

## WATER PERMIT

Pursuant to Section 104B of the Resource Management Act 1991, the Otago Regional Council grants consent to:

Name: [~~Jacks Point Limited~~] *Transferred 18 October 2006*

Address: [~~c/- Anderson Lloyd Caudwell, level 9 Otago House, Corner Princes Street and Moray Place, Dunedin~~]

Name: *Jacks Point Land Limited (1/2 Share)*

Address: *c/- Anderson Lloyd Caudwell, 17 Marine Parade, Queenstown*

Name: *Coneburn Water Supply Co Limited (1/2 Share)*

Address: *c/- Anderson Lloyd Caudwell, 17 Marine Parade, Queenstown*

To take and use water as primary allocation from the Lake Wakatipu

For the purpose of community water supply and irrigation of a golf course and open space

For a term expiring 24<sup>th</sup> May 2035

Location of activity: Homestead Bay, Lake Wakatipu, approximately 7.3 kilometres south of Kawarau Falls Bridge, Queenstown

Legal description of land adjacent to point of abstraction: Lot 2 DP 300502 and Lot 4 DP 26261

Map reference: NZMS 260: F41:742-601

Conditions:

1. The rate of abstraction shall not exceed 225 litres per second

***Domestic and Domestic Irrigation***

2. The rate of abstraction shall not exceed
  - (a) 43,785 cubic metres per week;
  - (b) 158,546 cubic metres per month;
  - (c) 1,331,064 cubic metres between 1 September in a year and 31 August in the following year
3. The consent holder shall take all practicable steps to ensure that:
  - (a) the volume of water used for irrigation does not exceed soil field capacity of the irrigated areas;

- (b) the irrigation does not cause surface runoff that would discharge into natural waterbodies;
  - (c) there is no leakage from pipes and structures;
  - (d) the use of water is confined to residential and lodge area of the development;
  - (e) irrigation induced soil erosion and soil pugging does not occur;
  - (f) soil quality is not degraded as a consequence of irrigation; and
  - (g) loss of water, nutrients, and agrichemicals by percolation to groundwater is minimised.
4. (a) The consent holder shall install a water meter to record the water take, within an error accuracy range of +/- 2% over the meter's nominal flow range, and a datalogger with at least 12 months data storage to record the rate and volume of take, and the date and time this water was taken. (All practicable steps shall be taken to ensure that the meter's nominal flow range coincides with required pumping rate(s). An error accuracy of +/- 5% shall apply to meters when pumping rates are below the nominal flow range.)
- (b) The installation and maintenance of the water meter and datalogger shall be performed in accordance with manufacturer's specifications.
  - (c) The water meter shall be attached on the pipeline at the first available position so it can record all the water for the domestic use and domestic irrigation.
  - (d) The consent holder shall ensure the full operation of the water meter and datalogger at all times during the exercise of this consent. All malfunctions of the water meter and/or datalogger during the exercise of this consent shall be reported to the Consent Authority within 6 hours of observation and appropriate repairs shall be performed within 48 hours or otherwise as soon as is practicable following the observation of malfunction.
  - (e) The installation of the water meter and datalogger shall be completed to full and accurate operation prior to the exercise of the consent. The consent holder shall forward a copy of the installation certificate to the Consent Authority within one month of installing the water meter and datalogger.
  - (f) The water meter and datalogger must be serviced by a suitably qualified operator annually. Receipts of service shall be made available to the Consent Authority on request.
  - (g) The consent holder shall provide records from the datalogger to the Consent Authority by 1 December and 1 May each year or at any other time on request. Data shall be available electronically giving date, time and flow rates in no more than 15 minute increments, expressed in comma separated value format (.csv file type).

*Note: the water meter and datalogger should be safely accessible by the Consent Authority and its contractors at all times.*

### ***Golf Course Irrigation***

5. The rate of abstraction shall not exceed
  - (a) 16,588 cubic metres per week;
  - (b) 66,352 cubic metres per month;
  - (c) 371,260 cubic metres between 1 September in a year and 31 August in the following year
  
6. The consent holder shall take all practicable steps to ensure that:
  - (a) the volume of water used for irrigation does not exceed soil field capacity of the irrigated areas;
  - (b) the irrigation does not cause surface runoff that would discharge into natural waterbodies;
  - (c) there is no leakage from pipes and structures;
  - (d) the use of water is confined to the golf course area which includes tees, fairways, greens and rough;
  - (e) irrigation induced soil erosion and soil pugging does not occur;
  - (f) soil quality is not degraded as a consequence of irrigation; and
  - (g) loss of water, nutrients, and agrichemicals by percolation to groundwater is minimised.
  
7.
  - (a) The consent holder shall install a water meter to record the water take, within an error accuracy range of +/- 2% over the meter's nominal flow range, and a datalogger with at least 12 months data storage to record the rate and volume of take, and the date and time this water was taken. (All practicable steps shall be taken to ensure that the meter's nominal flow range coincides with required pumping rate(s). An error accuracy of +/- 5% shall apply to meters when pumping rates are below the nominal flow range.)
  - (b) The installation and maintenance of the water meter and datalogger shall be performed in accordance with manufacturer's specifications.
  - (c) The water meter shall be attached on the pipe line at the first available position from the pump outlet from the irrigation storage pond so it can record all the water that is being used in the golf course irrigation system.
  - (d) The consent holder shall ensure the full operation of the water meter and datalogger at all times during the exercise of this consent. All malfunctions of the water meter and/or datalogger during the exercise of this consent shall be reported to the Consent Authority within 6 hours of observation and appropriate repairs shall be performed within 48 hours or otherwise as soon as is practicable following the observation of malfunction.
  - (e) The installation of the water meter and datalogger shall be completed to full and accurate operation prior to the exercise of the consent. The consent holder shall forward a copy of the installation certificate to the Consent Authority within one month of installing the water meter and datalogger.

- (f) The water meter and datalogger must be serviced by a suitably qualified operator annually. Receipts of service shall be made available to the Consent Authority on request.
- (g) The consent holder shall provide records from the datalogger to the Consent Authority by 1 December and 1 May each year or at any other time on request. Data shall be available electronically giving date, time and flow rates in no more than 15 minute increments, expressed in comma separated value format (.csv file type).

*Note: the water meter and datalogger should be safely accessible by the Consent Authority and its contractors at all times.*

***Open Space Irrigation***

- 8. The rate of abstraction shall not exceed
  - (a) 16,660 cubic metres per week;
  - (b) 66,640 cubic metres per month;
  - (c) 397,886 cubic metres between 1 September in a year and 31 August in the following year

The above quantities shall be calculated by taking the meter reading at the lake water pump station (being the total irrigation water take) and subtracting the meter readings at the golf course meter.

- 9. Prior to exercising this part of the consent the consent holder shall provide to the Council a plan showing all of the open space and those areas which are to be irrigated. In conjunction with the plan, information is to be provided detailing the amount of water to be used. The information shall show the amount of water required is no more than that required for the proposed use having regard to the local conditions.
- 10. The consent holder shall take all practicable steps to ensure that:
  - (a) the volume of water used for irrigation does not exceed soil field capacity of the irrigated areas;
  - (b) the irrigation does not cause surface runoff that would discharge into natural waterbodies;
  - (c) there is no leakage from pipes and structures;
  - (d) the use of water is confined to open space areas as defined in the plan to be submitted under condition 8 ;
  - (e) irrigation induced soil erosion and soil pugging does not occur;
  - (f) soil quality is not degraded as a consequence of irrigation; and
  - (g) loss of water, nutrients, and agrichemicals by percolation to groundwater is minimised.
- 11. (a) The consent holder shall install a water meter to record the water take, within an error accuracy range of +/- 2% over the meter's nominal flow range, and a datalogger with at least 12 months data storage to record the rate and volume of take, and the date and time this water was taken. (All practicable steps shall be taken to ensure that the meter's nominal flow

range coincides with required pumping rate(s). An error accuracy of +/- 5% shall apply to meters when pumping rates are below the nominal flow range.)

- (b) The installation and maintenance of the water meter and datalogger shall be performed in accordance with manufacturer's specifications.
- (c) The water meter shall be attached on the pipe line at the first available position from the pump outlet so it can record all the water that is being used for the golf course and open space irrigation systems.
- (d) The consent holder shall ensure the full operation of the water meter and datalogger at all times during the exercise of this consent. All malfunctions of the water meter and/or datalogger during the exercise of this consent shall be reported to the Consent Authority within 6 hours of observation and appropriate repairs shall be performed within 48 hours or otherwise as soon as is practicable following the observation of malfunction.
- (e) The installation of the water meter and datalogger shall be completed to full and accurate operation prior to the exercise of the consent. The consent holder shall forward a copy of the installation certificate to the Consent Authority within one month of installing the water meter and datalogger.
- (f) The water meter and datalogger must be serviced by a suitably qualified operator annually. Receipts of service shall be made available to the Consent Authority on request.
- (g) The consent holder shall provide records from the datalogger to the Consent Authority by 1 December and 1 May each year or at any other time on request. Data shall be available electronically giving date, time and flow rates in no more than 15 minute increments, expressed in comma separated value format (.csv file type).

Note: the water meter and datalogger should be safely accessible by the Consent Authority and its contractors at all times.

### ***Other Conditions***

- 12. The total rate of abstraction shall not exceed
  - (a) 77,033 cubic metres per week;
  - (b) 291,538 cubic metres per month;
  - (c) 2,100,210 cubic metres between 1 September in a year and 31 August in the following year
- 13. The intake shall be screened so as to prevent the ingress of small fish and elvers.
- 14. The Consent Authority may, in accordance with Sections 128 and 129 of the Resource Management Act 1991, serve notice on the consent holder of its intention to review the conditions of this consent for the purpose of imposing the minimum flow restriction, if and when an operative regional plan sets a minimum flow on the consent.

15. The Consent Authority may, in accordance with Sections 128 and 129 of the Resource Management Act 1991, serve notice on the consent holder of its intention to review the conditions of this consent within 3 months of 5<sup>th</sup> anniversary of the commencement of this consent for the purpose of:
  - (a) adjusting the consented rate or volume of water under conditions 1,2,5,8 and 12, should monitoring under conditions 4,7 and 11 or future changes in water use indicate that the consented rate or volume is not able to be fully utilised; or
  - (b) determining whether the conditions of this consent are adequate 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
  - (c) ensuring the conditions of this consent are consistent with any National Environmental Standards; or
  - (d) adjusting or altering the method of water take data recording and transmission; or
  - (e) ensuring the water meter and datalogger installed and operated under condition 4, 7 and 11 are consistent with any “Code of Practice” for Water Metering developed by the Consent Authority.
16. The consent holder shall promote the efficient use of water to all new subscribers to the scheme on application, and to all existing subscribers at least once every two years through appropriate media or communication methods.
17. The consent holder shall promote the efficient use of water during the construction stages of the development.

Issued at Dunedin this 15<sup>th</sup> day of June 2005.

Reissued this 13<sup>th</sup> day of December 2005 as a result of a decision of the Consents Committee on an objection to conditions under S357 of the Act.

Reissued this 25<sup>th</sup> day of October 2006 to reflect a transfer of holders.

Re-issued this day of 26<sup>th</sup> July 2007 to correct the consent numbering in Condition 5(e).

*Reissued this 30<sup>th</sup> day of July 2007 to correct condition 15 (e).*



Christopher P Shaw

**Manager Consents**

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