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04 April 2013

Our ref: 51/29811/Draft
consent conditions to
submitters

M Gunson
102 Chappell Road
Auckland 2016

Dear Sir

Draft resource consent conditions - Port Otago Ltd disposal of dredging application to renew resource consent (RM 11.153)

The Otago Regional Council (ORC) has requested the applicant Port Otago Ltd to provide a copy of the draft resource consent conditions directly to submitters in advance of the ORC Officers Recommending Report being made available. Please find these attached, being sent on behalf of Port Otago Ltd.

The ORC hearing panel will also have the draft resource consent conditions provided to them at the hearing.

During the development of the draft resource consent conditions, key aspects and outcomes of the pre-hearing meeting, and initial feedback from ORC officers have been incorporated.

Regards,
GHD Ltd

Sabrina Young
Environmental Planner
04 495 5821

Draft resource consent conditions for the Port Otago Ltd disposal of dredging application to renew resource consent (Application No. RM 11.153)

4 April 2013

Name: Port Otago Limited

Address: 15 Beach Street, Port Chalmers, Dunedin

Purpose: A coastal permit for the discharge into the Pacific Ocean of up to a maximum of 450,000m³ per year of dredging spoil

Term: Three (3) years from the date of commencement in accordance with s.116 of the Resource Management Act 1991

Disposal Sites:

(i) Heyward Point, being an area of approximately 38.2 hectares.

45° 45.07'S 170° 42.09'E

45° 44.95'S 170° 42.27'E

45° 44.44'S 170° 41.78'E

45° 44.63'S 170° 41.60'E

(ii) Aramoana Spit, being an area of approximately 28.3 hectares.

45° 45.18'S 170° 42.74'E

45° 46.05'S 170° 42.93'E

45° 45.72'S 170° 42.47'E

45° 46.04'S 170° 42.33'E

(iii) Shelly Beach, being an area of approximately 14.5 hectares.

45° 46.82'S 170° 42.56'E

45° 46.65'S 170° 42.79'E

45° 46.75'S 170° 42.96'E

45° 46.95'S 170° 42.77'E

CONDITIONS:

General

1. The following specific maximum annual discharge quantities shall apply:

(i) No more than 50,000m³ shall be disposed of on an annual basis at Shelly Beach.

(ii) No more than 400,000m³ of material shall be deposited on an annual basis across the Heyward Point and Aramoana Spit sites provided that there is no more than 50,000m³ disposed of at Aramoana Spit on an annual basis, unless a greater volume is required to study the effects on the Aramoana surf break (as required by condition 11) or to maintain surf quality.

Note – this clause reflects an agreement made by Port Otago with local surfers on disposal volumes.

- (iii) Any volume of material in excess of 200,000m³ annually deposited at the Heyward Point site, shall be deposited within water greater than 18 metres below chart datum.
2. Material discharged at the Shelly Beach renourishment area shall not be derived from any further westward of Longitude 170° 39' 50" (being in the vicinity of beacons 15 & 16A between Pulling Point and Tayler Point), and, as far as practicable, be only discharged on an ebb tide.
3. Material discharged shall only be derived from dredging that is authorised by the Coastal Plan or by a resource consent, sourced from the Otago Harbour and entrance.
4. Rock material shall not be disposed of at the Aramoana Spit or Shelly Beach disposal sites.
5. Except for rock material as specified in Condition 4 of this consent, material discharged from dredging activities undertaken in accordance with Consents 2010.193 and 2010.194 shall contain a minimum of 90% sand, on an annual basis.
6. During the exercise of this consent, the consent holder shall take all practicable precautions to protect public safety at all times.
7. The consent holder shall ensure that no fuel or oils, enter into the coastal marine area as a result of these works. This shall include the maintenance of machinery at all times to prevent leakage of fuel or oil into the coastal marine area. In the event of contamination, the consent holder shall instigate remedial action and shall notify the consent authority as soon as practicable.

Monitoring

DISPOSAL RECORDS

8. The consent holder shall record the following information in relation to the disposal of material at each of the three disposal sites.
 - (a) the volume of dredge material in each disposal event; and
 - (b) the GPS location (WGS84 format) of the event; and
 - (c) the date and time of disposal; and
 - (d) a cumulative total of the volumes of disposal from the commencement of the consent.

The records shall be kept and submitted in report format to the consent authority on an annual basis, no later than the anniversary of the date of this permit.

BATHYMETRY

9. At minimum, the consent holder shall undertake annual bathymetric surveys of the seabed at each of the disposal site locations. All bathymetric surveys shall have an accuracy of 0.25 metres vertically.

The consent holder shall submit an annual report to the Consent Authority no later than the anniversary of the date of this permit that summarises the results of all

bathymetric surveys undertaken in accordance with this consent and shall clearly indicate the degree of change to the seabed in the surveyed areas.

BIOLOGICAL

10. Within 3 months of the commencement of this consent, the consent holder shall commission a biological study, by a suitably qualified person or organisation, which considers the findings of the biological monitoring work undertaken as a condition of the former maintenance disposal consent (2000.472) and provides recommendations as to suitable biological monitoring indicator species that could be adopted for the long term adaptive management of disposal activities at the Heyward Point and Aramoana Spit disposal sites.

The biological study required by this condition shall also provide recommendations for a long term ecological monitoring programme. The long term ecological monitoring programme must identify management measures that can be adopted for managing the effects of disposal activities on species diversity, community composition and species abundance.

SURF, CURRENT AND SEDIMENT TRANSPORT

11. Within 3 months of the commencement of this consent, the consent holder shall commission a wave, hydrodynamic and sediment dynamics study, by a suitably qualified person or organisation. The study will involve numerical modelling and empirical analysis of the coastal and sediment dynamics, including the transport pathways, for the coastal region between Tairaroa Head and the Karitane Peninsula.

This purpose of the study will be to identify the optimum location and extent of disposal grounds for the long term deposition of the harbour maintenance dredging volumes. The study will consider the equilibrium sediment supply requirements for the beaches west of the harbour entrance and the effects of disposal on surfing wave corridors and wave quality at regional surf breaks of national significance identified in NZCPS (2010). The study shall include at a minimum:

- (a) Hydrographic survey of the existing disposal grounds and inshore to Aramoana Beach at 6 monthly intervals (i.e. winter and summer);
 - (b) A program of wave and current measurement for the purpose of calibration and validation of numerical coastal process models;
 - (c) Establishment of numerical models of the wave, hydrodynamic, tidal and sediment transport;
 - (d) Remote photographic monitoring of the Aramoana surf break and the establishment of a web site to allow surfers to record their personal observations of surf quality; and
 - (e) Beach profile analysis and the completion of long-term shoreline change analysis from aerial photographs.
12. Within 3 months of the completion of the studies required by Conditions 10-11 of this consent the consent holder shall commission a report, by a suitably qualified person or organisation, that integrates the results of the monitoring required by Conditions 9-11 of this consent and provides a long term sediment budget for each of the disposal sites together with a detailed methodology for adaptive

management of the sediment, wave and biological effects associated with potential long term disposal activities. This report shall be completed and submitted to the consent authority no later than 6 months prior to the expiry of this permit.

Working Party

13. The consent holder shall continue to work with the formal Working Party established as a condition of the former maintenance disposal consent (2000.472) which includes representatives of Te Runanga Otakou, Kati Huirapa Runanga ki Puketeraki, Department of Conservation and Otago Regional Council. The consent holder shall invite a representative of the local surfing community to join this established Working Party also. The Working Party shall meet at least 6 monthly to discuss and review the annual monitoring report and other reports required by this permit.

Annual Monitoring Report

14. The consent holder shall provide a report to the consent authority every twelve months and no later than the anniversary of the date of this permit. This report shall include but not be limited to the following:
- (i) Results of monitoring and reporting completed in the previous 12 months,
 - (ii) Outcomes of the working group meetings over the previous 12 months,
 - (iii) The monitoring work programme for the next 12 months,
 - (iv) Recommendations on any mitigation required for any adverse effects that have arisen over the previous 12 months that are attributable to disposal activities.

Adaptive Management

15. The consent holder shall provide an annual work plan to the Consent Authority which shall incorporate any mitigation recommendations provided in the most recent Annual Monitoring Report required by condition 14. The work plan shall be provided within 1 month of submitting the Annual Monitoring Report.

Review

16. 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 three months of each anniversary of the commencement of this consent, and on receipt of any reports received under Conditions 8-12 for the purpose of:
- (a) ensuring that the monitoring regime is appropriate; 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; including but not limited to:
 - i. the effects of the exercise of this consent on the ecology and water quality of the near shore and offshore areas; or
 - ii. the effects of the exercise of this consent on surf breaks of national significance identified in the NZCPS (2010); or

- iii. the appropriate mitigation of the environmental effects of the activity having regard to the available deposition technology; or
- iv. ensuring the conditions of this consent are consistent with any National Environmental Standards.

Advice Note

The consent holder shall ensure that any contractors engaged to undertake work authorised by this consent abide by the conditions of this consent. A copy of this consent should be present on site at all times while the work is being undertaken.

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