



p | 0738 67967
f | 0738 60169
e | bookings@micamp.co.nz
a | 100 Rawhira Road
RD2
Turangi
New Zealand 3382



09 January 2019

71131-OTH

Department of Conservation
Attention: Julie Mackie: jmackie@doc.govt.nz

Re: Concession Application MiCamp Trust 71131-OTH

Dear Julie,

The following is the list of Information required for our lease extension.

1. Structures

- a) Climbing tower; Attached is the Code Compliance Certificate dated 9 September 2010. This is a permanent structure. Please find attached photos and a recent engineer report on its condition. Independent auditing of this structure happens regularly to ensure safety and that our Adventure Activity Registration Audit is compliant.
- b) Ropes courses; This is made up of three separate activities. Challenge Ropes, Initiative/Team Building Course and Low Ropes Course. Each are constructed in a similar manner, poles in the ground and cables/ropes fixed between the poles to make up the activity. This has been a part of the MiCamp activities for many years. Exact date of construction is unknown. We have regular internal safety checks to maintain the integrity of the courses. We have recently established the Challenge Ropes Course. This was previously the High Ropes Course. When we were trying to

reopen this, the High Ropes, the engineer we had commissioned to check the integrity of the poles, failed them as the timber was rotting in the top. We dismantled the high ropes elements and established our Challenge Ropes Course in its place. All the elements of this course being under three (3) meters off the ground just needs to be internally audited.

- c) Water slide; this is a permanent platform under a meter of the ground that follows the contours of the ground. This was constructed in 2018 and replaced a temporary, polyethylene slide which was not functioning as per purpose.
- d) Waste water Peat Bed; This was constructed according to records in 2010. Attached is a copy of the Resource Consent Certificate for the waste water peat bed. This expires at the end of March 2025.

2. See attached Aerial Map

3. Instructional Activities:

On this leased piece of land, MiCamp is involved with quite a number of instructed activity. BMX, Water Slide, Initiative/Team Building, Low Ropes, Challenge Ropes, Climbing Tower (which includes artificial rock climbing, Zip Lining), Geocaching, Orienteering and night wide games. Sometimes we use the lower area for our Bushcraft activities. We are working on getting our qualifications for Abseiling off the tower as well. Obviously this is a lot of activities. Our objectives in doing these are to introduce the participants to an activity that they may not have done before or only on a few occasions. This builds confidence and skills and hopefully allows the person to gain an appreciation and love for the outdoors and the activities that can be done in it. We constantly see campers challenging themselves and coming away with a sense of accomplishment at having achieved the various goals or objectives that are offered by these activities.

4. Lease Term:

We would be considering a long term lease of 30 years.

Concession fees; Micamp is and Incorporated Society registered with the Charities Services. See attached Certificate.

Taken straight from our SMS is the following;

"2.1 Business aims:

We aim to give children and young people the opportunity to: engage in adventure based outdoor pursuits, crafts, music and dance as tools in building their self-esteem; appreciate the beauty of their environment and realize the role they play in its preservation; participate in values based programming including life skills education, prevention of and alternate choices to the negative pressures of violence and abuse present in today's society and show the relevance of Christian life in today's world."

We do not consider ourselves a commercial operation but a community based organisation in that we want the children and youth that use our facilities/activities to gain skills and experiences that help them to become beneficial members of society.

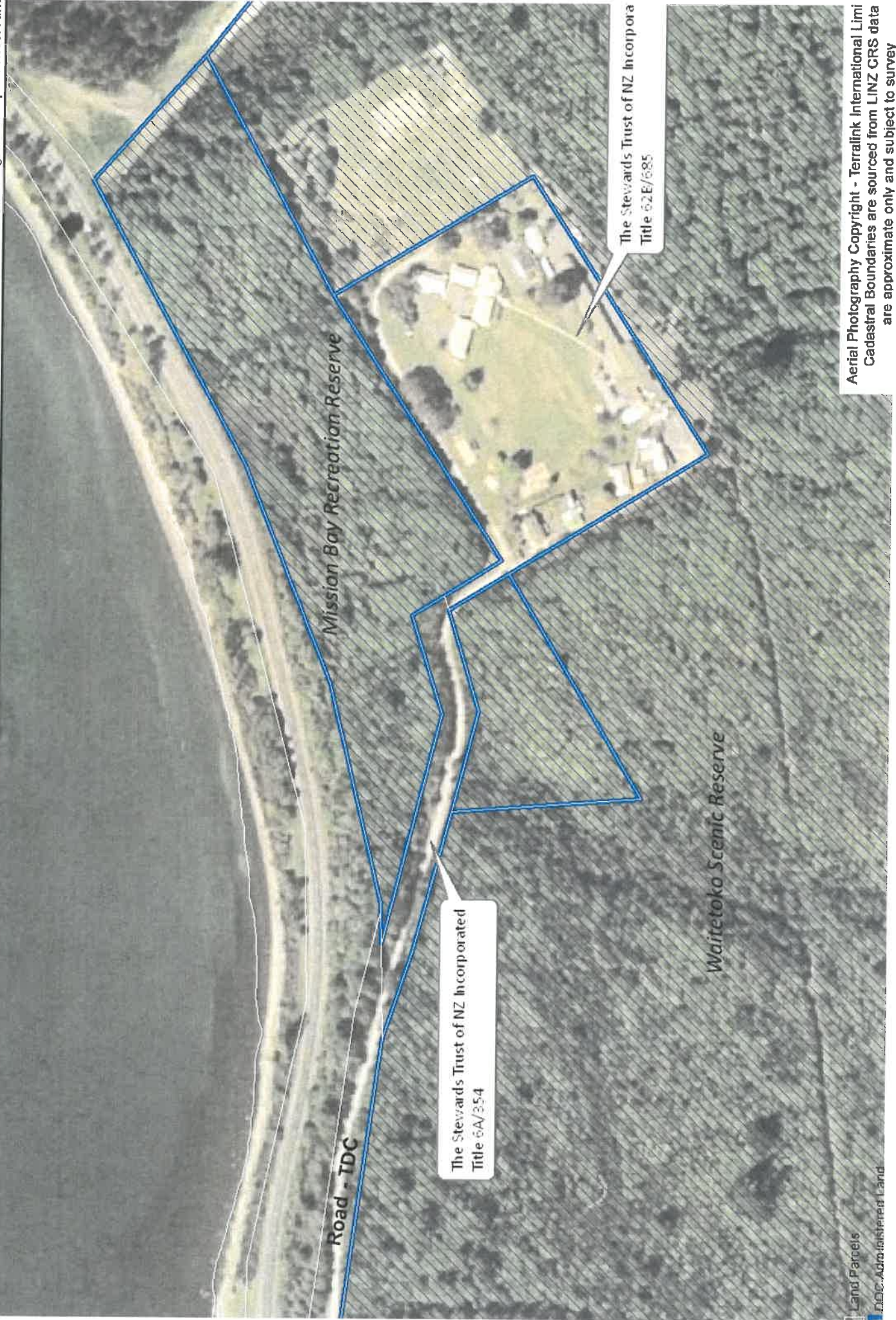
In our last audited accounts our total profit was only See
attached report.

Kind regards

Ted Muir
Camp Manager

Lake Taupo Christian Camp

Access Road



Aerial Photography Copyright - Terralink International Limited
Cadastral Boundaries are sourced from LINZ GRS data
are approximate only and subject to survey



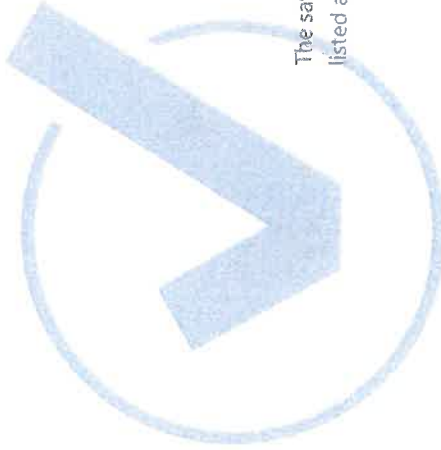






OutdoorsMark

ADVENTURE ACTIVITY SAFETY AUDIT CERTIFIED



This is to certify that

MiCamp Trust Trading as MiCamp Taupo

100 Rawhira Road, Turangi

has passed a safety audit conducted by Skills Active Aotearoa Ltd.

The safety audit established that the operator's Safety Management System and delivery of listed adventure activities complies with the Safety Audit Standard for Adventure Activities.

| | |
|-------------------------------------|----------------------------|
| Adventure Activities | Location |
| Zipline | MiCamp Taupo and Whakamaru |
| Climbing on an artificial structure | |

Jason Hare
OutdoorsMark Certifier

| | |
|-------------|-------------|
| Issue Date | Expiry Date |
| 15-Feb-2018 | 14-Feb-2021 |



This schedule is issued by Skills Active Aotearoa Ltd, PO Box 2183, Wellington, 6140. OutdoorsMark™, the safety audit programme designed specifically for outdoor recreation, outdoor education and adventure operators, is administered by Skills Active Aotearoa Ltd. This certificate remains the property of Skills Active Aotearoa Ltd and must be returned upon request. It must not be altered or defaced in any way and deliberate misuse of the certificate will result in cancellation without notification. The Safety Audit Standard for Adventure Activities is published by WorkSafe New Zealand in accordance with the Health and Safety at Work (Adventure Activities) Regulations 2016. Continuation of the safety certificate requires the operator to conform to, and successfully complete, any conditions associated with this certificate and surveillance activities. Disclaimer: In awarding this certificate, Skills Active Aotearoa Ltd has carried out a point in time audit of the operator's safety systems against the required standard. This is NO GUARANTEE that the operator will operate safely and Skills Active Aotearoa Ltd accepts no responsibility for the operator's implementation of their safety management system with its clients.

Certificate No. 2018 1903 AAC 187

RESOURCE CONSENT CERTIFICATE

401 Grey Street
Hamilton East
Hamilton 3216

Private Bag 3038
Waikato Mail Centre
Hamilton 3240

Resource Consent: AUTH133567.01.01

File Number: 60 37 55A

ph +64 7 859 0999
fax +64 7 859 0998
www.waikatoregion.govt.nz

Pursuant to the Resource Management Act 1991, the Regional Council hereby grants consent to:

MiCamp Trust (Bevin Severinsen & Averil Naumai)
100 Rawhira Road
Waitetoko
RD 2
Turangi 3382

(hereinafter referred to as the Consent Holder)

Consent Type: Resource Consent

Consent Subtype: Land - sewage (Taupo)

Activity authorised: To discharge treated domestic effluent to land at the MiCamp Youth Camp, Waitetoko

Location: Rawhira Rd - Waitetoko

Consent duration: This consent will commence on the date of decision notification and expire on 31 March 2025

Subject to the conditions overleaf:

Civil Engineering Central Ltd

Allan M^cKerchar

M.I.P.E.N.Z. B.E. (Civil) N.Z.C.E. (Civil)

Civil Engineering Central Ltd
P.O. Box 16110
Tauranga 3174

E-mail engineer@orcon.net.nz
Mobile 027 4812239

Office 07 552 4661
Home 07 552 4661

30th November 2017

The Manager
MiCamp Ongaroto
Email: ted@micamp.co.nz

Inspection, Tower Structure

1105 Ongaroto Road, Atiamuri

An inspection for the activities tower structure has been completed. The specified remedial work has been completed to the Engineers satisfaction.

I therefore can now certify that the structure is fit for purpose.

I would recommend that the structure should be re-inspected in five years to check for any deterioration.

This certification therefore expires on 30th November 2022.

Kind Regards,



Allan McKerchar

Civil Engineering Central Limited

9 September 2010

The Stewards' Trust of New Zealand Inc
C/- Lake Taupo Christian Camp
100 Rawhira Road
RD 2
Turangi 3382

Dear Sir/Madam

Subject: Code Compliance Certificate in relation to BC090798

Please find enclosed the Code Compliance Certificate for the above Building Consent.

If you require further information, please contact the Building Management team on 07 376 0752.

Yours sincerely

Shelley Dunham
Technical Support Officer



Nil PIM

Building Construction Category

1
 2
 3
 4

PIM / Application No. 090798
 Date Received 9.09.09
 Date Issued _____
 Site File No. _____

Form 2

APPLICATION FOR BUILDING CONSENT AND/OR PROJECT INFORMATION MEMORANDUM

Section 33 or section 45, Building Act 2004

THE BUILDING

Street address of building:
[for structures that do not have a street address, state the nearest street intersection and the distance and direction from that intersection]

100 Kawhira Rd
RD2
Turangi

Legal description of land where building is located
[state legal description as at the date of application and if the land is proposed to be subdivided include details of relevant lot numbers and subdivision consent]

Subdivision Consent [if applicable] _____
 Valuation No. _____ Lot No. _____
 DPS _____ Section _____
 Block _____ Survey District _____

Building name: Climbing Tower

See SITE PLAN

Location of building within site/block number:
[include nearest street access]

Number of levels: N/A
[include ground level and any levels below ground]

Level/unit number: N/A
[insert level/unit number if applicable]

Area: _____ m²
[total floor area; indicate area affected by the building work if less than the total area]

Current, lawfully established, use:
[include number of occupants per level and per use if more than 1]

Climbing Tower

Year first constructed: 6 2002
[insert year, approximate date is acceptable e.g. c1920s or 1960-1970]

Expected completion date: may 2010
[insert month year]

Taupo District Council
 Gillespie Plaza
 - 9 SEP 2009
 Received by.....at.....

Code Compliance Certificate
Section 95, Building Act 2004

The Building

BC No: 090798

Street address of building: 100 Rawhira Road, Waitetoko

Legal description of land where building is located: Sec 1 SO 42891 Blk IV, Tokaanu SD

Valuation number: 0740231300

Building name: Climbing Tower

Location of building within site/block number: Land leased by Lake Tpo Christian Camp trust

Current, lawfully established, use:

Year first constructed:

The Owner

Name of owner: The Stewards' Trust of New Zealand Inc

Contact person: Dave Lumley

Mailing address: C/- Lake Taupo Christian Camp, 100 Rawhira Road, RD 2, Turangi 3382

Phone number: Daytime: 07 386 8607

First point of contact for communications with the council/building consent authority:

Full Name: Lake Taupo Christian Camp Trust

Mailing Address: 100 Rawhira Road, RD 2, Turangi 3382

Phones:: 07 386 7967: 07 377 2028: 0274 888 236: 07 386 7969

Fax: 07 386 0169

Email: carl@ltcc.org.nz

Building Work

Issued by: Taupo District Council

Description of work: to construct a climbing tower

Specified as 50 years

Code Compliance

The building consent authority named below is satisfied, on reasonable grounds, that:

- (a) The building work complies with the building consent;



Peter Shepherd

Team Leader Building Management

On behalf of: Taupo District Council

Date: 9/09/10

PROPERTY ADDRESS: 100 Raulina Rd CONSENT NO: 090748
 BUILDERS NAME: ~~Project~~ Project Advertisers Ltd Karl Ratahi

(tick) Passed (cross) Failed (dash) | Not Applicable . |
(not applicable to job / not required to be considered for compliance)

SITING / GENERAL

Correct site

Approved building consent documents on site

Conditions of consent (if any) are met

Siting form provided and signed

Excavations, safe slopes, hoarding etc for site safety

FOUNDATIONS

As per the approved plans

Appropriate materials being used

Location, type, sizes, cover, laps etc of reinforcing correct

Steel is clean and tied

Ground bearing checked and adequate

Foundations clean, sides vertical & no water in foundations

Proposed floor level correct

Engineer inspected (if required)

Inspection Notes

Siting form provided

Ratahi notes drilled to depth specified
Ground firm

Additional notes, observations and site instructions: En. Site Program MET with Karl, time
(weather conditions, next inspection, discussions with builder, etc)

OUTCOME OF INSPECTION

Further Inspection Required (cannot continue to next stage) Approved (can continue to next stage)

Reasons for Decision: (e.g. reference material used in making the decision, certificates and/or reports accepted in respect of the inspection)
Approved in accordance with consent May proceed

Inspector: [Signature] Date: 20-7-10

BUILDING ACT 2004.

UNDERTAKING AS TO CORRECT SITING OF BUILDING.

BUILDING CONSENT NO; 14758

Date; _____

This form **must** be completed and be available for collection by the Building Control Officer when the first inspection is carried out or at such other time as agreed. A Code Compliance Certificate will not be issued until such time as this form is received and correctly filled out.

I hereby certify that the building work currently being carried out at _____
_____ (Address of Property) is positioned in accordance with, and is
the same size, as shown on the approved plans for the Building Consent.

Signed by; 

Name; (print); A. H. BERINGER
Builder/owner (Delete that which does no apply.)

MINISTRY of Economic
Development

Māori ōhanga

Companies Office



CERTIFICATE OF INCORPORATION

MICAMP TRUST

2127733

This is to certify that LAKE TAUPO CHRISTIAN CAMP TRUST was incorporated under the Charitable Trusts Act 1957 on the 5th day of May 2008 and changed its name to MICAMP TRUST on the 27th day of May 2013.

Mandy McDonald

Registrar of Incorporated Societies
8th day of August 2013



For further details visit www.societies.govt.nz

Certificate printed 8 Aug 2013 10:52:26 NZT

Consent Evaluation Report

Applicant: MiCamp Trust (Bevin Severinsen & Averil Naumai) **File No.:** 60 37 55A
Address of Site: Raukawa Rd, Waiteteko **Project Code:** RC21660
Consent Type(s): Discharge Permit **Application Number:** APP133567

1 Description of application/proposal

A replacement wastewater discharge consent application has been received from the General Manager of MiCamp, a Christian Youth Camp located at 100 Rawhiria Road, Waitetoko, near Turangi. The subject site was formerly known as the Lake Taupo Christian Youth Camp and is within the Lake Taupo Catchment.

The new consent is sought to replace a previous discharge consent No. 110040 that expired on 31 July 2014. The replacement application proposes a discharge of up to 20 cubic metres of wastewater treated per day, as averaged over any month within a calendar year (i.e. a monthly average figure).

| Reference Id | Activity Description |
|------------------|---|
| AUTH133567.01.01 | To discharge treated domestic effluent to land at the Mi Camp Youth Camp, Waitetoko |

1.1 Application(s) made and activity status under the Plan

The application was received on 07 August 2014 and is registered as WRC DM#3130611. A reply to an RMA section 92(1) further information request (DM#3292679) was also received on 20 February 2015. These two documents make up the bulk of the application, although records that are held on the site file have also been referred when assessing the application.

The application activity is determined by s.15 of the RMA – Discharge of Contaminants into Environment and is termed a 'Discharge Permit' in accordance with s. 87 Types of Consents.

| Reference Id | Activity Status |
|------------------|-----------------|
| AUTH133567.01.01 | Discretionary |

As a discretionary activity, authorisation by consent is required.

1.2 Purpose of application(s)

A Christian youth camp has been operated at 100 Rawhira Road, Waitetoko for many years. At least three previous generation consents have been issued by this council for the treatment and disposal of wastewater on-site. The MiCamp hosts a wide range of groups in a park-like setting and is open throughout the year. The area of the camp property is 3.36 hectares and an additional 2.8 hectares is leased from the Department of Conservation (DoC) for recreation purposes.

The site gently slopes towards Lake Taupo and the entire perimeter of the camp is surrounded by bush giving it a semi-detached setting from the nearby Mission Bay settlement which is

located approximately 600m to the south. The soils under the camp are typical Taupo volcanic materials which are predominantly free draining pumice and sands. The point on site where the treated wastewater enters the ground is approximately 280 from the Lake Taupo foreshore.

Peak occupancy occurs in the months August to April. When the previous consent No.110040 was granted group sizes were reported to average 80 – 120 people. While those occupancy figures are still relevant the higher numbers on site don't occur as often over recent years.

The proposed discharge of up to 20 m³/day averaged over any month in any calendar year has been determined from monitoring of water use and wastewater discharges over recent years. While not a complete data set the figures have been reviewed by David Napier of David Napier and Associates, who is the design engineer of the peat bed filter system in place at the camp. As the wastewater discharge is variable in accordance with camp occupancy numbers, it was considered a monthly average figure is more representative of a consented discharge figure compared to daily maximum figure.

In April 2006 a new 610m² peat bed filter wastewater treatment system was commissioned. The new system transformed the former septic tank based system into an improved package providing secondary treated and nitrogen reduced effluent. The peat bed filter was specifically designed and overseen for the Camp Trust by David Napier. The peat bed filter was proposed by the Camp Trust to support the previous consent application (110040) and to demonstrate that the Camp was doing its part towards meeting the objectives of then Variation 5 – Lake Taupo, being the 2005 changes to the Waikato Regional Plan that introduced nitrogen focused policies and rules for the catchment.

To date the peat bed filter system has consistently met the aspirations of the Camp Trust, the system designer and the consenting authority (WRC). The 40% nitrogen removal from the wastewater that was required in the conditions of the previous consent has also been met. The following performance summary of the PBF (Peat Bed Filter) wastewater system has been provided in support of the replacement application:

Table 1.0 Peat bed filter wastewater treatment system summary of performance 2006 – 2015

| Indicator | Unit | Percentage Reduction (average) | Typical Influent | Typical Effluent |
|---------------------------|-----------|--------------------------------|-------------------------------------|---------------------------------------|
| Total Nitrogen | mg/l | 73.0 % | 120 - 96 | 41 - 18.4 |
| Total Phosphorus | mg/l | 39.3 % | 16.4 - 13.2 | 12.7 - 10.5 |
| Biochemical Oxygen Demand | mg/l | 94.8 % | 230 - 94 | 4 - 2.5 |
| Total Suspended Solids | mg/l | 91.9 % | 260 - 56 | 6 - 5 |
| Faecal Coliform reduction | cfu/100ml | 97.4 % | Log ^b - Log ^a | Log ² - Log ³ - |

At the time that the new system was considered the Camp Trust investigated alternative technologies, and emphasised the predicament of trying to find an acceptable wastewater solution that was affordable. The peat bed filter was tendered as an acceptable medium term solution for the Camp. The figures in Table 1 above are testimony that the system has met all expectations.

Primary treated wastewater is pump dosed over the top of the filter and enters the ground through the base of the filter. This results in a loading rate of approximately 32mm/day as based on the average daily flow applied for and is consistent with accepted industry practice for secondary treated effluent discharged to free draining soils.

Summary

- A discharge permit for up to 20m³/day (averaged over any month in a calendar year) is sought,
- The wastewater treatment and disposal system are consistent with the objectives of the nitrogen reducing policies of the Taupo Catchment,
- The wastewater system to date has exceeded the expectations of the previous consent in terms of nitrogen removal performance.

1.3 Location

The location on site where the treated wastewater is discharged to land is the footprint of the peat bed filter. The map point reference of a pointer placed in the centre of the peat bed filter is:

NZTM 1855019E, 5689466N



1.4 Term sought/rationale

A 10-year consent term is sought on grounds that the effects of the discharge are no more than minor and no person is affected by the discharge activity. The 10-year term is supported and discussed in the conclusion of this report (s. 4).

1.5 Maintenance and Management of the wastewater system

The system has performed better than expected which is testimony to the robustness, simplicity and sound design of the system. The high level of performance over the duration of the next consent may not necessarily be sustained unless some overdue maintenance and improvements in the management of the system occur.

The designer's technical review of the system concluded with some recommendations which are summarised as follows:

1. The peat bed filter requires maintenance (pipe work, bed hoed and additional bark to cover lines),
2. An Operations and Maintenance Manual should be developed,
3. Record keeping of maintenance activities to aid plant operation and troubleshooting,

4. Better and more accurate recording keeping is required.

My review of the application information and observations of record keeping at the camp draws the same conclusion.

1.6 Description of specific works/processes

These details have been entered in section 1.2 above.

1.7 Consultation

No persons or representative agencies have been consulted by the applicant or the Waikato Regional Council. The applicants' position is that the effects of the discharge are very minor and accordingly there are no affected parties. When the previous consent was processed those who were consulted (Ngati Te Rangiita, Department of Conservation and the Fish and Game Council), supported the improvements to the wastewater that transformed a basic primary treatment system to an improved and nitrogen reducing peat bed filter system that produces a high quality secondary treated effluent. The decision not to notify the application was recorded and held on file as document No. 3325022.

2 Process matters

The application was received by Waikato Regional Council on 07 August 2014 and relevant process matters are as follows:

- Following application review and acceptance, a further information request was made.
- The time frame waiver provision of s.37 was applied to enable sufficient time for the information to be procured.
- After the s.92(1) further request was met and a review of all the information supporting the application undertaken, a decision was made not to notify the application. The decision (03/03/15) was made in terms of section 95 A, D, and E on grounds that:
 - The effects of the discharge are no more than minor, and
 - That no person is adversely affected by the discharge as proposed, and continuing.

As the replacement application was made after the expiry date of the previous consent (110040), no right was available to the applicant to be able to continue to exercise that consent in accordance with the provisions of s.124 of the Resource Management Act.

| Date | Process Detail |
|------------|---|
| 07/08/2014 | Lodged |
| 14/08/2014 | Active |
| 14/08/14 | s.92(1) further information request made |
| 23/10/2014 | Extension of timeframe (s.37), 85 days |
| 03/03/15 | Decision not to notify application (#3301236) |

3 Statutory matters

3.1 Identification of relevant matters

| Matter | Relevant (Yes/No) | Comment (if relevant) |
|--------|-------------------|-----------------------|
|--------|-------------------|-----------------------|

| | | |
|---|-----|---|
| Application received before 3/12/2013? (If yes, 2013 amendments do not apply) | No | |
| Bundling | No | |
| Controlled activity | No | Activity is discretionary |
| Restricted discretionary activity | No | [Specify matters over which discretion restricted] |
| S89A (MNZ comment) for Coastal Permits only | N/A | Not a Coastal Permit |
| Permitted baseline effects disregarded? (S104(2)) | Yes | |
| Value of investment/s124 applies (S104(2A)) | No | No s.124 cover |
| S105 | Yes | Relevant to receiving environment |
| S107 | Yes | Relevant to receiving environment |
| Settlement Act or River Act – Vision and Strategy | No | Outside of area captured by Vision and Strategy for Waikato River |
| Hauraki Gulf Marine Park Act 2000 | No | N/A |
| Regulations: - Water Measurement | No | N/A |
| Statutory acknowledgements | No | |
| S104A-F | Yes | s.104B – Discretionary Activity |

3.2 Effects of the activity

| Effect | Description | Conditions to address effect |
|-----------------------|--|---|
| Surface Water Quality | The wastewater system is well separated from closest surface water. The consideration of effects is accordingly one of cumulative impacts on the water quality of Lake Taupo. Nutrients (N and P) are most associated with wastewater discharges. In Lake Taupo nitrogen is associated with the accelerated growth of algae and weedy type plants, a negative impact in terms of ecological balance and human aesthetic acceptance. WRC Polices for the Taupo Catchment limit nitrogen discharges. The application has been assessed | <p>Discharge authorised is only to land.</p> <p>The nitrogen % of the wastewater is reduced.</p> <p>No overland flow is authorised.</p> <p>Effluent loading rates are assigned to ensure overloading of soil is avoided and to facilitate further removal of contaminants by soil processes.</p> <p>Specified separation distances.</p> <p>W/w system to be properly operated and maintained.</p> |

| | | |
|--------------------------------|--|--|
| | accordingly. Phosphorus is not considered an issue in this proposal. It tends to be absorbed and held in the soil. | |
| Groundwater Quality | <p>Potential bacterial contamination of potable water source if disposal area too close to water supply bores, or if ground soakage system loading rate too high (causes a concentrated plume to water table).</p> <p>No bores in close proximity of w/w discharge area and appropriate setbacks are available.</p> <p>Potential nitrogen impact on groundwater.</p> | <p>As per conditions for surface addressing surface water effects</p> <p>Groundwater table reported to be 2.0m, sufficiently deep to avoid bacterial contamination from wastewater discharges.</p> <p>The separation distances are well in excess of those for the most relevant rule 3.10.6.3.</p> <p>The Camp drinking bore is above the peat bed filter and across the opposite site of the camp.</p> <p>Nitrogen potential considered to be very minor given setbacks and N reducing treatment system.</p> |
| Air Quality | Low level potential local effects from wastewater foul odour. | Less than minor. Standard avoidance of odour at property boundary condition applied. |
| Soil Quality | Some contaminants in wastewater can have negative impacts on soil by bio-accumulation. Most of this potential exists in the sludge that is contained in the tanks and not discharged onsite. | Consent only authorises treated wastewater to be discharged on-site. Sludge (bio-solids) to be removed from site for safe disposal elsewhere at an authorised facility. |
| Effects on public health | Potential risk of wastewater contact with people & animals if soakage system suffers overloading or damage. | W/w system to be properly operated and maintained at all times. Factors of safety are considered to be good.. |
| Aesthetic values, perspectives | <p>Wastewater plant can be conspicuous.</p> <p>Inappropriate methods of discharge can be culturally unacceptable.</p> | <p>The WWTP is not intrusive, on isolated area of site.</p> <p>Discharge is to land only.</p> <p>Local Maori supported the PBF design and discharge to land when system originally proposed.</p> |

3.3 Policies and Plans

| Policy instrument | Relevant to application? | Consistent with policy instrument? | Comment (where inconsistent) |
|---|--------------------------|------------------------------------|------------------------------|
| NZCPS | No | | |
| <ul style="list-style-type: none"> • Other NPS • Fresh water • Electricity • Trans'n • Renewable | NPS Freshwater | Yes | |

| | | | |
|---|--|-----|--|
| electricity generation | | | |
| RPS | Yes | Yes | |
| Regional Plan | Yes | Yes | |
| Regional Coastal Plan | N/A | | |
| NES Telecommunications Drinking water sources Air pollutants Electricity transmission Contaminants in soil | NES Drinking Water | Yes | |
| Any other matter considered relevant e.g. Iwi management Plans | Tuwharetoa Iwi Environmental Management Plan | Yes | |

3.4 Part 2 Matters

| Statutory provision | Relevant to application? | Consistent with provision? | Comment (where inconsistent) |
|--|--|----------------------------|------------------------------|
| Section 6 matters a) Natural character b) Outstanding features c) Indigenous d) Public access e) Relationship of Maori f) Historic heritage g) Recognised customary activities | s. 6 (a), (b), (c), (e). | Yes | |
| Section 7 matters a) Kaitiakitanga aa) Stewardship b) Efficient use ba) Efficiency of end use c) Amenity values d) Intrinsic values ecosystems f) Quality of environment g) Finite characteristics h) Trout and salmon i) Climate change j) Renewable energy | s. 7 (a), (aa), (c), (d), (f), (g), (h). | Yes | |
| Section 5 matters | Yes | Yes | |

| | | | |
|----------------------------------|--|--|--|
| (sustainable management purpose) | | | |
|----------------------------------|--|--|--|

4 Conclusions

My assessment of this application has determined that the effects of the discharge are no more than minor and that there are no adversely affected parties. A replacement consent is therefore supported.

The monitoring record of the wastewater treatment system shows that it removes more nitrogen from the wastewater than was initially envisaged when the system was commissioned in 2006. This is an added benefit in terms of demonstrating consistency with the policies and objectives that are in place regarding nitrogen management in the Taupo Catchment. The good nitrogen removing performance of the plant is also testimony to a low nitrogen footprint in terms of actual and potential impacts of the discharge.

In considering a term of consent, I recommend that 10-year duration be applied. While the wastewater treatment and disposal system is robust, it needs to be well maintained and operated at all times if the current level of performance is to be retained. My assessment of the system which included a site visit, review of the application and information on file, as well as correspondence with the applicant and the Camp's technical advisor, has indicated that the wastewater plant, and particularly the peat bed filter is in need of some overdue maintenance. Some of the important monitoring information required by conditions of the previous consent was also well overdue and therefore not initially available to support the application. These shortfalls collectively demonstrate that maintenance and management of the wastewater system needs to improve. For these reasons consent duration beyond 10-years would not be supported.

Regarding the conditions of consent, I consider those that were set for the previous consent (AUTH110040) are good base to start with. The previous conditions were specifically developed for the peat bed filter and gauging the effects of the discharge from it. As the system is unchanged and situation at the camp remains much the same, there is no need to present a new set of conditions. Rather I consider that as much consistency with the former consent should be retained with some contemporary adjustments to reflect the knowledge gained from a decade of observations and monitoring records.

I do recommend that an Operations and Maintenance Manual be developed as it will benefit those who are responsible for operating the plant. The three other recommendations from the system technical review are already accounted for in the re-applied conditions consent.

The last consent required quarterly effluent sampling to gauge the performance of the peat bed filter, which following a period of consecutive test proving events could be halved. As that requirement has largely been met I am satisfied that a 6-monthly effluent sampling regime is sufficient for this new generation consent. For a 20m³/day discharge I consider that a focus on improved record keeping and system maintenance holds more benefits in terms of minimising the effects of the discharge, than does the retention of two sampling events.

5 Recommended Decision

I recommend that in accordance with s. 104B of the Resource Management Act, that resource consent application 133567 be granted in accordance with a term and conditions prescribed in the attached Resource Consent Certificate for the following reasons:

- The activity will have acceptable actual or potential adverse effects on the environment
- The activity is consistent with relevant policies, plans, national standards or regulations;
- The activity is consistent with the purpose of the Resource Management Act 1991.

Brent Fletcher
Resource Officer
Resource Use Directorate



Date: 30-03-2015

I hereby grant the resource consent application in accordance with above recommendations.

Hugh Keane
Team Leader
Resource Use Directorate



Date: 30/03/2015

Acting under authority delegated subject to the provisions of the Resource Management Act 1991 which at the time of decision had not been revoked.

Operation & Maintenance

1. The total volume of wastewater discharged on-site shall not exceed 20 cubic metres per day, as averaged over any single month in any calendar year that this consent is being exercised (i.e. a monthly average figure).
2. A flow meter shall be maintained to record the quantity of wastewater discharged on a cumulative daily basis. The meter shall have a reliable calibration to flow, which shall be maintained to an accuracy of +/- 5%. Access to the meter shall be available to Waikato Regional Council staff at all reasonable times.
3. The wastewater shall not be discharged onto the surface of the peat-bed filter at a rate that exceeds the treatment capacity and the hydraulic capacity of the filter.
4. Within three months of the date of commencement of this consent, the Consent Holder shall develop and retain an Operations and Management Manual for the wastewater treatment and disposal system. The manual shall be prepared by a suitably qualified and experienced person and shall address the following minimum requirements:
 - i. a description of the wastewater treatment and disposal system,
 - ii. a description the routine operational, inspection and maintenance procedures required to ensure optimal performance of the system,
 - iii. the responsibilities of management and operations personal,
 - iv. procedures for monitoring and reporting the performance of the peat bed filter,
 - v. record keeping and reporting routine maintenance and repairs undertaken,
 - vi. reporting of improvements undertaken to the treatment plant and disposal system,
 - vii. a process for review of the operations and management manual,
 - viii. a copy of discharge consent 113567.
5. A copy of the Operations and Management Manual shall be provided to the Waikato Regional Council within three months of the commencement date of this consent. The manual shall be reviewed and updated as necessary to ensure that it is current with the wastewater treatment and disposal system.
6. The wastewater treatment and disposal system shall at all times be operated and maintained to the satisfaction of the Waikato Regional Council.
7. The treatment tanks shall be de-sludged as necessary and in particular within one month of receipt of notice in writing from the Waikato Regional Council to do so. The sludge waste shall be disposed of off-site in an approved wastewater biosolids disposal area.
8. There shall be no overland flow (i.e. leakage) of wastewater from any part of the treatment or disposal system.

Monitoring & Reporting

9. The Consent Holder shall record the discharge of treated wastewater on at least a weekly basis in order to determine the daily flow as averaged over any single month.
10. The Consent Holder shall monitor the performance of the peat-bed filter in order to demonstrate that at least 40 percent reduction of Total Nitrogen is being achieved at all times. Take off points shall be provided to enable samples of the effluent both before and after the peat-bed filter to be gathered. The following parameters shall be analysed:
 - i. Total Nitrogen (TN) gm^{-3}
 - ii. Ammoniacal Nitrogen ($\text{NH}_4 - \text{N}$) gm^{-3}
 - iii. Nitrate-Nitrogen ($\text{NO}_3 - \text{N}$) gm^{-3}
 - iv. Total Phosphorus (TP) gm^{-3}
 - v. Carbonaceous Biochemical Oxygen Demand (cBOD_5) gm^{-3}
 - vi. Suspended Solids (SS) gm^{-3}

v Escherichia Coliform Bacteria (E. Coli) cfu/100ml.

11. The performance monitoring required by condition (10) shall be undertaken at 6-monthly intervals (i.e. twice per year) in January and July each year that the consent is being exercised.
12. All physical-chemical analyses and samples preservation shall be carried out in accordance with the latest edition of "Standard Methods for the Examination of Water and Wastewater" by APHA, AWWA and WPCF, or other method as may be approved in writing by the Waikato Regional Council. All analyses shall be carried out by an IANZ accredited laboratory.
13. The results of the monitoring required by conditions (9) and (10) shall be provided to the Waikato Regional Council at six monthly intervals, by 1st March and 1st September each year that the consent is being exercised, and shall be presented in a form agreed to in writing by the Waikato Regional Council.
14. If requested to do so by the Waikato Regional Council, copies of the monitoring results and reporting required by this consent shall also be made available to local hapu, Ngati Rangiiita, c/- PO Box 87, Turangi 3353.
15. The Consent Holder shall within two-months prior to the fifth anniversary of the commencement date of this consent, and again within six-months prior to the expiry date of this consent provide the Waikato Regional Council with a written report that addresses the following:
 - i. A statement about the performance of the peat-bed filter in terms of consistency of nitrogen reduction it is or is not achieving,
 - ii. A statement about the maintenance carried out,
 - iii. A statement about whether any improvements to the wastewater treatment and disposal system are necessary to maintain the performance of the system overall, and if so shall account for the following:
 - the type of improvement methods considered,
 - the reasons for adopting the method preferred,
 - the likely environmental effects from adopting the method preferred,
 - any local developments or issues that may have significance for the treatment method preferred,
 - a schedule for implementing any improvements that are determined to be necessary for maintaining the required performance of the filter.

Odour

16. The discharge authorised by this consent shall be undertaken in such a manner that it does not produce an objectionable odour at or beyond the out boundary of the property to which this resource consent relates.

Note: Chapter 6.4 of the Waikato Regional Plan provides guidance on the assessment of the effect of odour emissions.

Reviews & Costs

17. The Waikato Regional Council may within two months of the fifth anniversary of the date of commencement of this consent (March 2020), serve notice on the Consent Holder under section 128(1) of the Resource Management Act 1991, of its intention to review the conditions of this resource consent for the following purposes:
 - i. To deal with any adverse effects on the environment which may arise from the exercise of this consent and which it is appropriate to deal with at a later stage,
 - ii. Require the Consent Holder to adopt the best practical option to remove or reduce any adverse effect on the environment,
 - iii. To deal with any other adverse effect on the environment that the exercise of this consent may have an influence,
 - iv. To take into account any changes to Waikato Regional Council Policy or Plans.

Note: The costs associated with any review of the conditions of this resource consent will be recovered from The Consent Holder in accordance with the provisions of section 36 of the Resource Management Act 1991.

18. The Consent Holder shall pay the Waikato Regional Council any administrative charge fixed in accordance with Section 36 of the Resource Management Act 1991, or any charge prescribed in accordance with regulations made under section 360 of the Resource Management Act 1991.

In terms of s116 of the Resource Management Act 1991, this consent commences on 31 March 2015

