabilised fill material which in turn damaged the silt retention fence. An abatement notice was issued. BJ & LB Bishop demonstrated a high level of environmental and administrative performance in relation to their culvert consent.

4.3.4 Recommendations from the 2021-2022 Annual Report

In the 2021-2022 Annual Report it was recommended:

1. THAT in the first instance, monitoring of discharges from BJ & LB Bishop's cleanfill on Ahu Ahu Road in the 2022-2023 year continues at the same level as in 2021-2022.
2. THAT should there be issues with environmental or administrative performance in 2022-2023, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

Recommendation 1 was implemented. Recommendation 2 was not required.

4.3.5 Alterations to the monitoring programme for 2023-2024

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 consents, and the need to maintain a sound understanding of industrial processes within Taranaki exercising resource consents.

It is proposed that for 2023-2024, 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 2023-2024.

4.4 Recommendations

1. THAT in the first instance, monitoring of discharges from BJ & LB Bishop's cleanfill on Ahu Ahu Road in the 2023-2024 year continues at the same level as in 2022-2023.
2. THAT should there be issues with environmental or administrative performance in 2023-2024, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

5 Downer EDI Works Ltd – Dorset Road, New Plymouth

5.1 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. 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 Figure 5. The full extent consented is shown in the consent (Appendix I).

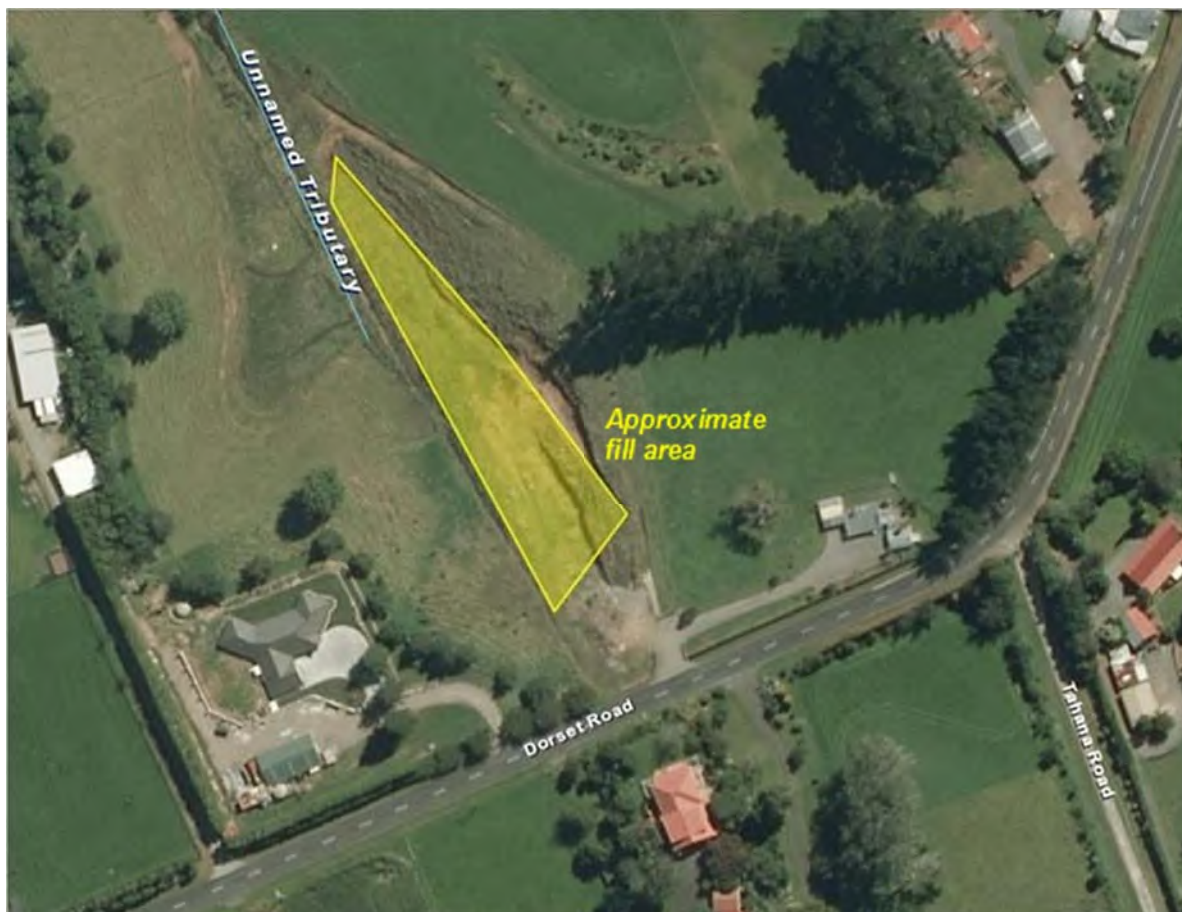


Figure 5 Downer EDI Works Ltd cleanfill, Dorset Road, New Plymouth

5.2 Results

5.2.1 Inspections

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

28 July 2022

Upon arrival, it was noted that the gates were shut and a sign stated that the cleanfill was closed. The top of the fill area had been revegetated in a manner that would enable the site to withstand erosion and subsidence. However, it appeared that there were two slips in the near vicinity which required stabilisation. No dust or odour issues were noted at the time of inspection.

31 March 2023

The site appeared well vegetated and unused save for a small quantity of untreated bark and cut wood which originated from the neighbouring property. There were no issues with dust or odour.

11 May 2023

The site appeared disused, was well vegetated and was being grazed by stock. There was no unauthorised material at the time of inspection and no dust or odour issues were noted.

5.2.2 Results of receiving environment monitoring

No water samples were collected at this site during the year under review.

5.2.3 Investigations, interventions, and incidents

In the 2022-2023 period, the Council was not required to undertake significant additional investigations and interventions, or record incidents, in association with Downer Dorset Roads conditions in resource consents or provisions in Regional Plans.

5.3 Discussion

5.3.1 Discussion of site performance

The site was generally secure and well managed at the time of the inspections, with little to no disposal of material evident during the year under review. Minor slips had occurred at the site prior to the first inspection, however at subsequent inspections, they were not reported as issues.

5.3.2 Environmental effects of exercise of consents

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

5.3.3 Evaluation of performance

A summary of Downer's compliance record for the period under review is set out in Table 12.

Table 12 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
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

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?
8. Site to be re-vegetated within six months of discharges ceasing	Inspections	Yes
9. Re-vegetation must meet specific standard	Inspection	Two small slips were observed at the first inspection.
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 Dorset Road demonstrated a high level of environmental performance and a high level of administrative performance with respect to their Dorset Road resource consent as defined in Appendix II.

5.3.4 Recommendations from the 2020-2021 Annual Report

In the 2021-2022 Annual Report it was recommended:

1. THAT in the first instance, monitoring of discharges from Downer's Dorset Road cleanfill in 2022-2023 year continues at the same level as in 2020-2021.
2. THAT should there be issues with environmental or administrative performance in 2022-2023, 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.

5.3.5 Alterations to the monitoring programme for 2023-2024

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 consents, and the need to maintain a sound understanding of industrial processes within Taranaki exercising resource consents.

It is proposed that for 2023-2024, 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 2023-2024.

5.4 Recommendations

1. THAT should there be no further discharge of cleanfill material onto and into land, the Downer Dorset Road site initiates the process of consent surrender. The closure of this consent will be contingent upon a final inspection to ensure that the site has adequately stabilised
2. THAT in the event of further discharge to land, the monitoring of discharges from Downer Dorset Road cleanfill in the 2023-2024 year continues at the same level as in 2022-2023.
3. THAT should there be issues with environmental or administrative performance in 2023-2024, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

6 Downer EDI Works Ltd – Veale Road, New Plymouth

6.1 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 (Figure 6). 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 consented extent is shown in Appendix I.

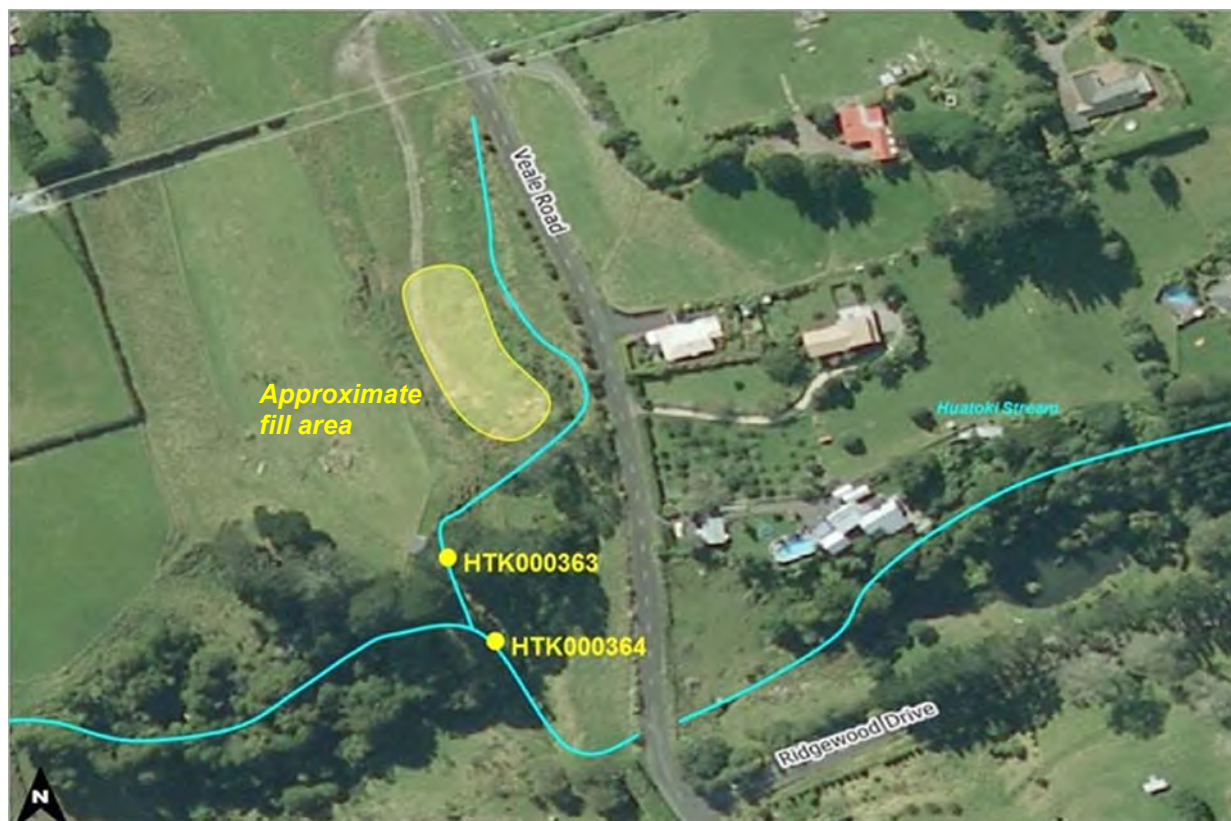


Figure 6 Downer EDI Works Ltd cleanfill and sampling sites, Veale Road, New Plymouth

6.2 Results

6.2.1 Inspections

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

28 July 2022

The inspecting officer informed the consent holder that the silt fence required maintenance and that measures needed to be taken to ensure that surface water did not damage this structure. The site appeared disused and had been re seeded with pasture grass. There were no dust or odour issues at the time of inspection.

30 March 2023

The site was disused and rehabilitation was well underway. Water samples were collected downstream of the cleanfill. It was noted that the silt retention fences had been mended as had been requested at the previous inspection. There was no unauthorised material present and there were no dust or odour issues.

11 May 2023

The area was disused and revegetation was progressing. The silt retention fence was in good repair. There was no unauthorised material present and there were no dust or odour issues noted at this inspection.

6.2.2 Results of receiving environment monitoring

Routine water quality sampling was conducted at the two downstream sampling sites (10 m and 80 m d/s respectively) (Figure 6). The results of the 30 March 2023 inspection sampling are presented in Table 13.

Table 13 Results of water sample taken from Downer's Veale Road cleanfill, 30 March 2023

Parameter	Units	30 March 2023	
		HTK000363	HTK000364
Conductivity @25 °C	mS/m	20.5	13.7
Unionised ammonia	g/m ³	0.00070	0.00011
Ammoniacal nitrogen	g/m ³ -N	0.24	0.021
pH	pH	7.0	7.3
Suspended solids	g/m ³	6	<3
Temperature	Deg C	12	12.1

The results of the water sampling from the tributary and Huatoki Stream are within the expected ranges for similar streams in Taranaki. Consequently, it is unlikely that any discharges from the cleanfill are having adverse effects on water quality in the tributary or Huatoki Stream.

6.2.3 Investigations, interventions, and incidents

In the 2022-2023 period, the Council was not required to undertake significant additional investigations and interventions, or record incidents in association with conditions in resource consents or provisions in Regional Plans.

6.3 Discussion

6.3.1 Discussion of site performance

There was no discharge of cleanfill material at the Downer Veale Road site during the period under review. During the early part of the monitoring year, it was noted that continued maintenance of the silt controls at the site was required to ensure on-going compliance with this aspect of the consent. The required maintenance had been completed by the second inspection. The site was revegetated as per the consent conditions.

6.3.2 Environmental effects of exercise of consents

No significant adverse effects on the environment were observed or noted during inspections, or identified by water sampling.

6.3.3 Evaluation of performance

A tabular summary of Downer Veale Road's compliance record for the period under review is set out in Table 14.

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

Purpose: To discharge cleanfill onto and into land		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
1. Discharge in agreed area only	Inspections	Yes
2. Only discharge cleanfill and/or inert materials	Inspections	Yes
3. No discharge of prohibited materials listed in the consent	Inspections	Yes
4. If the acceptability of a substance is uncertain, obtain approval from the Council	No approval sought or required	N/A
5. No discharge of contaminants to water	Inspections and sampling	Yes
6. Install silt retention structures	Inspections	Yes
7. Install and maintain stormwater diversion drains	Inspections	Yes
8. Adopt best practice	Inspections	Yes
9. Upon completion the discharge site shall be stabilised and re-vegetated	Site still in use	N/A
10. Lapse of consent	Consent has been exercised	N/A
11. Optional review provision re environmental effects	Next option for review in June 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 respect to their Veale Road resource consent as defined in Appendix II. It was noted that continued attention to silt control maintenance was crucial for ensuring on-going compliance with this aspect of the consent.

6.3.4 Recommendations from the 2021-2022 Annual Report

In the 2021-2022 Annual Report it was recommended:

1. THAT in the first instance, monitoring of discharges from Downer's Veale Road cleanfill in the 2022-2023 year continues at the same level as in 2021-2022.
2. THAT should there be issues with environmental or administrative performance in 2022-2023, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

Recommendation 1 was implemented. Recommendation 2 was not required.

6.3.5 Alterations to the monitoring programme for 2023-2024

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 consents, and the need to maintain a sound understanding of industrial processes within Taranaki exercising resource consents.

It is proposed that for 2023-2024, 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 2023-2024.

6.4 Recommendations

1. THAT should there be no further discharge of cleanfill material onto and into land, Downer Veale Road site initiates the process of consent surrender. The closure of this consent will be contingent upon a final inspection to ensure that the site has adequately stabilised.
2. THAT in the event of further discharge to land, the monitoring of discharges from Downer Veale Road cleanfill in the 2023-2024 year continues at the same level as in 2022-2023.
3. THAT should there be issues with environmental or administrative performance in 2023-2024, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

7 Downer EDI Works Ltd – South Road, Hawera

7.1 Site description and activities

Downer EDI Works Ltd (Downer) held consent 6964-1 to discharge cleanfill at two adjacent properties on South Road, Hawera. A gully was being filled to enhance a paddock for grazing (Figure 7). A small spring emerges in one leg of the gully and a garden pond is situated at the head of the other leg. The discharge from the garden pond has been directed away from the cleanfill site and now discharges below the designated area. To comply with their consent conditions, the consent holder prepared a Cleanfill Management and Site Contingency Plan which outlined the proposed rehabilitation process at the conclusion of cleanfilling activities. The current approximate fill area is shown in Figure 7. The full consented extent is shown in Appendix I.



Figure 7 Downer EDI Works Ltd cleanfill and sampling site, South Road, Hawera

The consent expired on 1 June 2022 and prior to this, an application for renewal was received in February 2022. This was for a short duration consent which did not exceed the previously consented fill area. As the renewal application was received more than three months prior to the expiry of the consent, the Council permitted the consent holder to continue to operate under the conditions of their existing consent until a decision was made on the renewal. On the 17 March 2023, the consent holder subsequently withdrew the renewal application as the consent was no longer required. The cleanfill ceased to operate.

7.1.1 Inspections

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

29 July 2022

Although there had been a lot of activity since the last site visit, no prohibited materials were observed at this inspection. The inspecting officer requested that the consent holder remained vigilant with respect to maintenance of silt control structures. There were no dust or odour issues.

27 March 2023

The inspecting officer noted that the site was no longer in use and that gates had been removed. Reinstatement was underway and the area had been contoured and revegetated. Water samples were obtained and there were no dust or odour issues at this inspection.

24 May 2023

The site was disused and the cleanfill face had been hydro seeded. No dust or odour issues were noted at this inspection.

7.1.2 Results of receiving environment monitoring

Routine water quality sampling is undertaken in the unnamed tributary of the Tawhiti Stream approximately 20 m below the cleanfill (Figure 7). The results of the sampling survey conducted on the 27 March 2023 are shown in Table 15.

Table 15 Chemical analysis of an unnamed tributary of the Tawhiti Stream at Downer EDI Works Ltd's cleanfill, South Road, Hawera, 27 March 2023

Parameter	Units	27 March 2023
		TWH000498 (20 m downstream of cleanfill)
Conductivity @ 25 °C	mS/m	52.2
Unionised ammonia	g/m ³	0.0036
Ammoniacal nitrogen	g/m ³ -N	0.141
Acid soluble iron	g/m ³	1.19
Acid soluble zinc	g/m ³	<0.0010
Dissolved iron	g/m ³	0.25
Dissolved zinc	g/m ³	<0.0010
Suspended solids	g/m ³	< 7
pH	pH	7.8
Temperature	°C	16.9

The level of conductivity represented by the sample is significantly higher than any other samples from other sites. The range of results from other sites is 10.6 to 37.6 mS/m and the overall mean is 23.1 mS/m. 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. As such, the water samples downstream of the site were analysed for dissolved iron and zinc to ascertain whether these elements originated from a galvanised iron source. It was concluded that although the acid soluble iron concentration was elevated, the dissolved iron and zinc concentrations were low. There are no adverse effects of conductivity, but it is indicative of dissolved salts.

The remaining results of the water sampling are within the expected ranges for similar streams in Taranaki. On this basis, it is unlikely that any discharges from the cleanfill are having adverse effects on water quality in the tributary or Tawhiti Stream.

7.1.3 Investigations, interventions, and incidents

In the 2022-2023 period, the Council was not required to undertake significant additional investigations and interventions, or record incidents, in association with Downer South Road's conditions in resource consents or provisions in Regional Plans.

7.2 Discussion

7.2.1 Discussion of site performance

The cleanfill was well managed during the monitoring period with no prohibited material discharged at the site and no dust or odour issues at the time of the inspections. An application to renew the consent was lodged on 28 February 2022; this was subsequently withdrawn on 17 March 2023 as the site had been capped. A Management Plan (July 2018) outlines the rehabilitation process and aftercare plan following closure. It must be noted that the consent for this site has now expired and since the consent renewal application was withdrawn prior to adequate site reinstatement taking place, the site will be transferred to the Council's Compliance Team. The Compliance Team will continue to inspect the site until the site has been satisfactorily reinstated for the purposes of consent surrender. The site will therefore no longer be monitored under the Regional Cleanfills compliance monitoring programme.

7.2.2 Environmental effects of exercise of consents

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

7.2.3 Evaluation of performance

A summary of Downer South Road's compliance record for the year under review is set out in Table 16.

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

Purpose: To discharge cleanfill onto and into land		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
1. Adopt best practice	Inspections	Yes
2. Exercise of consent within agreed area	Inspections	Yes
3. Notify Council 7 days prior to exercise of consent	Review of Council records	N/A
4. Only discharge cleanfill and/or inert materials	Inspections	Yes
5. No discharge of prohibited materials listed in the consent	Inspections	Yes
6. Dried silt from water treatment plants to be spread thinly and mixed with other material	Inspections	Yes

Purpose: To discharge cleanfill onto and into land		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
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
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 has been contoured	Yes
12. Prepare, maintain and comply with a contingency and site management plan	Latest plan on record prepared July 2018. Inspections against plan	No. The site was not adequately stabilised prior to the consent expiring. For this reason, the monitoring of the site is to be transferred to the Compliance Team in the 2023-2024 monitoring year
13. Lapse condition	Consent exercised	N/A
14. Optional review provision re environmental effects	No further opportunities for review due to expiry of consent 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		Good
Overall assessment of administrative performance in respect of this consent		Good

N/A = not applicable

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

7.2.4 Recommendations from the 2021-2022 Annual Report

In the 2021-2022 Annual Report it was recommended:

1. THAT in the first instance, monitoring of discharges from Downer's South Road cleanfill in the 2022-2023 continues at the same level as scheduled in the 2021-2022 monitoring year.
2. THAT consideration be given to incorporating sampling of the upstream pond to the monitoring regime in the 2023-2024 year.

3. THAT should issues with environmental or administrative performance arise in 2022-2023, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

Recommendation 1 was implemented. Recommendation 2 and 3 were not required.

7.2.5 Alteration to the monitoring programme for 2023-2024

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 consents and the need to maintain a sound understanding of industrial processes within Taranaki exercising resource consents.

In light of the sequence of events regarding consent renewal withdrawal and inadequate site stabilisation, it is proposed that for 2023-2024, that the monitoring of the Downer South site be transferred to the Council's Compliance Team.

7.2.6 Recommendations

1. THAT the monitoring programme for the Downer EDI Works Ltd South Road site cease due to the closure of the site and the expiry of consent 6964-1.
2. THAT the Compliance Team continues to monitor the Downer EDI Works Ltd South Road site until the cleanfill location has adequately stabilised.

8 Gas and Plumbing Ltd – Colson Road, New Plymouth

8.1 Site description and activities

Gas and Plumbing Ltd (Gas and Plumbing) holds consent 7165-1 to discharge cleanfill to land.

The site (Figure 8) is situated opposite the Colson Road transfer station entrance and cleanfilling operations at this site commenced 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.

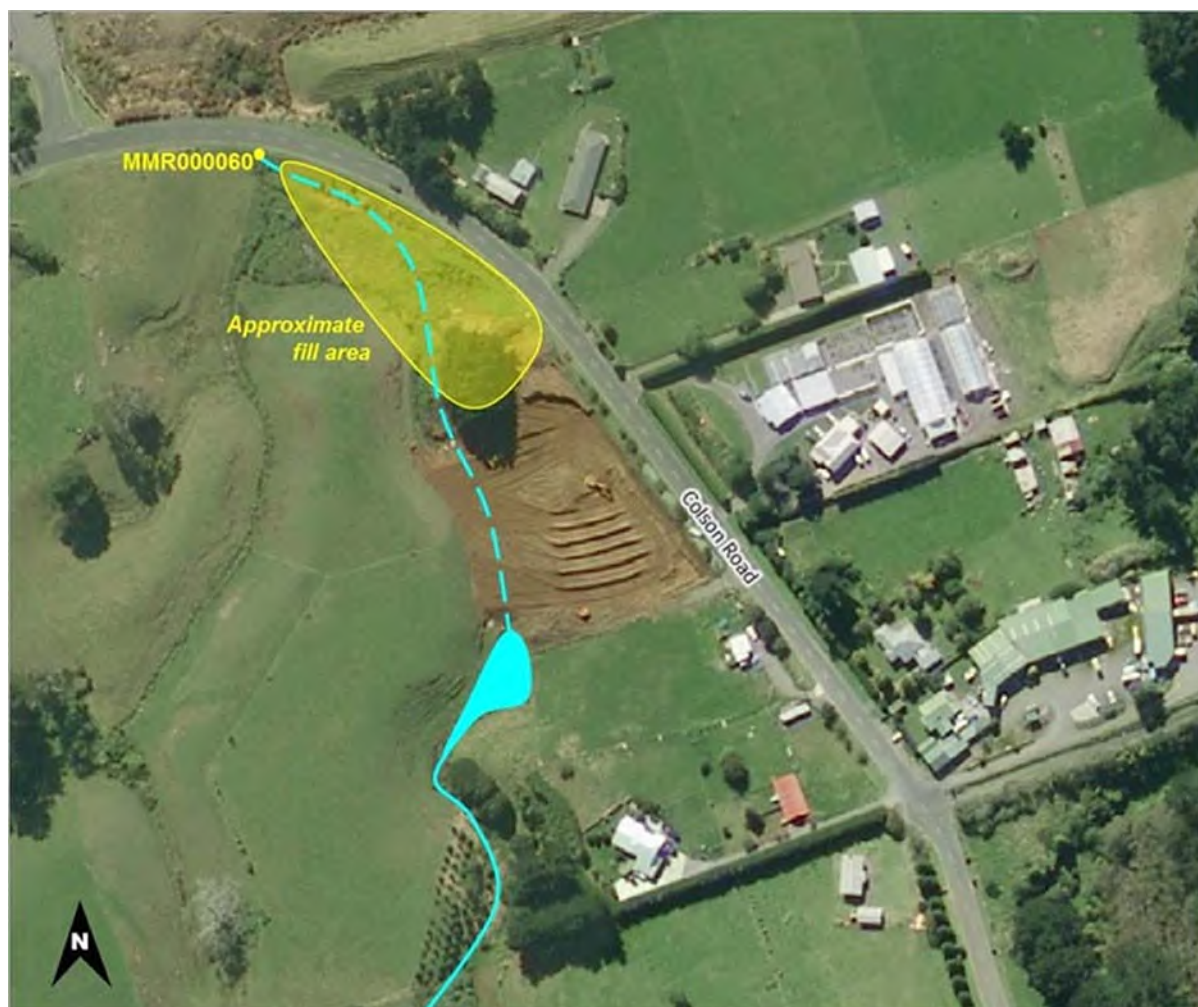


Figure 8 Gas and Plumbing Ltd's cleanfill and sampling site at Colson Road, New Plymouth

8.2 Results

8.2.1 Inspections

The Gas and Plumbing Ltd cleanfill was inspected on three occasions during the period under review.

27 July 2022

There was no visual evidence to suggest that site had been used since the last inspection. There were no dust or odour issues.

3 April 2023

There was no visual evidence that site had been recently used. A water sample was obtained from the designated sampling point. No dust or odour issues were noted during the inspection.

11 May 2023

There was no visual evidence of site use with respect to cleanfilling activity, however the inspecting officer noted that heavy rainfall had flooded an area to the rear of the site near the cleanfill and that scrap vehicles were partially immersed in water. Although the site is well bunded, there was concern that hydrocarbons from the vehicles could be a potential source of contamination, therefore they needed to be removed promptly. No dust or odour issues were noted at this inspection.

8.2.2 Results of receiving environment monitoring

Routine water quality sampling is conducted below the cleanfill at a designated sampling point in the Mangamiro Stream (Figure 8). Physicochemical monitoring is usually scheduled during summer low flow conditions to determine the potential effects of leachate.

Table 17 Chemical analysis of the Mangamiro Stream at Gas and Plumbing's cleanfill, Colson Road, New Plymouth on 3 April 2023

Parameter	Units	3 April 2023
		MMR000060 (u/s of Colson Road)
Conductivity @ 25 °C	mS/m	20.6
Unionised ammonia	g/m ³	0.00010
Ammoniacal nitrogen	g/m ³ -N	0.031
pH	pH	7.0
Suspended solids	g/m ³	8
Temperature	°C	15.2

The ammoniacal nitrogen concentrations continued to be 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.

8.2.3 Investigations, interventions, and incidents

In the 2022-2023 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.

8.3 Discussion

8.3.1 Discussion of site performance

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

8.3.2 Environmental effects of exercise of consents

Observations made during inspections indicate that the presence of the cleanfill is not having any significant effect on the environment.

8.3.3 Evaluation of performance

A tabular summary of the Gas and Plumbing's compliance record for the year under review is set out Table 18.

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

Purpose: To discharge cleanfill onto and into land in the vicinity of an unnamed tributary of the Mangaone Stream		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
1. Discharge only in specified area	Inspections	Yes
2. Only discharge cleanfill and/or inert materials	Inspections	Yes
3. No discharge of materials detailed in the consent	Inspections	Yes
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	No further opportunities for review prior to expiry on 1 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, Gas and Plumbing demonstrated a high level of environmental performance and a high level of administrative performance with their resource consents as defined in Appendix II.

8.3.4 Recommendations from the 2021-2022 Annual Report

In the 2021-2022 Annual Report it was recommended:

1. THAT in the first instance, monitoring of discharges from Gas and Plumbing's cleanfill in the 2022-2023 year continues at the same level as in 2021-2022.

2. THAT should there be issues with environmental or administrative performance in 2022-2023, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

Recommendation 1 was implemented, recommendation 2 was not required.

8.3.5 Alterations to the monitoring programme for 2023-2024

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 consents, and the need to maintain a sound understanding of industrial processes within Taranaki exercising resource consents.

It is proposed that for 2023-2024, 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 2023-2024.

8.4 Recommendations

1. THAT in the first instance, monitoring of discharges from Gas and Plumbing Ltd's cleanfill in the 2023-2024 year continues at the same level as scheduled in 2022-2023.
2. THAT should there be issues with environmental or administrative performance in 2023-2024, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

9 Smudgy Developments – Tukapa Street, Hurdon

9.1 Site description and activities

Smudgy Developments (Smudgy) holds consent 10585-1 to discharge cleanfill onto and into land to level the site on Tukapa Street, Hurdon for future development. The 0.8 ha discharge area (Figure 9) is in a dry, lower lying area of the property. The area is dry because the upstream tributary was piped through the property by a previous owner. The piped unnamed tributary emerges into an open drain below the discharge area, into which the stormwater from the cleanfill flows. This is then piped under Frankley School into the Waimea Stream in the Huatoki catchment.

The consent requires that cleanfill material is limited to only uncontaminated sand, soil, clays, gravel, shingle, stones, bricks and mortar, thereby avoiding the potential for contaminated leachate. The Company records the material discharged at the site and inspects the cleanfill daily to ensure that no unauthorised material has been discharged at the site. The potential for sediment discharges from the site have been reduced by limiting the area that is unstabilised at any time and the installation of a settling pond to treat storm water from the site.

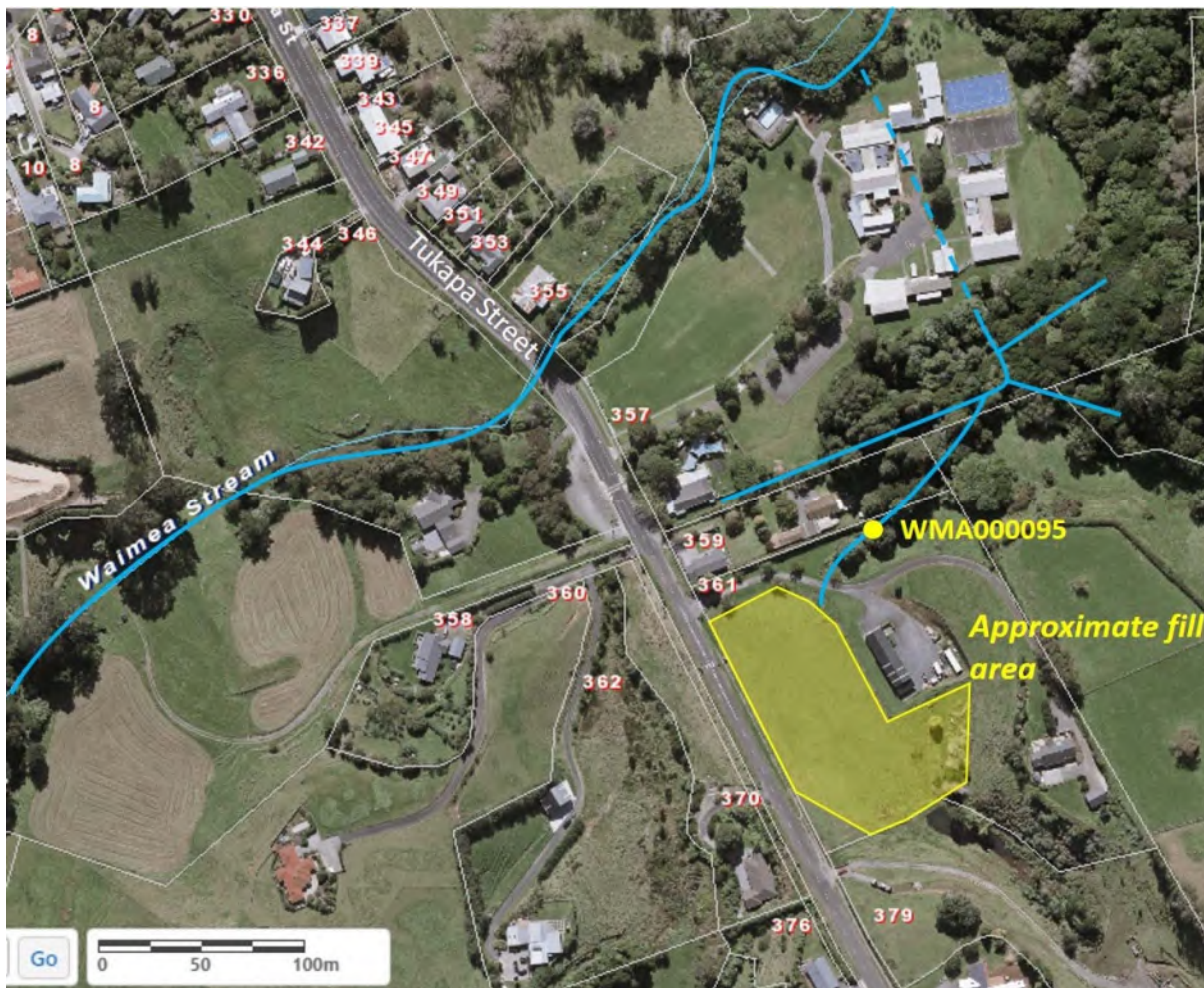


Figure 9 Smudgy Developments cleanfill and sampling site on Tukapa Street, Hurdon

9.2 Results

9.2.1 Inspections

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

5 August 2022

Site development was well underway. Where possible, areas had been revegetated to minimise sediment runoff and silt fences had been installed along the northern boundary. The inspecting officer noted that the silt retention structures required a small amount of maintenance and this was raised with the consent holder. No dust or odour issues were noted at this inspection.

30 March 2023

Site development had progressed and it appeared that no more fill material was required or was being accepted. Drainage infrastructure was in place and the original silt retention pond had been removed. The site was well bunded and a sprinkler system had been installed to control dust. Revegetation was underway where possible. A water sample was collected for analysis at this inspection.

27 June 2023

Construction of a road and footpath were underway and sections had been demarcated. The site was secure and well bunded, certain areas had been hydro seeded. The inspecting officer deemed the site to be compliant with its consent conditions.

9.2.2 Results of discharge and receiving water monitoring

Water samples were collected at a designated sampling point (Figure 9) downstream of the cleanfill in the Waimea Stream on 30 March 2023. The results of the laboratory analysis are presented in Table 19.

Table 19 Chemical analysis of the Waimea Stream at Smudgy's cleanfill, Tukapa Street, New Plymouth, 30 March 2023

Parameter	Units	30 March 2023
		WMA000095 (Smudgy Developments site discharge)
Conductivity @ 25 °C	mS/m	16.7
Unionised ammonia	g/m ³	0.00036
Ammoniacal nitrogen	g/m ³ -N	0.063
pH	pH	7.3
Suspended solids	g/m ³	<3
Temperature	°C	14.0

There are no parameter limits included in the Company's consent. The results of this discharge monitoring do not indicate that leachate is being generated in response to unauthorised cleanfill material.

9.2.3 Investigations, interventions, and incidents

In the 2022-2023 period, there were five instances during which the Council was required to record incidents or undertake further investigations and interventions, in association with Smudgy's resource consent conditions or provisions in Regional Plans (Table 20).

Table 20 Smudgy Incidents, investigations and interventions summary

Date	Details	Enforcement Action Taken?	Outcome
22/07/2022	IN/45701. A complaint was received concerning a contaminated stream due to a developing subdivision at 361 Tukapa Street.	No. This was determined to be a natural event.	N/A
09/12/2022	IN/46617. A member of the public noted that piping was taking place at the property in relation to replacement of a drain. An investigation was conducted to determine if this activity was permitted under the resource consent.	No. This activity complied with the resource consent conditions and Rule 53 of the Regional Fresh Water Plan for Taranaki.	N/A
04/05/2023	IN/47627. A complaint was received concerning a discharge of water from the Tukapa Street subdivision. This flooded a neighbouring property.	Yes. Abatement Notice EAC-25109 was issued. Compliance was to be ascertained after 12 May 2023.	An inspection on 15 May found that the abatement notice and permitted activity rules were being complied with
27/06/2023	IN/47916. Sediment-laden stormwater had discharged from the subdivision onto a neighbouring property. This resulted in flooding and sediment deposition. A bund was constructed to prevent further discharge of stormwater to the property. The discharge was in contravention of abatement notice EAC-25109, issued 4 May 2023.	The discharge contravened the existing Abatement Notice EAC-25019.	Re-inspection found that the abatement notice was being complied with
29/06/2023	ENF-23971. Unauthorised discharge of sediment-laden stormwater into a neighbouring property	Yes. Infringement Notice EAC-25242 was issued for contravention of 15(1)(b) of the Resource Management Act 1991.	N/A

9.3 Discussion

9.3.1 Discussion of site performance

Activities related to the cleanfill consent were well managed during the year under review. Records of the type and origin of the materials discharged at the site were good, and no unauthorised materials were found at the site at the time of the inspections. Site development was underway and there was no evidence that any cleanfill material was discharged during the 2022-2023 monitoring year.

9.3.2 Environmental effects of exercise of consents

Given the limited nature of the materials discharged at this site, the potential contaminant of concern is sediment. At inspection it was found that the silt control measures at the site were effective in preventing adverse effects in the receiving environment.

9.3.3 Evaluation of performance

A summary of Smudgy's compliance record for the 22/23 monitoring is presented in Table 21.

Table 21 Summary of performance for Smudgy Developments cleanfill consent 10585-1.0

Purpose: To discharge cleanfill onto and into land		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
1. Exercise consent in accordance with application	Inspections	Yes
2. Notification prior to exercise of consent	Condition previously complied with	N/A
3. Discharge to occur only in agreed area	Inspections	Yes
4. Only specified cleanfill materials to be discharged	Inspections	Yes
5. No discharge of prohibited materials listed in the consent	Yes	Yes
6. Materials from HAIL ⁴ sites must be confirmed as uncontaminated prior to discharge	Inspections and check of onsite discharge records. No HAIL site material discharged	N/A
7. Specified discharge records to be kept and made available to Council	Inspections and check of onsite discharge records	Yes
8. Adopt best practice	Inspections	Yes
9. Stormwater diversion required around fill site	Inspections	Yes
10. Prevent or minimise any likely adverse effects on the environment due to any discharge at the site, including specified stormwater drainage, silt retention and stabilisation requirements. Suspended solids limit on site discharge	Inspections	Yes
11. Stock to be excluded from diversion drains, silt retention device and unstabilised areas	Inspections	Yes

⁴ Appendix C: Hazardous Activities and Industries List (HAIL) of the *User's Guide: NES for Assessing and Managing Contaminants in Soil to Protect Human Health*

Purpose: To discharge cleanfill onto and into land		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
12. Area of exposed surfaces limited to 1/3 ha. Interim capping, contouring and stabilisation requirements	Inspections	Yes
13. At completion of fill, site to be stabilised as per condition 12	Inspections	Yes
14. Consent to lapse 30 June 2024 unless exercised	Consent exercised	N/A
15. Optional review provision re environmental effects	Provision for review in June 2022. No grounds for review	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, Smudgy demonstrated a high level of environmental performance and a high level of administrative performance in relation to their resource consents as defined in Appendix II.

9.3.4 Recommendations from the 2021-2022 Annual Report

In the 2021-2022 Annual Report it was recommended:

1. THAT in the first instance, monitoring of consented activities at the Smudgy site in the 2022-2023 year continue at the same level as in 2021-2022.
2. THAT should there be issues with environmental or administrative performance in 2022-2023, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

Recommendation 1 was implemented, recommendation 2 was not required

9.3.5 Alterations to the monitoring programme for 2023-2024

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 consents, and the need to maintain a sound understanding of industrial processes within Taranaki exercising resource consents.

It is proposed that for 2023-2024, the programme remains unchanged subject to the consent holder requiring continued discharge of consented fill material to the site.

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 2021-2022.

9.4 Recommendations

1. THAT if no further material is discharged onto and into land, Smudgy Developments could consider consent surrender in the 2023-2024 period. Closure of the consent will be subject to a final inspection which will confirm that the site is adequately capped and stabilised.
2. THAT in the event of further discharge to land, the monitoring of discharges from Smudgy Developments cleanfill in the 2023-2024 year continues at the same level as in 2022-2023.
3. THAT should there be issues with environmental or administrative performance in 2023-2024, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

10 Taranaki Civil Construction Ltd – Carrington Road, Stratford

10.1 Site description and activities

Taranaki Civil Construction Ltd (Taranaki Civil) assumed ownership of a cleanfill at Carrington Road, Hurworth (Figures 10 & 11). This was formerly operated by EE Riddick.

Since November 1991, there have been permits held for the discharge of contaminants to land at this site. The initial water right (3977-1) was issued following the discovery of unauthorised discharges of construction materials. Permits 3977-1 and 3977-2 authorised the discharge of inorganic wastes. The filling that occurred under these permits held by EE Riddick, formed the first lift of the fill site from the top of the gully towards the Huatoki Stream. The depth of this fill was approximately 10 m. Consents 3977-3 to 3977-4 provided for the discharge of cleanfill at the site and the second lift of fill commenced during the exercise of consent 3977-3.

Taranaki Civil obtained resource consent 10990-1.0 on 4 March 2022 to extend the existing fill site by continuing a second lift on top of the earlier fill. The extension is for an area of 3,900 m², with an average fill depth of 4 m prior to the capping of the site. The toe of the fill site is to be contoured to a grazeable grade that will finish 50 m from the natural wetland associated with an unnamed tributary of the Huatoki Stream. The stream runs across the bottom of the property (Figure 10). The total volume of the extension is approximately 20,000 m³ and has an expected lifespan of between four and 10 years. The consented area of the cleanfill is shown in Figure 10. Any stormwater and potential leachate discharged from the cleanfill will enter the unnamed tributary followed by the natural wetland and then the Huatoki River 2.6 km downstream.

Potential effects of the discharge of cleanfill at the site are mitigated by restricting fill materials accepted to uncontaminated:

- sand, soil and clays;
- roading aggregate;
- gravel, shingle, stones;
- bricks and mortar; and
- concrete containing no exposed metal

There is also an Erosion and Sediment Control Plan and Operation and Management Plan in place for the site.

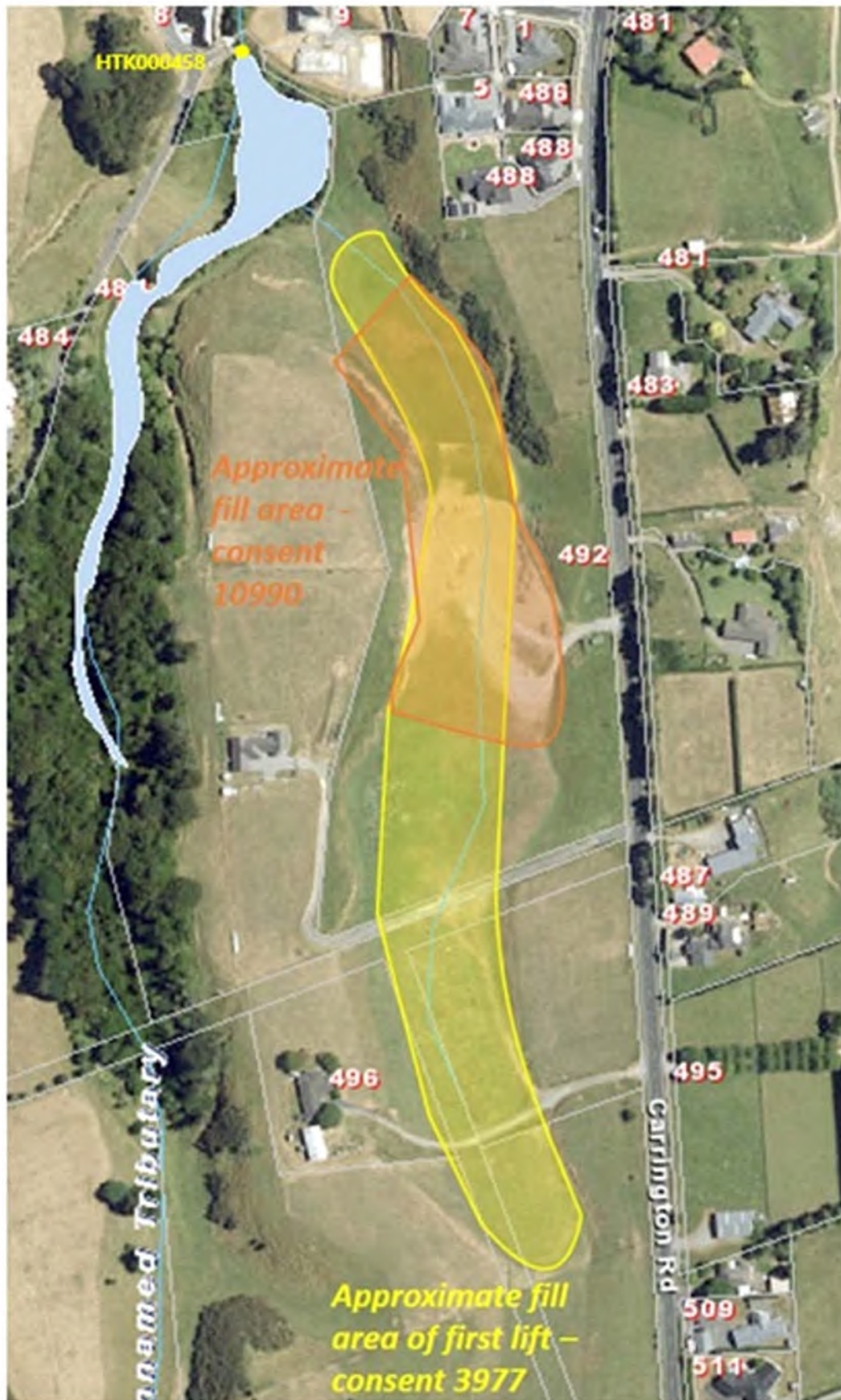


Figure 10 Taranaki Civil Construction cleanfill and sampling location, Carrington Road, Hurworth

Figure 11 Permitted extent of the Taranaki Civil Construction cleanfill on Carrington Road, Hurworth

10.2 Results

10.2.1 Inspections

Three inspections were conducted during the 2022-2023 monitoring period.

8 August 2022

The site appeared to have been well used and well maintained. The recently installed silt retention fences were in good order and no unauthorised fill material was observed. There were no dust or odour issues.

30 March 2023

Two bulldozers were contouring the site and topsoil for site capping was due to be delivered. The inspecting officer noted that no further fill material was being accepted and that the area would be revegetated post capping. The silt retention fences did require some attention. No prohibited fill material was observed and there were no issues with dust or odour. Water samples were collected for analysis at this inspection.

11 May 2023

A visual inspection of the site confirmed that the capping process was almost complete. No unauthorised fill material had been discharged to the site and there were no issues with dust or odour. The inspecting officer noted that the silt retention fences required urgent attention and raised this with the consent holder who stated that they would be repaired promptly.

10.2.2 Results of receiving environment monitoring

Water samples were obtained for analysis from the designated wetland outlet sampling site (Figure 10) on 30 March 2023. The results are presented below (Table 22).

Table 22 Chemical analysis of the Wetland Outlet, Taranaki Civil, Carrington Road, 30 March 2023

Parameter	Units	30 March 2023
		HTK000458 (Wetland outlet)
Conductivity @ 25 °C	mS/m	37.6
Unionised ammonia	g/m ³	0.00045
Ammoniacal nitrogen	g/m ³ -N	0.130
Suspended solids	g/m ³	18
pH	pH	7.0
Temperature	°C	14.5

The results of the physico-chemical analysis fall within comparable ranges for similar sites. Conductivity at this site is more elevated than for most other sites. This may be indicative of a higher suspended sediment value or localised conditions at the time of sampling. Based on these results, it is unlikely that the cleanfill is having an adverse effect upon the environment.

10.2.3 Investigations, interventions, and incidents

In the 2023-2023 period, the Council was not required to conduct additional investigations and interventions, or record incidents, in association with Taranaki Civil's conditions in resource consents or provisions in Regional Plans.

10.3 Discussion

10.3.1 Discussion of site performance

The site was generally well managed during the year under review. It was noted on two occasions that silt retention devices required maintenance.

10.3.2 Environmental effects of exercise of consents

There were no visible effects found in the receiving water at the time of the inspections.

10.3.3 Evaluation of performance

A tabular summary of Taranaki Civil's compliance record for the period under review is presented below (Table 23).

Table 23 Summary of performance for Taranaki Civil Construction Ltd cleanfill consent 10990-1.0

<i>Purpose: To discharge cleanfill into and onto land, and discharge stormwater and sediment into and onto land where stormwater and sediment may enter water</i>		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
1. Activity to be in accordance with application information	Inspections	Yes
2. Council to be notified prior to commencement of exercise of consent	Check of Council records	Yes
3. Discharge to occur in specified area	Inspections	Yes
4. Site to be managed in accordance with construction management plan	Inspections	Yes
5. Only discharge specified cleanfill materials	Inspections	Yes
6. No discharge of prohibited materials listed in the consent	Inspections	Yes
7. No HAIL site material to be discharged without confirmation it is uncontaminated	Inspections	Yes
8. Specifies discharge records that are to be kept	Inspections	Yes
9. Adopt best practice	Inspections	Yes
10. Steps to minimise effects on water to be taken including storm water diversion, and interim compacted cover if area inactive for more than two weeks	Inspections	Yes
11. Site shall be progressively capped according to specified standards	Inspections	Yes
12. As built certification statements to be provided for erosion and sediment controls	Inspections and check of Council records	Yes
13. Stock to be excluded from storm water controls and vegetated areas	Inspections	Yes
14. Progressive and final stabilisation to be carried out in accordance with specified Waikato Guidelines	Inspection	Yes

<i>Purpose: To discharge cleanfill into and onto land, and discharge stormwater and sediment into and onto land where stormwater and sediment may enter water</i>		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
15. Site to be monitored and maintained by consent holder until vegetation sufficiently established to prevent erosion and sediment discharge	Inspection	Yes
16. Erosion and sediment control measures not to be removed until site adequately stabilised	Inspection	Yes
17. Limit of 20,000 m ³ of fill to be discharged as per contour map provided	Inspection. Fill on going within contour map profile	Yes
18. Depth of fill excluding cap not to exceed 4 m	Inspection	Yes
19. Any areas of ponding due to sediment control measures to be lined	Inspection. No ponding noted	N/A
20. Site to be managed as per erosion and sediment control plan	Inspection	Yes
21. Limit on storm water catchment area of 0.5 ha	Inspection	Yes
22. Constituent limits on storm water discharge	Suspended solids and oil and grease assessed visually at inspection	Yes
23. Safe access to be provided to discharge sampling point	Inspection	Yes
24. Prohibition of specific effects in the receiving water	Visual assessment at inspection	Yes
25. Prohibition of effects on ecology and water quality of wetland	Visual assessment at inspection	Yes
26. Provision and maintenance of a contingency plan	Check of Council records. Included in construction management plan	Yes
27. Consent lapse	Consent has been exercised	N/A
28. Review condition	Option for review in June 2023	N/A
Overall assessment of environmental performance in respect of this consent		High
Overall assessment of administrative performance in respect of this consent		High

During the period under review, Taranaki Civil demonstrated a high level of environmental performance and a high level of administrative performance with respect to their resource consents as defined in Appendix II.

10.3.4 Exercise of optional review of consent

Condition 28 of resource consent 10990-1.0 provided the Council with the means to review the consent in June 2023 and then every two years thereafter. This allowance is to ensure that the conditions of the

consent are adequate to address any adverse effects on the environment arising from the activities associated with this consent.

Based on the results of the limited amount of monitoring in the 2022-2023 year, it was not necessary to exercise the optional review.

10.3.5 Recommendations from the 2021-2022 Annual Report

1. THAT in the first instance, monitoring of consented activities at the Taranaki Civil site in the 2022-2023 year include three site inspections and sampling of the discharge and receiving water.
2. THAT should there be issues with environmental or administrative performance in 2022-2023, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.
3. THAT the option for a review of resource consent 10990-1.0 in June 2023, as set out in condition 28 of the consent, not be exercised, on the grounds that the conditions of the consent are adequate to deal with any adverse effects on the environment.

Recommendation 1, 2 and three were implemented.

10.3.6 Alterations to the monitoring programme for 2023-2024

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 consents, and the need to maintain a sound understanding of industrial processes within Taranaki exercising resource consents.

It is proposed that for 2023-2024, the programme remains unchanged subject to the consent holder requiring continued discharge of consented fill material to the site.

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 2021-2022.

10.4 Recommendations

1. THAT in the first instance, monitoring of discharges from Taranaki Civil Construction Ltd's cleanfill in the 2023-2024 year continues at the same level as in 2022-2023.
2. THAT should there be issues with environmental or administrative performance in 2023-2024, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

11 Taranaki Trucking Company Ltd – Cardiff Road, Stratford

11.1 Site description and activities

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 fill area is a steep, narrow gully approximately 35 m wide. The capacity of the site is limited and this is one of the smaller cleanfills described in this report.

Taranaki Trucking Company Ltd (Taranaki Trucking) held two consents for this site, both of which expired on 1 June 2017. Resource consent 5561-1 permitted the discharge of cleanfill onto land in the vicinity of an unnamed tributary of the Waingongoro River. Consent 6280-1 permitted the installation and maintenance of a culvert in the headwaters of an unnamed tributary of the Waingongoro River. This was to prevent contamination of the stream by cleanfill. Culverting was not installed prior to the expiry of consent 6280-1 on 1 June 2017.

An application to renew the cleanfill consent was lodged more than six months prior to its expiry. Consequently, under Section 124 of the RMA, the activity was permitted to continue under the conditions of the expired consent until a decision was made on the renewal. As the site has limited capacity for cleanfill, further culverting of the unnamed tributary would be necessary to continue this activity.

Processing the cleanfill consent renewal was therefore contingent upon the consent holder being granted a consent for further culverting of the unnamed tributary. Due to changes in Central Government legislation, the consent holder was informed that it was unlikely that this would occur. The Company asked if it would be possible to withdraw its application to renew the cleanfill consent. Following a site inspection on 30 March 2022 during the 2021-2022 monitoring year, the Company was advised that rehabilitation work would be required to meet the closure requirements of the consent.

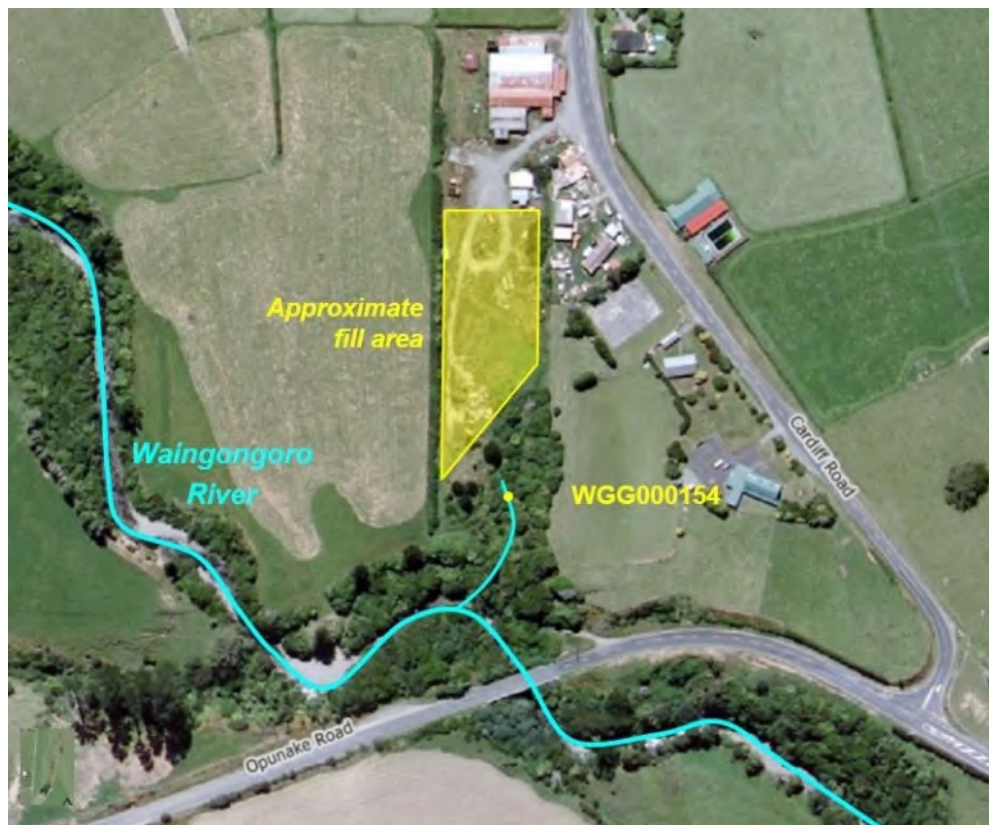


Figure 12 Taranaki Trucking Company Ltd's cleanfill and sampling site at Cardiff Road Stratford

11.2 Results

11.2.1 Inspections

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

1 September 2022

The inspecting officer contacted the consent holder to reiterate the need for rehabilitation to occur to prepare the site for consent surrender. This included removal of unacceptable material, stabilisation of the end of the cleanfill and completion of an acceptable batter. The summer season was discussed as a suitable time to action the rehabilitation process, however a work completion timeframe was yet to be established. The inspecting officer stressed the importance of setting a deadline for work completion and noted that failure to do so may result in an abatement notice.

5 May 2023

Site rehabilitation had commenced, however much progress needed to be made prior to consent surrender. The inspecting officer requested that work be conducted in more settled weather to ensure less disturbance of the stream. Water samples were collected at the point of discharge at the tip face.

11.2.2 Results of receiving environment monitoring

Routine water quality sampling was conducted on 5 May 2023 in the unnamed tributary of the Waingongoro River downstream of the cleanfill site (Figure 12). The results are presented in Table 24.

Table 24 Chemical analysis of the Waingongoro River at Taranaki Trucking Company, Cardiff Road, Stratford on 5 May 2023

Parameter	Units	30 March 2022
		WGG000154 (Toe of Cleanfill)
Conductivity @ 25 °C	mS/m	13.1
Unionised ammonia	g/m ³	<0.000010
Ammoniacal nitrogen	g/m ³ -N	<0.010
Suspended solids	g/m ³	<3
pH	pH	6.1
Temperature	°C	12.7

The results of the water sampling from the tributary are within the expected ranges for comparable streams in Taranaki. On this basis, it is unlikely that any discharges from the cleanfill are having adverse effects on water quality in the tributary or Waingongoro Stream.

11.2.3 Investigations, interventions, and incidents

In the 2022-2023 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.

11.3 Discussion

11.3.1 Discussion of site performance

At the first inspection of the 2022-2023 monitoring year (1 September 2022), it was apparent that site rehabilitation which had been raised during the previous inspection (30 March 2022), had not yet commenced. The requirements for site closure were reiterated to the consent holder and centred on the removal of prohibited material and stabilisation of the cleanfill. Work to restore the site had commenced by the 5 May 2023 inspection, however more needed to be done to prepare the site sufficiently for consent surrender.

11.3.2 Environmental effects of exercise of consents

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.

11.3.3 Evaluation of performance

A summary of the Taranaki Trucking's compliance record for the year under review is set out in Table 25.

Table 25 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	No Unacceptable material was observed on site at first inspection
3. No discharge of materials detailed in the consent	Inspections	No Unacceptable material was observed on site at first inspection
4. If the acceptability of a substance is uncertain, obtain approval from the Council	No approval sought	No. The Council was not contacted ahead of the prohibited materials being disposed of in the clean fill.
5. Discharge to land shall not result in contamination of surface water	Sampling	Yes

Purpose: To discharge cleanfill onto land in the vicinity of an unnamed tributary of the Waingongoro River		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
6. Silt retention structures shall be installed if required	Inspections	Yes
7. Storm water control drains shall be installed if required	Inspections	Yes
8. Adopt best practice	Inspections	No Unacceptable material was observed on site at first inspection
9. Upon completion the discharge site shall be contoured and revegetated	Site not in use. Consent holder was reminded of closure requirements and rehabilitation work had commenced by the second inspection of the monitoring year.	N/A
10. Review condition	No further option for review prior to expiry	N/A
Overall assessment of environmental performance in respect of this consent		Good
Overall assessment of administrative performance in respect of this consent		Improvement required

N/A = not applicable

During the year, Taranaki Trucking demonstrated a good level of environmental performance and a need to improve their level of administrative performance in relation to their resource consents as defined in Appendix II. There was no evidence of any activity at the site during the year under review. The Council is continuing to work with the consent holder with respect to the closure requirements for the site. This includes the removal of unacceptable material observed at the first inspection. No adverse effects were found at the time of the inspections or sampling.

11.3.4 Recommendations from the 2020-2021 Annual Report

In the 2021-2022 Annual Report it was recommended:

1. THAT in the first instance, monitoring of discharges from Taranaki Trucking's cleanfill in the 2022-2023 year continues at the same level as in the 2021-2022 period.
2. THAT should there be issues with environmental or administrative performance in 2022-2023, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

Recommendation 1 was implemented, recommendation 2 was not required.

11.3.5 Alterations to the monitoring programme for 2023-2024

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 consents, and the need to maintain a sound understanding of industrial processes within Taranaki exercising resource consents.

It is proposed that for 2023-2024, the programme remains unchanged until the site stabilisation and consent surrender process has been concluded.

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 2023-2024.

11.4 Recommendations

1. THAT in the first instance, monitoring of discharges from Taranaki Trucking Company Ltd's cleanfill in the 2023-2024 year continues at the same level as scheduled in the 2022-2023 period until the conclusion of the consent surrender process. This will be subject to a final inspection which confirms that the site has been adequately stabilised
2. THAT should there be issues with environmental or administrative performance in 2023-2024, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

12 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 Ltd's** cleanfill in the 2023-2024 period continues at the same level as scheduled for 2022-2023.
2. THAT if no further material is discharged onto and into land, **A & A George Family Trust** could consider consent surrender in the 2023- 2024 period. Closure of the consent will be subject to a final inspection which will confirm that the site is adequately capped and stabilised.
3. THAT in the event of further discharge to land, the monitoring of discharges from **A & A George Family Trust** cleanfill in the 2023-2024 year continues at the same level as in 2022-2023.
4. THAT in the first instance, monitoring of discharges from **BJ & LB Bishop's** cleanfill on Ahu Ahu Road in the 2023-2024 year continues at the same level as in 2022-2023.
5. THAT should there be no further discharge of cleanfill material onto and into land, **Downer EDI Works Ltd (Dorset Road site)** initiates the process of consent surrender. The closure of this consent will be contingent upon a final inspection to ensure that the site has adequately stabilised
6. THAT in the event of further discharge to land, the monitoring of discharges from **Downer EDI Works Ltd Dorset Road** cleanfill in the 2023-2024 year continues at the same level as in 2022-2023.
7. THAT should there be no further discharge of cleanfill material onto and into land, **Downer EDI Works Ltd (Veale Road site)** initiates the process of consent surrender. The closure of this consent will be contingent upon a final inspection to ensure that the site has adequately stabilised
8. THAT in the event of further discharge to land, the monitoring of discharges from **Downer EDI Works Ltd Veale Road** cleanfill in the 2023-2024 year continues at the same level as in 2022-2023.
9. THAT the monitoring programme for the **Downer EDI Works Ltd South Road** site cease, due to the closure of the site and the expiry of consent 6964-1.
10. THAT the Compliance Team continues to monitor **the Downer EDI Works Ltd South Road** site until the cleanfill location has adequately stabilised.
11. THAT in the first instance, monitoring of discharges from **Gas and Plumbing Ltd's** cleanfill in the 2023-2024 year continues at the same level as scheduled in 2022-2023.
12. THAT if no further material is discharged onto and into land, **Smudgy Developments** could consider consent surrender in the 2023-2024 period. Closure of the consent will be subject to a final inspection which will confirm that the site is adequately capped and stabilised.
13. THAT in the event of further discharge to land, the monitoring of discharges from **Smudgy Developments** cleanfill in the 2023-2024 year continues at the same level as in 2022-2023.
14. THAT in the first instance, monitoring of discharges from **Taranaki Civil Constuction Ltd's** cleanfill in the 2023-2024 year continues at the same level as in 2022-2023.
15. THAT in the first instance, monitoring of discharges from **Taranaki Trucking Company Ltd's** cleanfill in the 2023-2024 year continues at the same level as scheduled in the 2022-2023 period until the conclusion of the consent surrender process. This will be subject to a final inspection which confirms that the site has been adequately stabilised
16. THAT should there be issues with environmental or administrative performance in 2023-2024, at any of the above sites, 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.
HAIL site	A site that has had activities undertaken on it that are listed in Appendix C: Hazardous Activities and Industries List (HAIL) of the <i>User's Guide: NES for Assessing and Managing Contaminants in Soil to Protect Human Health</i>
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 consents (Sections 12, 14 and 15), water consents (Section 14) and discharge consents (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.
Virgin excavated material	Virgin excavated materials (VEM) such as clay, soil and rock that are free of: <ul style="list-style-type: none"> • combustible, putrescible, degradable or leachable components;

- hazardous substances or materials (such as municipal solid waste) likely to create leachate by means of biological breakdown;
- products or materials derived from hazardous waste treatment, stabilisation or disposal practices;
- materials such as medical and veterinary waste, asbestos, or radioactive substances that may present a risk to human health if excavated;
- contaminated soil and other contaminated materials; and
- liquid waste.

When discharged to the environment, cleanfill material will not have a detectable effect relative to the background.

*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 an Environment Quality Manager.

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Appendix I

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

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

Water abstraction consents

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. Consents authorising the abstraction of water are issued by the Council under Section 87(d) of the RMA.

Water discharge consents

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

Air discharge consents

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

Land use consents

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 consents are issued by the Council under Section 87(a) of the RMA.

Coastal consents

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 consents 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.

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

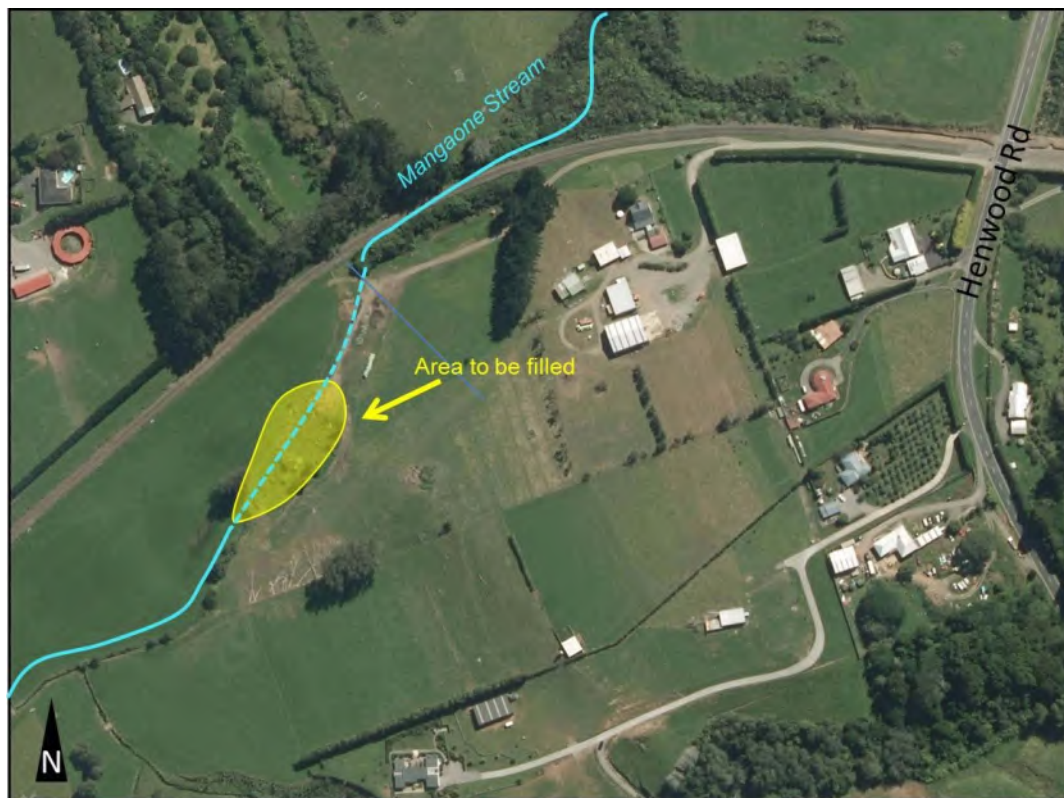


Figure 2 Area where the discharge of cleanfill is permitted.

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

Appendix 1. Updated plan showing areas permitted to be filled (outlined in red)



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.

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: 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: Downer NZ Limited
PO Box 272
New Plymouth 4340

Decision Date: 6 May 2013

Commencement Date: 6 May 2013

Conditions of Consent

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

Expiry Date: 1 June 2032

Review Date(s): June 2020, June 2026

Site Location: 195A Dorset Road, New Plymouth

Legal Description: Lot 1 DP 415473 (Discharge site)

Grid Reference (NZTM) 1698416E-5674087N

Catchment: Waiwhakaiho

Tributary: Mangaone
Manganaha

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

General condition

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

Special conditions

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

Consent 9532-1

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

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

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

Transferred at Stratford on 1 April 2016

For and on behalf of
Taranaki Regional Council

A D McLay
Director - Resource Management



Map showing the extent of cleanfill discharge.

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

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

Decision Date: 13 May 2014

Commencement Date: 13 May 2014

Conditions of Consent

Consent Granted: To discharge cleanfill onto and into land

Expiry Date: 1 June 2032

Review Date(s): June 2020, June 2026

Site Location: 82 Veale Road, Frankleigh Park

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

Grid Reference (NZTM) 1692808E-5671860N

Catchment: Huatoki

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

General condition

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

Special conditions

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

Consent 5213-2.0

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

Signed at Stratford on 13 May 2014

For and on behalf of
Taranaki Regional Council

A D McLay
Director-Resource Management

Appendix 1



Figure 2 Area where the discharge of cleanfill is permitted.

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

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

Decision Date (Change): 19 July 2013

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

Conditions of Consent

Consent Granted: To discharge cleanfill onto and into land

Expiry Date: 1 June 2022

Review Date(s): June 2016

Site Location: 461A & 421 South Road, Hawera

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

Grid Reference (NZTM) 1713092E-5615228N

Catchment: Tangahoe

Tributary: Tawhiti

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

General conditions

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

Special conditions

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

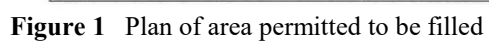
Consent 6964-1

7. A maximum volume of 350 cubic metres of dried silt can be applied to the cleanfill site per year.
8. If the consent holder is uncertain as to the acceptability or not of a certain material the consent holder shall obtain written approval from the Chief Executive, Taranaki Regional Council, prior to its discharge.
9. The consent holder shall install and maintain silt retention structures to the satisfaction of the Chief Executive, Taranaki Regional Council.
10. The consent holder shall install and maintain stormwater diversion drains to the satisfaction of the Chief Executive, Taranaki Regional Council.
11. The consent holder shall ensure that the final contours of the filled area allow for stormwater to flow away the site and allow for secondary flow paths for any overflow from Flemings pond.
12. With three months of granting of this consent the consent holder shall prepare, maintain, and comply with a site contingency plan and a site management plan to the satisfaction of the Chief Executive, Taranaki Regional Council.
13. This consent shall lapse on the expiry of five years after the date of issue of this consent, unless the consent is given effect to before the end of that period or the Taranaki Regional Council fixes a longer period pursuant to section 125(1)(b) of the Resource Management Act 1991.
14. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2008 and/or June 2010 and/or June 2016, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.
15. The discharge to land shall not result in any contaminant entering surface water or groundwater.

Signed at Stratford on 19 July 2013

For and on behalf of
Taranaki Regional Council

Director-Resource Management



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

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

Decision Date: 12 October 2007

Commencement
Date: 12 October 2007

Conditions of Consent

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

Expiry Date: 1 June 2026

Review Date(s): June 2014, June 2020

Site Location: 56 Colson Road, New Plymouth

Legal Description: Lot 1 DP 317882

Catchment: Waiwhakaiho

Tributary: Mangaone

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

General conditions

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

Special conditions

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

Consent 7165-1

6. The consent holder shall install and maintain stormwater diversion drains to minimise stormwater entering the cleanfill discharge area.
7. Notwithstanding any conditions within this consent, the consent holder shall at all times adopt the best practicable option or options [as defined in section 2 of the Resource Management Act 1991] to prevent or minimise any actual or potential effect on the environment arising from any discharge at the site.
8. Upon completion of the works associated with the exercise of this consent, the discharge site covered by this consent shall be stabilised and revegetated.
9. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2014 and/or June 2020, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Transferred at Stratford on 8 August 2012

For and on behalf of
Taranaki Regional Council

Director-Resource Management

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

Name of
Consent Holder: Smudgy Developments
 Nathan & Karen Stacey Mumby
 PO Box 1095
 New Plymouth 4340

Decision Date 13 June 2019

Commencement Date 13 June 2019

Conditions of Consent

Consent Granted: To discharge cleanfill onto and into land

Expiry Date: 1 June 2032

Review Date(s): June 2020, June 2022, June 2024,
 June 2026, June 2028, June 2030

Site Location: 361 Tukapa Street, Hurdon

Grid Reference (NZTM) 1691426E-5672478N

Catchment: Huatoki

Tributary: Waimea

*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 exercise of this consent shall be undertaken in general accordance with the information provided in support of the original application for this consent. Where there is conflict between the application and consent conditions the conditions shall prevail.
2. The consent holder shall notify the Chief Executive, Taranaki Regional Council, in writing at least 7 days prior to commencement of any works. Notification shall include the consent number, a brief description of the activity consented, and the intended commencement date. It shall be served by email to worknotification@trc.govt.nz unless the Chief Executive advises that an alternative electronic method of service is required.
3. The discharge of cleanfill shall only occur in the area identified on the attached plan (Appendix 1).
4. Subject to condition 6, the contaminants to be discharged shall be limited to:
 - sand, soil and clays;
 - gravel, shingle, stones;
 - bricks and mortar;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, textiles, steel, galvanised metals, construction materials containing paint or fillers or sealers or their containers, oils or greases or any liquids or sludges or their containers, any industrial process by-products, any poisons or solvents or their containers, batteries, general domestic refuse, or any wastes with the potential to render land or any vegetation grown on the land toxic to vegetation or to animals consuming such vegetation.
6. No material originating from activities described in Appendix C: Hazardous Activities and Industries List (HAIL) of the *User's Guide: NES for Assessing and Managing Contaminants in Soil to Protect Human Health*¹ or subsequent documents, shall be discharged without confirmation from the Chief Executive, Taranaki Regional Council, that the material is uncontaminated.

¹ Ministry for the Environment (2012)
Page 2 of 5

7. The consent holder shall keep a record of the material discharged at the site. This record shall be 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 at all times adopt the best practicable option or options (as defined in section 2 of the Resource Management Act 1991) to prevent or minimise any actual or potential effect on the environment arising from any discharge at the site.
9. The consent holder shall ensure that the only source of water entering the fill site is that of direct rainwater and the fill is isolated from any stormwater infiltration from the immediate catchment area.
10. The consent holder shall take all reasonable and necessary steps to minimise effects of the activity on water, including, but not limited to, the following:
 - installation and maintenance of diversion drains and retention devices to minimise stormwater infiltration into the filled area;
 - installation and maintenance of sediment settling/maturation pond to ensure any discharges from the site do not exceed a suspended solids concentration of 100 g/m³; and
 - placing interim cover of 100 mm of compacted clay on any exposed fill during periods of inactivity no more than 1 month.
11. The consent holder shall ensure that the diversion drains and retention devices required by condition 10 and any unstabilised and unvegetated areas, are fenced to exclude stock.
12. The consent holder shall progressively cap exposed surfaces of the discharge area to ensure there is no more than 1/3 ha of unstabilised and unvegetated fill at any one time. The fill cap shall:
 - have a minimum layer of compacted clay, at least 300 mm thick and shall be covered with topsoil, no less than 100 mm thick;
 - be contoured to prevent ponding and promote runoff from the fill cap area; and
 - be stabilised and vegetated in a manner that withstands subsidence, erosion or scouring.
13. Upon completion of the cleanfill discharge authorised by this consent, the discharge site shall be stabilised and re-vegetated in accordance with special condition 12.
14. 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.

15. 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 then every 2 years thereafter, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Signed at Stratford on 13 June 2019

For and on behalf of
Taranaki Regional Council

A D McLay
Director - Resource Management

Appendix 1 - Cleanfill discharge area



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 Civil Construction Limited

Decision Date: 4 March 2022

Commencement Date: 4 March 2022

Conditions of Consent

Consent Granted: To discharge cleanfill into and onto land and discharge stormwater and sediment into and onto land where stormwater and sediment may enter water

Expiry Date: 1 June 2032

Review Date(s): June 2023, June 2025, June 2027, June 2029, June 2031

Site Location: 492 & 496 Carrington Road, Hurworth

Grid Reference (NZTM) 1693860N – 5672082E

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. That the activity be in general accordance with the application received by the Taranaki Regional Council (the Council) on 11 February 2022 and the plans and all other information submitted in support of the application and held under Council consent file 10990-1.0 and 11002-1.0 except where changes are required by conditions below. Where there is conflict between the application and consent conditions the conditions shall prevail.
2. The consent holder shall notify the Chief Executive, Taranaki Regional Council, in writing at least 7 days prior to commencement of any works. Notification shall include the consent number, a brief description of the activity consented, and the intended commencement date. Notification shall be served via the “notification of work” form on the Council’s Website (<http://bit.ly/TRCWorkNotificationForm>)
3. The discharge of cleanfill shall only occur in the area identified on the attached plan (Appendix 1) and under Council Document #3002280.
4. The site shall be managed in accordance with the construction management plan dated 10 February 2022 or subsequent plan, offering no lesser level of environmental protection, and approved by the Chief Executive Taranaki Regional Council acting in a certification capacity.

Note: The applicant’s construction management plan can be found under Council document number #3002210.

5. Subject to condition 6, the contaminants to be discharged shall be limited to uncontaminated:
 - sand, soil and clays;
 - roading aggregate;
 - gravel, shingle, stones;
 - bricks and mortar;
 - concrete containing no exposed metal

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.

6. 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, textiles, steel, galvanised metals, construction materials containing paint or fillers or sealers or their containers, oils or greases or any liquids or sludges or their containers, any industrial process by-products, any poisons or solvents or their containers, batteries, general domestic refuse, or any wastes with the potential to render land or any vegetation grown on the land toxic to vegetation or to animals consuming such vegetation.
7. No material originating from activities described in Appendix C: Hazardous Activities and Industries List (HAIL) of the User's Guide: NES for Assessing and Managing Contaminants in Soil to Protect Human Health¹ or subsequent documents, shall be discharged without confirmation from the Chief Executive, Taranaki Regional Council, that the material is uncontaminated.
8. The consent holder shall keep a record of the material discharged at the site. This record shall be made available to the Chief Executive, Taranaki Regional Council on request. The record kept shall include as a minimum:
 - a) a description of material received;
 - b) the source of the material, including the location details;
 - c) the total volume (or truck loads) of the material;
 - d) name, address and other contact details of the 'Discharger'; and
 - e) the date and period of discharge.
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 take all reasonable and necessary steps to minimise effects of the activity on water, including, but not limited to, the following:
 - a) installation and maintenance of diversion drains and retention devices to minimise stormwater infiltration into the filled area;
 - b) placing interim cover of 100 mm of compacted clay on any exposed fill during periods of inactivity more than two weeks.
11. The consent holder shall progressively cap exposed surfaces of the discharge area to ensure there is no more than 1/3 ha of unstabilised and unvegetated fill at any one time. The fill cap shall:
 - a) have a minimum layer of compacted clay, at least 300 mm thick and shall be covered with topsoil, no less than 100 mm thick;
 - b) be contoured to prevent ponding and promote runoff from the fill cap area; and
 - c) be stabilised and vegetated in a manner that withstands subsidence, erosion or scouring. Stabilisation shall be as per the requirement of condition 14 and 15

¹ Ministry for the Environment (2012)

12. The consent holder shall, prior to discharge of fill commencing, submit to the Taranaki Regional Council "As Built Certification Statements" signed by an appropriately qualified and experienced professional, certifying that the sediment retention ponds have been constructed in accordance with the certified Erosion and Sediment Control Plan (ESCP). Information contained in the certification statement shall include at least the following:

- a) confirmation of contributing catchment areas;
- b) the location, capacity and design of the structure;
- c) position of inlets and outlets; and
- d) any other relevant matter

As Built Certification Sheets can be found here:

<https://www.waikatoregion.govt.nz/services/regional-services/consents/resource-consents/more-information-and-tools/earthworks/guidelines-factsheets-and-as-built-certification-sheets/>

13. The consent holder shall ensure that stormwater flow paths, erosion and sediment controls, and any unstabilised and unvegetated areas, are fenced to exclude stock.
14. The consent holder must progressively stabilise, re-contour and re-vegetate any disturbed areas to minimise sediment runoff and erosion until the site has been stabilised in accordance with the measures detailed in the Waikato Regional Council document titled "*Erosion and Sediment Control – Guidelines for Soil Disturbing Activities*", as soon as practically possible and within a period not exceeding two weeks after completion the discharge authorised by this consent authorised by this resource consent.
15. Stabilisation must be undertaken by providing adequate measures (vegetative and/or structural) that will immediately stabilise disturbed areas, and will minimise sediment runoff and erosion to the satisfaction of the Chief Executive Taranaki Regional Council acting in a technical certification capacity. The Consent Holder must monitor and maintain the site until vegetation is established to such an extent that it prevents erosion and prevents sediment from entering any water body.
16. Erosion and sediments control measures shall not be removed until the area that the control measure is treating has been adequately stabilised to the satisfaction of the Chief Executive Taranaki Regional Council acting in a technical certification capacity.
17. No more than 20,000 m³ of cleanfill may be discharged into the proposed fill area depicted in the contour map shown in (Appendix I) and under Council Document #3003068.
18. The depth of fill shall not exceed 4 metres. This does not include the fill cap.
19. Any areas of ponding from stormwater detention by the *Initial Decanting Earth Pond* and *Decanting Earth Pond* proposed in the applicants Erosion and Sediment Control Plan must be fully lined with an impermeable liner.

Note: The applicants ESCP can be found under Council document number #3002215.

20. The site shall be managed and any stormwater treated in general accordance with the Soil Erosion and Sediment Control Plans submitted to Council on 11 February 2022 or subsequent plan, offering no lesser level of environmental protection, and approved by the Chief Executive Taranaki Regional Council acting in a certification capacity.

Note: The applicants ESCP can be found under Council document number #3002215.

21. The stormwater discharged shall be from an area not exceeding 0.5 ha located on the land area identified on the attached plan (Appendix I) and under Council Document #3003068.
22. Constituents of the discharge shall meet the standards shown in the following table:

Constituent	Standard
pH	Within the range 6.0 to 9.0
Suspended solids	Concentration not greater than 100 gm ⁻³
Oil and grease	Concentration not greater than 15 gm ⁻³
Chloride	Concentration not greater than 50 gm ⁻³

These standards shall apply before entry of the treated stormwater into the natural wetland depicted in Appendix 1, at a designated sampling point approved by the Chief Executive, Taranaki Regional Council.

23. From 1 June 2022 the consent holder shall ensure that there is always clear and safe all-weather access to a point where the discharge can be sampled to check compliance with condition 22 above.
24. 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.

No ecological or water quality degradation to the natural wetland (depicted in Appendix II) shall occur as a result of this consent.

25. By 1 June 2022 the consent holder shall maintain and regularly update a 'Contingency Plan' that details measures and procedures that will be undertaken to prevent, and to avoid environmental effects from, a spillage or any discharge of contaminants not authorised by this consent. The plan and any amended versions shall be provided to the Chief Executive, Taranaki Regional Council.
26. This consent lapses 5 years after its commencement date (shown on the front of this document), unless the consent is given effect to before the end of that period or the Taranaki Regional Council fixes a longer period in accordance with section 125(1)(b) of the Resource Management Act 1991.

27. 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 then every 2 years thereafter, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Signed at Stratford on 4 March 2022

For and on behalf of
Taranaki Regional Council



A D McLay
Director - Resource Management

Appendix I - Cleanfill discharge area



Appendix 1 – Natural wetland to the north of the activity site



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

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

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

Conditions of Consent

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

Expiry Date: 1 June 2017

Review Date(s): June 2005, June 2011

Site Location: Cardiff Road, Cardiff, Stratford

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

Catchment: Waingongoro

General conditions

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

Special conditions

- 1. The exercise of this consent shall be carried out in general accordance with the information submitted in support of the application.
- 2. The contaminants to be discharged shall be limited to cleanfill and/or inert materials. For the purposes of this condition, "clean fill and inert materials" are defined as materials consisting of any concrete, cement or cement wastes, bricks, mortar, tiles (clay, ceramic or concrete), non-tanalised timber, porcelain, glass, gravels, boulders, shingles, fibreglass, plastics, sand, soils and clays, and/or tree stumps and roots, whether singly or in combination or mixture, or any other material that when placed onto and into land will not render that land or any vegetation grown on that land toxic to vegetation or animals consuming vegetation.
- 3. The discharge of the following contaminants shall not occur: food wastes, paper and cardboard, grass clippings, garden wastes containing green vegetation, textiles, steel, galvanised metals, construction materials containing paint or fillers or sealers or their containers, oils or greases or any liquids or sludges or their containers, any industrial process by-products other than as permitted under condition 2, any poisons or solvents or their containers, batteries, general domestic refuse not otherwise described, or any wastes with the potential to render land or any vegetation grown on the land toxic to vegetation or to animals consuming such vegetation.
- 4. If the consent holder is uncertain as to the acceptability or not of a certain material the consent holder shall obtain written approval from the Consents Manager, Taranaki Regional Council, prior to its discharge.
- 5. The discharge to land shall not result in any contaminant entering surface water.
- 6. Silt retention structures shall be installed and maintained to the satisfaction of the Chief Executive, Taranaki Regional Council.
- 7. The consent holder shall install and maintain stormwater diversion drains to minimise stormwater movement across, or ponding on the site, to the satisfaction of the Chief Executive, Taranaki Regional Council.
- 8. Notwithstanding any conditions within this consent, the consent holder shall at all times adopt the best practicable option as defined in Section 2 of the Resource Management Act 1991, to prevent or minimise any actual or potential effect on the environment arising from any discharge at the site.
- 9. Upon completion of the works associated with the exercise of this consent, the discharge site covered by this consent shall be stabilised and revegetated to the satisfaction of the Chief Executive, Taranaki Regional Council.

Consent 5561-1

10. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2005 and June 2011, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Signed at Stratford on 20 February 2004

For and on behalf of
Taranaki Regional Council

Director-Resource Management

Appendix II

Categories used to evaluate environmental and
administrative performance

Categories used to evaluate environmental and administrative performance

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

Events that were beyond the control of the consent holder and unforeseeable (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.