



**environment
SOUTHLAND**

**Application No: N015-001
Consent No:203376**

Cnr North Road and Price Street
(Private Bag 90116)
Invercargill

Telephone (03) 211 5115
Fax No. (03) 211 5252
Southland Freephone No. 0800 76 88 45

Discharge Permit

Pursuant to **Section 104B** of the Resource Management Act 1991, a resource consent is hereby granted by the Southland Regional Council (the "Council") to **New Zealand Aluminium Smelter Ltd** (the "consent holder") of **Private Bag 90110, Invercargill** from **6 June 2006**.

Please read this Consent carefully, and ensure that any staff or contractors carrying out activities under this Consent on your behalf are aware of all the conditions of the Consent.

Details of Permit

Purpose for which permit is granted:	To discharge treated sewage to land	
Location	- site locality - map reference - receiving environment	Tiwai Point E47:572-916 Land
Legal description of land at the site:	Lot 1 DP 13988 Blk XIII Campbelltown HD	
Expiry date:	6 June 2031	

Schedule of Conditions

1. This consent is granted for a period of 25 years.
(Note: Pursuant to Sections 123 and 124 of the Resource Management Act 1991, a new consent may be required at the expiration of this consent. The application will be considered in accordance with the plans in effect at that time, and the adverse effects of the proposed activity).
2. A representative sample
 - (a) of a discharge
 - (i) means a composite sample of equal volumes of the discharge taken at intervals during a 24 hour period, or
 - (ii) a sample taken continuously from the discharge during a 24 hour period.

Environment Southland is the brand name of
the Southland Regional Council

- (b) of the groundwater means a sample collected from a bore after at least five bore volumes have been removed or water stability is indicated by monitoring of any of the temperature, pH or conductivity.
3. The discharge shall not exceed 295 m³/day.
 4. The limits applying to a representative sample of the discharge are:
 - (a) the five day carbonaceous biochemical oxygen demand shall not exceed 18 kg/day;
 - (b) the total suspended solids shall not exceed 8 kg/day.
 5. The discharge and groundwater shall be monitored by the consent holder or its agent in accordance with the conditions of this consent. The locations are:
 - (a) one for collecting a representative sample of the discharge at the well draining the channel of the clarigester;
 - (b) one for monitoring the volume of the discharge prior to discharge at the land discharge area;
 - (c) one location for monitoring the groundwater at or about the boundary of the Comalco freehold land south west (down gradient) of the land discharge area; and
 - (d) one location for monitoring the groundwater at least 100 metres north east (up gradient) of the land discharge area.

The exact locations shall be established, from time to time, by agreement between the Council's Director of Environmental Management and the consent holder.

6. The monitoring of the discharge at the location established in condition 5(a) shall be by collecting a representative sample each month and analysing for:
 - (a) five day carbonaceous biochemical oxygen demand concentration; and
 - (b) total suspended solids concentration.
7. The volume discharged shall be monitored during each 24 hour period at the location established in condition 5(b).
8. The monitoring of the groundwater at the locations established in conditions 5(c) and 5(d) shall be by:
 - (a) collecting one representative sample from each location, at about every six months, and analysing each representative sample for:
 - faecal coliform most probable number
 - total phosphorous concentration
 - total ammoniacal nitrogen concentration
 - nitrate nitrogen concentration
 - total nitrogen concentration
 - pH
 - conductivity

- (b) collecting one representative sample from each location, at about two yearly intervals, and analysing each representative sample for the concentration of chlorinated aliphatic hydrocarbon species.
9. The sample preservation and analyses for the monitoring conducted under this consent shall be those specified in the most recent edition of APHA "Standard Methods for the Examination of Water and Wastewater" or by methods approved by the Council's Director of Environmental Management.
10. The results of monitoring carried out in accordance with the conditions of this consent shall be supplied to the Council no later than 20 working days from the end of each calendar quarter.
11. Except where the Council acts as the consent holder's agent, the Council may audit the consent holder's monitoring conducted in accordance with the conditions of this consent. The details of the auditing shall be approved by the Council's Director of Environmental Management in consultation with the consent holder. The annual auditing may include up to:
- (a) three of the representative samples of the discharge; and
(b) two of the representative samples of the groundwater.
- The costs of the auditing are to be met by the consent holder.
12. The methods for the disposal of sludges from the sewage treatment plant shall have the required authorisation.
13. The consent holder shall notify, without due delay, the Council's Director of Environmental Management and the Medical Officer of Health (or local Health Protection Officer) in the event of any unauthorised discharge of raw, partially treated or treated sewage from any part of the sewage reticulation system.
14. The Council may, in accordance with conditions of this consent, and in accordance with Sections 128 and 129 of the Act, serve notice at three yearly intervals from the commencement of this consent of its intention to review the conditions of this consent for the purpose of dealing with any adverse effects on the environment which were not anticipated when this consent was granted.
15. The consent holder shall pay the Council the following user charges which are fixed under Section 36 of the Act:
- (a) an administration charge; and
(b) a compliance monitoring charge.

The user charges are payable, on invoice, on the first day of July each year.

for the **Southland Regional Council**

W J Tuckey

Director of Environmental Management