

23 July 2012

Formosa Auckland Country Club Ltd (In Liquidation)  
PO Box 204276  
Highbrook  
Auckland 2161

**FILE COPY**

**Attention: Grant Hally**

Dear Sir

**RESOURCE CONSENT – ADVICE OF DECISION**

**Application Details:**

File Ref: 6612/10791, 10509

|                     |                                                                                                   |
|---------------------|---------------------------------------------------------------------------------------------------|
| Application Number: | 40351, 40352, 40353                                                                               |
| Applicant:          | Formosa Auckland Country Club Ltd (In Liquidation)                                                |
| Proposed Activity:  | Groundwater Take, Surface Water Take, Dam                                                         |
| Address:            | 110 A Jack Lachlan Drive Beachlands Manukau City & 110 Jack Lachlan Drive Beachlands Manukau City |

Following an assessment of your resource consent application under the Resource Management Act 1991 (RMA) and with reference to the relevant Auckland Council Regional Plan a decision has been made to approve your application.

For your reference a hard copy of the decision is attached, following on from the electronic version that was emailed to you Friday July 20<sup>th</sup> 2012. It outlines the basis for the decision and any associated conditions.

If you disagree with the decision, or parts of it, you can lodge an objection with us or file an appeal with the Environment Court within 15 working days of receiving this decision.

Objections should be addressed to the Principal Planner Hearings and Resolutions – Natural Resources, Auckland Council, at 35 Graham Street, Auckland. Information on "The Objection Process" can be found on our website [www.aucklandcouncil.govt.nz](http://www.aucklandcouncil.govt.nz) (select "Building, Property and Consents", "Resource Consent" then "The process from application to decision" and finally "Objections to Council").

Information on the appeal process can be found on the Environment Court website [www.justice.govt.nz/court/environment-court](http://www.justice.govt.nz/court/environment-court).

A final invoice will be sent shortly. No work is allowed to commence until all outstanding fees have been paid.

If you have any queries, please contact Nick Hazard on 352 2640, or [nick.hazard@aucklandcouncil.govt.nz](mailto:nick.hazard@aucklandcouncil.govt.nz), and quote the application number above.

Yours sincerely



**Malu Fink**  
**Consents and Compliance Administrator**  
**Natural Resources & Specialist Input Unit**

## NOTIFICATION DETERMINATION AND RESOURCE CONSENT DECISION REPORT FOR A DISCRETIONARY ACTIVITY UNDER THE RESOURCE MANAGEMENT ACT 1991

|          |                                                                                                                                                                                                                                                                                                                                              |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Subject: | Application 40351 by Formosa Auckland Country Club Ltd for replacement consent to take and use groundwater from a Whitford-Beachlands, Waitemata aquifer bore for potable water use in golf course clubhouse facilities, accommodation chalets and irrigation of 7 ha of golf course greens and tees at 110A Jack Lachlan Drive, Beachlands. |
| To:      | Greg Murphy, Team Leader Water Allocation, Natural Resources and Specialist Input                                                                                                                                                                                                                                                            |
| From:    | Nick Hazard, Senior Consents and Compliance Adviser<br>Victoria Stuart, Business Analyst                                                                                                                                                                                                                                                     |
| Date:    | 5 June 2012                                                                                                                                                                                                                                                                                                                                  |

### 1.0 APPLICATION DESCRIPTION

Applicant Name: Formosa Auckland Country Club Ltd (in liquidation)

Consent Application Number: 40351

File Number: 6612

Activity: Groundwater take

Site Address/Location: 110A Jack Lachlan Drive, Beachlands

### 2.0 PROPOSAL, SITE AND LOCALITY DESCRIPTION

#### 2.1 Reason for application

Consent is required under the provisions of the Auckland Council Regional Plan: Air, Land and Water, Rule 6.5.45. The application is a discretionary activity because the proposed take exceeds 100 m<sup>3</sup>/day and 15,000 m<sup>3</sup>/year.

#### 2.2 Proposal and site description

Formosa Auckland Country Club Ltd (in liquidation) applied on 25 May 2012 for a replacement permit no. 40351 to take and use up to 300 m<sup>3</sup>/day and 42,000 m<sup>3</sup>/year of

groundwater from an existing Whitford-Beachlands Waitemata aquifer bore for potable water use in club house, sports complex, hotel villas and irrigation of 7 ha of golf course greens, and tees.

| Usage          | Daily m <sup>3</sup> /day | Annual m <sup>3</sup> /year |
|----------------|---------------------------|-----------------------------|
| Potable supply | 80                        | 22,000                      |
| Irrigation     | 220                       | 20,000                      |
| <b>Total</b>   | <b>300</b>                | <b>42,000</b>               |

This application is for the same quantities and use as the previous permit no. 15994 which Formosa Auckland Country Club was granted on 1 October 1998 and which expired on 31 May 2012. The site is located at 110A Jack Lachlan Drive, Beachlands and is shown in the map below.



The applicant provides a description of the site and receiving environment in the application report, section 2. In brief, the subject site is utilised as a 18 hole golf course and is confined within the southern 170ha of the site. The development involves a club house (320m<sup>2</sup>), car parking for 150 vehicles, four tennis courts, golf fairways and greens, a driving range, a practice green, maintenance depot, two rest stations/toilet blocks on the golf course and 25 accommodation chalets.

## 2.3 Background and site history

Auckland Regional Council granted four consents for this site between 1996 – 1998 relating to the damming and taking of water. These consents expire on 31 May 2012 and include:

| Expired Consent | Application | File Reference | Purpose                                      |
|-----------------|-------------|----------------|----------------------------------------------|
| 15994           | 40351       | AG976612       | Take from a bore                             |
| 37779           | 40350       | KR9510507      | To dam an unnamed tributary                  |
| 14046           | 40353       | KR9510509      | To dam and discharge two unnamed tributaries |
| 14734           | 40352       | AK9510791      | To take water from a dam                     |

The history of the granting of these permits is described in detail in previous officers reports on the applications for consent to dam held in their respective files.

Water is taken (Permit 15994) from the an existing 150mm diameter bore (ID. 20758), 107meter deep and cased to 91m into the Beachlands Waitemata Sandstone aquifer. It has a static water level of 28.36m below top of the casing (8.6 m above msl). This bore is located 100m south of Jack Lachlan Drive. The extraction from the bore will allow for both potable use and irrigation of golf course greens and tees during periods when insufficient water is available from the southern dam. The applicant has installed a Grundfos SP27-11 15 HP pump with a maximum pumping capacity of 27m<sup>3</sup>/hour. The applicant currently meters both the potable and irrigation water use separately.

Formosa Auckland Country Club applied on 25 May 2012 for a replacement consent 40352 to take up to 1800m<sup>3</sup>/day and 200,000m<sup>3</sup>/year from a dam on an unnamed tributary (no. 084280) of Waikopua Creek for irrigation of 30 ha of golf Course tees, greens, fairways and landscapes areas. Renewals of the of the dam permit (No. 37779 and 14046) have been applied for, Application No's 40353 and 40350 respectively.

## 3.0 NOTIFICATION ASSESSMENT

### 3.1 Assessment of Effects on the Environment: Section 95A(2)(a)

The applicant identifies and assesses the actual and potential adverse effects of the proposed activity on the environment that are likely to arise and any mitigating factors in section 7.3 and 9 of the applicants AEE Report.

## Assessment of Permitted Baseline

The relevant permitted baseline is ACRP: ALW, Rule 6.5.45. "The taking and use of no more than 20m<sup>3</sup>/day, when averaged over any consecutive five day period, and no more than 5000m<sup>3</sup>/year of fresh groundwater (not geothermal) is a Permitted Activity." The permitted baseline is much less than the quantities that the applicant is seeking or is likely to be granted in this application. There would be minimal assistance gained by comparing the effects of the relevant permitted activity to this proposal.

## Water Quantities

The expired consent allowed the applicant to take up to a total of 300 m<sup>3</sup>/day and 42,000 m<sup>3</sup>/year. This allocation was split 80 m<sup>3</sup>/day and 22,000 m<sup>3</sup>/year for potable water supply and 220 m<sup>3</sup>/day and 20,000 m<sup>3</sup>/year for use in irrigation of 7 ha of golf course.

Previous water use records during the past 10 years show that the applicant never exceeded the annual and daily allocation. The bore however provides a backup irrigation supply should a very dry summer occur and supply from the dams is insufficient to provide the water volume required for irrigation. Take from the dams allows for the abstraction of 1800m<sup>3</sup>/day and 200,000m<sup>3</sup>/year.

*Summary of annual use records held by the AC for Formosa Auckland Country Club Ltd*

| Year Ending | Annual Use (m <sup>3</sup> ) | Year Ending | Annual Use            |
|-------------|------------------------------|-------------|-----------------------|
| 2002        | 15,101                       | 2007        | 12,195 m <sup>3</sup> |
| 2003        | 6,752                        | 2008        | 18,464 m <sup>3</sup> |
| 2004        | 12,975                       | 2009        | 11,246 m <sup>3</sup> |
| 2005        | 14,998                       | 2010        | 16,131 m <sup>3</sup> |
| 2006        | 21,177                       | 2011        | 14,264 m <sup>3</sup> |

The guideline water requirements for irrigation of golf course tees and greens is up to 30,000m<sup>3</sup>/year. The total irrigation quantities of 300m<sup>3</sup>/day and 42,000 m<sup>3</sup>/year, previously granted and now reapplied for are reasonable.

## Effects on water availability

The bore was tested as part of the original application by Carryer & Associates (4 April 1995). The results of this testing indicated that the bore was capable of yielding approximately 912m<sup>3</sup>/day which is well in excess of the 300m<sup>3</sup>/day requested (pumping test report on file 6612, part 2).

The applicant proposes to continue to take water from the bore at the same quantity applied for under Permit 15994. The applicant's bore is located in the Beachlands Waitemata basal aquifer, a sub-zone of the Whitford Beachlands Waitemata aquifer. Beachlands aquifer groundwater availability has been assessed using a flow net methodology based on recently acquired groundwater levels and transmissivity measurements from four separate pumping tests on four bores sourcing groundwater from the Basal Waitemata aquifer. The estimated groundwater through flow or recharge is 1800m<sup>3</sup>/day towards the Beachlands village and 900m<sup>3</sup>/day towards the west. On an annual basis this is a total recharge of 986,000m<sup>3</sup>/year (Details in Resource Consent 37080 Hearing Report: Pine Harbour Holdings Limited, File ref 7635).

As detailed in the Pine Harbour consent report, an allowance of 20% of the recharge has been made for the prevention of saline intrusion, leaving 788,800m<sup>3</sup>/year available for allocation. Recharge to surface water and springs is considered to be derived from shallow Waitemata aquifer recharge and is not derived from the deeper basal aquifer.

It is considered, after taking into account the existing lawful users and issued granted consents in the aquifer, that there is sufficient groundwater available to renew the existing consent for 300m<sup>3</sup>/day and 42,000m<sup>3</sup>/year.

#### **Effects on water quality**

An assessment of the risk of saline intrusion resulting from the pumping of the bore should be considered when assessing the effect on water quality. The bore was assessed in October 1997 in terms of saline intrusion. The results were inconclusive as stated in the officer's report (Permit No. 15994). In this case, Special Condition 1 was placed on the consent to enable review of the permit should there be any indication of increased salinity in the bore water. This has been assessed through annual sampling and monitoring which is a requirement of condition 6 of Permit 15994.

The applicant proposes to continue to take water from the bore in accordance with the conditions imposed under permit 15994. In this case, with continued monitoring as a requirement of consent (condition 12), it is considered that the continued take from the bore will not result in adverse effects on water quality.

It was concluded by the applicant's consultant that saline intrusion is a very remote possibility even under the most extreme pumping conditions. It is considered that there is sufficient surplus groundwater availability to grant the consent and to ensure the maintenance of groundwater availability for other users.

As the life supporting capacity of the aquifer will be safeguarded and base flow to springs and streams will be maintained, no adverse effects on surface water are anticipated. Adverse effects on the environment will therefore be no more than minor.

## **Monitoring**

To avoid adverse water level effects on the aquifer, it is important not to over-pump bores, or exceed consented allocations. The applicant will be required by a condition of the consent to maintain a water meter located on the outlet of the pump. No certificate verifying meter accuracy was provided to Council with the application. It is recommended that evidence of verification of accuracy must be submitted within 10 working days of 30 June 2013 (by end of the coming irrigation season). This meter must also be verified as accurate (be calibrated) and this submitted to Council at least every five years in future. The meter must be tested by a suitably qualified person to determine if the accuracy is within the plus or minus 5% required by the proposed consent conditions. If not then the meter must be replaced or repaired. This is in accordance with the Resource Management (Measurement and Reporting of Water Takes) Regulations 2010. The applicant is required to read the water meter weekly and submit the readings to Council at quarterly intervals when exercising the consent.

Taking into consideration the annual allocation and the distance of the bore from the coast, the applicant is required to monitor the water chemistry to ensure no adverse effects develop over time. The previous consent required annual monitoring of chloride levels however it would appear that this has not been carried out. Monitoring of chloride and related measurements of sodium and conductivity will be required as conditions of consent. Monitoring conditions may be reviewed at five yearly intervals depending on the water analysis reports.

### **3.2 Request or Rule: Sections 95A to 95E**

Pursuant to Sections 95A(2)(b), (c), and 95A(3)(a), the applicant has not requested public notification and no National Environmental Standard or rule in the Regional Plan requires or precludes public or limited notification.

Pursuant to Section 95A(4) there are no special circumstances to warrant public notification.

### **3.3 Identification of affected parties: Section 95E**

The applicant's site is located in the western side of Beachlands and the nearest take consent is that of Pine Harbour Marina Ltd (consent 37080) to take and use 600 cubic metres per day and 131,000 cubic metres of groundwater per year from the basal Waitemata aquifer to service a new development on the site consisting of up to 550 residential units, commercial development, a marina effluent pump out facility, and public toilets; and to continue to supply an existing marina facility. This consent is not currently exercised as it is subject to granting of a plan change. The Pine Harbour Marina bore is 800 metres away and the effects are likely to be less than 1.0 metre. It is therefore not considered to be adversely affected by the ongoing abstraction from the applicants bore.

Pursuant to section 95E it is determined that no persons are considered adversely affected by the activity because the only other known consent holder within the catchment is Pine

Harbour Marina. The quantities allocated for both consent holders are 42,000m<sup>3</sup>/year (Formosa Country Club) and 131,000m<sup>3</sup>/year (Pine Harbour Marina).

It is therefore anticipated that the continued take from the bore as per the quantities originally consented would have no more than minor adverse effects on the ground water resource.

| Bore ID | Owner                   | Aquifer                        | Distance from Bore (m) | Depth (m) | Casing (m) | Elevation (m asl) | SWL (m asl) |
|---------|-------------------------|--------------------------------|------------------------|-----------|------------|-------------------|-------------|
| 20758   | Formosa                 | Whitford, Beachlands Waitemata | -                      | 107       | 91         | 37                | 28.36       |
| 23094   | Pine Harbour Marina Ltd | Whitford, Beachlands Waitemata | 790                    | 179       | 90         | 20                | 11.57       |

Ngati Tamaoho iwi authority requested copies of the surface water applications that are associated with this consent. Ngati Tamaoho is aware of this application and has not requested a copy of the application.

For the original consents, the applicant was required by ARC to consult with the following parties interested in or affected by the proposal: Pine Harbour Marina Ltd, Department of Conservation, Royal Forest and Bird Protection Society of NZ inc, Manukau City Council, and Tangata Whenua (Huakina Development Trust, Ngati Paoa Whanau Trust, Ngai Tai Ki Tamaki Tribal Trust and Umupuia Narae of Ngati Tai). Written consent was obtained by these parties when applying for Permits 37779 and 14046 (northern dam and the dams forming ponds on the golf course).

As this plays an integral part of the irrigation system it is considered that groundwater take is part of that irrigation system and the application is a renewal, then no further consultation is required.

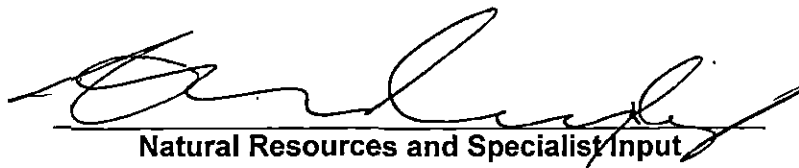
#### **Recommendation on notification**

It is recommended that this application be processed on a non-notified basis because:

- The adverse effects on the environment of the activity for which consent is sought will be no more than minor
- There are no persons considered adversely affected by the granting of this consent.
- No special circumstances or affected customary rights holders exist in relation to the application.

### 3.4 Notification determination

Acting under delegated authority, and for the reasons set out in the above assessment and recommendation, this application shall be processed on a non-notified basis.

  
 Natural Resources and Specialist Input  
 Resource Consents

20/7/12  
 Date

## 4.0 ASSESSMENT OF APPLICATION

### 4.1 Assessment of effects on the environment: Section 104(1)(a)

The assessment of adverse effects undertaken for the purpose of notification concluded that adverse effects were less than minor. It is considered that assessment is also relevant for the purpose of the assessment required under s104(1)(a). In addition the following positive environmental effects have been identified:

- Provides local employment
- Provides a recreational amenity for golfers

I consider that any actual or potential adverse effects of the proposed activity on the environment will be no more than minor, subject to adherence with the recommended conditions of consent. AC proposes to grant the requested daily and annual groundwater volumes from the Beachlands basal Waitemata aquifer.

### 4.2 Statutory Plan, Policy, Statement considerations: Section 104(1)(b)

The applicant has undertaken an assessment of the proposed activity against the relevant provisions of the:

- National Environmental Standard
- National Policy Statement(s): *Freshwater Management 2011, New Zealand Coastal Policy Statement 2010; Hauraki Gulf Marine Park Act 2000*
- Auckland Council Regional Policy Statement
- Auckland Council Regional Plan (Air, Land & Water)

The applicant's assessment is provided on pages 18-19 of their application report. It is considered that the applicant's assessment adequately addresses all relevant statutory provisions and that there are no additional provisions relevant to the proposal.

The applicant's conclusions on the consistency of their application to the identified objectives and policies in the ACRP: ALW are:

- Consideration has been given to the availability of the water resource when proposing to take water. The applicant proposes to take water at the daily and annual take rate specified within each permit. These rates were developed and considered acceptable when compared to the annual yield of the water resource.
- Frequent testing of the bore is provided by way of consent condition to ensure that *water quality is maintained and that possibility of saline intrusion is monitored.*

It is concluded that the proposed activity is consistent with the relevant provisions of the plans and policy statements, subject to compliance with the recommended conditions of consent.

#### **4.3 Other relevant matters: Section 104(1)(c)**

There are no other matters considered relevant and reasonably necessary to determine the application.

#### **4.4 Consideration of Part 2 matters**

It is considered the proposal meets the purpose and principles of the RMA and is a sustainable use, development and protection of natural and physical resources, in a way, or at a rate, which enables people and communities to provide for their social, economic, and cultural wellbeing and their health and safety while -

- a) sustaining the potential of natural and physical resources (excluding minerals) to meet the reasonably foreseeable needs of future generations; and
- b) safeguarding the life-supporting capacity of air, water, soil, and ecosystems; and
- c) avoiding, remedying, or mitigating any adverse effects of activities on the environment.

*The relationship of Maori and their culture and traditions with their ancestral lands, water, sites, waahi tapu, and other taonga* has been considered as a matter of national importance under section 6. The applicant initiated the consultation process with local Iwi prior to lodging an application for Permit 14734 (Take surface water from a dam). Written consent was obtained from the parties and a record of consultation was provided to council. Given that there are no changes proposed to the water take or the dams that are currently in place, no further consultation is considered necessary.

Council is required under section 8 to take into account the principles of the Treaty of Waitangi. It is considered that there are no matters relating to the Treaty of Waitangi relevant to the renewal of the existing consent applications.

Accordingly, it is concluded that the proposal to continue to dam two unnamed tributaries and to take from a bore and dam is consistent with the purpose of the RMA in relation to managing the use, development, and protection of natural and physical resources.

Having considered the matters of national importance, other matters, and the requirement to take into account the principles of the Treaty of Waitangi, it is concluded that the proposal will not adversely affect any of those matters.

#### **4.5 Lapsing of Consent**

Section 125 of the RMA provides that if a resource consent is not given effect to within five years of the date of commencement (or any other time specified) it automatically lapses unless the consent authority has granted an extension. In this case, it is considered five years is an appropriate period for the consent holder to implement the consent due to the nature and scale of the proposal.

#### **4.6 Duration of consent: (Section 123)**

It is considered appropriate to set a term of 15 years. The consents will expire on 31 May 2027, with provision to review the conditions in June 2015, and at five yearly intervals thereafter. *This recommendation is made in accordance with policy 6.4.13 of the ACRP: ALW* which provides for the setting of concurrent duration and review dates of consents within a catchment or aquifer. The 2015 review will allow any information from monitoring to be acted upon as required. The review condition allows the AC to take into account a range of information, including water availability, alternative water sources, actual and potential water use, groundwater levels, and groundwater quality in determining whether or not the conditions of consent should be changed.

#### **4.7 Conclusion**

This application is for a groundwater take from bore abstracting from the Beachland Waitemata aquifer. This is not in the "High Use Management Area" in terms of the ACRP: ALW. No other users of groundwater will be adversely affected by the continuation of this take proposal. This proposal is considered to be consistent with all the applicable objectives, policies and rules of the ACRP: ALW and the purpose and principles of the RMA.

## **5.0 RECOMMENDATION AND CONDITIONS**

### **5.1 Adequacy of information**

The above assessment is based on the information submitted as part of the application. It is considered that the information submitted is sufficiently comprehensive to enable the consideration of the above matters on an informed basis:

- a) The level of information provides a reasonable understanding of the nature and scope of the proposed activity as it relates to the relevant regional plan.
- b) The extent and scale of any adverse effects on the environment are able to be assessed.
- c) Persons who may be adversely affected are able to be identified.

### **5.2 Recommendation**

It is recommended that pursuant to Sections 104, 104B, and 108 of the RMA, consent is granted to the discretionary activity application by Formosa Auckland Country Club to take and use groundwater from an existing bore for potable water use in golf course clubhouse facilities, accommodation chalets and irrigation of 7 ha of golf course greens and tees at 110A Jack Lachlan Drive, Beachlands being consent application 40351.

The reasons for this decision are as follows:

1. The proposal will be consistent with Part 2 of the Resource Management Act 1991 by promoting the sustainable management of natural and physical resources. Overall it is considered that the cumulative safeguards of section 5(2)(a) to (c) have been met and the proposal thereby meets the purpose of the RMA.
2. The proposal is considered to be consistent with the relevant provisions of the NES, Regulations, NPS, NZCPS, HGMPA, WRHHA, ACRPS, ACRP:ALW, ARPC, TRP in particular the integrated management of the Region's natural and physical resources.
3. It is considered that the overall adverse effects on the environment are no more than minor. Subject to the imposition of conditions, the effects can be further avoided, remedied or mitigated.
4. The application merits the granting of a resource consent pursuant to sections 104, 104A and 108 of the Resource Management Act 1991.

### **5.3 Conditions**

Pursuant to Section 108 of the RMA, this consent shall be subject to the following conditions:

1. This consent shall expire on 31 May 2027 unless it has lapsed, been surrendered or been cancelled at an earlier date pursuant to the Resource Management Act 1991.
2. That the take and use shall be in accordance with the plans and information submitted with the application and numbered 40351 by the Council, subject to such amendments as may be required by the following conditions of this consent.

- Legal Description of land on Lot 1 and 2 DP 420017  
which water is used:
- Legal Description of land from Lot 2 DP 420017  
which water is taken:
- Map Reference of Take Point: NZTM 1777853mE 5914738mN

#### **Authorised Quantities**

- The daily abstraction shall not exceed 300 cubic metres
  - The annual abstraction over the 12 month period commencing 1 June of any year and ending 31 May of the following year shall not exceed 42,000 cubic meters
3. That the servants or agents of the Council shall be 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.

#### **Bore Construction Conditions:**

4. Within three months of commencement of this consent, provision at the top of the bore for water level measurements shall be made and be maintained so that a probe can be lowered vertically into the bore between the riser pipe and casing to measure the static water level in the bore. Access to the wellhead for water level measurement can be achieved by having an access hole of at least 2 centimetres in diameter at the top of the bore. In order to keep out foreign matter, the hole should be fitted with an easily removed plug. (see Note 1).
5. Within three months of commencement of this consent, provision at the top of the bore for water quality sampling shall be made and be maintained so that a sample of water can be taken from the bore for water quality analysis. This is to be achieved by fitting a tap or hand valve as close to the pump outlet as possible and before the water enters any storage tank or filter. It should have approximately 0.3 metre clearance above ground level or other obstruction to allow a sample bottle to be filled. (see Note 2)

#### **Monitoring and reporting conditions:**

6. A meter, which shall measure the total quantity of water being taken, shall be installed on the outlet of the pump. The water meter must be capable of measuring to an accuracy of at least plus or minus 5% and it is to display to at least 1 cubic metre. The meter must be fit for the purpose and water it is measuring, and be tamper-proof and sealed. The meter is to be installed to the manufacturer's specifications and to the satisfaction of the Manager.

7. The meter shall be maintained in accordance with the requirements of condition 7 and in working condition at all times.
8. Evidence (a certificate of confirmation) that the meter required in accordance with condition 7 above has been verified as accurate, by a person who is suitably qualified, shall be submitted in writing to the Manager by no later than 10 working days after 31 August 2012.
9. Evidence that the meter maintained in accordance with condition 7 above has been verified as accurate, by a person who is suitably qualified, shall be submitted in writing to the Manager by no later than 10 working days after 30 June 2017 and subsequently at intervals of not more than five years thereafter.
10. The meter required in accordance with Condition 7 shall be read at weekly intervals and records kept of each date and corresponding water meter reading. The records for the preceding quarter shall be submitted to the Manager by no later than 10 working days after 28 February, 31 May, 31 August and 30 November each year.
11. A water quality sample shall be taken directly from the production bore with no pre treatment or storage. The sample shall be taken annually during the month of March, analysed, and the results recorded and forwarded to the Manager. The collection of the water sample, the parameters analysed and their analysis method shall be in accordance with the details outlined in Note 3 for the first sample, collected in March 2013 and in accordance with Note 4 for subsequent samples. These results shall be submitted to the Manager within 10 working days of 31 March each year.

#### **REVIEW CONDITION:**

12. The conditions of this consent may be reviewed by the Manager pursuant to Section 128 of the Resource Management Act 1991, by the giving of notice pursuant to Section 129 of the Act, in June 2017 and subsequently at intervals of not less than five years thereafter in order:
  - (a) To vary the quantities, monitoring and reporting requirements and performance standards in order to take account of information, including the results of previous monitoring and changed environmental knowledge, on:
    - (i) water use efficiency
    - (ii) water availability, including alternative water sources;
    - (iii) actual and potential water use;
    - (iv) groundwater flow and level regimes; and groundwater quality;
    - (v) the relationship of Maori with water
  - (b) To avoid, remedy or mitigate any adverse effect on the environment arising or potentially arising from the exercise of this consent.

**NOTES:**

1. Adequate provision must be made at the wellhead so that a probe can be lowered vertically into the bore between the riser tube and casing to measure the static water level in the bore. This can be achieved by having an access hole of at least 2 centimetres in diameter at the top of the bore. In order to keep out foreign matter, the hole should be fitted with an easily removed plug. The probe hole shall be maintained to the specific dimensions and in working order at all times.
2. Adequate provision must be made at the wellhead so that a sample of water can be taken from the bore for water quality analysis. This can be achieved by fitting a tap or hand valve as close to the pump outlet as possible and before the water enters any storage tank or filter, and it should have approximately 0.3 metre clearance above ground level or other obstruction to allow a sample bottle to be filled. Provision for sampling shall be maintained to the specific dimensions and in working order at all times.
3. Samples shall be collected and analysed in accordance with APHA "Standard Methods for the Examination of Water and Wastewater" (latest Edition) or the equivalent as approved in writing by the Manager. Analysis will be for the following parameters:
  - Temperature
  - pH
  - Potassium (K)
  - Chloride (Cl)
  - Silica (SiO<sub>2</sub>)
  - Sulphate (SO<sub>4</sub>)
  - Total Alkalinity (CaCO<sub>3</sub>)
  - Calcium Hardness (CaCO<sub>3</sub>)
  - Magnesium Hardness (CaCO<sub>3</sub>)
  - and any other parameters required to obtain an ion balance for the sample of between 95 and 105%

The bore being sampled shall be purged by pumping for sufficient time to allow the volume of water contained in the bore to be completely replaced three times by water from the surrounding rock. Record shall be kept of the length of time and approximate rate of pumping required to purge the bore.

4. Samples shall be collected and analysed in accordance with APHA "Standard Methods for the Examination of Water and Wastewater" (latest Edition) or the equivalent as approved in writing by the Manager. Analysis will be for the following parameters:
  - a Conductivity at 25°C
  - b Chloride (Cl)

c Sulphate (SO<sub>4</sub>)

The bore being sampled shall be purged by pumping for sufficient time to allow the volume of water contained in the bore to be completely replaced three times by water from the surrounding rock. The sample should be collected towards the end of a days pumping, during the peak of maximum seasonal pumping. Records shall be kept of the length of time and approximate rate of pumping required to purge the bore.

#### 5.4 Advice Notes

1. Any administrative charge fixed in accordance with Section 36(1) of the Resource Management Act 1991 and any additional charge required pursuant to Section 36(3) of the Act in respect of this consent shall be paid to Auckland Council
2. This resource consent will lapse five years after the date of Council's decision unless:
  - a. It is given effect to before the end of that period. To give effect to this consent, the activity allowed by this consent must be established and the conditions contained in the consent complied with. Please note that there must be compliance with all of the consent conditions once the land use has been established, or
  - b. An application is made and granted prior to the expiry of that period for a time extension. The statutory considerations that apply to extensions are set out in Section 125 of the RMA.
3. Pursuant to Section 126 of the Resource Management Act 1991, which provides for Auckland Council to cancel a resource consent by written notice, if this resource consent has been exercised, but is not subsequently exercised for a continuous period of five years, the consent may be cancelled by the Council unless other criteria contained within Section 126 are met.
4. The consent holder shall obtain all other necessary consents and permits, including those under the Building Act 2004, and the Historic Places Trust Act 1993. This consent does not remove the need to comply with all other applicable Acts (including the Property Law Act 2007), regulations, relevant Bylaws, and rules of law. This consent does not constitute building consent approval. Please check whether a building consent is required under the Building Act 2004. Please note that the approval of this resource consent, including consent conditions specified above, may affect a previously issued building consent for the same project, in which case a new building consent may be required. If not all resource consents have been applied for, it remains the responsibility of the consent holder to obtain any and all necessary resource consents required under the relevant requirements of the Resource Management Act 1991.

5. If you disagree with any of the above conditions, or disagree with the additional charges relating to the processing of the application you have a right of objection pursuant to Sections 357A or 357B of the RMA. Any objection must be made in writing to Council within 15 working days of notification of the decision.
6. Compliance with the consent conditions will be monitored by Council in accordance with Section 35(d) of the Resource Management Act. This will typically include site visits to verify compliance (or non compliance) and documentation (site notes and photographs) of the activity established under the Resource Consent. In order to recover actual and reasonable costs, inspections, in excess of those covered by the base fee paid, shall be charged at the relevant hourly rate applicable at the time.

|                                               |
|-----------------------------------------------|
| <b>6.0 DECISION UNDER DELEGATED AUTHORITY</b> |
|-----------------------------------------------|

**6.1 Report recommended by:**

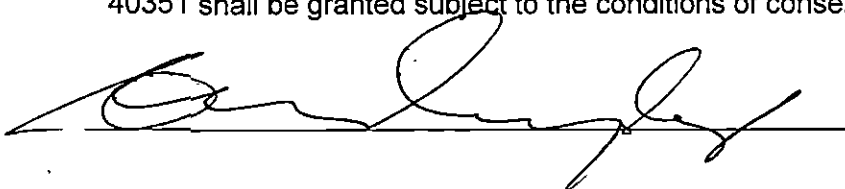

N. Hazard

20/7/2012

Date

**Natural Resources and Specialist Input  
Resource Consents**

Acting under delegated authority and as recommended in Section 5.2 consent number 40351 shall be granted subject to the conditions of consent specified in Section 5.3.



20/7/12

Date

**Natural Resources and Specialist Input  
Resource Consents**

## **7.0 DEFINITIONS**

|                      |                                                                                                                                                        |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| ACRPS:               | means Auckland Council Regional Policy Statement                                                                                                       |
| Council:             | means The Auckland Council                                                                                                                             |
| HGMPA:               | means Hauraki Gulf Marine Park Act 2000                                                                                                                |
| LGAAA:               | means Local Government Amendment Act 2004                                                                                                              |
| NES                  | means National Environmental Standard                                                                                                                  |
| NPS                  | means National Policy Statement                                                                                                                        |
| NZCPS:               | means New Zealand Coastal Policy Statement 2010                                                                                                        |
| <i>Regional Plan</i> | <i>Auckland Council Regional Plan (Coastal)</i><br><br><i>Auckland Council Regional Plan (Air, Land and Water) (operative in part)</i>                 |
| RMA:                 | means Resource Management Act 1991 and all amendments                                                                                                  |
| Team Leader:         | means an Auckland Council Team Leader as specified in text / condition or nominated Auckland Council staff acting on the relevant Team Leader's behalf |