

## STORMWATER DISCHARGES (OPERATIONAL)

### General

XA Conditions XB to XJ apply to all operational stormwater discharges from Northport from Practical Completion of the reclamation.

**Advice Note:** *It is intended that the consent holder will surrender the existing resource consent for the current stormwater collection, treatment, and disposal system (CON20090505532 issued on 13 April 2010) concurrently with the commencement of the application of conditions XB to XJ in accordance with condition **Error! Reference source not found.** This will consolidate the stormwater resource consents and conditions applying to the expanded Northport, meaning that a single consent and single set of conditions will apply to all Northport operational stormwater.*

XB Operational stormwater must be treated and discharged either:

- (a) Via connection to the existing canal and pond-based stormwater system discharging to the CMA at co-ordinate location 1733997E 6033711N; and/or
- (b) Via alternative proprietary stormwater treatment systems/devices prior to discharge to the CMA, subject to prior certification by Council that they are capable of meeting the compliance parameters in these consent conditions.

### Stormwater Monitoring and Maintenance Plan (SMMP)

XC Within three (3) months of practical completion the consent holder must submit for Certification a Stormwater Monitoring and Maintenance Plan (SMMP) for the operational stormwater treatment system and all of its components. The SMMP is to be prepared by a suitably qualified and experienced practitioner with experience in the design and implementation of stormwater quality management practices and procedures for industrial sites.

The purpose of the SMMP is to set out how the stormwater system will be managed and monitored over the development of the Northport stormwater catchment to achieve compliance with the performance-based conditions below. It is intended to also enable the identification of contingency and improvement actions that will be taken in response to monitoring trigger and compliance thresholds.

The SMMP must include:

- (a) Measures to reduce the entrainment of contaminants into stormwater including, but not limited to, source control measures such as sweeping, vacuuming and/or covering potential contaminant sources.

- (b) Methods to remove, as far as practicable, coarse sediments and debris, suspended sediment, adsorbed contaminants, and dissolved contaminants.
- (c) Operational and maintenance details for:
  - (i) Pond and associated pumps;
  - (ii) Canals;
  - (iii) Spillways;
  - (iv) Removal of silt and any contaminants settled in spillways;
  - (v) Isolation and removal of any spills on the port apron before entering canals;
  - (vi) Repair of any erosion;
  - (vii) Removal of blockages;
  - (viii) Pond and canal sludge management; and
- (d) Sludge management details under XC(c)(viii) must include:
  - (i) The methodology for managing sludge build up in the stormwater basin so as to minimise the potential discharge of a contaminants to groundwater.
  - (ii) The inspection regime and record keeping requirements for the canals and ponds;
  - (iii) Maintenance requirements and the sediment testing regime for TPH, copper, lead, zinc and aluminium.
  - (iv) The predicted frequency of desludging; and
  - (v) The likely disposal location(s), including any secondary approvals required if contaminant levels do not meet cleanfill guidelines and the disposal site is not to a consented disposal facility
- (e) Mechanism for monitoring and review of analytes that are identified in **Appendix 2**.

XD The consent holder shall notify the Council Monitoring Manager in writing of any proposed change(s) to the types of cargo handled through the Port Terminal from those detailed in the application, where they have the potential to materially affect stormwater quality, at least one week prior to the proposed change(s) occurring, and shall, if required to do so by the Council Monitoring Manager, in writing, update the SMMP to reflect any additional monitoring that may be required.

**Advice Note:** The current terminal activities are forestry products, containers, fertiliser, animal feed, gypsum, project cargo (e.g. construction materials) and coal.

XE The consent holder must make an underwater examination of diffuser(s) and pipelines at least once every two (2) years and take such measures as are necessary to ensure that diffuser(s) operate as designed and that all the stormwater discharges, except for the emergency overflow(s), pass through diffuser(s).

#### Attributable compliance limits

XF Water within the Northport stormwater network immediately upstream of the confluence with discharges from the Marsden Maritime Holdings site (i.e. at the downstream limit of the Northport 525 mm gravity pipework), or prior to discharge from any proprietary system to the CMA, must not exceed the following compliance limits;

Parameter	Compliance limit(s)
pH	Between 6.5 and 9
Total copper	0.01 g/m <sup>3</sup>
Total lead	0.044 g/m <sup>3</sup>
Total zinc	0.15 g/m <sup>3</sup>
Ammoniacal nitrogen (NH <sub>4</sub> -N)	1.86 g/m <sup>3</sup>
Total suspended solids	100 g/m <sup>3</sup>

#### Monitoring location and frequency

XG Stormwater monitoring will be undertaken at a point downstream of the pumps and prior to the confluence with discharges from the Marsden Maritime Holdings site (i.e. at the downstream limit of the Northport dedicated gravity pipework), or prior to discharge from any proprietary system to the CMA.

XH The following sampling frequency must be applied at a minimum:

- a) At the discharge location identified in XG, at the first pump activated discharge following practical completion, and for the first annual discharge thereafter, one sample per day must be collected during operational hours until the discharge has ceased.

- b) At the discharge location identified in XG at least two subsequent times each year after the first annual discharge, when a pump activated discharge is occurring, with one sample per day collected during operational hours until the discharge has ceased.
- c) At the influent location to the pond from the canals coincident with the first annual discharge, and also at each of the two subsequent times thereafter within each year when a pump activated discharge is occurring, one sample per day must be collected during operational hours until the discharge has ceased.

### **Reporting**

- XI Following completion of one year of monitoring undertaken in accordance with the SMMP, and annually thereafter, the consent holder shall, within two months forward a report to the Council that describes the following as a minimum:
  - a) A summary and interpretation of the monitoring results, including a review of trends and performance of the stormwater treatment system based on the analysis of trigger and compliance parameters
  - b) The outcome of any recommendations made relating to the diffuser inspection required by Condition XE and how remedial actions have or will be undertaken to address those issues identified
  - c) A copy of data in a tabulated spreadsheet format with a comparison of the results of compliance limits and historical results – including specific assessment of all monitoring information such as the duration of discharge events, prior pond volumes or levels, rainfall intensity and duration of rainfall events, and comment on how that information is used to inform stormwater management outcomes for the site
- XJ The consent holder must notify the Council as soon as practicable and no later than 24 hours after becoming aware of the limits and performance standards specified in this resource consent being exceeded and/or of any accidental discharge, stormwater treatment system breakdown, or other circumstances which are likely to result in the limits and performance standards of this resource consent being exceeded. The consent holder must, within 10 working days of the incident occurring, provide a written report to the Council, identifying the exceedance, possible causes, steps undertaken to remedy the effects of the incident and measures that will be undertaken to ensure future compliance.

### **New definition**

**“first annual discharge”** means the first pump activated discharge from the stormwater system of each twelve (12) month period following the anniversary of the first pump activated discharge after Practical Completion.