

SUBJECT: APPLICATION CONSENT No. 24940 FOR CHANGE TO CONSENT No. 927989 BY MANUKAU CITY COUNCIL FOR A RESOURCE CONSENT TO DIVERT AND DISCHARGE STORMWATER WITHIN AND FROM THE ORUARANGI CREEK CATCHMENT INTO THE MANUKAU HARBOUR.

FROM:

Senior Water Resources Engineer  
Management

FILE: C512-10-7989 Environmental

TO:

Acting Manager  
Sediment

DATE: 11 April 2001 Stormwater -

(This report is confidential until it has been considered and is not to be construed as Council policy until adopted).

## 1. ORIGINAL APPLICATION

Applicant: Manukau City Council.

Location: Oruarangi Creek Catchment

Proposal: To divert and discharge stormwater within and from the Oruarangi Creek Catchment into the Manukau Harbour.

## 2. CHANGE

The Manukau City Council (MCC) holds a resource consent that allows MCC to manage stormwater discharges within the Oruarangi Creek Catchment on a comprehensive basis.

This application by MCC is for a change to Resource Consent No. 927989 to amend the location of the discharge point at NZ Map Reference RI 1658674 outside of the pond seawall to a location R11 673677 immediately outside of the inner bund by the pumping station.

This report only addresses the relocation of the discharge point. It does not address the removal of the inner bund, as it is considered premature to process an application for the removal of the inner bund that will generate a string of linked adverse effects, which are better considered together. That activity will be supported by a number of related applications in due course.

## 3. NOTIFICATION

Applications for changes of conditions of consent by the consent holder are 'processed in accordance with section 127 of the Resource Management Act. This section reads:

(1) *The holder of a resource consent may apply to the consent authority for the change or cancellation of any condition of that consent (other than a condition as to the duration of the consent) -*

(a) *At any time specified for that purpose in the consent; or*

(b) *Whether or not the consent allow the holder to do so, at any time on the grounds that a change of circumstances has caused the condition to become inappropriate or unnecessary.*

(3) *Section 88 to 121 shall apply with all necessary modifications, to any application under subsection (1) as if the application were for a resource consent...*

At present, MCC does not exercise that part of the consent being the discharge into the CMA at a nominated location. Currently, the discharge from the catchment is pumped into an oxidation pond, an activity that does not require a consent.

The proposed new location for the discharge point will remain outside the CMA until the outer pond wall is breached. Once the outer wall is breached, the tide will come to meet the location of the pumped discharge.

Pursuant to the provisions of Section 127 of the Resource Management Act, this application was not notified. Written approval has been obtained from the submitter to the original application most interested in this aspect, being the Manukau Marae.

#### 4. REPORT

##### 4.1 Introduction

The existing consent granted to the MCC allows for the discharge of stormwater from within the Oruarangi Creek catchment, with the catchment being managed in accordance with an approved management plan. The location of the discharge point is described by way of a New Zealand Map Grid reference, a position located outside of the Mangere Sewage treatment Plant's ponds.

At present, stormwater from the Oruarangi Creek catchment is pumped into one of the ponds, an activity that does not require a consent as the receiving environment is not natural water. However, it was foreseen at the time of processing the comprehensive application, that the discharge into the treatment plant would become no longer acceptable to Watercare Services Ltd (Watercare), the owners and operators of the oxidation ponds, and that the discharge would eventually need to be diverted around the ponds. The comprehensive consent was therefore granted in terms that allowed for stormwater to be discharged into the CMA at a nominated point outside the pond seawall at some future time.

Since granting that consent, Watercare has obtained a number of consents for the treatment plant upgrade. The opening up of the Oruarangi Creek to the CMA was excluded from that process by Watercare.

Once the seawalls are removed from the ponds, the CMA will be re-established close to its original position except at the mouth of the Oruarangi Creek where the inner bund across the Oruarangi Creek will be retained in the short term. Stormwater from

the creek will continue to be pumped over the bund, no longer into a treatment pond but into the CMA.

MCC has applied for a change to the existing consent to reflect this alteration to the location of the discharge point in order to authorise the discharge by the inner bund once the sea returns to that area.

#### 4.2 Replacement of Various Conditions

The existing consent ties the discharge to a nominated NZ Map Grid reference point, within 100m accuracy. It allows for the construction of a new channel or the use of an existing supply channel with a new discharge into the CMA to convey water from the pump to the new location.

Those references need to be amended to recognise a discharge to a new location, and reflect that the use of a supply or a new channel is not required.

#### 4.4 Conclusion

The change relates to the location of the discharge point of pumped stormwater. This is similar in principle to the discharge granted to MCC for the Creamery drain, a consent that authorised a discharge of stormwater, formerly into a pond, into the CMA, once the CMA is able to reach the discharge point.

### 5. RECOIVIMENDATION

It is recommended that a change to the resource consent be granted:

by deleting :

Map Reference: NZMS 260 R11 658674 - at outfall to the Manukau Harbour  
and replacing it with:

Map Reference: NZMS 260 RI 1 673677 - at outfall at the end of the pumped discharge.

By deleting under Works Item land Item 2(c)  
and by deleting Special Conditions 10 & 11

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Senior Water Resources Engineer

AUCKLAND REGIONAL COUNCIL

RESOURCE CONSENT

Granted Pursuant to the Resource Management Act 1991

CONSENT NO. 24940

CONSENT HOLDER: Manukau City Council.  
FILE REFERENCE: 7989  
CONDITIONS OF CONSENT:  
Date of Expiration of Permit: 31 December 2027  
Legal description of land: not applicable  
Territorial Authority: Manukau City Council  
Purpose of Consent: To set policies and conditions relating to the future management of stormwater discharges and diversions within the Oruarangi Catchment.

Works:

1. (a) Increase the pump rate to 2.5 cubic metres per second
- (b) Duplicate the Oruarangi Road culvert
- 2 Install a gravity conduit from the crater to the main channel
- 3 Carry out channel upgrading works from Montgomerie Road to the upper reaches of the old tidal estuary.

Site Address: Oruarangi catchment  
Map Reference: NZMS 260 R11 673677 - at outfall at the end of the pumped discharge.

Quantity: The maximum rate of discharge in a design storm of estimated 1 in 100 Annual Exceedance Probability shall be 35 cubic metres per second.

b. That the consent be subject to the Environmental Management Department's standard conditions and the following special conditions:

1. That the estimated water level for the 1 % AEP event for the level of development shall not exceed RL 2.75 at the urupa at any time.

2. That, as the catchment is developed, works shall be carried out in the catchment according to the list shown above at "Works" at such a rate that the estimated level of flooding for the 1% AEP event at the urupa; modelled at that stage of development , shall be no higher than RL 2.75 m.
3. That the management of stormwater in the catchment shall be carried out in accordance with the objectives and policies as set out in the comprehensive management plan document for the application; except that where there is a discrepancy between a policy and a condition on this consent, the condition applies.
4. That all future developments within the Oruarangi Catchment shall be required to treat stormwater. Stormwater quality treatment facilities shall be developed at the time of initial subdivision, and all properties which are practicably able, shall contribute stormwater to a communal facility. These facilities shall be designed in accordance with Environmental Management Department policies, Technical Publication No 4 "Selection of Stormwater Treatment Volumes for Auckland", and Technical Publication No 10 "Design Guideline Manual, Stormwater Treatment Devices".
5. That the final design for all stormwater quality control facilities to be developed in the catchment be submitted to the Group Manager, Environmental Management Department for approval prior to construction
6. In recognition of the grantee's suggestion that engineering drawings for water treatment facilities be submitted for acceptance to the Huakina Development Trust acting for the tangata whenua, when the final design of any facility is submitted for approval in accordance with condition 5 the grantee shall advise the Group Manager, EMD, of any concerns that the tangata whenua may have had about the proposed facility and what consideration has been given to these concerns
7. Any proposal for a stormwater quality treatment facility shall include an assessment of effects in accordance with the Fourth Schedule of the Resource Management Act.
8. Checking of all culverts and bridges shall be carried out by MCC to ensure that they are free from debris and obstructions as soon as practicable after receipt of a heavy rainfall forecast from the Group Manager, Environmental Management Department and at least once annually.
9. A report shall be forwarded to the Group Manager, Environmental Management Department annually which shall include the following information for the preceding year:
  - (i) development which has been permitted;
  - (ii) development which-has proceeded;
  - (iii) channel upgrading works which have been carried out;
  - (iv) the expected 1 % AEP event level and flow at the urupa and the bund for the level of development, using rainfall and runoff coefficients used in the application;
  - (v) details of stormwater quality treatment facilities approved;

- (vi) the results of monitoring of the channel through the mud flats;
- (vii) daily rainfall records;
- (viii) Oruarangi Creek water levels immediately upstream of the pump station;
- (ix) pump hours;
- (x) runoff from the data loggers on the pumping installation.