



# New Zealand Steel Glenbrook Resource Consents Replacement

Consultation Brief

Issue 1

## New Zealand Steel

The New Zealand Steel (NZ Steel) business is a producer of flat, rolled steel and long products for the building, construction, manufacturing and agricultural businesses. The fully integrated Steel Mill in Glenbrook is the only domestic producer of steel products from predominantly locally sourced raw materials – iron sand, coal and limestone – in accordance with New Zealand’s strict environmental, employment, safety and quality standards.

NZ Steel is a significant contributor of the national and regional economy, it’s annual contribution to the NZ economy is around \$600 million. For every tonne steel produced in in New Zealand 80% of the dollars spent on that steel stay within New Zealand, compared to only 5% of the dollars spent on imported steel.

NZ Steel employs around 1,500 people and directly and indirectly contributes to over 4,000 jobs within the Auckland region, but the wider effect include over 26,000 people employed in direct metals-based manufacturing. The Mill and associated facilities also have a significant positive impact on local and national businesses and suppliers by utilising their goods and services.

## Resource Consents

NZ Steel has multiple resource consents for the Glenbrook site. Resource consents are granted by the consenting authorities to ensure the business operations are in accordance with the relevant environmental rules and regulations. All activities at the Glenbrook Site are managed to ensure resource consent conditions are met, so any adverse effects on the surrounding environment are appropriately monitored to minimise any effects.

A number of the Steel Mill resource consents relating to the air and water discharges will expire in late 2021, as shown in the table below. NZ Steel is in the process of preparing an application to replace these expiring consents.

The new resource consents are essential for the continuation of the existing operations.

*Summary of NZ Steel Glenbrook Resource Consents Expiring in 2021*

Consent Name	Auckland Council Reference Number	Description	Comments	Expiry
<b>Air Discharge</b>	14317	To authorise the discharge of contaminants to air from the production of iron and steel and associated activities within the Glenbrook Iron and Steel Zone		1 Nov 2021
	DIS60363772	Commercial Iron Plating		1 Nov 2021
<b>Northside Outfall Discharge</b>	21575	To authorise the discharge of treated process water and stormwater into the coastal marine area from the Northside Outfall	A coastal permit for discharges that is also deemed to be an industrial and trade activity (ITA) resource consent	31 December 2021
<b>Southside Outfall Discharge</b>	21576	To authorise the discharge of treated	A coastal permit for discharges that is	31 December 2021

NZ Steel Glenbrook Resource Consents  
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Consent Name	Auckland Council Reference Number	Description	Comments	Expiry
		process water and stormwater into the coastal marine area from the Southside Outfall	also deemed to be an ITA resource consent	
<b>Industrial or Trade Activity (ITA) Discharges</b>	41027	To discharge contaminants from and industrial or trade activity	Covers parts of the site not included in the Northside and Southside Catchments	31 December 2021
<b>Occupation of the CMA by discharge structure</b>	23877	To authorise the occupation of part of the coastal marine area (CMA) with a discharge structure	Relates to the Southside Outfall structure	31 December 2021
<b>Dewatering or "Dew" plant discharge</b>	21577	To authorise the discharge of clarified wastewater from the ironsand slurry dewatering plant to the North Stream		31 December 2021
<b>North Stream Diversion</b>	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	There is no new diversion of streams proposed; the replacement consent is necessary to get approval for the continuation of the existing discharges.	1 October 2026



## Application Process and Timeframe

The indicative date of lodgement of the applications to Auckland Council is in April 2021 for the Air Discharge Permit application and early June 2021 for the Water Discharge Permit application.

In preparation for the resource consent applications NZ Steel has started the following processes

- Pre-application meetings with Auckland Council
- Commissioning independent technical experts to assess the environmental effects of the activities covered by the resource consent application. The expert assessments will include:
  - air quality
  - public health
  - water quality
  - freshwater, coastal and terrestrial ecology
  - landscape and visual effects
  - operational, maintenance and management Plans
- Stakeholder engagement –
  - identifying potentially interested parties (including neighbours, local community, Tangata Whenua, Local and National Interest Groups) that may want to be involved in discussions around NZ Steel's resource consent applications
  - supplying easily accessible information and answers to questions that may arise regarding the re-consenting process
  - inviting stakeholders to express focal points and emerging concerns before lodgement of the consent applications

An overview of the general resource consent application process is available on the Ministry for the Environment website: [www.mfe.govt.nz](http://www.mfe.govt.nz) [Guide to Resource Consent Application](#)

## Tangata Whenua

NZ Steel is committed to strengthening their existing relationship with local iwi and to foster mutual respect. Cultural and traditional activities might be affected by the Glenbrook Steel Mill's consent renewal process, and the importance of seeking consultation and discussion is recognised.

In accordance with the Resource Management Act 1991 (RMA), NZ Steel recognises that Maori relationships with land and water are a matter of national importance and regard must be had to their role of kaitiakitanga (guardianship).

We have a long-standing relationship with Ngāti Te Ata and Ngāti Tamaoho, as such over the last few months we have sought their contribution in assessing cultural values in relation to the Glenbrook Steel Mill activities.

In addition, NZ Steel recognises that a number of Iwi have made applications for customary marine title or protected customary rights in the area relevant to the Glenbrook Steel Mill (the Manukau Harbour, and in particular the Waiuku Channel). In accordance with the Marine and Coastal Area (Takutai Moana) Act 2011, NZ Steel notified relevant iwi to seek their views.

## Environmental performance

NZ Steel has a comprehensive monitoring programme for discharges to air and water. Some of these monitoring results are required by conditions of the existing resource consents and regularly reported to Auckland Council.

NZ Steel has an excellent compliance record and adheres to a range of environmental policies and practices. These can be viewed on the NZ Steel Website ([www.nzsteel.co.nz](http://www.nzsteel.co.nz)). This is supported through its mature environmental management system certified to ISO14001.

NZ Steel has a continual focus on improving its practices to further reduce the environmental effects of its manufacturing activities.

The most notable recent environmental improvements relating to air and water discharges are:

- Reducing product tipping to minimise dust
- Upgrading stormwater treatment systems
- Reducing water consumption
- New high capacity water truck and sweeper to reduce dust on site
- Fixed water spraying to reduce dust around landfill

NZ Steel also sponsors several community programmes relating to environmental awareness such as the Tread Lightly Caravan, Trees for Survival and Te Whangai Trust.

## More information

- About NZS products and the manufacturing process: NZS website ([www.nzsteel.co.nz](http://www.nzsteel.co.nz))
- About NZS accreditation to NZ eco-labelling specification (Environmental Choice):  
<https://www.environmentalchoice.org.nz/>

## Updates

This brief will be updated during the time the consent is being processed:

- Technical Summary
- Consultation Summary
- Progress through Council

Please advise us if you would like to receive periodic updates, by emailing our Environment Team at [nzsakl.environment@bluescopesteel.com](mailto:nzsakl.environment@bluescopesteel.com)

*Claire Jewell*

Environment Manager

**NEW ZEALAND STEEL LIMITED**

("the Company")

**MINUTES OF ENVIRONMENTAL COMMITTEE MEETING**

**HELD 20 JULY 2020 AT 10.00 AM**

<b><u>PRESENT:</u></b>	Grant Huggins (Chairperson)	New Zealand Steel
	Gretta Stephens	New Zealand Steel
	Alex Ross	New Zealand Steel
	Claire Jewell	New Zealand Steel
	Amy Hill	New Zealand Steel
	Pali Panchia	New Zealand Steel
	Vicki Woodley	New Zealand Steel
	Mark Weaver	SteelServ
	John Whitmore	Auckland Regional Public Health Service
	Zac Rutherford-Sirett	Ngaati Tamaoho Trust
	David Yates	Federated Farmers
	Nicola Taylor	Auckland Council (via Teams)
	Isabella Wang	Auckland Council (via Teams)
	Matthew Murphy	Franklin Local Board (via Teams)
<b><u>APOLOGIES:</u></b>	Tom Harper	New Zealand Steel
	John Turner	Glenbrook Irrigation Company

Ms Jewell commented on the new format of these meetings and Agenda, noting the additional item for Glenbrook Resource Consent applications. She noted that compliance monitoring reports and a summary are now circulated prior to the meeting with the opportunity to raise any queries or feedback at the meeting.

**1. PREVIOUS MINUTES**

The minutes of the meeting held on 16 March 2020, having been circulated, were accepted as a true and correct record.

**2. COVID-19 IMPACT OVERVIEW**

Ms Stephens reported on the COVID restrictions placed on the business by the Government, given NZS was not considered to be an essential business. She noted that normal operations did not occur during the Level 4 lockdown period. She noted that Ms Jewell and the Auckland Council had discussed (around March 26) what provisions NZS could make for environmental compliance monitoring under the Care and Maintenance program that was in place March 26 to April 28.

Mr Yates inquired about brown clouds that were seen and noticed by neighbours. Mr Ross commented that this was the result of tipping molten iron (referred to as iron plating), rather than RPCC tipping (which is from the kilns). During normal operations, tipping of molten iron does not typically occur outside of maintenance shuts or breakdowns, as the iron would be processed in the Steel Plant.

Ms Jewell commented that the visible cloud is more like a fume, consisting of fine particles which typically dissipates within the site boundary. The fine particles are not the source of the dust that is periodically evident outside NZS property (rusting particles originate from tipping of RPCC). Mr Ross explained the process which resulted in this fume during the Care and Maintenance period was tipped during the day time only.

Ms Stephens commented that NZS is currently preparing to undertake trials on how to reduce/minimise fume. Mr Ross explained the effects of Care and Maintenance on the NZS operations, which meant iron as not processed into steel and the rolling or coating plants did not operate. The feed (supply) of material into and through the Kilns and Melters was slowed down to minimise iron production (around ¼ of normal production). This allowed the Iron Plant to supply steam to the Alinta Cogeneration facility, as it feeds BOC gases to make medical grade oxygen. During this period the Steel Plant operation was limited to recovery of the vanadium slag, which reduced the amount of hot material tipped from the iron ladle. To minimise damage to equipment some needed to be kept warm during the Care and Maintenance period. Ms Stephens said key stakeholders were contacted and informed of what was happening.

### 3. AIR QUALITY DISCHARGE WATER MONITORING

Ms Jewell noted the report with details and summary for the period March to June 2020 as circulated and taken as read. In summary:

- Iron Plating and RPCC dumping was higher over the reporting period due to COVID-19 Care and Maintenance which required iron to be tipped and not processed into steel.
- Ambient dust monitoring – No exceedance of trigger levels was recorded for the reporting period.
- Stack emission tests (particulates and HCL) – all testing was completed by mid-March and reported as in full compliance.
- Air Improvement activities – As outlined in the presentation a new, more efficient water truck has been purchased and was in use from June. Also, a wheel bath was installed for trucks leaving site at the northern gate.

### 4. LANDFILL EAST MONITORING

Ms Jewell noted the report with details for the period March to June 2020 as circulated and taken as read.

### 5. DISCHARGE WATER MONITORING

Ms Jewell noted the report with details and summary for the period March to June 2020 as circulated and taken as read. In summary:

- Northside and Southside Outfall – water discharge quality was in full compliance. In June, the monthly average discharge volume was exceeded at the Northside Outfall.
- Annual Mixing Zone Pacific Oyster Sampling – results from the annual sampling survey for Zinc are shown and an overview of the mixing zone monitoring program provided. In response John Whitmore the key graphs for Zinc are re-presented with the limit for human consumption now displayed on the graph as the red line.
- Iron Sand Dewatering Plant – discharge had one non-compliance of short duration (6 minutes).
- Discharge to the North Stream (ITA Consent) – there was no sampling in March and April due to low rainfall. For the rain-related discharges from the main raw materials years to the North Stream. Eight analytes exceeded the trigger level.
- Discharge to Kahawai Stream (ITA Consent) – water quality has shown improvements since some of the earthworks have started. No rain related sampling was undertaken in March and April. Two analytes exceeded the trigger level in May.

Mr Rutherford-Sirett commented on the very dry summer and the recent heavy rainfalls and asked about how this affected the Site in terms of coping with heavy rainfall events. Ms Jewell advised that there is a first flush however the ponds are set up with surge capacity and were able to deal with this as it had been so dry. This is also closely monitored. Ms Jewell advised that the Company is working on improving the raw material handling areas.



## 6. NOISE LIMITS

Ms Jewell noted the report for the period March to June 2020 as circulated and taken as read. In summary, levels in the community were below the trigger levels defined for the industrial site.

## 7. COMPLAINTS

Ms Jewell noted the report for the period March to June 2020 as circulated and taken as read. In summary, two complaints were received and both were due to increased plating clouds attributable to the Glenbrook Site under COVID-19 Care and Maintenance.

## 8. RESOURCE CONSENT APPLICATIONS

Ms Jewell presented an initial briefing report on the resource consent renewal application process for discharges to Air, Water and Land (refer to the report for further details). In summary, the following was noted:-

- Overview of Glenbrook Steel Mill, Ironmaking process and Steelmaking process;
- Briefed Auckland Council in June;
- Application will be lodged April 2021;
- Ongoing technical studies by BioResearchers and Tonkin & Taylor underway;
- A stakeholder management plan developed and anticipate engaging with a range of Stakeholders;
- Indicative timeframe for preparing application and engagement program outlined;
- Water Take Resource Consent application lodged early March with Waikato Regional Council and is being processed.

## 9. GENERAL

Mr Whitmore noted the closure of the Aluminium Smelter at Tiwai Point and inquired if the Steel Mill is in a similar position. Ms Stephens advised that the Company does very much have some challenges and a strategic review on production and footprint of the business so that it is sustainable, is currently underway.

Mrs Woodley reported that the Company was finalising a NZPI Sustainability Report which would be sent to members and will also be available online.

## 9. NEXT MEETING

The next meeting date is Monday, 23 November 2020.

The meeting closed at 11.15am.

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G. Huggins

**NEW ZEALAND STEEL LIMITED**

("the Company")

**MINUTES OF ENVIRONMENTAL COMMITTEE MEETING**

**HELD 23 NOVEMBER 2020 AT 10.00 AM**

<b><u>PRESENT:</u></b>	Grant Huggins (Chairperson)	New Zealand Steel
	Gretta Stephens	New Zealand Steel
	Alex Ross	New Zealand Steel
	Claire Jewell	New Zealand Steel
	Robert Bebelman	New Zealand Steel
	Simon Harvey	New Zealand Steel (via Teams)
	Conrad Bezuidenhout	New Zealand Steel
	Pali Panchia	New Zealand Steel
	Vicki Woodley	New Zealand Steel
	Edit Simpson	New Zealand Steel
	Mark Weaver	SteelServ
	Sarah Gilmore	Auckland Regional Public Health Service
	Zac_Rutherford-Sirett	Ngāti Tamaoho Trust
	David Yates	Federated Farmers
	Nicola Taylor	Auckland Council (via Teams)
	Isabella Wang	Auckland Council (via Teams)
	Sharlene Druyven	Franklin Local Board (via Teams)
<b><u>APOLOGIES:</u></b>	John Whitmore	Auckland Regional Public Health Service
	John Turner	Glenbrook Irrigation Company
	Roimata Minhinnick	Ngāti Te Ata

Ms Jewell reiterated on the new format of these meetings and Agenda, noting the additional item for Glenbrook Resource Consent applications. She noted that compliance monitoring reports and a summary are now circulated prior to the meeting with the opportunity to raise any queries or feedback at the meeting.

**1. PREVIOUS MINUTES**

The minutes of the meeting held on 20 July 2020, having been circulated, were accepted as a true and correct record.

**2. DISCHARGE WATER MONITORING**

Ms Jewell noted the report with details and summary for the period July to October 2020 as circulated and taken as read. In summary:

- Northside and Southside Outfall – water discharge quality and volume were in full compliance with consent conditions.
- Annual Mixing Zone Pacific Oyster Sampling – undertaken in late August. Results have been incorporated into a full assessment to support the upcoming Consent Application and an overview will be provided in the update on Consent Applications.
- Iron Sand Dewatering Plant – water discharge quality and volume were in full compliance with consent conditions.
- Discharge to Kahawai Stream (ITA Consent) – for the rain-related discharge from the main raw material yards to the North Stream, one analyte exceeded the trigger investigation level (from 12 samples taken).

- Discharge to Ruakahua Stream – For the rain-related discharges from Contractors Yard and Yard 31, six analytes exceeded the trigger investigation levels for Yard 31 runoff area only. Appears to be related to scouring of an upper catchment drain and also decant device detached reducing settling capacity of pond. The decant device has been repaired.

Mr Yates commented on the number of analytes discharged to the streams. Ms Jewell advised that there had not been enough rain to sample and can only do when there is good rainfall. She also advised that the report for Oyster sampling which was extended for analytical tests, was not yet finalised.

### 3. AIR QUALITY MONITORING

Ms Jewell noted the report with details and summary for the period July to October 2020 as circulated and taken as read. In summary:

- Iron Plating was higher over the reporting period due to Steel Plant vessel brerakout.
- Ambient dust monitoring – trigger investigation levels were exceeded on two occasions, Training Centre and Glenbrook Beach Road during the reporting period. Both related to the same high-wind event. Work continued with the key capital projects to reduce fugitive dust, including delivery of a new road sweeper and road sealing.
- Stack emission tests (particulates and HCL) – all testing was completed and reported as in full compliance with consent limits. There was some catch up sampling completed during the reporting period as they hadn't been able to be completed in March due to Covid-19.

Mr Rutherford-Sirett inquired about measures taken for dust control. Mr Weaver reported that a Water Tanker was purchased earlier this year and another is due in December. Recycled water from the ponds is used. Ms Stephens commented on the wheel bath and resealing of roads. Ms Jewell also commented on other improvements items outlined in the report.

### 4. LANDFILL EAST MONITORING

Ms Jewell noted the report with details for the period July to October 2020 as circulated and taken as read. The landfill surface water and groundwater and for the rain-related discharges associated with the landfill activity (clean-water drains) and the groundwater monitoring bore, all analytes were below the trigger investigation levels. Ms Stephens advised that as a result of the Company recycling materials/products, the material going to the landfill is reducing.

### 5. NOISE LIMITS

Ms Jewell noted the report for the period July to November 2020 as circulated and taken as read. In summary, the night-time ambient noise levels recorded in the community were below the trigger levels defined for the industrial zone.

### 6. COMPLAINTS

There were no complaints received for the reporting period.

### 7. RESOURCE CONSENT APPLICATIONS

Ms Jewell presented an update briefing report on the resource consent renewal application process for discharges to Air, Water and Land (refer to the report for further details). In summary, the following was noted:-

- Indicative timeframe for preparing NZS application;

- Key aspects of technical assessments;
- Terrestrial and Marine Vegetation Survey;
- Freshwater Ecological Survey – completed August 2020;
- Analysis and key findings to date for water discharges to Waiuku Estuary and freshwater streams;
- Analysis and key findings to date for Air Discharges;
- Stakeholder engagement update to November 2020 and from December to February 2021;
- NZ Steel internet site updated and available with environmental information.

Ms Druyven inquired if the Council Healthy Waters is sending the Waiuku basin water testing results to Ms Jewell. She replied that she was not receiving these nor was she aware that the Company was.

Mr Yates inquired what the period of the new resource consent would be. Ms Jewell advised that this would not be known until the application submitted to the Council and the process started however would be seeking 25 years. The Resource Management Act allows for 35 years.

#### 8. GENERAL

The meeting dates for 2021 will be circulated once confirmed.

The meeting closed at 11.10am.

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G. Huggins, Chairperson



## NEW ZEALAND STEEL LIMITED

### MINUTES OF ENVIRONMENTAL COMMITTEE MEETING HELD 22 March 2021 AT 10.00 AM

<b><u>PRESENT:</u></b>	Alex Ross (Chairperson)	New Zealand Steel
	Gretta Stephens	New Zealand Steel
	Claire Jewell	New Zealand Steel
	Mark Weaver	SteelServ
	Vicky Woodley	New Zealand Steel
	Zac Rutherford-Sirrett	Ngāti Tamaoho Trust
	Amy Hill	New Zealand Steel
	Edit Simpson	New Zealand Steel
	Simon Harvey	New Zealand Steel (via Teams)
	Nicola Taylor	Auckland Council (via Teams)
	Isabella Wang	Auckland Council (via Teams)
	Sharlene Druyven	Franklin Local Board (via Teams)
	Matthew Murphy	Franklin Local Board (via Teams)
	John Whitmore	Auckland Regional Public Health Service (via Teams)

#### **APOLOGIES:**

Grant Huggins	New Zealand Steel
Roimata Minhinnick	Ngāti Te Ata

#### 1. PREVIOUS MINUTES

The minutes of the meeting held on 23 November 2020, having been circulated were accepted as a true and correct record.

#### 2. AIR QUALITY AND LANDFILL EAST MONITORING AND IMPROVEMENTS

Claire Jewell noted the report with details and summary for the period November 2020 to February 2021 as circulated and taken as read.

In summary:

- Iron Plating above target in November and December due to Steel Plant operational delays and significant breakdowns.
- Ambient air trigger investigation levels had been exceeded on 12 occasions at the Training Centre and Glenbrook Beach Road monitoring stations in October.
- Stack tests showed full compliance, delays in testing due to Covid 19
- Landfill groundwater and surface water monitoring results all below trigger investigation levels.

Key activities:

- Restarted Capital Project for fixed water sprays at landfill – planned to be completed by early June
- Sealing of two roads in northern area



- New 30,000L water truck
- The effectiveness of these new control measures will be observed in data collected over the next year.

Gretta Stephens' requested Mark Weaver to explain the iron plating fume control control improvements. He presented a video illustrating the significant reduction in iron-oxide plating ("brown cloud") discharge:

- Nitrogen is used to suppress the oxygen reaction.
- The equipment was designed and manufactured on site by resident staff. Trials of the commercialised version of the initial design are currently underway.
- Alex Ross added, that three suppression units are to be constructed; two for regular use (the first one is already in use, the second will be available in the second half of the year) and one backup.
- It is predicted that 90% of plating fume will be suppressed once the units are trialled and commissioned by the end of the calendar year.
- There will be still occasions where the new system will not be able to be used for technical reasons, but these occurrences are expected to be well below the levels before the commercial production of iron plate started.
- Gretta Stephens and Claire Jewell emphasised the innovation and effort resulting in the success in overcoming a long-term issue.
- Claire Jewell mentioned that Tonkin + Taylor has undertaken a study evaluating the effect of the plating discharge on the ambient air quality (without the suppression), and found it insignificant, and did not posing significant health effects.
- Gretta Stephens suggested to present the plating air quality data in such a format that gives a clearer interpretation of the increase in the plating activity and production targets. Most likely to be a graph showing unsuppressed plating fume.

### 3. WATER DISCHARGE MONITORING

Claire Jewell noted the report with details and summary for the period November 2020 to February 2021 was circulated and taken as read.

In summary:

- Northside and Southside Outfalls – water discharge quality and volume were in full compliance with consent conditions.
- Two non-compliances at the dewatering plant.
- 132 samples for stormwater runoff were taken (low rain period), 16 analytes were over investigation trigger levels.

Key activities

- Further zinc reduction in Northern catchment
- Managing Northside discharge volumes

Additional Information

- water quality guidelines (ANZWQ Guidelines) for Zinc have been recently lowered and these changes will be reflected in the resource consent application – significant reduction of zinc concentrations in the Northside outfall discharge has already been achieved by modifying existing



controls at the sources. Copper is expected to also be lowered and is reflected in the resource consent application.

- Marine ecology of the mixing zone in the estuary around the discharges is monitored regularly as required by current consent conditions
- Best Practicable Option (BPO) Review will be presented with the consent application

#### 4. NOISE LIMITS

Claire Jewell noted the report for the period November 2020 to February 2021 as circulated and taken as read. In summary the night-time ambient noise levels recorded in the community were below the trigger levels defined for the industrial zone.

#### 5. COMPLAINTS

There was one complaint received for the reporting period: neighbour reported gutters being filled rapidly with soot-like material. Analysis determined the material was likely wind-blown beach sand and had not originated from the Steel Mill.

#### 6. CONSENT APPLICATION UPDATE

Consent application will be submitted in two parts:

- Air discharge consent by 1<sup>st</sup> April
- Water discharge consent by early June (legal deadline 30 June)
- The Auckland Council Premium Consenting Team has been involved since the beginning of the consent application process

Outcome of air quality assessment technical report

- Fugitive emissions are more difficult to control than point source (stack) emissions.
- Full action plan of best practice controls to be implemented (including lowering stockpile heights, sealing main traffic roads, wheel bath, deploying two water trucks and road sweeper truck)
- Daily and seasonal variation in PM<sub>10</sub> concentrations at the monitoring stations. – Gretta Stephens enquired about background concentrations: Amy Hill providing the relevant graph for TSP at Boundary Road compared to the Training Centre.
- Mark Weaver explains water cart improvements: one water truck was specifically converted from a dump truck. Re-fill speed of the trucks will be improved from 30 to 5 minutes and a more centrally located re-fill station – improving watering efficiency. The trucks are filled with recycled water.
- Chemical air suppressants are being evaluated by T+T – Gretta Stephens emphasised that dust suppressants are not toxic chemicals, the suppressant is added to the water tanker and used to bind fugitive dust discharge.

#### 7. OTHER MATTERS

Vicky Woodley announced that the local newspaper “The Breeze” is publishing a story about the NZ Steel following environmental issues with the profile on water.

Zac Rutherford asked if NZS had been aware of the potential traffic congestions caused by the Paerata Heights developments.



Isabella Wang requires a follow up on the metal cutting yard rehabilitation timeframe – Claire Jewell and Mark Weaver provided update on the progress to date.

Isabella Wang asks for update on surface water runoff from coal yard to the North Stream. Claire Jewell provided summary of update including ponds upgrade and the planned implementation of continuous monitoring within the next month.

#### 8. GENERAL BUSINESS

Claire Jewell reminds the participants that Pali Panchia is no longer responsible for organising and minuting the meetings. The New Zealand Steel Environment Team is to re-issue the meeting dates. The invitations shall be sent out by a member of the Environment Team in the future.

The meeting closed at 11.03.

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Alex Ross, Chairperson