

# NZ Steel – Glenbrook Steel Mill Water Discharge Permit Replacement Application

## Appendix R to the Assessment of Effects on the Environment Proposed Conditions of Consent

### PROPOSED CONDITIONS FOR AUCKLAND COUNCIL

#### RESOURCE CONSENT

#### DEFINITIONS:

<b>Council</b>	Means Auckland Council (including the nominated personnel such as monitoring and compliance officer(s)).
<b>Consent Limit</b>	A measurable restriction for individual environmental parameters specified by Schedule 1. These restrictions are required by consent to be complied with to ensure adverse effects are appropriately managed.
<b>Environmentally Hazardous Substances</b>	Means any material, chemical or substance in sufficient quantity or concentration that may result in more than minor adverse effects when released to the receiving environments.
<b>External Scrap</b>	Ferrous scrap that is sourced from sources other than the Steel Mill (i.e., from external sources). External Scrap will be processed off-site by Suppliers (including removal of non-ferrous material, shredding, cutting and grading) prior to arrival on Site.
<b>Industrial and Trade Activities Area (ITA Area)</b>	Means the area of the Site from which the ITA stormwater is discharged. It includes all ITA activities and stockpiling landholdings, including provisional areas for potential future expansion (referred to as “Future ITA Areas”). The area is bound to the north by Brookside Road, to the east by Mission Bush Road, and to the west by the Waiuku Estuary. The ITA Area is depicted on Figure 1.
<b>ITA Stormwater</b>	Rainfall runoff from the ITA Area.
<b>Process water</b>	Process water is water that is used for a variety of manufacturing processes at the Steel Mill. Discharged process water includes both waste process water and landfill leachate.
<b>Replaced Consents</b>	NZ Steel’s resource consents relating to the discharge of ITA stormwater and process water that this consent has replaced: <ul style="list-style-type: none"> <li>• Permit 41027 – Industrial or Trade Activity (ITA) discharges;</li> <li>• Permit BUN60422451 – EAF Scrap Yards Industrial or Trade Activity (ITA) discharges;</li> <li>• Permit 21575 – Northside Outfall discharge;</li> <li>• Permit 21576 – Southside Outfall discharge;</li> <li>• Permit 21577 – Dewatering Plant discharge;</li> <li>• Permit 23877 – Occupation of the coastal marine area by the Southside Outfall structure; and</li> <li>• Water Right 812691 – North Drain diversion and discharge.</li> </ul>

<b>Scrap Yards*</b>	Areas where External Scrap is proposed to be stored: <ul style="list-style-type: none"> <li>• Local Yard- North;</li> <li>• Local Yard – South;</li> <li>• Yard A; and</li> <li>• Buffer Scrap Yard (Option 1 or Option 2)</li> </ul>
<b>Site</b>	Means all of the land owned by NZ Steel (including the farmland which provides a buffer around the ITA Area) and shown on Figure 1.
<b>Trigger Investigation Level</b>	A numerical value above which investigation actions will be taken. Trigger Investigation Levels are specified in the Water Quality Management Plan.
<b>Water management system</b>	Means the system utilised on the Site to manage and treat the water discharges authorised by this Consent, including the Northside and Southside Outfall structures located in the Coastal Marine Area.

\* These are the Scrap Yards authorised by the EAF Scrap Yard consent (BUN60422451)

#### ABBREVIATIONS:

<b>CBMP</b>	Coastal Birds Management Plan
<b>CLMP</b>	Closed Landfill Management Plan
<b>EAF</b>	Electric Arc Furnace
<b>ITA</b>	Industrial and Trade Activities
<b>WMP</b>	Wetlands Management Plan
<b>WQMP</b>	Water Quality Management Plan

**GENERAL CONDITIONS:**

1. The Consent Holder shall undertake the activity generally in accordance with the documentation submitted to Council as part of application [to be completed], where not amended by the conditions of this resource consent. This shall not preclude changes to plant, processes or activities where the effects on water quality are the same or similar in character, intensity, and scale to the effects described by the application documents.
2. Council shall be permitted access to the relevant parts of the Site at all reasonable times, for the purpose of carrying out inspections, surveys, investigations, tests, measurements or taking samples whilst adhering to the Consent Holder's health and safety policy.
3. The Consent Holder shall make records of inspections and maintenance activities for the water management system available for review by Council during visits to the Site, on request.
4. The Consent Holder shall pay the Council an initial consent compliance monitoring charges of \$[insert amount] (inclusive of GST), plus any further monitoring charge or charges to recover the actual and reasonable costs incurred to ensure compliance with the conditions attached to this consent.

*Advice Note:*

The initial monitoring deposit is to cover the cost of inspecting the Site, carrying out tests, reviewing conditions, updating files, etc., all being work to ensure compliance with the resource consent. In order to recover actual and reasonable costs, monitoring of conditions, in excess of those covered by the deposit, shall be charged at the relevant hourly rate applicable at the time. The Consent Holder will be advised of the further monitoring charge. Only after all conditions of the resource consent have been met, will the Council issue a letter confirming compliance on request of the Consent Holder.

5. Under Section 123 of the RMA, this consent expires on [insert date] **[35 years from commencement of consent]**, unless it has been surrendered or been cancelled at an earlier date pursuant to the Resource Management Act.
6. The Consent Holder must maintain, support the functions of, and meet the reasonable costs of an Environment Committee for the duration of the consent. The Consent Holder must extend invitations to join the Environment Committee and notify the Council of the names and professional affiliations of members. As far as practicable, the Environment Committee must comprise of at least one representative from each of the following:
  - (a) Local residents from the Glenbrook and Waiuku area (which may be a representative of the Franklin Local Board).
  - (b) Auckland Council Licensing and Regulatory Compliance (the Team Leader – Compliance Monitoring).
  - (c) Auckland Regional Public Health Service.
  - (d) Ngāti Tamaoho.
  - (e) Ngāti Te Ata.

*Advice Note: Environment Committee*

The established NZ Steel Environment Committee may perform the role of the Environment Committee in this condition. The members of the Environment Committee may change over time with notification to be provided to the Council.

7. The Consent Holder must use its best endeavours to ensure that the Environment Committee meets at least annually in November of each year. Any matters of concern raised by the Environment Committee regarding water discharges authorised by this consent and associated water quality effects must be recorded by the Consent Holder and notified to the Council within ten working days of the meeting. The Consent Holder shall, as a minimum, present the following information (from the Annual Report prepared in accordance with Condition 22) to the Environment Committee:
  - (a) A summary of the water monitoring data collected in accordance with the water monitoring programme in the preceding 12 months;
  - (b) A summary of any spills with potential to compromise compliance with the conditions of this consent which occurred within the preceding 12 months and the response which was undertaken;
  - (c) Outline of any identified emerging trends with respect to the information presented in accordance with subclauses (a) and (b) above;
  - (d) Outline of any environmental factors or operational events which may have affected the results; and
  - (e) Summary of actions and outcomes taken in response to any exceedances of Consent Limits or Trigger Investigation Levels.

*Advice Note:*

Further meetings of the Environment Committee may also be held throughout the year.

8. Under section 128 of the RMA, the conditions of this consent may be reviewed by the Manager Resource Consents at the Consent Holder's cost at five yearly intervals following the commencement of the consent to:
  - (a) Deal with any significant adverse effect on the environment arising from the exercise of the consent, which was not foreseen at the time the application was considered, and which is appropriate to deal with at the time of the review.
  - (b) Consider the adequacy of conditions which avoid, remedy and mitigate adverse effects beyond the boundary of the Site, particularly if regular or frequent complaints have been received and validated by an enforcement officer.
  - (c) Require the Consent Holder to adopt the best practicable option to remove or reduce any adverse effect on the environment arising from the exercise of this consent.
  - (d) Take into account any Act of Parliament, regulation, national policy statement, regional policy statement or relevant regional plan that relates to limiting, recording or mitigating emissions by this consent.

Additionally, the conditions of this consent may be reviewed by the Manager Resource Consents at any time, if it is found that the information made available to the Council in the

application contained inaccuracies which materially influenced the decision and the effects of the exercise of the consent are such that it is necessary to apply more appropriate conditions.

### Water Quality Management Plan

9. Within six months of the date of commencement of this consent a Water Quality Management Plan (WQMP) must be submitted to the Council for certification. The Council will advise the Consent Holder in writing if any aspects of the WQMP are considered to be inconsistent with the conditions of this consent.

The overall objective of the WQMP is to outline the practices and procedures to be adopted to ensure compliance with these consent conditions. The WQMP must include (but not be limited to) the following:

- (a) Identification of the key activities in the ITA Area which are potential sources of water discharges and their potential contaminants, including a map showing the location of each key activity and discharge locations;
- (b) Description of how the management and operational procedures, methodologies and contingency plans necessary to comply with the conditions of this consent are implemented by an Environmental Management System (compliant with ISO 14001 or equivalent) that includes:
  - (i) Procedures to manage environmental risks associated with the activities identified in a) above; and
  - (ii) An Emergency Spill Response Plan, which includes provision that any spill of Environmentally Hazardous Substances that has entered the receiving environment shall be reported immediately to the Auckland Council's 24 Hour Pollution Hotline (09-377-3107).
- (c) Actions that will be taken in response to any exceedance of Trigger Investigation Levels and to any incidents which could result in non-compliance with a condition of this consent;
- (d) Incident reporting procedures relating to non-compliance and Trigger Investigation Levels;
- (e) Appropriate auditing to ensure performance with conditions relating to this consent;
- (f) Identification of relevant employee roles and responsibilities in relation to the WQMP;
- (g) Description of how training and competency checks are to be provided for personnel undertaking activities and tasks referenced or referred to in the WQMP;
- (h) Description of the management of change process for any material modification to the processes and activities set out in the consent holder's application for this consent, including assessment of whether changes ensure the effects are the same or similar in character, intensity, and scale to the effects described by the application documents (Condition 1).
- (i) Description of the review process for the WQMP, as set out in Condition 12;
- (j) Outline of the operation and maintenance practices as required by Condition 15;
- (k) Outline of the chemical treatment programme as required by Condition 16;
- (l) Outline of the water monitoring programme as required by Condition 17; and
- (m) Requirements for reporting (including timing) in accordance with the conditions of this consent including:
  - (i) Annual Report; and
  - (ii) Five Yearly report.
- (n) Methods to comply with Conditions 13H, 13I and 13J (if an EAF is operated at the Site).

*Advice Note:*

The council acknowledges that the WQMP is intended to provide flexibility both for the consent holder and the council for the management of the water discharges. Accordingly, the WQMP may need to be reviewed over time. Any reviews should be in accordance with the stated objectives of the management plan and limited to the scope of this consent.

Certification of the WQMP by the council relates only to those aspects of the management plan that are relevant under the RMA. The certification does not amount to an approval or acceptance of suitability by the council of any elements of the management plan that relate to other legislation, for example, but not limited to, the Building Act 2004 or the Health and Safety at Work Act 2015.

10. The activities authorised by this consent must be managed in accordance with the WQMP.
11. A copy of the WQMP shall be held on Site at all times and made readily available to all personnel with responsibilities defined in the WQMP.
12. The WQMP must be reviewed:
  - (i) At least on a **five-yearly** basis; and
  - (ii) Prior to any material changes to any activities.
  - (a) Any changes to the WQMP made following a review under (i) or (ii) above must be submitted to the Council for review.
  - (b) Material changes include, but are not limited to, any proposed changes to the raw materials, stored materials, processes, or water management system that may have a significant effect on the quantity or quality of the authorised discharge.
  - (c) The Council will advise the Consent Holder in writing if any aspects of the WQMP are considered to be inconsistent with the conditions of this consent.

### **Future ITA Areas and External Scrap Yards**

13. Prior to the establishment of any industrial or trade activities within the Future ITA Areas, the Consent Holder shall provide the following information to Council for review:
  - (a) Information on the nature of the activities, their potential contaminants and the location of each activity and discharges;
  - (b) Information on the management and operational procedures, methodologies and contingency plans necessary to comply with the conditions of this consent, including procedures to manage environmental risks associated with the activities; and
  - (c) Information on any additional monitoring locations and the proposed monitoring programme and Trigger Investigation Levels.

The Council will advise the Consent Holder in writing within ten working days of receipt of the above information if it considers if any aspects of the new activity/ activities within the Future ITA Areas are considered to be inconsistent with the conditions of this consent.

Unless the Consent Holder receives such notice, the new activity/ activities shall be deemed to be in accordance with this consent, and the information outlined in (a) to (c) above shall be incorporated into an updated WQMP prior to any new discharges from the activities. If Council notifies the Consent Holder of any inconsistencies, the Consent Holder shall review the

proposed new activity/ activities and (to the extent necessary) provide further information to Council to establish consistency with this consent.

13A. In the event that the Consent Holder operates an EAF, Conditions 13B to 13K shall apply to the associated Scrap Yards and External Scrap.

**Scrap Yards Structural Controls (Conditions 13B – 13G only apply to the construction of the Scrap Yards should they not be constructed under BUN60422451)**

*Advice Note:*

Conditions 13B to 13G (shaded grey) apply to the construction of the Scrap Yards and include all stormwater works required to be undertaken in order to prepare the Scrap Yards to accept External Scrap. Once the Scrap Yards become operational, these conditions will no longer apply.

13B. The following stormwater management works shall be constructed, for the following Scrap Yard ITA catchment areas and design requirements, except that only one of Option 1 or Option 2 shall be constructed. The works shall be operational prior to the acceptance of External Scrap to the corresponding catchment.

Scrap Yard ITA Area	Treatment	Design flows	Design requirement(s)
Local Yard - North	Downstream defender, ESK™, Wetland/sandfilter	90th Percentile rain event	Stormwater Management Devices in the Auckland Region (GD01) (2017) and Stormwater Management Devices: Design guidelines manual (TP10) (2003) for a sandfilter.
Local Yard – South	Downstream defender, ESK™, Wetland/sandfilter	90th Percentile rain event	Stormwater Management Devices in the Auckland Region (GD01) (2017) and Stormwater Management Devices: Design guidelines manual (TP10) (2003) for a sandfilter.
Yard A	Downstream defender, ESK™, Wetland/sandfilter	90th Percentile rain event	Stormwater Management Devices in the Auckland Region (GD01) (2017) and Stormwater Management Devices: Design guidelines manual (TP10) (2003) for a sandfilter.
Buffer Scrap Yard - Option 1	Hydrocarbon Booms, Sediment pond + Wetland	90th Percentile rain event	Stormwater Management Devices in the Auckland Region (GD01) (2017);
Buffer Scrap Yard - Option 2	Hydrocarbon booms, Sediment Pond + Wetland	90th Percentile rain event	Stormwater Management Devices in the Auckland Region (GD01) (2017);

13C. Prior to construction, the Consent Holder may modify the stormwater management works outlined in Condition 13B provided:

- (a) the modification does not reduce the capacity or performance of the stormwater management system outlined in Condition 13B; and
- (b) prior to commencement of construction of the modified works the consent holder provides Team Leader Southern Monitoring with the following information:
  - (i) plans and drawings outlining the details of the modifications; and
  - (ii) a report from a suitable qualified and experienced person that confirms that the modifications meet the requirements of (a) above.

13D. A pre-construction meeting shall be held on-site by the Consent Holder, prior to commencement of construction works associated with the stormwater management works referred to in Condition 13B. The pre-construction meeting shall:

- (a) Be arranged no less than five working days prior to commencement of the construction works (or part thereof) of any stormwater devices on the site;
- (b) Be held at the subject area;
- (c) Include inviting representation from the Team Leader Southern Monitoring; and
- (d) include attendance from representatives of the site stormwater engineer, and contractors who will undertake the works.

13E. The following information shall be made available prior to, or at the pre-construction meeting:

- (a) construction timeframes for the stormwater management works authorised under this consent;
- (b) contact details of the site contractor and site stormwater engineer; and
- (c) preliminary drainage plans; and;
- (d) planting plan (where applicable).

13F. Within **20 working days** of completion of the stormwater management works (or part thereof) the Consent Holder shall convene a post-construction meeting that:

- (a) is located on the subject area;
- (b) includes inviting representation from the Team Leader Southern Monitoring; and
- (c) includes attendance from representatives of the site stormwater engineer, contractors who have undertaken the works and any other relevant parties.

*Advice Note:*

*To arrange the construction meetings required by this consent, please contact the Team Leader Southern Monitoring on 09 301 0101 or [monitoring@aucklandcouncil.govt.nz](mailto:monitoring@aucklandcouncil.govt.nz) .*

### **Certification of As-Built Plans**

13G. As-Built certification and plans of the stormwater management works, which are certified (signed) by a suitably qualified registered surveyor as a true record of the stormwater management system, shall be provided to the Team Leader Southern Monitoring for approval no less than 5 working days prior to the post-construction meeting required by Condition 13F.



The As-Built plans shall display the entirety of the stormwater management system associated with the works, and shall include:

- (a) the surveyed location (to the nearest 0.1m) and level (to the nearest 0.01m) of the discharge structure, with co-ordinates expressed in terms of NZTM and LINZ datum;
- (b) plans and cross sections of all stormwater management devices, including confirmation of the Water Quality Volume, storage volumes and levels of any outflow control structure;
- (c) identification of any modifications made in accordance with Condition 13C.

13H. The WQMP (required by Condition 7) shall include the following information prior to the placement of any External Scrap within the Scrap Yards:

- (a) Details of the Scrap Yards, including:
  - (i) Locations and catchment areas of the Scrap Yards,
  - (ii) Locations and calculations of associated treatment devices
  - (iii) Drainage plan and discharge locations.
- (b) Identification of employee roles and responsibilities in relation to the Scrap Yards.
- (c) Description of the external scrap acceptance procedures and protocols as required by Condition 13J.
- (d) Description of the procedural and physical controls including Scrap Yard management and stormwater management and treatment to manage discharges to land, and water associated with the Scrap Yard activities.
- (e) Description of the proposed monitoring programme applicable to the Scrap Yards, including any additional monitoring locations and proposed Trigger Investigation Levels.

*Advice Note:*

In the event that the Scrap Yards authorised by this Consent have been established under the EAF Scrap Yards consent (ref: BUN60422451), the Ferrous Scrap Management Plan required by Condition 5 of that consent shall be incorporated in the WQMP.

13I. All External Scrap used shall be kept as far as practicable free from radioactive materials and materials that could give rise to hazardous substances, as listed in the WQMP, including free liquids (including chemicals or oils), lead, mercury, chlorinated plastic, asbestos, wood and putrescible materials (collectively referred to as 'Specified Materials').

13J. The Consent Holder will undertake the following, as set out in the WQMP, to exclude, as far as practicable, the presence of Specified Materials (Condition 13I) within the External Scrap:

- (a) Establish protocols requiring suppliers to:
  - (i) Prepare and maintain an Inspection and Verification Plan that describes the engineering and management controls to exclude, as far as practicable, materials identified on the Specified Materials List; and
  - (ii) Participate in audits of engineering and management controls as set out in the Inspection and Verification Plan.
- (b) Retain a record of audits undertaken and provide audit records to the Council on request.
- (c) Install radiation detector(s) at the Site and ensure that each load is screened for radiation. If a positive result is obtained, the load will be isolated and managed in accordance with requirements set out in the WQMP.

(d) Perform a visual inspection of each load of External Scrap when delivered to the Site to, as far as is reasonably practical, inspect for Specified Materials. If Specified Materials are observed, the load will be managed in accordance with the WQMP including being isolated for sorting or returned to the Supplier.

13K. Following two years of the establishment of any ITA activities within Future ITA Areas and/or the placement of External Scrap in any of the Scrap Yards, the two years of monitoring data related to the new activity shall be reviewed to identify any changes required to the water monitoring programme, specifically the sampling locations, monitoring parameters, frequency of sampling and Trigger Investigation Levels, set out in the WQMP (required by Condition 9). Any changes to the WQMP made as a result of this review, must be submitted to the Council for review within three months (that is, two years and three months from the commencement of the new activity).

### **Transitional Operational Measures**

14. In the period between the grant of the consent and the certification of the WQMP, the Consent Holder shall operate and maintain the water management system in accordance with site management practices that were in place prior to the grant of this consent, as required under the Replaced Consents.

### **Operation and Maintenance**

15. Following its certification, the Consent Holder shall operate and maintain the water management system as outlined in the WQMP, to ensure the system operates effectively at all times in order that:

- (a) Discharges authorised by this consent are below Consent Limits as set out in Schedule 1; and,
- (b) Exceedances of Trigger Investigation Levels are minimised.

The operation and maintenance programme shall include the following, but is not limited to:

- (i) Regular preventative maintenance, repair and inspection programme for the water management devices;
- (ii) Cleaning of water management devices;
- (iii) Post storm inspection and maintenance;
- (iv) Inspection, repair and preventative maintenance of outfall structures;
- (v) Inspection and maintenance of vegetation associated with the water management devices; and
- (vi) Roles and responsibilities for maintenance of the water management system.

### **Chemical Treatment Management Programme**

16. **Within six months** of commencement of this consent, a chemical treatment management programme shall be submitted to the Council as part of the WQMP (required by Condition 9). The overall objective of the chemical treatment management programme is to provide an outline of the practices and procedures to be adopted in relation to chemical treatment to ensure compliance with these consent conditions.

The chemical treatment management programme shall include, but not be limited to:

- (i) Design details of chemical treatment systems including dosing location and systems;

- (ii) Details of all flocculant and/or coagulant chemicals used to promote the settlement of solids in the clarifier; and
- (iii) A procedure for introducing any chemical or coagulant not previously used.

### **Water Monitoring Programme**

17. The water monitoring programme shall be designed to enable the Consent Holder to assess:
- (a) Sediment quality, benthic community health, and shellfish contaminant loads within the Coastal Marine Area (within and outside the mixing zone);
  - (b) Contaminants concentrations within the North Drain, Ruakohua Stream and Kahawai Stream;
  - (c) Contaminant loads from the process water and ITA stormwater discharge locations (including the Scrap Yards, Dewatering Plant, Northside and Southside Outfalls).

The water monitoring programme shall include, but not be limited to:

- (i) Sampling locations, which shall include as a minimum those shown on Figure 1;
- (ii) Monitoring parameters for analysis, and frequency for sampling, including the parameters and frequencies specified in Schedule 1 as a minimum;
- (iii) Methods and procedures for sampling, sample collection, and laboratory analysis;
- (iv) Consent limits, as detailed in Schedule 1;
- (v) Process for developing, setting and method for review of Trigger Investigation Levels, including a requirement to review Trigger Investigation Levels in the event that any relevant guideline values change; and
- (vi) Trigger Investigation Levels set in accordance with (v), for all parameters in Table 1 and Table 2 of Schedule 1.

As a minimum, the sampling locations, monitoring parameters, frequency of sampling and Trigger Investigation Levels specified in this condition shall apply for at least two years following commencement of this Consent, unless changes are agreed with Council.

Thereafter, any changes to the monitoring programme shall be undertaken in accordance with Condition 12.

### **Consent Limits**

18. Discharges from the ITA Area shall not result in any exceedance of the consent limits set out in Schedule 1.

### **North Stream Trigger Investigation Levels**

19. If continuous monitoring for turbidity (daily average) or the daily composite sample results obtained at Site 1 exceed the Trigger Investigation Levels and no immediate source of the exceedance is identified, additional grab samples shall be taken as soon as practicable from the Coal Yard 19 Pond, CY1/2 East Pond, Y56K Pond, Dewatering Plant, and any future North Drain ITA discharge point and an investigation into the potential source shall be undertaken in accordance with the WQMP.

### **Coastal Birds Management Plan**

20. **Within six months** of commencement of this consent, a Coastal Birds Management Plan (CBMP) shall be prepared by the Consent Holder and submitted to the Council for certification. The overall objective of the CBMP is to describe the coastal bird habitat restoration and enhancement measures that are to be implemented to ensure that the project has overall positive effects on coastal birds. The CBMP shall be developed generally in accordance with the draft CBMP submitted with the application documents.

The CBMP must include, but not be limited to:

- (a) Identification of the area/s for coastal bird compensation activities, including a map showing the location/s;
- (b) Description of the compensation measures to be implemented, including details of scope, methodology and timing;
- (c) Details of maintenance to be undertaken on an ongoing basis to support compensation activities undertaken, including animal and plant pest control;
- (d) Details on how the Consent Holder will assess the effectiveness of the compensation. This shall include a monitoring programme that sets out baseline monitoring prior to the commencement of compensation measures, monitoring post commencement of compensation measures, and the duration of the monitoring programme;
- (e) Process for reviewing and amending the CBMP, including review and amendment of the monitoring programme;
- (f) Reporting requirements for reporting implementation of the CBMP, including compensation activities, maintenance, and monitoring; and
- (g) Identification of relevant employee roles and responsibilities in relation to the CBMP.

#### **Wetlands Management Plan**

21. **Augier Condition: Within six months** of commencement of this consent, a Wetlands Management Plan (WMP) shall be prepared by the Consent Holder and submitted to the Council for information.

The overall objective of the WMP is to describe the Consent Holder's proposed wetland enhancement measures that are to be implemented generally in accordance with the draft WMP submitted with the application documents.

The WMP must include, but not be limited to:

- (a) Identification of the area/s for wetland enhancement activities, including a map showing the location/s;
- (b) Description of the enhancement measures to be implemented, including details of scope, methodology and timing;
- (c) Details of maintenance to be undertaken on an ongoing basis to support enhancement activities undertaken, including animal and plant pest control;
- (d) Description of a monitoring programme that sets out baseline monitoring prior to the commencement of enhancement measures, monitoring post commencement of enhancement measures, and the duration of the monitoring programme;
- (e) Process for reviewing and amending the WMP, including review and amendment of the monitoring programme;
- (f) Reporting requirements for reporting implementation of the WMP, including enhancement activities, maintenance, and monitoring; and
- (g) Identification of relevant employee roles and responsibilities in relation to the WMP.

*Advice Note:*

This condition was offered by the Consent Holder on an *Augier* basis under section 108AA(1)(a). It is not required nor directly connected to any adverse effects of the activities authorised by this consent.

### Reporting Requirements

22. An Annual Report providing details relating to treated process water and ITA stormwater discharges shall be submitted **annually** to the Council on or before the date specified in the WQMP.
23. The Annual Report shall include, but not be limited to:
- (a) A summary description of all revisions to the WQMP relating specifically to the implementation of this consent for the preceding **12 months**;
  - (b) A summary of maintenance of the water management system for the preceding **12 months**;
  - (c) A summary of the water monitoring data collected in accordance with the water monitoring programme, in the preceding **12 months** and comparison with at least previous **2 years** of water monitoring data;
  - (d) A summary of any spills with potential to result in exceedances of Consent Limits and Trigger Investigation Levels which occurred within the preceding 12 months and the response which was undertaken;
  - (e) Identify and comment on any emerging trends with respect to the information presented in accordance with subclauses (iii) and (iv) above;
  - (f) Identify and comment on any environmental factors or operational events which may have affected the results.
  - (g) A summary of activities supporting the CBMP and the WMP and any associated maintenance and monitoring; and
  - (h) A summary of actions and outcomes taken in response to any exceedances of Consent Limits or Trigger Investigation Levels.
24. A Five Yearly Report evaluating all aspects of the environmental performance of the ITA Area relating to treated process water and ITA stormwater discharges shall be prepared by a suitably qualified and experienced person and submitted **five yearly** to the Council on or before the date specified in the WQMP.
25. The Five Yearly Report shall include, but not be limited to, all information in Part 1 set out below, and, in the event that any effects are identified in Part 1(a)(vi), all information in Part 2.
- Part 1 – General outline of report
- (a) Taking into account the information provided in the five preceding Annual Reports (Condition 22), provide commentary regarding compliance with conditions of this consent, and, in the event of any non-compliance, commentary regarding actual and potential effects associated with those non-compliances.
- The commentary shall:
- (i) Compare data with the previous Five Yearly Report;
  - (ii) Identify and comment on long-term emerging trends in monitoring data;
  - (iii) Critically evaluate the performance of the operations and maintenance procedures and physical mechanisms in place to minimise any adverse effects associated with the exercise of this consent;

- (iv) Identify any improvements to the water management system, undertaken or planned, including those implemented in response to non-compliances;
  - (v) Make recommendations on any additional improvements needed, with respect to procedures or mechanisms relating to the exercise of this consent; and,
  - (vi) Identify any effects beyond those identified in the application for this consent.
- (b) Taking into account the information in (a), review and confirm the ongoing monitoring requirements including parameters and frequencies, and detail the updates required to the WQMP, if any are necessary.
- (c) Any other issue considered important by the Consent Holder.

Part 2 – required in the event that any effects are identified in Part 1(a)(vi)

- (d) A review of all significant aspects of the water management system relevant to the effects identified in Part 1(a)(vi). The review shall include:
- (i) The associated water management system, and associated operations and maintenance procedures.
  - (ii) Description of alternative methods for minimising the effects of the discharge compared to that currently used in the ITA Area.
  - (iii) Identification of any of the alternative methods in (ii) that would significantly reduce adverse effects.
  - (iv) The feasibility, including financial implications, of adopting the methods identified in (iii).
  - (v) An overall evaluation of whether current practice is the best practicable option.
  - (vi) Where current practice is no longer the best practicable option as identified in Part 2(d)(v), the steps to be taken to adopt the best practicable option, and a timetable in which those steps can practicably be taken.

## **OCCUPATION OF THE COASTAL MARINE AREA (CMA) BY DISCHARGE STRUCTURES**

### **Maintenance**

26. The structures authorised by this consent shall be maintained in a good condition for the duration of the consent.

*Advice Note:*

Some works to maintain or repair structure(s) may themselves require resource consent. Contact the Team Leader – Coastal for advice.

### **Extent of Occupation**

27. The right to occupy part of the coastal marine area, as defined by section 12(4) of the Resource Management Act 1991, shall be limited to the area of the structures identified in the plans listed in Condition 1.
28. The occupation of the common marine and coastal area by the authorised structures is not an exclusive right of occupancy. The general public or any person(s) may not be excluded from the areas or any part of the areas to which this consent applies, unless necessary for the primary purpose of the structures or for health and safety reasons, and only to the extent necessary to enable the primary purpose of the structures and to address health and safety requirements.

## Removal Condition

29. Within forty (40) working days of the expiry, termination or surrender of this consent, or within a period as otherwise agreed in writing by the Council, the Consent Holder shall, at its own expense, entirely remove the structures authorised by this consent from the coastal marine area to the satisfaction of the Council, unless an application for a replacement consent has been accepted for processing by the Council.

### *Advice Note:*

If you cannot comply with the permitted activity requirements in the relevant plans, consent may be required for the removal works.

## DISCHARGE OF LEACHATE

### Closed Landfill Management Plan

30. Within six months of the date of commencement of this consent a Closed Landfill Management Plan (CLMP) must be prepared by the Consent Holder and submitted to the Council for certification.

The overall objective of the CLMP is to describe the operating and management procedures to be adopted for the Closed West Landfill (previously Brookside Landfill) to ensure compliance with these consent conditions.

The CLMP must include, but not be limited to:

- (a) Identification of relevant employee roles and responsibilities in relation to the CLMP;
- (b) A monitoring programme relevant to the inspection of the landfill cap and infrastructure;  
and
- (c) Maintenance, inspection and ongoing management requirements to maintain the integrity of the closed landfill, including reporting, if required.

## SCHEDULE 1

General notes:

1. Monitoring parameters, sampling location and frequency of sampling shall be in accordance with Schedule 1 for two years following commencement of consent. After this time, parameters, sampling locations and frequency may be amended following review of the WQMP (refer to Conditions 12 and 17).
2. Trigger Investigation Levels are specified in the WQMP (refer to Condition 17)

## NORTHSIDE AND SOUTHSIDE OUTFALLS

**Table 1: Discharge monitoring at Northside and Southside Outfalls<sup>1</sup>**

Parameter	Northside Outfall	Southside Outfall
Volume	Continuous	Continuous
Temperature	Continuous	Continuous
Turbidity	Continuous	Continuous
pH	Daily composite	Daily composite
PAHs	Monthly	Monthly
TSS	Daily composite	Daily composite
Conductivity	Daily composite	Daily composite
Hardness	Daily composite	Daily composite
Dissolved organic carbon	Monthly	Monthly
Oil and Grease	Monthly	Monthly
Total Petroleum Hydrocarbons (TPH)	Monthly	Monthly
Aluminium	Monthly	Monthly
Boron	Monthly	Monthly
Cadmium (total)	Quarterly	Quarterly
Chromium total	Quarterly	Quarterly
Copper (dissolved)	Daily composite	Daily composite
Copper (total)	Daily composite	Daily composite
Iron (total)	Daily composite	Daily composite
Lead (total)	Quarterly	Quarterly
Nickel (total)	Quarterly	Quarterly
Vanadium (total)	Daily composite	Daily composite
Zinc (dissolved)	Daily composite	Daily composite
Zinc (total)	Daily composite	Daily composite

**Note 1:**

- “Quarterly”/ “Monthly” are composite samples, except for oil and grease, dissolved organic carbon, TPHs and PAHs which would be grab samples.
- “Daily composite” refers to daily samples, based on predetermined aliquot which is taken on a time or flow basis.



**Table 2: Consent Limits for Northside and Southside Outfalls**

Parameter	Northside Outfall proposed Consent Limit	Southside Outfall proposed Consent Limit
pH	6-9.5	6-9.5
TSS	15 mg/L (monthly flow weighted average)	15 mg/L (monthly flow weighted average)
Zinc concentration (total)	0.11 mg/L (three-monthly flow weighted average)	0.08 mg/L (three monthly flow weighted average)
Zinc load	1 kg/day (three monthly flow weighted average)	-
Cadmium	0.055 mg/L (three monthly flow weighted average)	0.055 mg/L (three monthly flow weighted average)
Chromium	0.044 mg/L (three monthly flow weighted average)	0.044 mg/L (three monthly flow weighted average)
Copper	0.013 mg/L (three monthly flow weighted average)	0.013 mg/L (three monthly flow weighted average)
Lead	0.044 mg/L (three monthly flow weighted average)	0.044 mg/L (three monthly flow weighted average)
Nickel	0.7 mg/L (three monthly flow weighted average)	0.7 mg/L (three monthly flow weighted average)

**RUAKOHUA STREAM AND KAHAWAI STREAM CATCHMENTS****Table 3: Discharge and freshwater monitoring at Ruakohua Stream and Kahawai Stream catchments<sup>1</sup>**

Parameter	Ruakohua Stream catchment	Kahawai Stream catchment
	<ul style="list-style-type: none"> <li>• Contractor's Compound</li> <li>• Yard 31</li> <li>• Future Ruakohua ITA Discharges</li> </ul>	<ul style="list-style-type: none"> <li>• Future Kahawai ITA Discharges</li> <li>• Kahawai Culvert</li> </ul>
Temperature	Quarterly	Quarterly
pH	Quarterly	Quarterly
TSS	Quarterly	Quarterly
Conductivity	Quarterly	Quarterly
Hardness	Quarterly	Quarterly
Dissolved organic carbon	Quarterly	Quarterly
Oil and Grease	Quarterly	Quarterly
Aluminium	Quarterly	Quarterly
Boron	-	Quarterly
Copper (total)	Quarterly	Quarterly
Iron (total)	Quarterly	Quarterly
Vanadium (total)	Quarterly	Quarterly
Zinc (total)	Quarterly	Quarterly

**Note 1:** “Quarterly” are grab samples during rain events. Rain events are as specified in the WQMP.

## NORTH DRAIN

**Table 4: Discharge and freshwater monitoring at North Drain catchment and Buffer Scrap Yard**

Parameter	North Drain ITA catchment <sup>1</sup>		North Drain catchment – downstream <sup>2</sup>	North Drain: Dewatering Plant <sup>3</sup>	Buffer Scrap Yard discharges (once operational)*
	<ul style="list-style-type: none"> <li>Coal Yard 19 Pond</li> <li>CY1/2 East Pond</li> </ul>	<ul style="list-style-type: none"> <li>Y56K Pond</li> <li>Future North Drain ITA Discharges</li> </ul>	<ul style="list-style-type: none"> <li>Site 1</li> </ul>	<ul style="list-style-type: none"> <li>Dewatering Plant</li> </ul>	<ul style="list-style-type: none"> <li>Buffer Scrap Yard</li> </ul>
Volume	-	-	-	Continuous	-
Temperature	Monthly	Monthly	Weekly	Monthly	Monthly
Turbidity	Continuous	-	Continuous	Continuous	-
pH	Monthly	Monthly	Weekly	Monthly	Monthly
TSS	Monthly	Monthly	Daily composite	Monthly	Monthly
Conductivity	Monthly	Monthly	Daily composite	Monthly	Monthly
Hardness	Monthly	Monthly	Daily composite	Monthly	Monthly
Dissolved organic carbon	Monthly	Monthly	Daily composite	Monthly	Monthly
PAHs*	-	-	Weekly	-	Monthly
TPH*	-	-	-	-	Monthly
Oil and Grease	Monthly	Monthly	-	Monthly	Monthly
Aluminium	Monthly	Monthly	Daily composite	Monthly	Monthly
Boron	Monthly	Monthly	Daily composite	-	Monthly
Cadmium (total)	-	-	Daily composite	-	-
Chromium total	-	-	Daily composite	-	-
Copper (total)	Monthly	Monthly	Daily composite	Monthly	Monthly
Iron (total)	Monthly	Monthly	Daily composite	Monthly	Monthly
Lead (total)	-	-	Daily composite	Monthly	-
Nickel (total)	-	-	Daily composite	-	-
Vanadium (total)	Monthly	Monthly	-	Monthly	Monthly
Zinc (total)	Monthly	Monthly	Daily composite	Monthly	Monthly

**Note 1:** For the North Drain ITA catchment, “Monthly” are grab samples during rain events. Rain events are as specified in the WQMP.

**Note 2:** For Site 1, “Weekly” are composite samples. “Daily composite” refers to daily samples, based on predetermined aliquot which is taken on a time or flow basis.

**Note 3:** For Dewatering Plant, “Monthly” are grab samples (not rain event).

\*Only relevant if External Scrap is stored in this catchment.

**Table 5: Consent Limits for Dewatering Plant**

Parameter	Dewatering Plant
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Volume	7,400 m <sup>3</sup> /day (monthly average)
Turbidity	20 NTU (monthly flow weighted average)

**Table 6: Consent Limits for North Drain**

Parameter	Site 1 (daily composite sampling)
TSS	50 mg/L (monthly average)
Zinc	0.031 mg/L (monthly average) (80% ANZECC DGV, monthly average)

**COASTAL MONITORING****Table 7: Coastal monitoring**

Parameters	Benthic ecology and sediment sites	Oyster sites
Sediment grain size	2 yearly	-
Cadmium (total recoverable sediment concentration)	2 yearly	-
Chromium (total recoverable sediment concentration)	2 yearly	-
Copper (total recoverable sediment concentration)	2 yearly	-
Lead (total recoverable sediment concentration)	2 yearly	-
Zinc (total recoverable sediment concentration)	2 yearly	-
Benthic ecology at the control site and at Northside A, and at any other sites where the AC ERC-Red guideline values are exceeded for any metals	2 yearly for the control site and Northside A and 2 yearly where required at other sites	-
Zinc concentration in oysters	-	Yearly
Copper concentration in oysters	-	Yearly
Oyster density, length and condition	-	Yearly

## NZ Steel – Glenbrook Steel Mill Water Permits Replacement Application

### Appendix R to the Assessment of Effects on the Environment Comparison of Existing Conditions to Proposed Conditions

Existing resource consents to be replaced				Proposed new resource consents	
Common name	Consent reference	Description	Expiry	Description (grouped approximately against existing consents being replaced)	Reference
Industrial and Trade Activity (ITA) discharges	41027	To discharge contaminants from an industrial or trade activity	31 December 2021	Discharge of contaminants from the ITA Area into land and water, including the CMA (to replace ITA, Southside Outfall and EAF Scrap Yards consents, part replacement of Northside Outfall and Dewatering Plant consents).	AUP E33.4.2 (A23) AUP F2.19.7 (A65)
				Use of land for an ITA	AUP E33.4.1 (A9)
				Discharge and diversion of water within, or within a 100 m setback from, natural wetlands	Freshwater NES Reg 54
Northside Outfall discharge	21575	To authorise the discharge of treated process water and stormwater into the coastal marine area from the Northside Outfall	31 December 2021	Discharge of leachate from the active East Landfill from the Northside Outfall	AUP E13.4.1 (A10) AUP F2.19.7 (A70)
				Discharge of leachate from the closed West Landfill from the Northside Outfall	AUP E13.4.1 (A12) AUP F2.19.7 (A70)
Southside Outfall discharge	21576	To authorise the discharge of treated process water and stormwater into the coastal marine area from the Southside Outfall	31 December 2021		
Occupation of the CMA by discharge structure	23877	To authorise the occupation of part of the coastal marine area with a discharge structure. This relates to the Southside outfall.	31 December 2021	Occupation and use of the CMA by the Northside and Southside Outfall Structures	AUP F2.19.10 (A133)
Dewatering or “Dew” plant discharge	21577	To authorise the discharge of clarified wastewater from the ironsand slurry dewatering plant to the North Stream	31 December 2021	Discharge of the water component of process water from the Ironsand Dewatering Plant	AUP E4.4.1 (A15)
North Stream diversion	812691	To divert and discharge the total flow of the North Stream upstream of Map Ref N47 252175 and to discharge to an unnamed stream at Map Ref N47 252182	1 October 2026	Ongoing diversion of water in the North Drain	AUP E7.4.1 (A13)
EAF Scrap Yards Discharges	BUN60422451	To authorise the ITA land use and discharges from the Scrap Yards associated with the EAF	DIS60422452 and DIS60424342 expire 27 November 2028		

## Definitions

<b>Council</b>	Means Auckland Council (including the nominated personnel such as monitoring and compliance officer(s)).
<b>Consent Limit</b>	A measurable restriction for individual environmental parameters specified by Schedule 1. These restrictions are required by consent to be complied with to ensure adverse effects are appropriately managed.
<b>Environmentally Hazardous Substances</b>	Means any material, chemical or substance in sufficient quantity or concentration that may result in more than minor adverse effects when released to the receiving environments.
<b>External Scrap</b>	Ferrous scrap that is sourced from sources other than the Steel Mill (i.e., from external sources). External Scrap will be processed off-site by Suppliers (including removal of non-ferrous material, shredding, cutting and grading) prior to arrival on Site.
<b>Industrial and Trade Activities Area (ITA Area)</b>	Means the area of the Site from which the ITA stormwater is discharged. It includes all ITA activities and stockpiling landholdings, including provisional areas for potential future expansion (referred to as “Future ITA Areas”). The area is bound to the north by Brookside Road, to the east by Mission Bush Road, and to the west by the Waiuku Estuary. The ITA Area is depicted on Figure 1.
<b>ITA Stormwater</b>	Rainfall runoff from the ITA Area.
<b>Process water</b>	Process water is water that is used for a variety of manufacturing processes at the Steel Mill. Discharged process water includes both waste process water and landfill leachate.
<b>Replaced Consents</b>	NZ Steel’s resource consents relating to the discharge of ITA stormwater and process water that this consent has replaced: <ul style="list-style-type: none"> <li>• Permit 41027 – Industrial or Trade Activity (ITA) discharges;</li> <li>• Permit BUN60422451 – EAF Scrap Yards Industrial or Trade Activity (ITA) discharges;</li> <li>• Permit 21575 – Northside Outfall discharge;</li> <li>• Permit 21576 – Southside Outfall discharge;</li> <li>• Permit 21577 – Dewatering Plant discharge;</li> <li>• Permit 23877 – Occupation of the coastal marine area by the Southside Outfall structure; and</li> <li>• Water Right 812691 – North Drain diversion and discharge.</li> </ul>
<b>Scrap Yards<sup>1</sup></b>	Areas where External Scrap is proposed to be stored: <ul style="list-style-type: none"> <li>• Local Yard- North;</li> <li>• Local Yard – South;</li> <li>• Yard A; and</li> <li>• Buffer Scrap Yard (Option 1 or Option 2)</li> </ul>
<b>Site</b>	Means all of the land owned by NZ Steel (including the farmland which provides a buffer around the ITA Area) and shown on Figure 1.
<b>Trigger Investigation Level</b>	A numerical value above which investigation actions will be taken. Trigger Investigation Levels are specified in the Water Quality Management Plan.
<b>Water management system</b>	Means the system utilised on the Site to manage and treat the water discharges authorised by this Consent, including the Northside and Southside Outfall structures located in the Coastal Marine Area.

## Abbreviations

<b>CBMP</b>	Coastal Birds Management Plan
<b>CLMP</b>	Closed Landfill Management Plan
<b>EAF</b>	Electric Arc Furnace

<sup>1</sup> These are the Scrap Yards authorised by the EAF Scrap Yard consent (BUN60422451)

<b>ITA</b>	Industrial and Trade Activities
<b>WMP</b>	Wetlands Management Plan
<b>WQMP</b>	Water Quality Management Plan

Existing Condition No #	Existing Condition	Proposed Condition	Proposed Condition No #	Comment or Change from existing condition (where applicable)																				
<b>Industrial and Trade Activities (ITA) Discharges (41027)</b>																								
<b>General conditions</b>																								
<b>ITA 1</b>	<p>The activity shall be carried out in accordance with the plans and all information submitted with the application, detailed below and all referenced by Council as 41027.</p> <ul style="list-style-type: none"> <li>• <i>Application Form, and Assessment of Effects</i> prepared by Tonkin and Taylor dated October 2012;</li> <li>• <i>New Section 10A to Application</i> prepared by NZ Steel and dated 20 June 2013.</li> </ul> <table border="1"> <thead> <tr> <th>Reference number</th> <th>Rev</th> <th>Title</th> <th>Architect/Author</th> <th>Dated</th> </tr> </thead> <tbody> <tr> <td>Fig 2</td> <td>0</td> <td>NZ Steel, Industrial or Trade Process Consent Application – Overall catchment plan</td> <td>HSJ</td> <td>Oct 2012</td> </tr> <tr> <td>Figures A-D</td> <td>0</td> <td>Stormwater Layout</td> <td>RBS</td> <td>Oct 2012</td> </tr> <tr> <td>DRG 6 No 1</td> <td>6</td> <td>Contractors Compound Roading and Carparks site plan and drainage</td> <td>P Liete</td> <td>June 2007</td> </tr> </tbody> </table>	Reference number	Rev	Title	Architect/Author	Dated	Fig 2	0	NZ Steel, Industrial or Trade Process Consent Application – Overall catchment plan	HSJ	Oct 2012	Figures A-D	0	Stormwater Layout	RBS	Oct 2012	DRG 6 No 1	6	Contractors Compound Roading and Carparks site plan and drainage	P Liete	June 2007	<p>The Consent Holder shall undertake the activity generally in accordance with the documentation submitted to Council as part of application [to be completed], where not amended by the conditions of this resource consent. This shall not preclude changes to plant, processes or activities where the effects on water quality are the same or similar in character, intensity, and scale to the effects described by the application documents.</p>	1	<p>General condition proposed to apply to all consents sought by this application.</p> <p>This condition is proposed to be amended to reflect current practice.</p> <p>The proposed wording is similar to the wording recommended in the Council's s42A hearing report for the replacement air discharge permit for consistency.</p>
Reference number	Rev	Title	Architect/Author	Dated																				
Fig 2	0	NZ Steel, Industrial or Trade Process Consent Application – Overall catchment plan	HSJ	Oct 2012																				
Figures A-D	0	Stormwater Layout	RBS	Oct 2012																				
DRG 6 No 1	6	Contractors Compound Roading and Carparks site plan and drainage	P Liete	June 2007																				
		<p>Council shall be permitted access to the relevant parts of the Site at all reasonable times, for the purpose of carrying out inspections, surveys, investigations, tests, measurements or taking samples whilst adhering to the Consent Holder's health and safety policy.</p>	2	<p>General condition proposed to apply to all consents sought by this application.</p> <p>The proposed wording is similar to the wording recommended in the Council's s42A hearing report for the replacement air discharge permit for consistency.</p>																				
		<p>The Consent Holder shall make records of inspections and maintenance activities for the water management system available for review by Council during visits to the Site, on request.</p>	3	<p>General condition proposed to apply to all consents sought by this application.</p> <p>This condition is proposed to be added to replace the requirement to provide details of inspections in the Annual Report (which is required in existing conditions), given the number of inspections undertaken and extent of maintenance activities relating to water management systems.</p>																				
<b>ITA 2</b>	<p>This consent (or any part thereof) shall not commence until such time as the following charges, which are owing at the time the Council's decision is notified, have been paid in full:</p>	<p>The Consent Holder shall pay the council an initial consent compliance monitoring charge of \$[insert amount] (inclusive of GST), plus any further monitoring charge or charges to recover the actual and reasonable costs</p>	4	<p>General condition proposed to apply to all consents sought by this application.</p>																				

Existing Condition No #	Existing Condition	Proposed Condition	Proposed Condition No #	Comment or Change from existing condition (where applicable)
	<p>(a) All fixed charges relating to the receiving, processing and granting of this resource consent under section 36(1) of the Resource Management Act 1991 (RMA); and</p> <p>(b) All additional charges imposed under section 36(3) of the RMA to enable the Council to recover its actual and reasonable costs in respect of this application, which are beyond challenge.</p>	<p>incurred to ensure compliance with the conditions attached to this consent.</p> <p><b>Advice Note:</b>  <i>The initial monitoring deposit is to cover the cost of inspecting the Site, carrying out tests, reviewing conditions, updating files, etc., all being work to ensure compliance with the resource consent. In order to recover actual and reasonable costs, monitoring of conditions, in excess of those covered by the deposit, shall be charged at the relevant hourly rate applicable at the time. The Consent Holder will be advised of the further monitoring charge. Only after all conditions of the resource consent have been met, will the council issue a letter confirming compliance on request of the Consent Holder.</i></p>		<p>This condition is proposed to be amended to reflect current practice.</p> <p>The proposed wording is similar to the wording recommended in the Council's s42A hearing report for the replacement air discharge permit for consistency.</p>
ITA 3	The consent holder shall pay any subsequent further charges imposed under section 36 of the RMA relating to the receiving, processing and granting of this resource consent within 20 days of receipt of notification of a requirement to pay the same, provided that, in the case of any additional charges under section 36(3) of the RMA that are subject to challenge, the consent holder shall pay such amount as is determined by that process to be due and owing, within 20 days of receipt of the relevant decision.			Existing Condition ITA 3 is proposed to be removed as it has been incorporated in Proposed General Condition 4.
ITA 4	<p>Under section 125 of the RMA, this consent lapses five years' after the date it is granted unless:</p> <p>(a) The consent is given effect to; or</p> <p>(b) The Council extends the period after which the consent lapses</p>			Not applicable. As this is an application for a replacement resource consent, and the activities sought to be authorised currently occur, there is no requirement for a section 125 lapse condition.
ITA 5	Divert and discharge stormwater/ Discharge of contaminated [sic] from an industrial or trade activity permit <b>41027</b> shall expire on <b>31 December 2021</b> unless it has lapsed, been surrendered or been cancelled at an earlier date pursuant to the RMA.	Under section 123 of the RMA, this consent expires on <b>[insert date] [35 years from commencement of consent]</b> , unless it has been surrendered or been cancelled at an earlier date pursuant to the Resource Management Act.	5	<p>General condition proposed to apply to all consents sought by this application.</p> <p>The proposed wording is the same as the wording recommended in the Council's s42A hearing report for the replacement air discharge permit for consistency.</p>
		<p>The Consent Holder must maintain, support the functions of, and meet the reasonable costs of an Environment Committee for the duration of the consent. The Consent Holder must extend invitations to join the Environment Committee and notify the Council of the names and professional affiliations of members. As far as practicable, the Environment Committee must comprise of at least one representative from each of the following:</p> <p>(a) Local residents from the Glenbrook and Waiuku area (which may be a representative of the Franklin Local Board).</p> <p>(b) Auckland Council Licensing and Regulatory Compliance (the Team Leader – Compliance Monitoring).</p> <p>(c) Auckland Regional Public Health Service.</p> <p>(d) Ngāti Tamaoho.</p> <p>(e) Ngāti Te Ata.</p> <p><b>Advice Note: Environment Committee</b>  <i>The established NZ Steel Environment Committee may perform the role of the Environment Committee in this condition. The members of the</i></p>	6	<p>General condition proposed to apply to all consents sought by this application.</p> <p>NZ Steel operates a long-established Environment Committee, and this is proposed to continue. Conditions are proposed to detail requirements associated with the Environment Committee in the consent, consistent with the approach taken in the application for the replacement air discharge permit.</p>



Existing Condition No #	Existing Condition	Proposed Condition	Proposed Condition No #	Comment or Change from existing condition (where applicable)
		<i>Environment Committee may change over time with notification to be provided to the Council.</i>		
		<p>The Consent Holder must use its best endeavours to ensure that the Environment Committee meets at least annually in November of each year. Any matters of concern raised by the Environment Committee regarding water discharges authorised by this consent and associated water quality effects must be recorded by the Consent Holder and notified to the Council within ten working days of the meeting. The Consent Holder shall, as a minimum, present the following information (from the Annual Report prepared in accordance with Condition 22) to the Environment Committee:</p> <ul style="list-style-type: none"> <li>(a) A summary of the water monitoring data collected in accordance with the water monitoring programme in the preceding 12 months;</li> <li>(b) A summary of any spills with potential to compromise compliance with the conditions of this consent which occurred within the preceding 12 months and the response which was undertaken;</li> <li>(c) Outline of any identified emerging trends with respect to the information presented in accordance with subclauses (a) and (b) above;</li> <li>(d) Outline of any environmental factors or operational events which may have affected the results; and</li> <li>(e) Summary of actions and outcomes taken in response to any exceedances of Consent Limits or Trigger Investigation Levels.</li> </ul> <p><b>Advice Note:</b> <i>Further meetings of the Environment Committee may also be held throughout the year.</i></p>	7	General condition proposed to apply to all consents sought by this application.
		<p>Under section 128 of the RMA, the conditions of this consent may be reviewed by the Manager Resource Consents at the Consent Holder's cost at five yearly intervals following the commencement of the consent to:</p> <ul style="list-style-type: none"> <li>(a) Deal with any significant adverse effect on the environment arising from the exercise of the consent, which was not foreseen at the time the application was considered, and which is appropriate to deal with at the time of the review.</li> <li>(b) Consider the adequacy of conditions which avoid, remedy and mitigate adverse effects beyond the boundary of the Site, particularly if regular or frequent complaints have been received and validated by an enforcement officer.</li> <li>(c) Require the Consent Holder to adopt the best practicable option to remove or reduce any adverse effect on the environment arising from the exercise of this consent.</li> <li>(d) Take into account any Act of Parliament, regulation, national policy statement, regional policy statement or relevant regional plan that relates to limiting, recording or mitigating emissions by this consent.</li> </ul> <p>Additionally, the conditions of this consent may be reviewed by the Manager Resource Consents at any time, if it is found that the</p>	8	<p>General condition proposed to apply to all consents sought by this application.</p> <p>The proposed wording has similar intent to the existing wording of the various existing section 128 review conditions, but has been updated for consistency with the approach taken in the Council's s42A hearing report for the replacement air discharge permit.</p>

Existing Condition No #	Existing Condition	Proposed Condition	Proposed Condition No #	Comment or Change from existing condition (where applicable)
		information made available to the Council in the application contained inaccuracies which materially influenced the decision and the effects of the exercise of the consent are such that it is necessary to apply more appropriate conditions.		
<b>Site management</b>				
ITA 6	The site(s) shall be operated and managed in accordance with the Site's existing Environmental Management System (EMS) to ensure the risks from the site are managed appropriately.	The activities authorised by this consent must be managed in accordance with the WQMP.	10	General condition proposed to apply to all consents sought by this application.  This condition is proposed to be amended to reflect current practice. The proposed wording is similar to the wording recommended in the Council's s42A hearing report for the replacement air discharge permit for consistency.
ITA 7	<p>The EMS shall be updated where and as required to include, but not be limited to:</p> <ul style="list-style-type: none"> <li>i) Identification of the new activities conducted on site.</li> <li>ii) The identification of potential contaminants associated with these activities.</li> <li>iii) An Emergency Spill Response Plan, which includes the provision that any spill of Environmentally Hazardous Substances that has entered the receiving environment, shall be reported immediately to the Auckland Council's 24 Hour Pollution Hotline (09-377-3107);</li> <li>iv) up-to-date and accurate site drainage plans showing the locations of all relevant infrastructure and final discharge point(s) of the stormwater system relating to this consent;</li> <li>v) appropriate auditing to ensure performance with all components relating to this consent;</li> <li>vi) methods for providing and recording staff training.</li> <li>vii) operations and maintenance procedures specific to this consent (as outlined/ detailed in <b>Condition 17</b>); and</li> <li>viii) a Stormwater Monitoring and Maintenance Programme specific to this consent (as outlined/detailed in <b>Condition 10</b>).</li> </ul> <p><i>Advice Note: The intent of <b>Condition 7(iii)</b> is that any spills with the potential to compromise compliance with the conditions of this consent (specifically condition 11) be reported as soon as practicable. This is additional to the reporting of sample results showing exceedance as per <b>conditions 13 and 14</b>.</i></p> <ul style="list-style-type: none"> <li>i) <i>Environmental Hazardous Substances are as defined in the AL WP — 'any material, chemical or substance in sufficient quantity or concentration that may result in more than minor adverse effects when released to the receiving environments [ . . . ]'.</i></li> </ul>	<p>Within 6 months of the date of commencement of this consent a Water Quality Management Plan (WQMP) must be submitted to the Council for certification. The Council will advise the Consent Holder in writing if any aspects of the WQMP are considered to be inconsistent with the conditions of this consent.</p> <p>The overall objective of the WQMP is to outline the practices and procedures to be adopted to ensure compliance with these consent conditions.</p> <p>The WQMP must include (but not be limited to) the following:</p> <ul style="list-style-type: none"> <li>(a) Identification of the key activities in the ITA Area which are potential sources of water discharges and their potential contaminants, including a map showing the location of each key activity and discharges locations.</li> <li>(b) Description of how the management and operational procedures, methodologies and contingency plans necessary to comply with the conditions of this consent are implemented by an Environmental Management System (compliant with ISO 14001 or equivalent) that includes: <ul style="list-style-type: none"> <li>(i) Procedures to manage environmental risks associated with the activities identified in (a) above; and</li> <li>(ii) An Emergency Spill Response Plan, which includes provision that any spill of Environmentally Hazardous Substances that has entered the receiving environment shall be reported immediately to the Auckland Council's 24 Hour Pollution Hotline (09-377-3107).</li> </ul> </li> <li>(c) Actions that will be taken in response to any exceedance of Trigger Investigation Levels and to any incidents which could result in non-compliance with a condition of this consent;</li> <li>(d) Incident reporting procedures relating to non-compliance and Trigger Investigation Levels;</li> <li>(e) Appropriate auditing to ensure performance with conditions relating to this consent;</li> <li>(f) Identification of relevant employee roles and responsibilities in relation to the WQMP;</li> </ul>	9	<p>General condition proposed to apply to all consents sought by this application.</p> <p>Existing Condition ITA 7 has been amended to make provision for the WQMP, while incorporating the items from Existing Condition ITA 7 that remain relevant. Relevant aspects of Existing Conditions NS and SS 4.1 and DP 4.1 have also been incorporated.</p> <p>Clause (h) requires a management of change process, consistent with the wording recommended in the Council's s42A hearing report for the replacement air discharge permit.</p> <p>Clauses (j) to (m) specify the programmes, review and reporting that are required by other conditions that will form part of the WQMP.</p> <p>Clause n) has been added to reflect the additional procedures to be covered (set out in proposed Conditions 13H, 13I and 13J) in the event that an EAF is operated.</p>

Existing Condition No #	Existing Condition	Proposed Condition	Proposed Condition No #	Comment or Change from existing condition (where applicable)
		<p>(g) Description of how training and competency checks are to be provided for personnel undertaking activities and tasks referenced or referred to in the WQMP;</p> <p>(h) Description of the management of change process for any material modification to the processes and activities set out in the consent holder’s application for this consent, including assessment of whether changes ensure the effects are the same or similar in character, intensity, and scale to the effects described by the application documents (Condition 1).</p> <p>(i) Description of the review process for the WQMP, as set out in Condition 12;</p> <p>(j) Outline of the operation and maintenance practices as required by Condition 15;</p> <p>(k) Outline of the chemical treatment programme as required by Condition 16;</p> <p>(l) Outline of the water monitoring programme as required by Condition 17; and</p> <p>(m) Requirements for reporting (including timing) in accordance with the conditions of this consent including:</p> <ul style="list-style-type: none"> <li>(i) Annual Report; and</li> <li>(ii) Five Yearly report.</li> </ul> <p>(n) Methods to comply with Conditions 13H, 13I and 13J (if an EAF is operated at the Site).</p> <p><b>Advice Note:</b>  <i>The council acknowledges that the WQMP is intended to provide flexibility both for the consent holder and the council for the management of the water discharges. Accordingly, the WQMP may need to be reviewed over time. Any reviews should be in accordance with the stated objectives of the management plan and limited to the scope of this consent.</i></p> <p><i>Certification of the WQMP by the council relates only to those aspects of the management plan that are relevant under the RMA. The certification does not amount to an approval or acceptance of suitability by the council of any elements of the management plan that relate to other legislation, for example, but not limited to, the Building Act 2004 or the Health and Safety at Work Act 2015.</i></p>		
<p><b>ITA 8</b></p>	<p>The relevant sections of the Environmental Management System as they relate to specific activities authorised by this consent shall be kept on site and accessible <b>at all times</b>.</p> <p><i>Advice Note: The provision of an EMS relates to all aspects of the sites operations. Within the EMS are SOP’s that relate to specific activities in specific areas of the site. <b>Condition 8</b> requires that the relevant SOP’s for the areas activities subject to this consent are kept in the relevant activity areas, regardless of location on site.</i></p>	<p>A copy of the WQMP shall be held on Site at all times and made readily available to all personnel with responsibilities defined in the WQMP.</p>	<p>11</p>	<p>General condition proposed to apply to all consents sought by this application.</p> <p>This condition is proposed to be amended to reflect current practice in the Auckland Council Conditions Manual, as well as to include a requirement that the WQMP be readily available to relevant personnel.</p>

Existing Condition No #	Existing Condition	Proposed Condition	Proposed Condition No #	Comment or Change from existing condition (where applicable)
ITA 9	<p>The components of the Environmental Management System relevant to this consent shall be reviewed and updated annually from the date of granting of this consent, to ensure all components are still relevant.</p> <p><i>Advice Note: A summary of all revisions and the revised sections shall be submitted as part of the Annual Report required by <b>Condition 20</b> and in line with the reporting requirements of permits 21575, 21577 and 34 754 being 1 August.</i></p>	<p>The WQMP must be reviewed:</p> <ul style="list-style-type: none"> <li>(i) At least on a <b>five yearly</b> basis; and</li> <li>(ii) Prior to any material changes to any activities.</li> </ul> <ul style="list-style-type: none"> <li>(a) Any changes to the WQMP made following a review under (i) or (ii) above must be submitted to the Council for review.</li> <li>(b) Material changes include, but are not limited to, any proposed changes to the raw materials, stored materials, processes, or water management system that may have a significant effect on the quantity or quality of the authorised discharge.</li> <li>(c) The Council will advise the Consent Holder in writing if any aspects of the WQMP are considered to be inconsistent with the conditions of this consent.</li> </ul>	12	<p>General condition proposed to apply to all consents sought by this application.</p> <p>Existing Condition ITA 9 has been amended to refer to the WQMP, and to incorporate a similar approach to that taken in the Council’s s42A hearing report for the replacement air discharge permit. It has also been amended to add wording from Existing Conditions NS 3.5 and SS 3.4.</p>
		<p>Prior to the establishment of any industrial or trade activities within the Future ITA Areas, the Consent Holder shall provide the following information to Council for review:</p> <ul style="list-style-type: none"> <li>(a) Information on the nature of the activities, their potential contaminants and the location of each activity and discharges;</li> <li>(b) Information on the management and operational procedures, methodologies and contingency plans necessary to comply with the conditions of this consent, including procedures to manage environmental risks associated with the activities; and</li> <li>(c) Information on any additional monitoring locations and the proposed monitoring programme and Trigger Investigation Levels.</li> </ul> <p>The Council will advise the Consent Holder in writing within ten working days of receipt of the above information if it considers if any aspects of the new activity/ activities within the Future ITA Areas are considered to be inconsistent with the conditions of this consent.</p> <p>Unless the Consent Holder receives such notice, the new activity/ activities shall be deemed to be in accordance with this consent, and the information outlined in (a) to (c) above shall be incorporated into an updated WQMP prior to any new discharges from the activities. If Council notifies the Consent Holder of any inconsistencies, the Consent Holder shall review the proposed new activity/ activities and (to the extent necessary) provide further information to Council to establish consistency with this consent.</p>	13	<p>General condition proposed to apply to all consents sought by this application.</p>
		<p>Following two years of the establishment of any ITA activities within Future ITA Areas and/or the placement of External Scrap in any of the Scrap Yards, the two years of monitoring data related to the new activity shall be reviewed to identify any changes required to the water monitoring programme, specifically the sampling locations, monitoring parameters, frequency of sampling and Trigger Investigation Levels, set out in the WQMP (required by Condition 9). Any changes to the WQMP made as a result of this review, must be submitted to the Council for review within three months (that is, two years and three months from the commencement of the new activity).</p>	13K	<p>A new proposed condition requiring the review of two years of monitoring data following the establishment of a new activity (either in the Future ITA Areas and/or the placement of External Scrap in the Scrap Yards) and the need for any updates to the WQMP if required.</p>

Existing Condition No #	Existing Condition	Proposed Condition	Proposed Condition No #	Comment or Change from existing condition (where applicable)
		In the period between the grant of the consent and the certification of the WQMP, the Consent Holder shall operate and maintain the water management system in accordance with site management practices that were in place prior to the grant of this consent, as required under the Replaced Consents.	14	General condition proposed to apply to all consents sought by this application.
		In the event that the Consent Holder operates an EAF, Conditions 13B to 13K shall apply to the associated Scrap Yards and External Scrap.	13A	New proposed overview condition for the new conditions relating to the Scrap Yards and External Scrap, should an EAF be operated.
		<p>The WQMP (required by Condition 9) shall include the following information prior to the placement of any External Scrap within the Scrap Yards.</p> <ul style="list-style-type: none"> <li>(a) Details of the Scrap Yards, including: <ul style="list-style-type: none"> <li>(i) Locations and catchment areas of the Scrap Yards,</li> <li>(ii) Locations and calculations of associated treatment devices</li> <li>(iii) Drainage plan and discharge locations.</li> </ul> </li> <li>(b) Identification of employee roles and responsibilities in relation to the Scrap Yards.</li> <li>(c) Description of the external scrap acceptance procedures and protocols as required by Condition 13J.</li> <li>(d) Description of the procedural and physical controls including Scrap Yard management and stormwater management and treatment to manage discharges to land and water associated with the scrap yard activities.</li> <li>(e) Description of the proposed monitoring programme applicable to the Scrap Yards, including any additional monitoring locations and proposed Trigger Investigation Levels.</li> </ul> <p><b>Advice Note:</b> In the event that the Scrap Yards authorised by this Consent have been established under the EAF Scrap Yards consent (ref: BUN60422451), the Ferrous Scrap Management Plan required by Condition 5 of that consent shall be incorporated in the WQMP.</p>	13H	New condition for Scrap Yards, this is consistent with the Ferrous Scrap Management Plan requirements included in conditions for the EAF Scrap Yards resource consent.
		All External Scrap used shall be kept as far as practicable free from radioactive materials and materials that could give rise to hazardous substances, as listed in the WQMP, including free liquids (including chemicals or oils), lead, mercury, chlorinated plastic, asbestos, wood and putrescible materials (collectively referred to as 'Specified Materials').	13I	NZ Steel proposes Condition 13I to ensure that all External Scrap (to be fed into the EAF) is managed to minimise contaminants. This condition relates to proposed Condition 13J which sets out procedures that NZ Steel will apply in managing the quality of external scrap. Note: this condition is consistent with proposed condition 14A of the Site's air discharge consent, which is currently subject to a proposed consent order before the Environment Court.
		<p>The Consent Holder will undertake the following, as set out in the WQMP, to exclude, as far as practicable, the presence of Specified Materials (Condition 13I) within the External Scrap:</p> <ul style="list-style-type: none"> <li>a. Establish protocols requiring suppliers to: <ul style="list-style-type: none"> <li>i Prepare and maintain an Inspection and Verification Plan that describes the engineering and management controls</li> </ul> </li> </ul>	13J	NZ Steel proposes Condition 13J, which sets out the management procedures that will be included within the WQMP to provide robustness and certainty around the quality of externally sourced scrap that will arrive on site and subsequently be used in the steel making process. Note: this condition is consistent with



Existing Condition No #	Existing Condition	Proposed Condition	Proposed Condition No #	Comment or Change from existing condition (where applicable)
		<p>to exclude, as far as practicable, materials identified on the Specified Materials List; and</p> <p>ii Participate in audits of engineering and management controls as set out in the Inspection and Verification Plan.</p> <p>b. Retain a record of audits undertaken and provide audit records to the Council on request.</p> <p>c. Install radiation detector(s) at the Site and ensure that each load is screened for radiation. If a positive result is obtained, the load will be isolated and managed in accordance with requirements set out in the WQMP.</p> <p>d. Perform a visual inspection of each load of External Scrap when delivered to the Site to, as far as is reasonably practical, inspect for Specified Materials. If Specified Materials are observed, the load will be managed in accordance with the WQMP including being isolated for sorting or returned to the Supplier.</p>		proposed condition 14B of the Site's air discharge consent, which is currently subject to a proposed consent order before the Environment Court. In particular, the requirement sets out in (a)-(d) are exactly the same as the air condition for consistency. While (c) is not considered necessary to address an actual or potential effect in relation to water it has been retained for consistency with the air permit.
<b>Stormwater Monitoring and Management – (SMMP)</b>				
<b>ITA 10</b>	<b>Within 90 days</b> of granting of this consent, the Stormwater Monitoring and Management Programme for the site shall be confirmed, to assess the ongoing adequacy of the structural and procedural controls subject to this consent and shall be submitted to the Team Leader — Stormwater. Natural Resources and Specialist input.			Existing Condition ITA 10 is proposed to be removed as it has been incorporated in Proposed General Condition 9.
<b>ITA 11</b>	<p>The Stormwater Monitoring and Management Programme shall include, but not be limited to:</p> <p>i. Sampling location for final discharges from the site;</p> <p>ii. Additional sampling locations on site (i.e. swale inlets, outlets of associated treatment devices etc.);</p> <p>iii. Methods and procedures for stormwater discharge sampling, including detail of sampling frequency (minimum of a quarterly basis);</p> <p>iv. initial Monitoring parameters for analysis shall include:</p> <ul style="list-style-type: none"> <li>• Total Suspended Solids mg/L</li> <li>• pH</li> <li>• Copper (total) mg/L</li> <li>• Zinc (total) mg/L</li> <li>• Lead (total) mg/L</li> <li>• Chromium (total) mg/L</li> <li>• Nickel (total) mg/L</li> <li>• Iron mg/L</li> <li>• Boron mg/L</li> <li>• Aluminium mg/L</li> <li>• Total Petroleum Hydrocarbons mg/L</li> </ul> <p>v. Identified trigger levels for each of the above parameters based on previous sample results and with reference to the ANZECC Guidelines for water quality where applicable.</p>	<p>The water monitoring programme shall be designed to enable the Consent Holder to assess:</p> <p>a. Sediment quality, benthic community health, and shellfish contaminant loads within the Coastal Marine Area (within and outside the mixing zone);</p> <p>b. Contaminant concentrations within the North Drain, Ruakohua Stream and Kahawai Stream;</p> <p>c. Contaminant loads from the process water and ITA stormwater discharge locations (including the Scrap Yards, Dewatering Plant, Northside and Southside Outfalls).</p> <p>The water monitoring programme shall include, but not be limited to:</p> <p>i. Sampling locations, which shall include as a minimum those shown on Figure 1;</p> <p>ii. Monitoring parameters for analysis, and frequency for sampling, including the parameters and frequencies specified in Schedule 1 as a minimum;</p> <p>iii. Methods and procedures for sampling, sample collection, and laboratory analysis;</p> <p>iv. Consent limits, as detailed in Schedule 1;</p> <p>v. Process for developing, setting and method for review of Trigger Investigation Levels, including a requirement to review Trigger Investigation Levels in the event that any relevant guideline values change; and</p> <p>vi. Trigger Investigation Levels set in accordance with (v), for all parameters in Table 1 and Table 2 of Schedule 1.</p>	17	<p>General condition proposed to apply to all consents sought by this application.</p> <p>Existing Condition ITA 11 has been amended to incorporate the relevant monitoring related items from Existing Conditions ITA 11, NS and SS 4.1 and DP 4.1.</p>

Existing Condition No #	Existing Condition	Proposed Condition	Proposed Condition No #	Comment or Change from existing condition (where applicable)
	<p>vi. The methods and procedures for investigating and reporting stormwater discharge monitoring results and exceedances of identified target levels to the Team Leader — Stormwater, Natural Resources and Specialist Input.</p> <p><i>Advice Note: <b>condition (i)</b> refers to the final discharge point from the site to the receiving environment and is the location where exceedances are reported to council (as per consent 21577, 5. 4c — incident report). <b>Condition (ii) and (v)</b> refers to discharges in site that act for NZ Steel to undertake internal investigation to locate source/manage as per EMS.</i></p>	<p>As a minimum, the sampling locations, monitoring parameters, frequency of sampling and Trigger Investigation Levels specified in this condition shall apply for at least two years following commencement of this Consent, unless changes are agreed with Council.</p> <p>Thereafter, any changes to the monitoring programme shall be undertaken in accordance with Condition 12.</p>		
		<p>If continuous monitoring for turbidity (daily average) or the daily composite sample results obtained at Site 1 exceed the Trigger Investigation Levels and no immediate source of the exceedance is identified, additional grab samples shall be taken as soon as practicable from the Coal Yard 19 Pond, CY1/2 East Pond, Y56K Pond, Dewatering Plant, and any future North Drain ITA discharge point and an investigation into the potential source shall be undertaken in accordance with the WQMP.</p>	19	General condition proposed to apply to all consents sought by this application.
ITA 12	The Stormwater Monitoring and Management Programme shall be implemented within <b>30 days</b> from granting of this consent.			It is proposed to replace Existing Condition ITA 12 with Proposed General Condition 10 which requires the activities authorised by this consent to be managed in accordance with the WQMP.
ITA 13	Within <b>3 days</b> of samples in excess of agreed target at final discharge points (as identified in <b>condition (11(i))</b> ) a preliminary incident report shall be prepared and provided to Team Leader — Stormwater, NRSI.			It is proposed to replace Existing Condition ITA 13 with Proposed General Condition 9 which requires the WQMP to set out requirements for incident reporting.
ITA 14	<p>The incident report shall provide details of:</p> <ul style="list-style-type: none"> <li>i. The time, duration, nature and cause of the incident</li> <li>ii. The volume of stormwater/waste water discharges that did not comply with the agreed target limits</li> <li>iii. The actions taken to avoid, remedy or mitigate the effects</li> <li>iv. An initial assessment of the environmental impact of the non-complying discharge.</li> </ul> <p><i>Advice Note: <b>Conditions 13-14</b> refer specifically to the reporting of sample result exceedances. Any spills to the receiving environment are to be reported in accordance with SOPS as per condition 7(iii).</i></p>			It is proposed to replace Existing Condition ITA 14 with Proposed General Condition 9 which requires the WQMP to set out requirements for incident reporting.
<b>Stormwater Management System (changes)</b>				
ITA 15	<p>Any amendments to the stormwater management system that may reduce its capacity or performance to below the level described in the application, or the levels agreed in the stormwater monitoring and management programme (whichever is the greater), shall be submitted to and approved by the Team Leader Stormwater - Natural Resources and Specialist Input in writing prior to their implementation, and shall include:</p> <ul style="list-style-type: none"> <li>i. Plans and drawings outlining the details of the modifications; and</li> </ul>			It is proposed to replace Existing Condition ITA 15 with Proposed General Condition 12 which requires the WQMP to be reviewed in the event of any material changes to any activities in the ITA Area.

Existing Condition No #	Existing Condition	Proposed Condition	Proposed Condition No #	Comment or Change from existing condition (where applicable)
	ii. Supporting information that details how the proposal does not affect the capacity or performance of stormwater management system.			
ITA 16	<b>Within 30 days</b> of practical completion of any stormwater management system, works undertaken through <b>condition 15</b> , the relevant documentation shall be added to the consent holder's EMS to satisfy the requirements of <b>condition 7(iv)</b> .			It is proposed to replace Existing Condition ITA 16 with Proposed General Condition 12 which requires the WQMP to be reviewed prior to any material changes to any activities in the ITA Area.
	<i>Advice note: All proposed changes must be discussed with the Team Leader — Stormwater, Natural Resources and Specialist Input, prior to implementation. Any changes to the proposal which will affect the capacity of performance of the stormwater system or will result in a change to the conditions of this consent will require an application to be made in accordance with Section 127 of the RMA.</i>			It is proposed to replace Existing Condition ITA 16 with Proposed General Condition 12, and therefore the Advice Note to Existing Condition ITA 16 is not required.
<b>Operation and Maintenance</b>				
ITA 17	The consent holder shall implement and manage the onsite stormwater management system in accordance with an Operation and Maintenance Plan to ensure the system operates effectively at all times. The Operation and Maintenance Plan shall include the following but is not limited to: <ul style="list-style-type: none"> <li>i) A programme for regular maintenance and inspection of the stormwater management system;</li> <li>ii) A programme for the collection and disposal of debris and sediment collected by the stormwater management devices or practices;</li> <li>iii) A programme for post storm maintenance;</li> <li>iv) A programme for inspection and maintenance of outfall erosion;</li> <li>v) General inspection checklists for all aspects of the stormwater management system, including visual checks;</li> <li>vi) A program for inspection and maintenance of vegetation associated with the stormwater management devices; and</li> <li>vii) Details of who will hold responsibility for long-term maintenance of the stormwater management system and the organisational structure which will support this process.</li> </ul>	Following its certification, the Consent Holder shall operate and maintain the water management system as outlined in the WQMP, to ensure the system operates effectively at all times in order that: <ul style="list-style-type: none"> <li>(a) Discharges authorised by this consent are below Consent Limits as set out in Schedule 1; and,</li> <li>(b) Exceedances of Trigger Investigation Levels are minimised.</li> </ul> The operation and maintenance programme shall include the following, but is not limited to: <ul style="list-style-type: none"> <li>(i) Regular preventative maintenance, repair and inspection programme for the water management devices;</li> <li>(ii) Cleaning of water management devices;</li> <li>(iii) Post storm inspection and maintenance;</li> <li>(iv) Inspection, repair and preventative maintenance of outfall structures;</li> <li>(v) Inspection and maintenance of vegetation associated with the water management devices; and</li> <li>(vi) Roles and responsibilities for maintenance of the water management system.</li> </ul>	15	General condition proposed to apply to all consents sought by this application.  Existing Condition ITA 17 has been amended to incorporate the relevant operation and maintenance related items from Existing Conditions ITA 17, and to amend wording to refer to the water management system, rather than stormwater management system, so that the WQMP addresses operational and maintenance matters that were previously addressed by specific conditions on the Northside, Southside and Dewatering Plant permits.
ITA 18	An amended operation and maintenance plan to cover the works in <b>conditions 15 and 16</b> will be submitted to and approved by Team Leader — Stormwater, Natural Resources and Specialist Input, in writing prior to implementation.			It is proposed to replace Existing Condition ITA 18 with Proposed General Condition 12 which requires the WQMP to be reviewed prior to any material changes to any activities in the ITA Area.
<b>Scrap Yards Structural Controls (Conditions 13B – 13G only apply to the construction of the Scrap Yards should they not be constructed under BUN60422451)</b>				
<b>Advice Note:</b> Conditions 13B to 13G (shaded grey) apply to the construction of the Scrap Yards and include all stormwater works required to be undertaken in order to prepare the Scrap Yards to accept External Scrap. Once the Scrap Yards become operational, these conditions will no longer apply.				



Existing Condition No #	Existing Condition	Proposed Condition	Proposed Condition No #	Comment or Change from existing condition (where applicable)																								
		<p>The following stormwater management works shall be constructed, for the following Scrap Yard ITA catchment areas and design requirements, except that only one of Option 1 or Option 2 shall be constructed. The works shall be operational prior to the acceptance of External Scrap to the corresponding catchment.</p> <table border="1" data-bbox="1291 485 1976 1514"> <thead> <tr> <th data-bbox="1291 485 1436 548">Scrap Yard ITA Area</th> <th data-bbox="1436 485 1623 548">Treatment</th> <th data-bbox="1623 485 1751 548">Design flows</th> <th data-bbox="1751 485 1976 548">Design requirement(s)</th> </tr> </thead> <tbody> <tr> <td data-bbox="1291 548 1436 789">Local Yard - North</td> <td data-bbox="1436 548 1623 789">Downstream defender, ESK™, Wetland/sandfilter</td> <td data-bbox="1623 548 1751 789">90th Percentile rain event</td> <td data-bbox="1751 548 1976 789">Stormwater Management Devices in the Auckland Region (GD01) (2017) and Stormwater Management Devices: Design guidelines manual (TP10) (2003) for a sandfilter.</td> </tr> <tr> <td data-bbox="1291 789 1436 1016">Local Yard – South</td> <td data-bbox="1436 789 1623 1016">Downstream defender, ESK™, Wetland/sandfilter</td> <td data-bbox="1623 789 1751 1016">90th Percentile rain event</td> <td data-bbox="1751 789 1976 1016">Stormwater Management Devices in the Auckland Region (GD01) (2017) and Stormwater Management Devices: Design guidelines manual (TP10) (2003) for a sandfilter.</td> </tr> <tr> <td data-bbox="1291 1016 1436 1266">Yard A</td> <td data-bbox="1436 1016 1623 1266">Downstream defender, ESK™, Wetland/sandfilter</td> <td data-bbox="1623 1016 1751 1266">90th Percentile rain event</td> <td data-bbox="1751 1016 1976 1266">Stormwater Management Devices in the Auckland Region (GD01) (2017) and Stormwater Management Devices: Design guidelines manual (TP10) (2003) for a sandfilter.</td> </tr> <tr> <td data-bbox="1291 1266 1436 1388">Buffer Scrap Yard - Option 1</td> <td data-bbox="1436 1266 1623 1388">Hydrocarbon Booms, Sediment pond + Wetland</td> <td data-bbox="1623 1266 1751 1388">90th Percentile rain event</td> <td data-bbox="1751 1266 1976 1388">Stormwater Management Devices in the Auckland Region (GD01) (2017);</td> </tr> <tr> <td data-bbox="1291 1388 1436 1514">Buffer Scrap Yard - Option 2</td> <td data-bbox="1436 1388 1623 1514">Hydrocarbon booms, Sediment Pond + Wetland</td> <td data-bbox="1623 1388 1751 1514">90th Percentile rain event</td> <td data-bbox="1751 1388 1976 1514">Stormwater Management Devices in the Auckland Region (GD01) (2017);</td> </tr> </tbody> </table>	Scrap Yard ITA Area	Treatment	Design flows	Design requirement(s)	Local Yard - North	Downstream defender, ESK™, Wetland/sandfilter	90th Percentile rain event	Stormwater Management Devices in the Auckland Region (GD01) (2017) and Stormwater Management Devices: Design guidelines manual (TP10) (2003) for a sandfilter.	Local Yard – South	Downstream defender, ESK™, Wetland/sandfilter	90th Percentile rain event	Stormwater Management Devices in the Auckland Region (GD01) (2017) and Stormwater Management Devices: Design guidelines manual (TP10) (2003) for a sandfilter.	Yard A	Downstream defender, ESK™, Wetland/sandfilter	90th Percentile rain event	Stormwater Management Devices in the Auckland Region (GD01) (2017) and Stormwater Management Devices: Design guidelines manual (TP10) (2003) for a sandfilter.	Buffer Scrap Yard - Option 1	Hydrocarbon Booms, Sediment pond + Wetland	90th Percentile rain event	Stormwater Management Devices in the Auckland Region (GD01) (2017);	Buffer Scrap Yard - Option 2	Hydrocarbon booms, Sediment Pond + Wetland	90th Percentile rain event	Stormwater Management Devices in the Auckland Region (GD01) (2017);	13B	New condition that is largely consistent with the equivalent EAF Scrap Yards resource consent condition
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		<p>Prior to construction, the Consent Holder may modify the stormwater management works outlined in Condition 13B provided:</p> <ul style="list-style-type: none"> <li>(a) the modification does not reduce the capacity or performance of the stormwater management system outlined in Condition 13B; and</li> <li>(b) prior to commencement of construction of the modified works the Consent Holder provides Team Leader Southern Monitoring with the following information: <ul style="list-style-type: none"> <li>(i) Plans and drawings outlining the details of the modifications; and</li> </ul> </li> </ul>	13C	New condition that is largely consistent with the equivalent EAF Scrap Yards resource consent condition																								

Existing Condition No #	Existing Condition	Proposed Condition	Proposed Condition No #	Comment or Change from existing condition (where applicable)
		(ii) A report from a suitable qualified and experienced person that confirms that the modifications meet the requirements of (a) above.		
		A pre-construction meeting shall be held on-site by the Consent Holder, prior to commencement of construction works associated with the stormwater management works referred to in Condition 13B. The pre-construction meeting shall: <ul style="list-style-type: none"> <li>(a) Be arranged no less than five working days prior to commencement of the construction works (or part thereof) of any stormwater devices on the site;</li> <li>(b) Be held at the subject area;</li> <li>(c) Include inviting representation from the Team Leader Southern Monitoring; and</li> <li>(d) includes attendance from representatives of the site stormwater engineer, and contractors who will undertake the works.</li> </ul>	13D	New condition that is largely consistent with the equivalent EAF Scrap Yards resource consent condition
		The following information shall be made available prior to, or at the pre-construction meeting: <ul style="list-style-type: none"> <li>(a) construction timeframes for the stormwater management works authorised under this consent;</li> <li>(b) contact details of the site contractor and site stormwater engineer; and</li> <li>(c) preliminary drainage plans; and</li> <li>(d) planting plan (where applicable).</li> </ul>	13E	New condition that is largely consistent with the equivalent EAF Scrap Yards resource consent condition.
		Within <b>20 working days</b> of completion of the stormwater management works (or part thereof) the Consent Holder shall convene a post-construction meeting that: <ul style="list-style-type: none"> <li>(a) is located on the subject area;</li> <li>(b) includes inviting representation from the Team Leader Southern Monitoring; and</li> <li>(c) includes attendance from representatives of the site stormwater engineer, contractors who have undertaken the works and any other relevant parties.</li> </ul> <p><b>Advice Note:</b>  <i>To arrange the construction meetings required by this consent, please contact the Team Leader Southern Monitoring on 09 301 0101 or <a href="mailto:monitoring@aucklandcouncil.govt.nz">monitoring@aucklandcouncil.govt.nz</a>.</i></p>	13F	New condition that is largely consistent with the equivalent EAF Scrap Yards resource consent condition.
		<b>Certification of As-Built Plans</b> As-Built certification and plans of the stormwater management works, which are certified (signed) by a suitably qualified registered surveyor as a true record of the stormwater management system, shall be provided to the Team Leader Southern Monitoring for approval no less than 5 working days prior to the post-construction meeting required by Condition 13F.	13G	New condition that is largely consistent with the equivalent EAF Scrap Yards resource consent condition.

Existing Condition No #	Existing Condition	Proposed Condition	Proposed Condition No #	Comment or Change from existing condition (where applicable)
		<p>The As-Built plans shall display the entirety of the stormwater management system associated with the works, and shall include:</p> <ul style="list-style-type: none"> <li>(a) the surveyed location (to the nearest 0.1m) and level (to the nearest 0.01m) of the discharge structure, with co-ordinates expressed in terms of NZTM and LINZ datum;</li> <li>(b) plans and cross sections of all stormwater management devices, including confirmation of the Water Quality Volume, storage volumes and levels of any outflow control structure;</li> <li>(c) identification of any modifications made in accordance with Condition 13C.</li> </ul>		
<b>Coastal Birds Management Plan</b>				
		<p><b>Within six months</b> of commencement of this consent, a Coastal Birds Management Plan (CBMP) shall be prepared by the Consent Holder and submitted to the Council for certification.</p> <p>The overall objective of the CBMP is to describe the coastal bird habitat restoration and enhancement measures that are to be implemented to ensure that the project has overall positive effects on coastal birds. The CBMP shall be developed generally in accordance with the draft CBMP submitted with the application documents.</p> <p>The CBMP must include, but not be limited to:</p> <ul style="list-style-type: none"> <li>(a) Identification of the area/s for coastal bird compensation activities, including a map showing the location/s;</li> <li>(b) Description of the compensation measures to be implemented, including details of scope, methodology and timing;</li> <li>(c) Details of maintenance to be undertaken on an ongoing basis to support compensation activities undertaken, including animal and plant pest control;</li> <li>(d) Details on how the Consent Holder will assess the effectiveness of the compensation. This shall include a monitoring programme that sets out baseline monitoring prior to the commencement of compensation measures, monitoring post commencement of compensation measures, and the duration of the monitoring programme;</li> <li>(e) Process for reviewing and amending the CBMP, including review and amendment of the monitoring programme;</li> <li>(f) Reporting requirements for reporting implementation of the CBMP, including compensation activities, maintenance, and monitoring; and</li> <li>(g) Identification of relevant employee roles and responsibilities in relation to the CBMP.</li> </ul>	20	<p>General condition proposed to apply to all consents sought by this application.</p> <p>This condition is proposed to be included to set out requirements in relation to the CBMP.</p> <p>The condition includes a requirement that the CBMP be developed generally in accordance with the draft CBMP.</p>

Existing Condition No #	Existing Condition	Proposed Condition	Proposed Condition No #	Comment or Change from existing condition (where applicable)
<b>Wetlands Management Plan</b>				
		<p><b>Augier Condition: Within six months</b> of commencement of this consent, a Wetlands Management Plan (WMP) shall be prepared by the Consent Holder and submitted to the Council for information.</p> <p>The overall objective of the WMP is to describe the Consent Holder's proposed wetland enhancement measures that are to be implemented generally in accordance with the draft WMP submitted with the application documents.</p> <p>The WMP must include, but not be limited to:</p> <ul style="list-style-type: none"> <li>(a) Identification of the area/s for wetland enhancement activities, including a map showing the location/s;</li> <li>(b) Description of the enhancement measures to be implemented, including details of scope, methodology and timing;</li> <li>(c) Details of maintenance to be undertaken on an ongoing basis to support enhancement activities undertaken, including animal and plant pest control;</li> <li>(d) Description of a monitoring programme that sets out baseline monitoring prior to the commencement of enhancement measures, monitoring post commencement of enhancement measures, and the duration of the monitoring programme;</li> <li>(e) Process for reviewing and amending the WMP, including review and amendment of the monitoring programme;</li> <li>(f) Reporting requirements for reporting implementation of the WMP, including enhancement activities, maintenance, and monitoring; and</li> </ul> <p>Identification of relevant employee roles and responsibilities in relation to the WMP.</p> <p><b>Advice Note:</b> This condition was offered by the Consent Holder on an <i>Augier</i> basis under section 108AA(1)(a). It is not required nor directly connected to any adverse effects of the activities authorised by this consent.</p>	21	<p>General condition proposed to apply to all consents sought by this application.</p> <p>This condition is proposed to be included to set out requirements in relation to the WMP.</p> <p>The condition includes a requirement that the WMP be developed generally in accordance with the draft WMP.</p>
<b>Reporting Requirements</b>				
ITA 19	<p>A report evaluating the site's environmental performance shall be submitted <b>annually</b> to the Team Leader — Stormwater, Natural Resources and Specialist Input on or before the date specified in the Stormwater Monitoring and Management Programme.</p> <p><i>Advice Note: The Annual Report required by this consent will form part of the overall reporting requirements of permits 21575, 21577 and 34754, which are currently reported on or before 1 August.</i></p>	<p>An Annual Report providing details relating to treated process water and ITA stormwater discharges shall be submitted <b>annually</b> to the Council on or before the date specified in the WQMP.</p>	22	<p>General condition proposed to apply to all consents sought by this application.</p> <p>The condition is proposed to be amended to reflect the proposed change to reporting to include an Annual Report, and a Five Yearly Report, and an associated change in focus for the Annual Report from evaluation to provision of information.</p>

Existing Condition No #	Existing Condition	Proposed Condition	Proposed Condition No #	Comment or Change from existing condition (where applicable)
ITA 20	<p>The Annual Report shall include, but not be limited to:</p> <ul style="list-style-type: none"> <li>i) a summary description of all revisions to the environmental management system (including the Stormwater Monitoring and Management Programme) relating specifically to the implementation of this consent for the preceding <b>12 months</b>;</li> <li>ii) a summary description of all revisions to the environmental management system (including the Stormwater Monitoring and Management Programme) relating specifically to the implementation of this consent for the preceding <b>12 months</b>;</li> <li>iii) details of all inspections and maintenance of the stormwater system for the preceding <b>12 months</b>;</li> <li>iv) details of and changes to the person(s) or body responsible for maintenance of site and the organisations structure supporting this process;</li> <li>v) results and analysis of the preceding <b>12 months</b> stormwater monitoring, along with an interpretation of those results and suggestions for improvement to the site operations in relation to; <ul style="list-style-type: none"> <li>a. the stormwater management and treatment system,</li> <li>b. operations and maintenance procedures including detail of any, environmental factors or operational events which may have affected the results.</li> </ul> </li> <li>vi) summary of any spills or incidents with potential to compromise compliance with the conditions of this consent which occurred within the preceding <b>12 months</b>; and the response which was undertaken.</li> <li>vii) options for improvement to the site (structural or procedural as required) in light of the monitoring results from <b>condition 19(i) and 19(vi)</b>.</li> </ul>	<p>The Annual Report shall include, but not be limited to:</p> <ul style="list-style-type: none"> <li>(a) A summary description of all revisions to the WQMP relating specifically to the implementation of this consent for the preceding <b>12 months</b>;</li> <li>(b) A summary of maintenance of the water management system for the preceding <b>12 months</b>;</li> <li>(c) A summary of the water monitoring data collected in accordance with the water monitoring programme, in the preceding <b>12 months</b> and comparison with at least previous <b>2 years</b> of water monitoring data;</li> <li>(d) A summary of any spills with potential to result in exceedances of Consent Limits and Trigger Investigation Levels which occurred within the preceding 12 months and the response which was undertaken;</li> <li>(e) Identify and comment on any emerging trends with respect to the information presented in accordance with subclauses (iii) and (iv) above;</li> <li>(f) Identify and comment on any environmental factors or operational events which may have affected the results.</li> <li>(g) A summary of activities supporting the CBMP and the WMP and any associated maintenance and monitoring; and</li> <li>(h) A summary of actions and outcomes taken in response to any exceedances of Consent Limits or Trigger Investigation Levels.</li> </ul>	23	<p>General condition proposed to apply to all consents sought by this application.</p> <p>The condition is proposed to be amended as follows:</p> <ul style="list-style-type: none"> <li>• References to the EMS and SMMP have been amended to refer to the WQMP.</li> <li>• References to stormwater have been amended to water.</li> <li>• Existing Clause (ii) has been removed as it duplicates (i).</li> <li>• Existing Clause (iii) has been amended to remove reference to “details of all inspections”, which has been replaced with a requirement to provide access to this information during visits to the site by Council’s compliance team (Proposed General Condition 3).</li> <li>• Existing Clause (iv) has been removed as this information would be updated in WQMP if required, and therefore will be reported under (i).</li> <li>• Existing Clause (v) has been amended to remove requirement to provide all results and analysis, interpretation and suggestions, as this requirement is proposed to be replaced by requirements for reporting to the Environment Committee and in the Five Yearly Report.</li> <li>• Existing Clause (vii) has been removed as this requirement is proposed to be provided for in the Five Yearly Report.</li> <li>• Additional requirements have been added in Proposed Clauses (v), (vi), (vii) and (viii).</li> </ul>
		<p>A Five Yearly Report evaluating all aspects of the environmental performance of the ITA Area relating to treated process water and ITA stormwater discharges shall be prepared by a suitably qualified and experienced person and submitted <b>five yearly</b> to the Council on or before the date specified in the WQMP.</p>	24	<p>General condition proposed to apply to all consents sought by this application.</p> <p>This condition is proposed to be added to require a Five Yearly Report.</p>
		<p>The Five Yearly Report shall include, but not be limited to, all information in Part 1 set out below, and, in the event that any effects are identified in Part 1(a)(vi), all information in Part 2:</p> <p><u>Part 1 – General outline of report</u></p> <ul style="list-style-type: none"> <li>(a) Taking into account the information provided in the five preceding Annual Reports (Condition 22), provide commentary regarding compliance with conditions of this consent, and, in the event of any non-compliance, commentary regarding actual and potential effects associated with those non-compliances.</li> </ul> <p>The commentary shall:</p>	25	<p>General condition proposed to apply to all consents sought by this application.</p> <p>This condition is proposed to be added to specify the detail to be included in the Five Yearly Report. The proposed approach is similar to the approach recommended in the Council’s s42A hearing report for the replacement air discharge permit for consistency.</p>

Existing Condition No #	Existing Condition	Proposed Condition	Proposed Condition No #	Comment or Change from existing condition (where applicable)
		<ul style="list-style-type: none"> <li>(i) Compare data with the previous Five Yearly Report;</li> <li>(ii) Identify and comment on long-term emerging trends in monitoring data;</li> <li>(iii) Critically evaluate the performance of the operations and maintenance procedures and physical mechanisms in place to minimise any adverse effects associated with the exercise of this consent;</li> <li>(iv) Identify any improvements to the water management system, undertaken or planned, including those implemented in response to non-compliances;</li> <li>(v) Make recommendations on any additional improvements needed, with respect to procedures or mechanisms relating to the exercise of this consent; and,</li> <li>(vi) Identify any effects beyond those identified in the application for this consent.</li> </ul> <p>(b) Taking into account the information in (a), review and confirm the ongoing monitoring requirements including parameters and frequencies, and detail the updates required to the WQMP, if any are necessary.</p> <p>(c) Any other issue considered important by the Consent Holder.</p> <p><u>Part 2 – required in the event that any effects are identified in Part 1(a)(vi)</u></p> <ul style="list-style-type: none"> <li>(d) A review of all significant aspects of the water management system relevant to the effects identified in Part 1(a)(vi). The review shall include: <ul style="list-style-type: none"> <li>(i) The associated water management system, and associated operations and maintenance procedures.</li> <li>(ii) Description of alternative methods for minimising the effects of the discharge compared to that currently used in the ITA Area.</li> <li>(iii) Identification of any of the alternative methods in (ii) that would significantly reduce adverse effects.</li> <li>(iv) The feasibility, including financial implications of adopting the methods identified in (iii).</li> <li>(v) An overall evaluation of whether current practice is the best practicable option.</li> </ul> </li> <li>(e) Where current practice is no longer the best practicable option as identified in Part 2(d)(v), the steps to be taken to adopt the best practicable option, and a timetable in which those steps can practicably be taken.</li> </ul>		
<b>Review condition</b>				
ITA 21	<p>The conditions of this consent may be reviewed by the Auckland Council pursuant to Section 128 of the RMA, (with the costs of the review process being borne by the consent holder), by the giving of notice pursuant to Section 129 of the RMA, in one of the following years:</p> <ul style="list-style-type: none"> <li>• June 2015</li> <li>• June 2016</li> </ul>			It is proposed to replace this existing section 128 review condition with Proposed General Condition 8.



Existing Condition No #	Existing Condition	Proposed Condition	Proposed Condition No #	Comment or Change from existing condition (where applicable)
	<ul style="list-style-type: none"> <li>• June 2017</li> </ul> <p>And/or at two yearly intervals after either the date of that review (if such review occurs) or after June 2015 whichever is the earlier.</p> <p>The purpose of the review may be for any of the following purposes, namely:</p> <ol style="list-style-type: none"> <li>i) To deal with any adverse effect on the environment which may arise from the exercise of the consent or upon which the exercise of the consent may have an influence and which becomes apparent, or is found appropriate, to deal with at a later stage, and in particular but without limiting the ambit of this clause to: <ol style="list-style-type: none"> <li>a) insert conditions, or modify existing conditions, to require the consent holder to identify the character or nature of any discharges authorised by this consent and to report the results of that monitoring to the Auckland Council; and/or</li> <li>b) insert conditions, or modify existing conditions, to require the consent holder to monitor the effects of any discharges authorised by this consent on the local receiving environment and to report the results of that monitoring to the Auckland Council;</li> <li>c) the conditions may relate to the matters contained in s 108(4) of the RMA or any Act in substitution thereof.</li> </ol> </li> <li>ii) Insert conditions, or modify existing conditions, to remedy, mitigate or minimise any adverse effects on the environment resulting from the discharges authorised by this consent, including remedying or mitigating 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.</li> </ol>			
<b>Northside (NS) Outfall discharge 21575 and Southside (SS) Outfall discharge 21576<sup>2</sup></b>				
<b>General conditions</b>				
<b>NS and SS 1.1</b>	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, investigations, tests, measurements or taking samples.			It is proposed to replace these existing general conditions with Proposed General Conditions 1 to 3.
<b>NS and SS 1.2</b>	Servants or agents of the Council performing work specified in section 1.1 will carry out their operations in accordance with the Health and Safety requirements of the Consent Holder. Where required, the Consent Holder shall provide a specific safety induction to familiarise those servants or agents of the Council with safety requirements for working on the site and to highlight potential safety hazards.			It is proposed to replace these existing general conditions with Proposed General Conditions 1 to 3.
<b>NS and SS 1.3</b>	The Consent Holder shall, as far as practicable, operate the plant and associated processes in accordance with the documentation submitted to the Council as part of application number 983541[NS] / 983542[SS]. No alterations shall be made to the plant or processes that do not, or are not likely to, comply with the			It is proposed to replace these existing general conditions with Proposed General Conditions 1 to 3.

<sup>2</sup> The discharge permits for the Northside (NS) and Southside (SS) outfalls (Permits 21575 and 21576) have very similar conditions, therefore these two permits have been combined in this comparison table. Where conditions are identical they are included only once (denoted with "NS and SS" prior to the condition number), where they differ, both conditions are listed (denoted by either "NS" or "SS" prior to the condition number).

Existing Condition No #	Existing Condition	Proposed Condition	Proposed Condition No #	Comment or Change from existing condition (where applicable)
	provisions of this consent, a regional rule, or regulations under the Resource Management Act 1991.			
<b>Limit Conditions</b>				
<b>NS 2.1</b>	The total volume of treated process water plus stormwater discharged shall not exceed an average of 9000m <sup>3</sup> per day, over each calendar month.			It is proposed to remove Existing Condition NS 2.1 as the discharge volume will be restricted by the combination of the concentration and daily load limits specified in Schedule 1, and therefore there is no need for a volume limit.
<b>SS 2.1</b>	The total volume of treated process water plus stormwater discharged shall not exceed an average of 2000m <sup>3</sup> per day, over each calendar month.			It is proposed to remove Existing Condition SS 2.1 as the combination of concentration and daily load Trigger Investigation Levels specified in the WQMP, together with associated actions in the event of any exceedances of Trigger Investigation Levels, will ensure that there is no need for a volume limit. As the discharge from the Southside Ponds normally drains to the Ruakohua Dam, and the maximum volume from the ARP is well below the daily limit, the only time the volume limit would be exceeded would be during an extreme high rainfall event, and therefore an ongoing daily limit is not necessary.
<b>NS and SS 2.2</b>	The total mass loads of contaminants and the quality of the total discharge of treated process water and stormwater at the point of entry to the Waiuku estuary shall comply with the standards set out in the appended Table 1.	Discharges from the ITA Area shall not result in any exceedance of the consent limits set out in Schedule 1.	18	The wording of Existing Conditions NS and SS 2.2 has been amended to simplify the statement regarding compliance with consent limits.
<b>Process Conditions</b>				
<b>NS 3.1</b>	That as far as practicable stormwater collected from the Northside, catchment shall be recycled to supply process and washdown water requirements.			Existing Conditions NS and SS 3.1 are proposed to be removed as this detail can be included in the WQMP required by Proposed General Condition 9.
<b>SS 3.1</b>	<b>RECYCLING OF STORMWATER</b> As much as practicable of the stormwater collected from the Southside catchment shall be discharged into the mill water supply reservoir for recycling.			
<b>NS 3.2</b>	<b>POND MAINTAINANCE</b> (a) The water level of each of the Northside settling ponds shall be lowered to allow inspection of the accumulated sediment at least once per year. The accumulated sediment shall be removed from all ponds in the months between 1 October and 30 April each year. The methods for removal of sediment will include, but not necessarily be limited to, fully draining and taking 'off line' individual ponds so that they can be dredged and reinstated as settling ponds. (b) The requirement of condition 3.2 (a) to remove accumulated sediments from the Northside settling ponds may be waived if written approval is obtained from the Manager.			Existing Conditions NS and SS 3.2 are proposed to be removed as this detail can be included in the WQMP required by Proposed General Condition 9.



Existing Condition No #	Existing Condition	Proposed Condition	Proposed Condition No #	Comment or Change from existing condition (where applicable)
	<p>(c) That in addition to the annual draining and dredging operation the Consent Holder shall estimate the sediment deposition in the ponds each calendar month by observation at the head of each settling pond. The head of the settling ponds shall be dredged as soon as practicable should sediments be visible at the surface of the ponds.</p> <p>(d) Accumulated sediment shall be removed from the whole pond if dredging of the pond head, as required under 3.2 (b), is insufficient to restore the pond's efficiency.</p> <p>(e) Sediment dredged from the settlement ponds shall be either reprocessed or disposed of in an authorised landfill.</p>			
SS 3.2	<p><b>POND MAINTENANCE</b></p> <p>(a) The water level of the Southside settling pond will be lowered to allow inspection of the accumulated sediment at least once every two years.</p> <p>(b) The accumulated sediment will be removed from a pond before the in situ volume of accumulated sediment exceeds 30% of the total pond volume under low water flow conditions.</p>			
NS 3.3	<p><b>WETLAND TRIAL</b></p> <p>(a) The Consent Holder shall, consult with Huakina Trust on the development of a programme for installing a trial wetland treatment system on the Northside discharge.</p> <p>(b) The Consent Holder shall provide the ARC with a timetable for the wetland trial within 1 month of reaching agreement on the trial programme with Huakina Trust.</p> <p>(c) Surplus flow from the settling ponds shall be passed through the trial filtration bed wetland at a maximum rate to be determined by the final wetland design.</p> <p>(d) The total daily flow passed through the wetland shall be recorded in the monthly water report submitted to the ARC as required by condition 5.1 of this consent.</p> <p>(e) During the first six months after commissioning of the wetland the quality of water entering and leaving the wetland shall be monitored over a minimum of six periods. Each monitoring period shall last a minimum of 24 hours, and each monitoring period shall be a minimum of 7 days from the next.</p> <p>(f) A report detailing the treatment performance of the trial wetland shall be prepared by the Consent Holder and a copy of the report provided to, ARC within 8 months of commissioning of the wetland.</p> <p>(g) The Consent Holder shall obtain approval from the Manager, Auckland Regional Council prior to terminating the wetland trial.</p>			Existing Condition NS 3.3 is not proposed to be included as the wetland trial has been completed.
NS 3.4 and SS 3.3	<p><b>BIOCIDE DOSING</b></p> <p>(a) Treated process water biocide dosing shall be scheduled so that circuits are dosed consecutively and not concurrently.</p> <p>(b) Before commencing the use of a biocide that has not previously been used, or increasing the use of a biocide above a previously applied rate, the Consent Holder shall:</p> <p>(i) Submit to the ARC such information as may reasonably be obtained on the toxicity and final effluent concentrations of the biocide, its residues and by-products;</p>			Existing Conditions NS 3.4 and SS 3.3 are not proposed to be included as there have been no issues identified relating to biocides over the life of the consent, and it is considered these conditions are no longer required.

Existing Condition No #	Existing Condition	Proposed Condition	Proposed Condition No #	Comment or Change from existing condition (where applicable)
	<p>(ii) Provide an assessment of the potential toxicity of any residual treatment chemicals, or their by-products that remain in the discharge.</p> <p>(c) Any biocide used shall be non-toxic to humans or the marine receiving environment at the concentrations present in the permitted discharge.</p> <p>(d) All biocides shall be applied in accordance with the manufacturers specifications.</p>			
<b>NS 3.5 and SS 3.4</b>	<p><b>MATERIAL HANDLING, WATER SYSTEMS AND OTHER PROCESSES</b></p> <p>(a) The Consent Holder shall notify the ARC of any proposed changes to the raw materials, stored materials, processes, or water systems within the plant that may have a significant effect [<i>sic</i>] the quantity or quality of the authorised discharge. Information provided shall include a full description of the proposed changes, estimates of how the quantity and quality of the discharge is likely to be affected, and whether or not the new discharge will comply with this permit.</p>			It is not proposed to include Existing Conditions NS 3.5 and SS 3.4 as Proposed General Conditions 9 and 12 require the preparation of a WQMP, and that changes to the WQMP need to be submitted to Council in specified circumstances. Wording from Existing Conditions NS 3.5 and SS 3.4 is proposed to be included in Proposed General Condition 12.
<b>NS 3.6 and SS 3.5</b>	<p><b>ASSESSMENT OF STORMWATER TREATMENT SYSTEMS</b></p> <p>(a) The Consent Holder shall commission an audit of the stormwater systems on the site. The audit shall provide for the following:</p> <p>(i) Identifying the source of stormwater contaminants from the site;</p> <p>(ii) Assessing whether storage and containment systems for hazardous substances are adequate to prevent accidental spills entering the stormwater system;</p> <p>(iii) Assessing whether contaminated stormwater is adequately routed through treatment systems;</p> <p>(iv) Assessing the performance of existing stormwater treatment systems and practices;</p> <p>(v) Identifying ways of reducing contaminant loads conveyed to the settlement ponds as far as practicable;'</p> <p>(vi) Identifying priorities for improving stormwater, quantity, quality and treatment practices;</p> <p>(vii) Recommending ways of reducing overflows, leaks or accidental discharges of untreated wastewater and chemicals into the stormwater systems;</p> <p>(viii) Assessing whether stormwater management systems and practices comply with all relevant Regional Plans;</p> <p>(ix) Developing a programme and timeframe for the implementation of recommended improvements.</p> <p>(b) The consent holder is required to have the stormwater audit detailed in condition 3.6(b) reviewed by an independent expert in stormwater management.</p> <p>(c) The stormwater systems audit will be completed and forwarded to the Manager within twelve months of the granting of this consent.</p> <p>(d) One stormwater audit may be prepared covering the three treated process water and stormwater discharge consents (Permit Numbers. 983541, 983542 and 984086) for the Glenbrook Mill.<sup>3</sup></p>			Existing Conditions NS 3.6 and SS 3.5 are not proposed to be included as the audit of stormwater systems on the site was undertaken following the grant of the existing permits, and a similar assessment to that required by these conditions has been undertaken during the preparation of this application.

<sup>3</sup> Clause (d) was included in Existing Condition SS 3.5 but not in Existing Condition NS 3.6.

Existing Condition No #	Existing Condition	Proposed Condition	Proposed Condition No #	Comment or Change from existing condition (where applicable)
<b>Monitoring Conditions</b>				

Existing Condition No #	Existing Condition	Proposed Condition	Proposed Condition No #	Comment or Change from existing condition (where applicable)
NS and SS 4.1	<p>ENVIRONMENTAL MANAGEMENT AND MONITORING PLAN</p> <p>(a) The Consent Holder shall prepare and implement an Environmental Management and Monitoring Plan within six months of the granting of this Consent.</p> <p>(b) The Environmental Management and Monitoring Plan shall include, but not be limited to, the following specific details:</p> <ul style="list-style-type: none"> <li>(i) An Environmental Policy;</li> <li>(ii) The identification of the specific activities and contaminants associated with industrial or trade processes on-site;</li> <li>(iii) Methods for minimising the risk of adverse environmental effects and non-compliance with this consent;</li> <li>(iv) Contingency plans for dealing with incidents that may result in non-compliance with the conditions of this consent;</li> <li>(v) Appropriate auditing requirements to ensure performance of all components of the Environmental Management and Monitoring Plan;</li> <li>(vi) A method by which the Environmental Management and Monitoring Plan is reviewed by management to ensure its continuing suitability, adequacy and effectiveness;</li> <li>(vii) Details on how the Consent Holder will assess sediment quality, benthic community health, and shellfish contaminant loads within the mixing zone in accordance with the conditions of this consent;</li> <li>(viii) Methods of sample collection and laboratory analysis;</li> <li>(ix) Requirements for the reporting of results in accordance with the conditions of this consent;</li> <li>(x) The responsibilities for these procedures and methods.</li> </ul> <p>(c) The sampling methods, laboratory analyses and statistical analyses used for sediment quality and benthic community health required in the Environmental Management and Monitoring Plan shall be consistent with ARC protocols for monitoring urban receiving environments as outlined in ARC Technical Publication 168, "Blueprint for monitoring urban receiving environments" or any subsequent protocols for monitoring urban receiving environments as approved by the Manager.</p> <p>(d) One Environmental Management and Monitoring Plan may be prepared covering the three treated process water and stormwater discharge consents (Permit Numbers. 983541, 983542 and 984086) for the Glenbrook Mill.</p> <p>(e) Approval for the Environmental Management and Monitoring Plan shall be obtained from the Manager.</p>			<p>It is proposed to replace these existing conditions with proposed general conditions requiring a WQMP (Proposed General Condition 9), which will include a water monitoring programme (Proposed General Condition 17).</p>
NS 4.2	<p>PHYSICAL AND CHEMICAL PARAMETERS</p> <p>(a) The rate of discharge of the combined treated process water and stormwater shall be monitored by means of a suitable, permanently installed continuous recorder. A back up flow monitoring system approved by the Manager shall be available at all times.</p> <p>(b) Outages of the stormwater recycle pumps at the Northside outfall shall be recorded in the monthly water reports required by Condition 5.1.</p>			<p>Existing Conditions NS and SS 4.2 are proposed to be removed as this detail is more appropriately included in the WQMP (required by Proposed General Condition 9) which includes an operations and maintenance programme and a monitoring programme (as specified in Proposed General Conditions 15 and 17).</p>

Existing Condition No #	Existing Condition	Proposed Condition	Proposed Condition No #	Comment or Change from existing condition (where applicable)
	<p>Detailed reasons shall be provided to the Manager for any continuous outages of more than 24 hours in duration.</p> <p>(c) The parameters listed in the appended Table 1 shall be monitored in accordance with the collection methods and frequencies listed in the table.</p> <p>(d) A replacement flow-proportional sampler shall be available at all times to replace the on-line sampler in the event of its failure.</p>			
SS 4.2	<p>PHYSICAL AND CHEMICAL PARAMETERS</p> <p>(a) The rate of discharge of the combined treated process water and stormwater shall be monitored by means of a suitable, permanently installed continuous recorder. A back up flow monitoring system approved by the Manager shall be available at all times.</p> <p>(b) The parameters listed in the appended Table 1 shall be monitored in accordance with the collection methods and frequencies listed in the table.</p> <p>(c) A replacement flow-proportional sampler shall be available at all times to replace the on—line sampler in the event of its failure.</p>			
NS and SS 4.3	<p>SEA TEMPERATURE</p> <p>(a) The Consent Holder shall take weekly recordings of ambient sea temperature from a fixed location that is not influenced by heated water discharges. The depth of sampling shall be sufficient to ensure that ambient sea temperature recordings are not affected by surface heating.</p> <p>(b) Ambient sea temperature from one fixed location can be used to cover the two-process water and stormwater discharge consents (Permit Numbers. 983541, 983542) for the Glenbrook Mill.</p> <p>(c) The Consent Holder shall obtain written approval from the Manager, ARC regarding the location and depth of ambient sea temperature recordings.</p>			<p>It is proposed to remove Existing Conditions NS and SS 4.3. Based on modelling results, ongoing monitoring of sea temperature is not necessary.</p>
NS and SS 4.4	<p>SEDIMENT QUALITY</p> <p>(a) The Consent Holder shall collect and analyse sediment quality samples biannually starting in August 2003. The methods of collection and analyses should be consistent with the Environmental Management and Monitoring Plan as set out in condition 4.1 (c).</p>			<p>It is proposed to replace Existing Conditions NS and SS 4.4 with Proposed General Condition 17 which sets out requirements relating to the water monitoring programme.</p>
NS and SS 4.5	<p>BENTHIC COMMUNITY HEALTH</p> <p>(a) Benthic community health shall be assessed in accordance with the requirements of ARC Technical Publication 168, “Blueprint for monitoring urban receiving environments” or any subsequent protocols for monitoring urban receiving environments as approved by the Manager.</p> <p>(b) The requirements of condition 4.5 (a) may be waived if written approval is obtained from the Manager.</p>			<p>It is proposed to replace Existing Conditions NS and SS 4.5 with Proposed General Condition 17 which sets out requirements relating the water monitoring programme.</p>
NS and SS 4.6	<p>SHELLFISH CONTAMINATION</p> <p>(a) The maximum concentration of zinc in Pacific oysters within the mixing zone shall not exceed 1000mg/kg wet weight.</p> <p>(b) The maximum concentration of zinc in Pacific Oysters at oyster monitoring sites outside the mixing zone shall not exceed 500mg/kg wet weight.</p>			<p>It is proposed to replace Existing Conditions NS and SS 4.6 with Trigger Investigation Levels for parameters included in Schedule 1.</p>

Existing Condition No #	Existing Condition	Proposed Condition	Proposed Condition No #	Comment or Change from existing condition (where applicable)
NS and SS 4.7	<p>COMPLIANCE MONITORING</p> <p>(a) The Consent Holder will assist ARC with periodic check monitoring to be carried out by facilitating an inspection of the steel mill or parts of the plant that are relevant to compliance checking resource consent conditions.</p>			It is proposed to replace Existing Conditions NS and SS 4.7 with Proposed General Condition 2 which reflects standard practice for providing access for compliance monitoring.
<b>Logging and Reporting Conditions</b>				
NS and SS 5.1	<p>MONTHLY REPORT</p> <p>(a) The Consent Holder shall provide to the Manager a report for each calendar month that this consent is exercised. One monthly report may be prepared covering the three consents for treated process water and stormwater discharges (Permit Numbers. 983541, 983542 and 984086). The report shall include:</p> <p>(i) All monitoring data required by the conditions 4.2 and 4.3 of this consent and will include both raw data and averages calculated to determine compliance;</p> <p>(ii) A summary of compliance with all monitored parameters of this consent.</p> <p>(b) Data in the monthly report will be provided in a spreadsheet in a format agreed to with the Manager and shall be provided to ARC on or before the 10th day of the month following data collection.</p> <p>(c) The Consent Holder shall maintain a record of all monitoring. data for the term of the consent and these records shall be made available to any servant or agent of the Council upon request.</p>			It is proposed to replace Existing Conditions NS and SS 5.1 with Proposed General Conditions 22 and 24 which require an Annual Report and a Five Yearly Report, together with reporting to the Environment Committee, required by Proposed General Condition 7.
NS and SS 5.2	<p>ANNUAL REPORT</p> <p>(a) The Consent Holder shall prepare an annual report on all aspects of the treated process water and stormwater discharge from the [Northside] / [Southside] outfall, including but not necessarily limited to:</p> <p>(i) A summary of trends in discharge water quality and quantity, and contaminant loadings in Pacific oysters, estuarine sediments from the previous 5 years;</p> <p>(ii) The results of benthic community health monitoring (if applicable);</p> <p>(iii) A summary of the overall environmental performance of the Glenbrook Mill in terms of treated process water and stormwater discharges from the [Northside] / [Southside] outfall, including waste minimisation, and improvements in process water and stormwater treatment and recycling;</p> <p>(iv) Other works that have been undertaken during the year to improve environmental performance, and proposed works that are intended to improve environmental performance during the next year.</p> <p>(b) The annual report is to be in a format approved by the Manager and will be provided to ARC on or before the 1<sup>st</sup> August each year.</p> <p>(c) One annual report may be prepared covering the three treated process water and stormwater discharge consents (Permit Numbers. 983541, 983542 and 984086) for the Glenbrook Mill.</p>			It is proposed to replace Existing Conditions NS and SS 5.2 with Proposed General Conditions 22 and 24 which require an Annual Report and a Five Yearly Report, together with reporting to the Environment Committee, required by Proposed General Condition 7.

Existing Condition No #	Existing Condition	Proposed Condition	Proposed Condition No #	Comment or Change from existing condition (where applicable)
NS and SS 5.3	<p>INCIDENT REPORTING</p> <p>(a) The Consent Holder shall record all incidents that either results in non-compliance or presents a risk of serious non—compliance with any of the Table 1 maximum constituent concentrations that are not to be exceeded. These records shall be made available to a servant or agent of the ARC upon their request and a summary shall be provided to the ARC on a monthly basis.</p> <p>(b) For any incident capable of affecting human health or the biota of the estuary, the Consent Holder shall:</p> <p>(i) As soon as practicable, inform the ARC by email and/or facsimile of the time, date and nature of the incident;</p> <p>(ii) Provide telephone numbers or other contact details of staff;</p> <p>(c) A written Preliminary Incident Report shall be prepared and provided to ARC within three working days of any incident requiring notification under Condition 5.3 (b). The Preliminary Incident Report shall provide details of:</p> <p>(i) The time, duration, nature and cause of the incident;</p> <p>(ii) The volume of wastewater and/or stormwater discharged that did not comply with the maximum concentration limits;</p> <p>(iii) The actions undertaken, including any additional monitoring;</p> <p>(i) An initial assessment of the environmental impact of the non-complying discharge.</p> <p>(d) A written Final Incident Report will be prepared and provided to ARC by email within 15 working days of the time of the incident requiring notification under Condition 5.3 (b). The Final Incident Report shall provide full details of:</p> <p>(i) The incident and the cause or causes;</p> <p>(ii) The adequacy of responses by the Consent Holder in terms of its Contingency Flaming;</p> <p>(iii) The results of all relevant routine and additional monitoring;</p> <p>(iv) An assessment of environmental consequences;</p> <p>(v) Identification of additional safeguards that could be reasonably implemented to prevent any future recurrence;</p> <p>(vi) A programme for implementation of safeguards referred to in Condition 5.3 d(v).</p>			It is proposed to replace Existing Conditions NS and SS 5.3 with Proposed General Condition 9 which includes a requirement to set out incident reporting requirements in the WQMP.
<b>Review Conditions</b>				
NS and SS 6.1	<p>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 May 2004 and every five years thereafter in order:</p> <p>(a) To review compliance with the conditions of this consent</p> <p>(b) To review progress and improvements in waste minimisation, water recycling, and stormwater control and treatment.</p>			It is proposed to replace all existing section 128 review conditions with Proposed General Condition 8.
<b>Table 1</b>				



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NS Table 1	<p>Table 1. Northside Outfall: Standards and monitoring requirements for total treated process water plus stormwater discharge (Units mg/L except for pH temperature and mass loads).</p> <table border="1" data-bbox="403 415 1196 1560"> <thead> <tr> <th>Parameter</th> <th>Maximum or range not to be exceeded</th> <th>Monitoring to detect maxima</th> <th>Maximum monthly average not to be exceeded</th> <th>Maximum permitted average daily mass loading (kg)</th> <th>Calculation to establish average</th> </tr> </thead> <tbody> <tr> <td>pH</td> <td>6-9.5</td> <td>a, c</td> <td>N/A</td> <td></td> <td>-</td> </tr> <tr> <td>Discharge temperature °C</td> <td>20°C ambient temperature</td> <td>d</td> <td>N/A</td> <td></td> <td>-</td> </tr> <tr> <td>Suspended solids</td> <td>30</td> <td>a, c</td> <td>15</td> <td></td> <td>Monthly average of results from c.</td> </tr> <tr> <td>Dissolved oxygen</td> <td>4 (minimum)</td> <td>a</td> <td>N/A</td> <td></td> <td>-</td> </tr> <tr> <td>Oil and Grease</td> <td>6</td> <td>b</td> <td>2</td> <td></td> <td>Monthly average of results from b.</td> </tr> <tr> <td>Zinc</td> <td>1.5</td> <td>a, c</td> <td>0.2</td> <td>1.8</td> <td>Monthly average of results from c.</td> </tr> <tr> <td>Chromium (total)</td> <td>0.1</td> <td>c</td> <td>0.04</td> <td>0.36</td> <td>As above</td> </tr> <tr> <td>Nickel</td> <td>1.7</td> <td>c</td> <td>0.7</td> <td>6.3</td> <td>As above</td> </tr> <tr> <td>Lead</td> <td>0.1</td> <td>c</td> <td>0.04</td> <td>0.36</td> <td>As above</td> </tr> <tr> <td>Copper</td> <td>0.03</td> <td>c</td> <td>0.01</td> <td>0.09</td> <td>As above</td> </tr> <tr> <td>Cadmium</td> <td>0.1</td> <td>c</td> <td>0.05</td> <td>0.45</td> <td>As above</td> </tr> <tr> <td>Iron</td> <td>12.5</td> <td>c</td> <td>3</td> <td>27</td> <td>As above</td> </tr> </tbody> </table> <p><u>Monitoring Frequency Code</u>                      a = single grab sample taken and analysed once daily seven days per week                      b = single grab sample taken and analysed once per week                      c = 24-hour flow proportional composite sample collected and analysed daily, 7 days per week                      d = difference between daily discharge temperature and ambient sea temperature (as required in condition 4.2).</p>						Parameter	Maximum or range not to be exceeded	Monitoring to detect maxima	Maximum monthly average not to be exceeded	Maximum permitted average daily mass loading (kg)	Calculation to establish average	pH	6-9.5	a, c	N/A		-	Discharge temperature °C	20°C ambient temperature	d	N/A		-	Suspended solids	30	a, c	15		Monthly average of results from c.	Dissolved oxygen	4 (minimum)	a	N/A		-	Oil and Grease	6	b	2		Monthly average of results from b.	Zinc	1.5	a, c	0.2	1.8	Monthly average of results from c.	Chromium (total)	0.1	c	0.04	0.36	As above	Nickel	1.7	c	0.7	6.3	As above	Lead	0.1	c	0.04	0.36	As above	Copper	0.03	c	0.01	0.09	As above	Cadmium	0.1	c	0.05	0.45	As above	Iron	12.5	c	3	27	As above			It is proposed to replace Existing NS Table 1 with Proposed Schedule 1.
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	<p>Notes:</p> <ul style="list-style-type: none"> <li>Maximum concentrations for zinc, chromium, nickel, lead, copper and cadmium are 25 times the ANZECC (2000) 95% protection level trigger values. Maximum monthly average concentrations for chromium, nickel, lead, copper and cadmium are 10 times the ANZECC (2000) 95% protection level trigger values.</li> <li>Analytical lower detection limits are to be a maximum of 50% of the maximum monthly average concentrations.</li> <li>Metals are to be analysed as total metals determined on unfiltered samples.</li> </ul> <p>Maximum permitted average daily mass loading shall be based on 6 monthly (182 day) running averages.</p>																																																									
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<b>Occupation of the Coastal Marine Area (CMA) by discharge structure 23877</b>									
<b>General Conditions</b>									
<b>CMA 1</b>	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								It is proposed to replace these existing general conditions with Proposed General Conditions 1 to 3.
<b>CMA 2</b>	The consent holder shall carry out the activities permitted by this consent generally in accordance with the documentation submitted in support of the application as identified below: (a) Coastal permit application and assessment of environmental effects dated June 1998 (b) Plans: BHP NZS DRG No 510/508/002/000/011 Southside Outfall Structure and Riprap Detail.								It is proposed to replace these existing general conditions with Proposed General Conditions 1 to 3.
<b>CMA 3</b>	The consent holder shall not carry out, modify, extend, alter or reconstruct any works in the part of the coastal marine area subject to this consent without first obtaining any other resource consents for such works which are required.								Existing Condition CMA 3 is proposed to be removed and replaced with an advice note to Proposed Condition 26, to reflect current practice in the Auckland Council Conditions Manual.

Existing Condition No #	Existing Condition	Proposed Condition	Proposed Condition No #	Comment or Change from existing condition (where applicable)
CMA 4	The consent holder shall ensure that any structure permitted to occupy the coastal marine area by this consent is maintained in a good and sound condition, and shall make any repairs that are necessary, subject to obtaining any necessary resource consents.	The structures authorised by this consent shall be maintained in a good condition for the duration of the consent.  <b>Advice Note:</b> <i>Some works to maintain or repair structure(s) may themselves require resource consent. Contact the Team Leader – Coastal for advice.</i>	26	Existing Condition CMA 4 is proposed to be amended to reflect current practice in the Auckland Council Conditions Manual.
<b>Remediation/Mitigation Condition</b>				
CMA 5	The consent holder shall restore the riprap rock protection placed in the coastal marine area to prevent erosion to the original design location and dimensions as shown on BHP NZS Drawing No 510/508/002/000/011. This will require the collection of material that has been dispersed away from the original location by wave action, and replacement within the design location or removal from the coastal marine area. Consideration should be given to the use of larger rocks for protection to restrict dispersal by wave action and reduce the requirement for future maintenance.			Existing Condition CMA 5 is not proposed to be included as the remediation work was undertaken following the grant of the existing permit.
CMA 6	The remediation and restoration work required is to be carried out within 6 months of the date of commencement of this consent. Dispersed rock is to be collected manually and transported within the coastal marine area by hand or by use of wheel barrows. Other machines are not to be used within the coastal marine area.			Existing Condition CMA 6 is not proposed to be included as the remediation work was undertaken following the grant of the existing permit.
<b>Extent of Occupation</b>				
CMA 7	The right to occupy part of the coastal marine area, as defined by Section 12(4) of the Resource Management Act 1991, shall be limited to the area of the structures identified in the plans listed in Condition 2.	The right to occupy part of the coastal marine area, as defined by Section 12(4) of the Resource Management Act 1991, shall be limited to the area of the structures identified in the plans listed in Condition 1.	27	Unchanged from existing condition.
CMA 8	The right to occupy part of the coastal marine area shall not be an exclusive right, and the consent holder shall at all times, permit all persons to use the structures identified in the plans for the purpose of providing public access along the coastal marine area.	The occupation of the common marine and coastal area by the authorised structures is not an exclusive right of occupancy. The general public or any person(s) may not be excluded from the areas or any part of the areas to which this consent applies, unless necessary for the primary purpose of the structures or for health and safety reasons, and only to the extent necessary to enable the primary purpose of the structures and to address health and safety requirements.	28	Existing Condition CMA 8 is proposed to be amended to reflect current practice in the Auckland Council Conditions Manual, and to address health and safety.
<b>Removal Condition</b>				
CMA 9	At the expiry or sooner termination of this coastal permit, the consent holder shall if requested by the Council, at the consent holder's own expense remove the structures in their entirety and restore the site to its original condition, to the satisfaction of the Manager.	Within forty (40) working days of the expiry, termination or surrender of this consent, or within a period as otherwise agreed in writing by the Council, the Consent Holder shall, at its own expense, entirely remove the structures authorised by this consent from the coastal marine area, to the satisfaction of the Council, unless an application for a replacement consent has been accepted for processing by the Council.  <b>Advice Note:</b> <i>If you cannot comply with the permitted activity requirements in the relevant plans, consent may be required for the removal works.</i>	29	Existing Condition CMA 9 is proposed to be amended to reflect current practice in the Auckland Council Conditions Manual.

Existing Condition No #	Existing Condition	Proposed Condition	Proposed Condition No #	Comment or Change from existing condition (where applicable)
<b>Review Condition</b>				
<b>CMA 10</b>	That 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 2004 and every 2 years thereafter in order: (a) To deal with any adverse effects 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 (b) To deal with any other adverse effect on the environment on which the exercise of this consent may have an influence.			It is proposed to replace this existing section 128 review condition with Proposed General Condition 8.
<b>Dewatering or "Dew" Plant (DP) discharge 21577</b>				
<b>General Conditions</b>				
<b>DP 1.1</b>	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.			It is proposed to replace these existing general conditions with Proposed General Conditions 1 to 3.
<b>DP 1.2</b>	Servants or agents of the Council performing work specified in section 1.1 will carry out their operations in accordance with the Health and Safety requirements of NZ Steel. Where required, NZ Steel shall provide a specific safety induction to familiarise personnel with safety requirements for working on the site and to highlight potential safety hazards.			It is proposed to replace these existing general conditions with Proposed General Conditions 1 to 3.
<b>DP 1.3</b>	The Consent Holder» shall, as far as practicable, operate the plant and associated processes in accordance with the documentation submitted to the Council as part of application number 984086. No alterations shall be made to the plant or processes that do not, or are not likely to, comply with the provisions of this consent, a regional rule, or regulations under the Resource Management Act 1991.			It is proposed to replace these existing general conditions with Proposed General Conditions 1 to 3.
<b>Limit Conditions</b>				
<b>DP 2.1</b>	The total volume of clarified wastewater discharged shall not exceed an average of 7400m <sup>3</sup> per day, over each calendar month.			It is proposed to replace Existing Condition DP 2.1 with Proposed Schedule 1.
<b>DP 2.2</b>	The maximum rate of discharge shall not exceed 400m <sup>3</sup> per hour.			It is proposed to replace Existing Condition DP 2.2 with Proposed Schedule 1.
<b>DP 2.3</b>	The quality of wastewater discharged shall comply with the following limits: (a) SUSPENDED SOLIDS: (i) Not to exceed 20 g/m <sup>3</sup> monthly flow-weighted average. (ii) Not to exceed 30 g/m <sup>3</sup> daily flow—weighted average. (b) TURBIDITY: (i) Not to exceed 20 NTU monthly flow-weighted average. (ii) Not to exceed 30 NTU daily flow—weighted average.			It is proposed to replace Existing Condition DP 2.3 clauses (a)(i) and (b)(i) with Proposed Schedule 1. It is proposed to remove clauses (a)(ii) and (b)(ii) as relevant guidelines are based on longer term averages and therefore the daily averages are not relevant.
<b>Process Conditions</b>				

Existing Condition No #	Existing Condition	Proposed Condition	Proposed Condition No #	Comment or Change from existing condition (where applicable)
DP 3.1	<p>Turbidity</p> <p>(a) When the turbidity of the discharge from the clarifier exceeds 20 NTU, the discharge will be automatically diverted through the settling ponds before discharge to the Northside stream.</p> <p>(b) If the turbidity of the discharge to the Northside Stream exceeds an average of 50 NTU for any 30 minute period, the slurry pipeline will be shut down.</p>			Existing Condition DP 3.1 is proposed to be removed as this detail is more appropriately included in the WQMP required by Proposed General Condition 9.
DP 3.2	<p>Flocculants</p> <p>(a) The consent holder will provide details of all flocculant and/or coagulant chemicals used to promote the settlement of solids in the clarifier.</p> <p>(b) The consent holder will provide an assessment of the potential toxicity of any residual treatment chemicals and their by—products which could remain in the discharge to the Northside stream.</p> <p>(c) Information required under Sections 3.2 (a) and 3.2 (b) is to be provided to ARC within 2 months of the date of commencement of this consent.</p> <p>(d) Before commencing the use of flocculant and/or coagulant chemicals that have not previously been used in the slurry water treatment plant, or increasing the use of a biocide above a previously applied rate, the Consent Holder shall:</p> <p>(i) Submit to the ARC such information as may reasonably be obtained on the toxicity and final effluent concentrations of the flocculant and/or coagulant chemicals, and their residues and by—products;</p> <p>(ii) Provide an assessment of the potential toxicity of any residual treatment chemicals, and their by-products, which remain in the discharge to the stream.</p> <p>(e) Any flocculant and/or coagulant chemicals used shall be non-toxic to humans or the receiving environment at the concentrations present in the permitted discharge.</p> <p>(f) All flocculant and/or coagulant chemicals shall be applied in accordance with the manufacturers specifications.</p>	<p><b>Within six months</b> of commencement of this consent, a chemical treatment management programme shall be submitted to the Council as part of the WQMP (required by Condition 9).</p> <p>The overall objective of the chemical treatment management programme is to provide an outline of the practices and procedures to be adopted in relation to chemical treatment to ensure compliance with these consent conditions.</p> <p>The chemical treatment management programme shall include, but not be limited to:</p> <p>(i) Design details of chemical treatment systems including dosing location and systems;</p> <p>(ii) Details of all flocculant and/or coagulant chemicals used to promote the settlement of solids in the clarifier; and</p> <p>(iii) A procedure for introducing any chemical or coagulant not previously used.</p>	16	Existing Condition DP 3.2 is proposed to be amended to require an outline of chemical treatment in the WQMP.
DP 3.3	<p>POND MAINTENANCE</p> <p>(a) The sediment retained in the settling ponds shall be removed before the total combined water volume of the ponds is reduced by more than 30%.</p> <p>(b) A reliable method of assessing changes in pond water volume shall be provided in the.</p>			Existing Condition DP 3.3 is proposed to be removed as this detail is more appropriately included in the WQMP required by Proposed General Condition 9.
<b>Monitoring Conditions</b>				
DP 4.1	<p>ENVIRONMENTAL MANAGEMENT AND MONITORING PLAN</p> <p>(a) The Consent Holder shall prepare and implement an Environmental Management and Monitoring Plan within six months of the granting of this Consent.</p> <p>(b) For the purpose of this consent the Environmental Management and Monitoring Plan shall include, but not be limited to, the following specific details:</p> <p>(i) An Environmental Policy;</p>			It is proposed to replace this existing condition with Proposed General Condition 9.

Existing Condition No #	Existing Condition	Proposed Condition	Proposed Condition No #	Comment or Change from existing condition (where applicable)
	<ul style="list-style-type: none"> <li>(ii) The identification of the specific activities and contaminants associated with industrial or trade processes on-site;</li> <li>(iii) Methods for minimising the risk of adverse environmental effects and non-compliance with this consent;</li> <li>(iv) Contingency plans for dealing with incidents that may result in non-compliance with the conditions of this consent;</li> <li>(v) Appropriate auditing requirements to ensure performance of all components of the Environmental Management and Monitoring Plan;</li> <li>(vi) A method by which the Environmental Management and Monitoring Plan is reviewed by management to ensure its continuing suitability, adequacy and effectiveness;</li> <li>(vii) Methods of sample collection and analysis;</li> <li>(viii) Requirements for the reporting of results in accordance with the conditions of this consent;</li> <li>(ix) The responsibilities for these procedures and methods.</li> </ul> <p>(c) One Environmental Management and Monitoring Plan may be prepared covering the three treated process water and stormwater discharge consents (Permit Numbers. 983541, 983542 and 984086) for the Glenbrook Mill.</p> <p>(d) Approval for the Environmental Management and Monitoring Plan shall be obtained from the Manager.</p>			
<b>DP 4.2</b>	<p><b>TURBIDITY</b></p> <ul style="list-style-type: none"> <li>(a) Turbidity may be used as a surrogate for suspended solids to enable real time continuous monitoring of the discharge quality.</li> <li>(b) Turbidity meters shall be installed and operated continuously during discharge periods, both at the discharge from the clarifier and at the point of discharge of the treated water to the Northside stream.</li> <li>(c) Readings from the turbidity meters shall be displayed and alarmed, both locally at the plant, and remotely in the ironmaking control room.</li> <li>(d) A flow recorder will be installed and maintained immediately prior to the discharge point into the Northside Stream. The flow recorder shall be continuously operational during discharge periods, and will measure the rate of discharge, the daily discharge volume, and will provide the flow data required for the calculation of the flow-weighted average turbidity.</li> <li>(e) The data from the flow recorder and turbidity meter at the discharge point will be used to produce the flow—weighted average turbidity for all discharges within each 24-hour period.</li> <li>(f) Replacement turbidity meters shall be calibrated to provide a direct, linear relationship between suspended solids and NTU.</li> <li>(g) Operational turbidity meters shall be re-calibrated at intervals not exceeding 6 months, to ensure a direct, linear relationship between suspended solids and NTU is maintained.</li> </ul>			It is proposed to replace Existing Condition 4.2 with Proposed General Condition 17 which sets out requirements relating to the water monitoring programme.
<b>DP 4.3</b>	<p><b>WETLAND</b></p> <ul style="list-style-type: none"> <li>(a) The Consent Holder shall maintain and protect the natural wetland in the lower reaches of the Northside stream.</li> </ul>			It is proposed to replace Existing Condition DP 4.3 with Proposed General Condition 21 which sets out requirements relating to the Wetlands Management Plan.

Existing Condition No #	Existing Condition	Proposed Condition	Proposed Condition No #	Comment or Change from existing condition (where applicable)
<b>Logging and Reporting Conditions</b>				
DP 5.1	The recorded readings from the flowmeter and the two turbidity meters shall be retained for a period of 60 days and made available to the ARC on request.			It is proposed to replace Existing Condition DP 5.1 with Proposed General Condition 17 which sets out requirements relating to the water monitoring programme. Record retention is also to be outlined in the WQMP.
DP 5.2	<p>MONTHLY REPORT</p> <p>(a) The Consent Holder shall provide to the Manager a report for each calendar month that this consent is exercised. One monthly report may be prepared covering the three consents for treated process water and stormwater discharges (Permit Numbers. 983541, 983542 and 984086). The report shall include:</p> <ol style="list-style-type: none"> <li>i. All monitoring and turbidity meter calibration data required to determine compliance with the conditions of this consent;</li> <li>ii. A summary of compliance with all monitored parameters of this consent.</li> </ol> <p>(b) Data in the monthly report will be provided in a spreadsheet in a format agreed to with the Manager, and shall be provided to ARC on or before the 10th day of the month following data collection.</p> <p>(c) The Consent Holder shall maintain a record of all monitoring data for the term of the consent and these records shall be made available to any servant or agent of the Council upon request.</p>			It is proposed to replace Existing Condition DP 5.2 with Proposed General Conditions 22 and 24 which require an Annual Report and a Five Yearly Report, together with reporting to the Environment Committee, required by Proposed General Condition 7.
DP 5.3	<p>ANNUAL REPORT</p> <p>(a) The Consent Holder shall prepare an annual report on all aspects of the treated process water and stormwater discharge to the Northside stream, including but not necessarily limited to:</p> <ol style="list-style-type: none"> <li>i. A summary of trends in discharge water quality and quantity;</li> <li>ii. A summary of the overall environmental performance of the Glenbrook Mill in terms of treated process water and stormwater discharges to the Northside stream, including waste minimisation, and improvements in process water and stormwater treatment and recycling;</li> <li>iii. Other works that have been undertaken during the year to improve environmental performance, and proposed works that are intended to improve environmental performance during the next year.</li> </ol> <p>(b) The annual report is to be in a format approved by the Manager and will be provided to ARC on or before the 1st August each year.</p> <p>(c) One annual report may be prepared covering the three treated process water and stormwater discharge consents (Permit Numbers. 983541, 983542 and 984086) for the Glenbrook Mill.</p>			It is proposed to replace Existing Condition DP 5.3 with Proposed General Conditions 22 and 24 which require an Annual Report and a Five Yearly Report, together with reporting to the Environment Committee, required by Proposed General Condition 7.
DP 5.4	<p>INCIDENT REPORTING</p> <p>(a) The Consent Holder shall record all incidents that either results in non-compliance or presents a risk of serious non-compliance with any of the conditions of this consent. These records shall be made available to a</p>			It is proposed to replace Existing Condition DP 5.4 with Proposed General Condition 9 which includes a requirement to set out incident reporting requirements in the WQMP.



Existing Condition No #	Existing Condition	Proposed Condition	Proposed Condition No #	Comment or Change from existing condition (where applicable)
	<p>servant or agent of the ARC upon their request and a summary shall be provided to the ARC on a monthly basis.</p> <p>(b) For any incident capable of affecting human health or the biota of the Northside stream, the Consent Holder shall:</p> <ol style="list-style-type: none"> <li>i. As soon as practicable, inform the ARC by email and/or facsimile of the time, date and nature of the incident;</li> <li>ii. Provide telephone numbers or other contact details of staff;</li> </ol> <p>(c) A written Preliminary Incident Report shall be prepared and provided to ARC Within three working days of any incident requiring notification under Condition 5.4 (b). The Preliminary Incident Report shall provide details of:</p> <ol style="list-style-type: none"> <li>i. The time, duration, nature and cause of the incident;</li> <li>ii. The volume of wastewater and/or stormwater discharged that did not comply with the maximum concentration limits;</li> <li>iii. The actions undertaken, including any additional monitoring;</li> <li>iv. An initial assessment of the environmental impact of the non-complying discharge.</li> </ol> <p>(d) A written Final Incident Report will be prepared and provided to ARC by email within 15' working days of the time of the incident requiring notification under Condition 5.4 (b). The Final Incident Report shall provide full details of:</p> <ol style="list-style-type: none"> <li>i. The incident and the cause or causes;</li> <li>ii. The adequacy of responses by the Consent Holder in terms of its Contingency Planning;</li> <li>iii. The results of all relevant routine and additional monitoring;</li> <li>iv. An assessment Of environmental consequences;</li> <li>v. Identification of additional safeguards that could be reasonably implemented to prevent any future recurrence;</li> <li>vi. A programme for implementation of safeguards referred to in Condition 5.4 d(v).</li> </ol>			
<b>Review Condition</b>				
<b>DP 6.1</b>	<p>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 May 2004 and every five years thereafter in order:</p> <ol style="list-style-type: none"> <li>(a) To review compliance with the conditions of this consent</li> <li>(b) To review the maximum permitted daily and monthly flow-weighted average suspended solid limits with a view to changing those standards as necessary to minimise adverse effects on the receiving environment.</li> <li>(c) To review progress and improvements in waste minimisation, water recycling, and stormwater control and treatment.</li> </ol>			It is proposed to replace all existing section 128 review conditions with Proposed General Condition 8.
<b>North Stream diversion (Div) 812691</b>				
<b>Special conditions of right</b>				



Existing Condition No #	Existing Condition	Proposed Condition	Proposed Condition No #	Comment or Change from existing condition (where applicable)
Div 1	That final details of the stream diversion including drawings and hydraulic calculations of channel and culvert capacities be submitted to the Manager, Regional Water Board, for approval at least 5 weeks before works commence.			Existing Condition Div 1 is not proposed to be included as the stream diversion is in place.
Div 2	That provision be made for the controlled discharge or ponding of stormwater exceeding the capacity of the channel and/or pipe system, including that resulting from possible culvert blockages.			Existing Condition Div 2 is not proposed to be included as no changes are proposed to the channel or the surrounding area, provision for controlled discharge or ponding of stormwater will be maintained.
Div 3	That any new permanent buildings adjacent to the diversion, or any secondary flow or storage area, shall be constructed with 1m freeboard to the critical 1 in 50 year return period storm, except for minor accessory buildings where the freeboard may be reduced down to a minimum of 300mm.			Existing Condition Div 3 is not proposed to be included as the stream diversion has been in place for many years and building consent requirements will apply to any new buildings.
Div 4	That watercourse diversion pipes be built with inlet and outlet structures of such design as to minimise: (a) The risk of blockage of the pipe, and (b) Erosion of the watercourse, The designs and construction of the said structures to be to the satisfaction of the Manager, Regional Water Board.			Existing Condition Div 4 is not proposed to be included as the stream diversion is in place.
Div 5	That every reasonable measure shall be taken during construction to control erosion of exposed earthwork areas and the discharge of silt into natural waters. Measures to prevent silt discharges shall be undertaken to the satisfaction of the Manager, Regional Water Board, and will be required to comply generally with the Auckland Regional Water Board Technical Publication No. 7 "Urban Earthworks", April 1979.			Existing Condition Div 5 is not proposed to be included as the stream diversion is in place.
Div 6	That the grantee for each stage of construction, before earthworks commence, submit to the Manager, Regional Water Board, for approval, the general proposals for erosion and siltation control.			Existing Condition Div 6 is not proposed to be included as the stream diversion is in place.
Div 7	That the grantee shall modify erosion and siltation control measures as required to suit day to day earthwork construction. Any major change from control concepts, as approved under Condition 6 shall be submitted to the Manager, Regional Water Board, for approval before construction.			Existing Condition Div 7 is not proposed to be included as the stream diversion is in place.
Div 8	That any silt retention ponds shall, at all times, through all stages of development, satisfy the following criteria: (a) The ponds shall be designed and constructed to the satisfaction of the Manager, Regional Water Board, and shall be operational before earthworks commence. (b) The available storage capacity in each pond shall retain the runoff from the estimated two years, one hour storm before any overflow. (c) The maximum discharge from storms not exceeding the two year, one hour storm shall be 20 litres per second per hectare of contributing catchment. (d) Each pond shall have an emergency spillway capable of passing the runoff from the five year storm without causing stopping of the dam. (e) The pond embankments, emergency spillways, and downstream slopes shall be compacted and protected against damage by scour or erosion. That the Grantee shall maintain all erosion and siltation control measures to a standard which in the opinion of the Manager, Regional Water Board, ensures that the controls meet the conditions of this right.			Existing Condition Div 8 is not proposed to be included as the stream diversion is in place.

Existing Condition No #	Existing Condition	Proposed Condition	Proposed Condition No #	Comment or Change from existing condition (where applicable)
<b>Discharge of leachate</b>				
<b>Closed Landfill Management Plan</b>				
		<p>Within 6 months of the date of commencement of this consent a Closed Landfill Management Plan (CLMP) must be prepared by the Consent Holder and submitted to the Council for certification.</p> <p>The overall objective of the CLMP is to describe the operating and management procedures to be adopted for the Closed West Landfill (previously Brookside Landfill) to ensure compliance with these consent conditions.</p> <p>The CLMP must include, but not be limited to:</p> <ul style="list-style-type: none"> <li>(a) Identification of relevant employee roles and responsibilities in relation to the CLMP;</li> <li>(b) A monitoring programme relevant to the inspection of the landfill cap and infrastructure; and</li> <li>(c) Maintenance, inspection and ongoing management requirements to maintain the integrity of the closed landfill, including reporting, if required.</li> </ul>	30	This condition is proposed to be added to set out the requirements for the CLMP which is proposed to meet the requirements of AUP Chapter E13 to be a site aftercare plan.

## SCHEDULE 1

General notes:

- Monitoring parameters, sampling location and frequency of sampling shall be in accordance with Schedule 1 for two years following commencement of consent. After this time, parameters, sampling locations and frequency may be amended following review of the WQMP (refer to Conditions 12 and 17).
- Trigger Investigation Levels are specified in the WQMP (refer to Condition 17)

### NORTHSIDE AND SOUTHSIDE OUTFALLS

**Table 1: Discharge monitoring at Northside and Southside Outfalls<sup>1</sup>**

Parameter	Northside Outfall	Southside Outfall
Volume	Continuous	Continuous
Temperature	Continuous	Continuous
Turbidity	Continuous	Continuous
pH	Daily composite	Daily composite
PAHs	Monthly	Monthly
TSS	Daily composite	Daily composite
Conductivity	Daily composite	Daily composite
Hardness	Daily composite	Daily composite
Dissolved organic carbon	Monthly	Monthly
Oil and Grease	Monthly	Monthly
Total Petroleum Hydrocarbons (TPH)	Monthly	Monthly
Aluminium	Monthly	Monthly
Boron	Monthly	Monthly
Cadmium (total)	Quarterly	Quarterly
Chromium total	Quarterly	Quarterly
Copper (dissolved)	Daily composite	Daily composite
Copper (total)	Daily composite	Daily composite
Iron (total)	Daily composite	Daily composite
Lead (total)	Quarterly	Quarterly
Nickel (total)	Quarterly	Quarterly
Vanadium (total)	Daily composite	Daily composite
Zinc (dissolved)	Daily composite	Daily composite
Zinc (total)	Daily composite	Daily composite

**Note 1:**

- “Quarterly”/ “Monthly” are composite samples, except for oil and grease, dissolved organic carbon, TPHs and PAHs which would be grab samples.
- “Daily composite” refers to daily samples, based on predetermined aliquot which is taken on a time or flow basis.

**Table 2: Consent Limits for Northside and Southside Outfalls**

Parameter	Northside Outfall proposed Consent Limit	Southside Outfall proposed Consent Limit
pH	6-9.5	6-9.5
TSS	15 mg/L (monthly flow weighted average)	15 mg/L (monthly flow weighted average)
Zinc concentration	0.11 mg/L (three monthly flow weighted average)	0.08 mg/L (three monthly flow weighted average)
Zinc load	1 kg/day (three monthly flow weighted average)	-
Cadmium	0.055 mg/L (three monthly flow weighted average)	0.055 mg/L (three monthly flow weighted average)
Chromium	0.044 mg/L (three monthly flow weighted average)	0.044 mg/L (three monthly flow weighted average)
Copper	0.013 mg/L (three monthly flow weighted average)	0.013 mg/L (three monthly flow weighted average)
Lead	0.044 mg/L (three monthly flow weighted average)	0.044 mg/L (three monthly flow weighted average)
Nickel	0.7 mg/L (three monthly flow weighted average)	0.7 mg/L (three monthly flow weighted average)

**RUAKOHUA STREAM AND KAHAWAI STREAM CATCHMENTS**

**Table 3: Discharge and freshwater monitoring at Ruakohua Stream and Kahawai Stream catchments<sup>1</sup>**

Parameter	Ruakohua Stream catchment	Kahawai Stream catchment
	<ul style="list-style-type: none"> <li>Contractor's Compound</li> <li>Yard 31</li> <li>Future Ruakohua ITA Discharges</li> </ul>	<ul style="list-style-type: none"> <li>Future Kahawai ITA Discharges</li> <li>Kahawai Culvert</li> </ul>
Temperature	Quarterly	Quarterly
pH	Quarterly	Quarterly
TSS	Quarterly	Quarterly
Conductivity	Quarterly	Quarterly
Hardness	Quarterly	Quarterly
Dissolved organic carbon	Quarterly	Quarterly
Oil and Grease	Quarterly	Quarterly
Aluminium	Quarterly	Quarterly
Boron	-	Quarterly
Copper (total)	Quarterly	Quarterly
Iron (total)	Quarterly	Quarterly
Vanadium (total)	Quarterly	Quarterly
Zinc (total)	Quarterly	Quarterly

**Note 1:** "Quarterly" are grab samples during rain events. Rain events are as specified in the WQMP.

**NORTH DRAIN**

**Table 4: Discharge and freshwater monitoring at North Drain catchment and Buffer Scrap Yard**

Parameter	North Drain ITA catchment <sup>1</sup>		North Drain catchment – downstream <sup>2</sup>	North Drain: Dewatering Plant <sup>3</sup>	Buffer Scrap Yard discharges (once operational)*
	<ul style="list-style-type: none"> <li>Coal Yard 19 Pond</li> <li>CY1/2 East Pond</li> </ul>	<ul style="list-style-type: none"> <li>Y56K Pond</li> <li>Future North Drain ITA Discharges</li> </ul>	Site 1	Dewatering Plant	Buffer Scrap Yard
Volume	-	-	-	Continuous	-
Temperature	Monthly	Monthly	Weekly	Monthly	Monthly
Turbidity	Continuous	-	Continuous	Continuous	-
pH	Monthly	Monthly	Weekly	Monthly	Monthly
TSS	Monthly	Monthly	Daily composite	Monthly	Monthly
Conductivity	Monthly	Monthly	Daily composite	Monthly	Monthly
Hardness	Monthly	Monthly	Daily composite	Monthly	Monthly
Dissolved organic carbon	Monthly	Monthly	Daily composite	Monthly	Monthly
PAHs*	-	-	Weekly	-	Monthly
TPH*	-	-	-	-	Monthly
Oil and Grease	Monthly	Monthly	-	Monthly	Monthly
Aluminium	Monthly	Monthly	Daily composite	Monthly	Monthly
Boron	Monthly	Monthly	Daily composite	-	Monthly
Cadmium (total)	-	-	Daily composite	-	-
Chromium total	-	-	Daily composite	-	-
Copper (total)	Monthly	Monthly	Daily composite	Monthly	Monthly
Iron (total)	Monthly	Monthly	Daily composite	Monthly	Monthly
Lead (total)	-	-	Daily composite	Monthly	-
Nickel (total)	-	-	Daily composite	-	-
Vanadium (total)	Monthly	Monthly	-	Monthly	Monthly

Zinc (total)	Monthly	Monthly	Daily composite	Monthly	Monthly
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**Note 1:** For the North Drain ITA catchment, "Monthly" are grab samples during rain events. Rain events are as specified in the WQMP.

**Note 2:** For Site 1, "Weekly" are composite samples. "Daily composite" refers to daily samples, based on predetermined aliquot which is taken on a time or flow basis.

**Note 3:** For Dewatering Plant, "Monthly" are grab samples (not rain event).

\*Only relevant if External Scrap is stored in this catchment

**Table 5: Consent Limits for Dewatering Plant**

Parameter	Dewatering Plant
Volume	Average 7,400 m <sup>3</sup> /day
Turbidity	20 NTU (monthly flow weighted average)

**Table 6: Consent Limits for North Drain**

Parameter	Site 1 (daily composite sampling)
TSS	50 mg/L (monthly average)
Zinc	0.031 mg/L (monthly average) (80% ANZECC DGV, monthly average)

## COASTAL MONITORING

**Table 7: Coastal monitoring**

Parameters	Benthic ecology and sediment sites	Oyster sites
Sediment grain size	2 yearly	-
Cadmium (total recoverable sediment concentration)	2 yearly	-
Chromium (total recoverable sediment concentration)	2 yearly	-
Copper (total recoverable sediment concentration)	2 yearly	-
Lead (total recoverable sediment concentration)	2 yearly	-
Zinc (total recoverable sediment concentration)	2 yearly	-
Benthic ecology at the control site and at Northside A, and at any other sites where the AC ERC-Red guideline values are exceeded for any metals	2 yearly for the control site and Northside A and 2 yearly where required at other sites	-
Zinc concentration in oysters	-	Yearly
Copper concentration in oysters	-	Yearly
Oyster density, length and condition	-	Yearly