

AUCKLAND REGIONAL COUNCIL

RESOURCE CONSENT

Granted Pursuant to the Resource Management Act 1991

DISCHARGE PERMIT NO. 917835

GRANTEE: E.B. & S.P. EVANS (SANDSPIT MOTOR CAMP)

CONDITIONS OF PERMIT:

Date of Expiration of Permit:	31 December 1999
Legal Description of land:	Part Allotment 23, Mahurangi Parish
Territorial Authority:	Rodney District Council
Purpose of Permit:	To allow the disposal to an estuary of domestic wastewaters from a motor camp following their treatment in an aerated treatment plant and ultraviolet sterilization of effluent.
Works:	Existing treatment plant, new u.v. sterilization unit and scoria and pebble filter bed.
Site Location :	Sandspit, Kawau Landing
Map Reference:	NZMS 260 R09 655327
Quantity:	The maximum daily discharge shall not exceed 40 cubic metres.

SPECIAL CONDITIONS OF PERMIT:

1. That an appropriately sized ultraviolet sterilisation unit shall be fitted to the treatment system so that all effluent receives sterilisation prior to its discharge into the environment.
2. That a scoria and pebble bed designed to the specifications of the Huakina Development Trust be installed to receive final effluent from the treatment plant prior to its discharge into the estuary.
3. That the Grantee shall sample the final effluent from the treatment system once every month during the months of December, January and February and once every three months during the remainder of the year, that samples shall not be collected at less than a fourteen day interval and that samples shall be analysed for the following parameters:
 - i) Biochemical Oxygen Demand (gO/m^3)
 - ii) Suspended Solids (g/m^3)
 - iii) Faecal Coliforms (MPN/100 ml or CFU/100 ml)
 - iv) Enterococci (CFU/100 ml)

917835

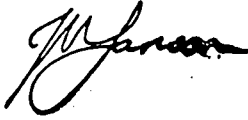
4. That the quality of the final effluent shall be equal to or better than
 - i) Biochemical Oxygen Demand $\leq 20 \text{ (gO/m}^3\text{)}$
 - ii) Suspended Solids $\leq 30 \text{ (g/m}^3\text{)}$
 - iii) Faecal Coliforms $\leq 200 \text{ MPN/100 ml}$
 - iv) Enterococci $\leq 35 \text{ CFU/100 ml}$
5. That the collection and analysis of samples required in special condition 3 shall be carried out in accordance with APHA Standard Methods (17th Edition) or equivalent as approved in writing by the Group Manager, Environmental Management Department.
6. That copies of the results of analysis required in special condition 3 shall be forwarded to the Group Manager, Environmental Management Department as they are received by the Grantee.
7. That the Grantee shall maintain and operate the treatment and disposal system in an efficient and workmanlike manner to ensure that it functions efficiently and that any remedial works which are necessary to bring the system up to an efficient and workmanlike standard shall be carried out by the Grantee within one month of receipt of written notice from the Manager, Environmental Management Department.

STANDARD CONDITIONS OF PERMIT:

1. That this resource consent is granted by the Auckland Regional Council, subject to its servants or agents being permitted access to the relevant parts of the property at all reasonable times for the purpose of carrying out inspections, surveys, investigations, tests, measurements or taking samples.
2. That the Auckland Regional Council may at any time on the giving of not less than 3 months notice in writing serve notice on the consent holder of its intention to review any of the conditions of this consent for any of the following purposes :
 - i. To deal with any adverse effect on the environment which may arise from the exercise of the consent and which it is appropriate to deal with at a later stage; or
 - ii. To require a discharge permit holder to adopt the best practicable option to remove or reduce any adverse effect on the environment; or
 - iii. To deal with any other adverse effect on the environment on which the exercise of the Consent may have an influence.
3. The resource consent holder shall pay to the Auckland Regional Council any administrative charge fixed in accordance with s.36(1) of the Resource Management Act 1991, or any additional charge required pursuant to s.36(6) of the Resource Management Act 1991, payable in respect of this resource consent.

917835

SIGNED AT AUCKLAND FOR AND ON BEHALF OF THE AUCKLAND REGIONAL COUNCIL



.....
K E Connolly
Group Manager
ENVIRONMENTAL MANAGEMENT



ENVIRONMENT AND PLANNING DIVISION

Regional House
21 Pitt Street
Private Bag 68912
Newton
Auckland, New Zealand

FILE

Telephone
0-9-379 4420
Facsimile
0-9-366 2155
DX1047 AKL Central

G82XD13L

File ref: 14/10/Ce/7835

Mr E B John Evans
Sandspit Motor Camp
P O Box 40
WARKWORTH

17 August, 1992

Dear Sir

RE : APPLICATION FOR RESOURCE CONSENT - RESOURCE MANAGEMENT ACT 1991

APPLICATION :

Applicant:	E B John Evans
Application Number:	Ce/7835
Details of Application:	To allow the disposal to an estuary of domestic wastewaters from a motor camp following their treatment in an aerated treatment plan and ultraviolet sterilisation of effluent.
Site Location:	Sandspit, Kawau Landing

DECISION :

- A. It has been resolved that the above Resource Consent application be granted. A copy of the report which gives details of the decision made is enclosed.
- B. Total processing costs amounted to \$900.00 (including GST), as against a fee paid of \$864.00. It was consequently resolved that the applicant be charged the difference between the total costs and the fee paid; an invoice for the outstanding costs will follow shortly.

APPEAL PROCEDURES :

The Council's decision, or any part of the decision, can be appealed under Sections 120 and 121 of the Resource Management Act, as follows:

- The applicant, and any person who made a submission, can appeal the decision to the Planning Tribunal within 15 working days of receiving this letter.
- An appeal must be lodged with the Registrar of the Planning Tribunal, Department of Justice, Tribunals Division, P O Box 10-044, Wellington, together with a filing fee of \$55.00 (including GST), and a copy received by the Auckland Regional Council within the 15 working day period.
- An appeal must be in the form provided by Regulation 10 of the Resource Management (Forms) Regulation 1991 - a copy of this form is available from our office.

- All other parties (i.e. the applicant and any person who made a submission) must be served with a copy of the notice of appeal within 5 working days of the appeal being lodged with the Planning Tribunal.

If you are in any doubt about the appeal procedures you may wish to contact this office, or consult a lawyer, for further information.

If the Council's decision is not appealed the consent will commence after the appeal period, which closes 15 working days from your receipt of this letter.

Note : It is brought to your attention that Section 357 of the Resource Management Act gives you the right to object to the Council in respect of any costs charged in addition to charges fixed by the Council under Section 36 of the Resource Management Act. Any such objection should be made in writing to the General Manager, Environment and Planning Division, setting out the reasons for the objection, within 15 working days of receiving this letter. Your objection will be considered and you will be notified of the outcome. If you are dissatisfied with the decision on your objection, you can appeal to the Planning Tribunal on the matter of costs, under Section 358 of the Resource Management Act.

Unless otherwise stated in the consent, Section 125 of the Resource Management Act provides that, this consent shall lapse two years after the consent commencement date if it is not given effect to within that period. Where the consent is not given effect to within two years of commencement, the consent holder may make an application to the Council for an extension of the consent.

Yours faithfully



John Sanson
CONSENTS CO-ORDINATOR

Encl.

c.c. Rodney District Council
Huakina Development Trust, PO Box 534, PUKEKOHE, Attention: C Kirkwood

FILE

SUBJECT: **APPLICATION Ce/7835 BY EB & SJ EVANS (SANDSPIT MOTOR CAMP) TO
CONTINUE TO DISCHARGE TREATED WASTEWATER TO THE MATAKANA RIVER
ESTUARY**

FROM: Resource Quality Officer,
 Environmental Management

FILE: 14/10/Ce/7835
 E72XATY8

TO: Group Manager
 Environmental Management Department

DATE: 17 July 1992

APPLICATION: (as advertised 27.7.91)

Ce/7835 Sandspit Motor Camp - to continue to discharge up to 40 cmpd of treated
 sewage effluent from a package sewage treatment plant at Sandspit Motor
 Camp into the Matakana River estuary at Map Ref R09 655327 Rodney District
 Council.

SUBMISSIONS: 1

RECOMMENDATIONS: (For application 7835)

That a water permit be granted as detailed below:

DISCHARGE PERMIT NO: 917835

Grantee: EB & SP Evans (for Sandspit Motor Camp)

CONDITIONS OF PERMIT:

Date of Expiration of Permit: 31 December 1999

Legal Description of Land : Part Allotment 23, Mahurangi Parish

Territorial Authority: Rodney District Council

Purpose of Permit: To allow the disposal to an estuary of domestic wastewaters from a motor camp
 following their treatment in an aerated treatment plant and ultraviolet sterilization
 of effluent.

Works: Existing treatment plant, new u.v. sterilization unit and scoria and pebble filter
 bed.

Site Address: Sandspit, Kawau Landing

Map Reference: NZMS 260 R09 655 327

Quantity: The maximum daily discharge shall not exceed 40 cubic metres.

SPECIAL CONDITIONS ON PERMIT

1. That an appropriately sized ultraviolet sterilisation unit shall be fitted to the treatment system so that all effluent receives sterilisation prior to its discharge into the environment.
2. That a scoria and pebble bed designed to the specifications of the Huakina Development Trust be installed to receive final effluent from the treatment plant prior to its discharge into the estuary.

3. That the Grantee shall sample the final effluent from the treatment system once every month during the months of December, January and February and once every three months during the remainder of the year, that samples shall not be collected at less than a fourteen day interval and that samples shall be analysed for the following parameters:
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7. That the Grantee shall maintain and operate the treatment and disposal system in an efficient and workmanlike manner to ensure that it functions efficiently and that any remedial works which are necessary to bring the system up to an efficient and workmanlike standard shall be carried out by the Grantee within one month of receipt of written notice from the Manager, Environmental Management Department.

REPORT

1.0 INTRODUCTION

The applicant has operated the Sandspit Motor Camp for approximately 25 years. The previous discharge permit Ce/2784 expired on 31st December 1989. Due to a clerical error the application for renewal, which was apparently attached to an application for the ground water take permit Ag/896720, was mislaid and had to be resubmitted. Take and discharge applications have therefore been processed independently.

2.0 SITE

The Sandspit Motor Camp is located off Sandspit Road within Sandspit township at a point where the road turns sharply towards the parking, boat launching and wharf facilities on the Spit known as Kawau landing. The camp occupies an area of relatively low lying land sheltered by mature trees and almost surrounded by water. At low tide a sandy beach is exposed to the north east along the base of the Sandspit and a mangrove swamp occupies a tidal inlet to the west of the site.

The Motor Camp comprises a number of permanent dwellings and open camp site areas with appropriate cooking and ablution facilities. Sewage is pumped from an old septic tank

collection system to an activated sludge treatment plant located near the inlet. Final effluent from the plant discharges into the mangrove swamp.

3.0 APPLICANTS PROPOSAL

The applicant proposes to continue to operate the existing sewage collection and treatment system but to add on an ultraviolet sterilisation unit and a pebble filter to ensure that bacterial levels in the final effluent are reduced and that Maori spiritual and cultural considerations are accommodated.

4.0 WASTE FLOW AND TREATMENT AND DISPOSAL

Waste water flows from the camp follow the highly seasonal nature of camp patronage. Peak loads are generated during the six week Christmas period when an estimated 350 people may be resident at the camp. The treatment plant was designed to accommodate wastes from 400+ residents but has a nominal design flow rate of 41 cmpd. The 40 cmpd figure allowed under the expired right has been carried over to this application.

Outside of the peak Christmas period occupancy of the camp falls to low levels apart from occasional busy weekends.

The treatment system is emptied of sludge twice a year. One of the two available sludge aeration tanks linked in series can be isolated and reserved for peak loading periods. Effluent from the large clarifier tank will run through the new U.V. sterilizing unit and pebble filter prior to discharge.

5.0 SUBMISSION RESOLUTION

The Huakina Development Trust objected to the original application for a direct discharge to the estuary requiring that human wastes first go through the land before making contact with waterways. The applicant contacted the Trust and agreed to install a pebble and scoria bed to satisfy their concerns.

The Huakina Development Trust then formally withdrew their objection.

6.0 COMMENT ON THE APPLICATION

The existing treatment system has been operating to a reasonable level of efficiency for the past 25 years. Apart from occasional relatively minor problems with BOD₅ levels ARC compliance monitoring visits have verified that the plant produces the effluent quality expected of an appropriately operating activated sludge treatment plant.

Recently however, the Environmental Management Department has increased its effluent quality requirements for discharges to waterways in recognition of the impacts of bacteriological contaminants. The peak load period for the treatment plant necessarily corresponds to a peak patronage period for the camp which in turn is related to a period of peak recreational use of surrounding waters. The discharge of effluent is into a tidal mangrove swamp but is not far removed from popular bathing areas. The applicant was given the options of either providing evidence that the discharge was not having an unacceptable impact upon bacterial levels in receiving waters or of installing an effluent sterilizing unit that should reduce risk of pathogen discharge to minimal levels. The applicant chose the latter option.

The applicant was able to resolve Maori spiritual and cultural concerns by undertaking to install a pebble filter for the discharge satisfactory to Huakina Development Trust specifications.

The camp does not contain sufficient suitable land that is not used for camping purposes to provide for on site disposal of peak effluent flows.

7.0 CONCLUSIONS

- i) The matters to be considered by a consent authority during processing (RMA section 104) have been addressed as far as is reasonable for renewal of a permit to cover an operation that has been operating effectively for the past 25 years. The additional ultraviolet sterilisation unit should ensure that final effluent will not contain active bacterial or other pathogens which are not treated by the activated sludge process. Maori spiritual and cultural concerns have also been accommodated by the applicants proposal.
- ii) The discharge permit can be granted without undue risk of contamination of receiving waters.

8.0 RECOMMENDATION

That the term of the permit be set to correspond to the relevant catchment expiry date.



Dominic McCarthy
RESOURCE QUALITY OFFICER

TO: GROUP MANAGER, ENVIRONMENTAL MANAGEMENT DEPARTMENT

SUBJECT: APPLICATION FOR RESOURCE CONSENT

APPLICANT: SANDPIT MOTOR CAMPFILE NO.: 14/10/6 7835PERMIT TYPE - WATER/DISCHARGE/COASTAL/RESTRICTED COASTAL ACTIVITY

NOTIFIED



NON-NOTIFIED

Total cost of processing application \$ 900-00Deposit paid 207947 \$ 864-00REFUND / BALANCE TO PAY \$ 36-00

In terms of Council Policy, where the total costs are within \$20 of the deposit paid, no additional charge or refund will be made.

These costs are recommended for approval.

GPKG Boland
Cost Recovery OfficerDate: 3/8/92

It is recommended that this application be GRANTED / DECLINED, as detailed in the attached report and/or consent document.

C. Bland

Section Manager

Date: 5.8.92

1. This APPLICATION is:



GRANTED



DECLINED

2. The CONDITIONS recommended in the report and/or the consent document are:



APPROVED



NOT APPROVED

3. COSTS are:



APPROVED



NOT APPROVED

Chris ShearsGroup Manager
Environmental Management DepartmentDate: 14/8/92

LAST DATE FOR NOTICE OF DECISION TO BE SERVED:

INVOICE NO.:

DATE SENT:

CHEQUE NO.:

DATE SENT: