

## Draft Conditions

<b>Name</b>	NCI Packaging (NZ) Limited	
<b>Address</b>	113 Savill Drive, Favona, Auckland 2024	
<b>Duration of Consent</b>	Granted: xx/xx/2021	Expires: xx/xx/2041
<b>Purpose for which Consent is granted</b>	To discharge contaminants into air associated with the operation of a steel and aluminium can manufacturing plant which includes coating processes.	
<b>Location</b>	60-66 Montgomery Crescent, Clouston Park, Upper Hutt 5018, at or about map reference NZTM 1775130.5445749	
<b>Legal description of land</b>	Lot 1 DP 30717, Lot 1 DP 28552, Lot 11 DP 30232, Lot 12 DP 30232, Lot 13 DP 30232, Lot 14 DP 30232 and Lot 16 DP 30232.	
<b>Conditions</b>	1 – xx as attached	

# Conditions of Resource consent WGN 190198

## General note for emailing notifications to Greater Wellington Regional Council (GWRC)

Any report or notifications can be emailed to [notifications@gw.govt.nz](mailto:notifications@gw.govt.nz). Please include the consent reference WGN190198 in the subject line, and the name and phone number of a contact person responsible for the discharge.

## General conditions

1. The location, design, implementation and operation of the discharge shall be in general accordance with the consent application and its associated plans and documents lodged with the Greater Wellington Regional Council on [date], and further information received on:

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Where there are contradictions or inconsistencies between the application and further information provided by the Consent Holder, the most recent information applies. In addition, where there may be inconsistencies between information provided by the Consent Holder and conditions of this consent, the conditions apply.

*Note: Any change from the location, design concepts and parameters, implementation and/or operation may require a new resource consent or a change of consent conditions pursuant to section 127 of the Resource Management Act 1991.*

2. The Consent Holder shall ensure that a copy of this consent and all documents and plans referred to in this consent, are kept on site at all times and presented to any Greater Wellington Regional Council enforcement officer on request.

3. There shall be no discharges to air that are noxious, dangerous, offensive or objectionable at or beyond the legal boundary of the site property from which the Consent Holder operates, as

determined by an enforcement officer of the Greater Wellington Regional Council using the FIDOL<sup>1</sup> methodology.

*Note: For the purposes of this consent, the boundary of the property from which the Consent Holder operates is the outer perimeter of the land bearing the legal description Lot 1 DP 30717, Lot 1 DP 28552 and Lots 11-14 & 16 DP 30232.*

#### **Adaptive Management Odour Plan**

4. The Consent Holder shall maintain an Adaptive Management Odour Plan (AMOP) to ensure the Consent Holder has management procedures and practices to both proactively and reactively meet condition 3 at all times. This management plan must outline what measures the Consent Holder will undertake to prevent and/or respond to any breaches of condition 3 and/or notifications of odour occurring beyond the site boundary as well as the following:

- a) Procedures for incident notification to GWRC (Environmental Hotline 24-hour number: 0800 496 734) in accordance with condition 26.
- b) Contact details of the person on site with the responsibility and authority to implement the provisions of the AMOP during plant operating hours.
- c) Procedures for investigating any odour complaints received including:
  - i. Timeframes for initiating investigations
  - ii. Timeframes for responding to complainants
  - iii. How to review on-site meteorological data.
- d) Procedures for undertaking both on-site and off-site odour assessments, including training procedures for staff.
- e) Procedures for initiating actions that have the potential to reduce discharges to air, including proactive odour control measures.
- f) Procedures for the review of meteorological and production conditions during complaints to assess whether there is any correlation between these conditions and the likelihood of NCI being the source of the Complaint.
- g) On-site responsibilities during odour complaints.
- h) Procedures for modification of the AMOP following onsite identification of odour, including submission of an updated AMOP to Greater Wellington Regional Council.

*Note: It is the specific intent of this condition that the AMOP will function in the background at all times, and when specified "trigger conditions" occur, actions prescribed in the AMOP shall be initiated by the specified responsible person.*

#### **Annual technical reviews of the AMOP**

5. If the AMOP has not been otherwise reviewed during the previous 12 months as a result of a review required by condition 4(h), the Consent Holder shall undertake a technical review of the AMOP and submit it to the Manager, Environmental Regulation, Greater Wellington Regional Council by **31 July 2021 and every year thereafter**. The AMOP Review shall include but not be limited to:

- a) Frequency of incidents of Offensive and/or Objectionable odour events that have occurred (if any)
- b) Effectiveness of the AMOP in preventing, reducing and/or responding to incidents; and
- c) A technical process review/evaluation and the requirement for changes to:
  - i. The plant operating procedures and practices; additional procedures and practices recommended,
  - ii. Changes to emission reduction/treatment equipment, including proposals for further equipment; and

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<sup>1</sup> Frequency, intensity, duration, offensiveness, location

- iii. Timeframes for the selection, approval, procurement, installation and commissioning of the specified equipment.

Where new, or changes to existing emission reduction or treatment equipment are proposed following an internal review, the Consent Holder shall have the proposed changes reviewed by an independent technical expert, with specific experience and expertise in industrial odour discharges.

### **Amendments to the Approved AMOP**

6. Any proposed amendments or additions to the approved AMOP shall be submitted to the Manager Environmental Regulation of the Greater Wellington Regional Council for approval. Once approved the revised AMOP shall become the operative AMOP and the plant shall be operated in accordance with the approved version of the AMOP at all times.

*Note: The approval of the AMOP by the Manager, Environmental Regulation, Greater Wellington Regional Council in no way implies that the measures as specified in the AMOP ensures that the Consent Holder will meet condition 3. The approval is a technical approval only and in no way absolves the Consent Holder from their responsibilities to manage the discharges to meet condition 3 at all times, or does the approval authorise any breach(es) of condition 3 of this consent.*

### **Operations and Maintenance Manual**

7. The Consent Holder shall maintain an Operation & Maintenance Manual (OMM) which shall include but not be limited to the following matters in order to minimise the discharge of contaminants:

- a) A summary of the plant purpose, location, layout, and manufacturing equipment with specific reference to contaminant discharge, extraction and treatment equipment, discharge stacks and processes, including responsibilities and contact details of key personnel
- b) Operation, inspection and maintenance of the manufacturing equipment, including the extraction and treatment equipment
- c) Procedures adopted to ensure that the extraction equipment is fully functional before manufacturing commences
- d) Procedures adopted to ensure that the plant complies with the conditions of this consent at all times
- e) Contingency plans in the case of accidents and emergencies, such as spills, fires, and incidents where the discharge of excessive contaminants to air was unavoidable; and
- f) Any other issues considered important, including:
  - Details of the general operation and maintenance of all emissions control equipment (including the associated ducting for this equipment)
  - Staff training on the process requirements, use of emissions control equipment, and emergency response
  - Details of how the building envelope is maintained to minimise the potential for fugitive emissions

The Consent Holder shall ensure that the OMM is consistent with the conditions of this consent, and shall be updated as required, with a copy forwarded to the Manager, Environmental Regulation, Greater Wellington Regional Council within one month of any update.

Any amendments to the OMM shall be approved by the Manager, Environmental Regulation, Greater Wellington Regional Council.

8. The Consent Holder shall, at all times, operate, maintain, supervise and control all processes and equipment on site to ensure compliance with the approved OMM required by condition 7 and pursuant to condition 3 and all other conditions of this consent.

## Emission Control Equipment

9. The Consent Holder shall ensure that no part of the aluminium aerosol can manufacturing process is operated without the associated extraction being fully operational and functioning efficiently.

10. The Consent Holder shall ensure that the ventilation system shall draw adequate negative pressure to ensure the effective capture of contaminants from the aluminium aerosol can manufacturing process and all other areas from which air is extracted to ensure that fugitive emissions are minimised.

11. The point of discharge from the Line 2 Main Stack and the Internal Lacquer/Assembly Stack shall terminate at a point no less than 25 metres above ground level and have an exit velocity of at least 14 m/s. The stacks shall be designed and operated to ensure uninterrupted vertical discharge of process emissions.

12. The Consent Holder shall install a Biofilter to treat the basecoat application process and curing oven emissions of the Aluminium Aerosol Can Line within 6 months of granting this consent.

13. The Biofilter shall be operated and maintained to ensure the following parameters are complied with:

(a) The biofilter shall be designed to have an empty bed residence time of 90 s, a bed depth of 1.1 m and a minimum media volume of 26.5 m<sup>3</sup>.

(b) a maximum air loading rate of 45 m<sup>3</sup>/hr of air per m<sup>3</sup> of media

(c) a maximum fine bark or soil content of 10% v/v.

(d) the inlet air to the biofilter shall be:

1. ≤35°C for more than 95% of the time
2. ≤40°C for more than 99% of the time
3. A maximum inlet temperature of 45°C

(e) A moisture content between 50 and 65 % w/w, except during and following periods of high precipitation (up to three days)

(f) the flow of air through the biofilter bed shall be evenly distributed throughout and across the bed.

14. The Consent holder shall measure and record the following biofilter parameters:

- a) The air pressure of the biofilter inlet duct compared to atmospheric pressure by pressure gauge or U-tube manometer and the pH and moisture content of the biofilter media via a handheld soil tester on a monthly basis.
- b) Odour characteristic of the air discharged from the biofilter on the downwind edge of the biofilter on a weekly basis.
- c) The humidity and temperature of the air entering the biofilter on a continuous basis.
- d) Observations of the air distribution through the biofilter media on a yearly basis to assess whether it is evenly distributed including the methodology used.

The records shall be kept for a minimum of 12 months and provided to the Greater Wellington Regional Council on request.

15. The Consent Holder shall undertake regular field odour inspections along the northern boundary of the site, adjacent to the residential area of Mountbatten Grove. The field observations shall:

(a) Be carried out at least weekly by a person not routinely involved in solvent based coating operations; and

(b) Be conducted in general accordance with the methodology detailed by the Good Practice Guide for Assessing and Managing Odour (Ministry for the Environment, 2016) i.e. FIDOL and be detailed in the AMOP.

16. After a period of 6 months (but no more than 12 months) operation of the Biofilter required by Condition 12, the Consent Holder shall arrange for a programme of independent field odour observations to be undertaken. The observations shall:

(a) Be carried out on at least 17 days over a 4-week period at at least 7 locations around the NCI site locality when the plant is operating at normal production rates, in a similar fashion to the August to September 2020 survey;

(b) Be undertaken by a person who is not regularly exposed to solvent based coating operations who has been trained in the assessment of ambient odours by a suitably qualified person; and

(c) Be conducted in general accordance with the methodology outlined in the Good Practice Guide for Assessing and Managing Odour (Ministry for the Environment, 2016) and detailed in the AMOP.

17. The results of the field odour observation programme required by Condition 16 shall be reported to the Manager, Environmental Regulation, Greater Wellington Regional Council within 6 weeks of its completion. The report shall include:

(a) The date, time and location of each odour observation;

(b) For each odour observation:

- (i) whether it constituted an “odour hour” (i.e. six or more 10 second periods of recognisable odour determined within the 10-minute observation period)
- (ii) the average and maximum odour intensity;
- (iii) The character of any odours identified

(c) Where possible, identification of the actual or likely source (or sources), of any odours identified;

(d) Whether any events occurred that could be correlated with complaints made either to the Consent Holder or to Greater Wellington Regional Council.

18. After a period of 6 months (but no more than 12 months) operation of the biofilter required by Condition 12, the Consent Holder shall undertake a review of the odour performance of the biofilter and provide this report to the Manager, Environmental Regulation, Greater Wellington Regional Council. The review shall include:

(a) Evaluation of the biofilter operational parameters monitored in accordance with Condition 14.

(b) Characterisation of the normal operating range for pressure drop and bed pH and trigger values to be incorporated into the AMOP to identify the optimal performance.

(c) Consideration of the observations of residual odour above the biofilter and field odour observations undertaken in accordance with Condition 16.

(d) any recommended improvements to the biofilter design and/or operation to optimise odour removal in the biofilter.

19 The Consent Holder shall have a FIDOL review of the studies undertaken in this consent, and any other relevant information related to odour management on site within 14 months operation of the biofilter required by Condition 12. This review shall be undertaken by an independent technical expert with specific experience and expertise in industrial odour discharges to determine whether the current odour control is adequate to ensure compliance with Condition 3 and provide this report to the Manager, Environmental Regulation, Greater Wellington Regional Council. If this review determines that further odour management is required, the Consent Holder shall implement at least one of the following additional odour control/mitigation measures:

- (a) Increase the discharge height of the Aluminium Aerosol main stack and/or the Internal Lacquer/Sidestripe stack to at least 27 m above ground level; or
- (b) Modify the extraction system and biofilter to treat additional sources from the coating processes; or
- (c) Implement an alternative method, where it can be demonstrated to the Manager, Environmental Regulation, Greater Wellington Regional Council, that this would at least as effective at mitigating odour effects as (a) or (b).

The Consent Holder shall notify the Council in writing of the proposed timing for implementation of an additional odour mitigation measure(s), which shall be as soon as practicable, but no more than 4 months from the time of the determination of the need for further odour mitigation is identified.

### **Emission Monitoring**

20. There will be no routine emission monitoring requirement for this consent. However, **on written request** by the Manager, Environmental Regulation, Greater Wellington Regional Council, **the Consent Holder shall conduct an emissions testing programme for odour or Volatile Organic Compounds likely to be discharged from the plant, within two months of the written request.** The emissions testing programme and report shall be to the satisfaction of the Manager, Environmental Regulation, Greater Wellington Regional Council.

*Note: The Manager, Environmental Regulation, Greater Wellington Regional Council, will consult with the Consent Holder prior to such a request for any additional emissions testing programme(s).*

21. All sampling techniques employed in respect of the conditions of this consent shall be to stack testing industry standards such as USEPA testing methods. All analyses shall be performed by an International Accreditation New Zealand (IANZ) registered laboratory or otherwise as specifically approved by the Manager, Environmental Regulation, Greater Wellington Regional Council.

### **On-site meteorological station**

22. The Consent Holder shall operate and maintain at least one meteorological station on the site, compliant with the New Zealand Standards listed below. The meteorological station(s) shall be situated in a location that is representative of site and sensitive receptor (residential) conditions. This weather station shall record the wind speed and direction in an appropriate format. The data shall be logged and available in real-time via a website or other user accessible interface. Greater Wellington Regional Council shall be given access to the real-time data upon request.

*Note: There are two New Zealand Standards relevant to the meteorological site. Australian/New Zealand Standard AS/NZS 3580.1.1:2007 Methods for sampling and analysis of ambient air Part 1.1: Guide to siting air monitoring equipment,*

*Australian Standard AS 2923:1987 Measurement of horizontal wind provides guidance on the measurement of wind speed and direction.*

### **Complaints Response**

23. The Consent Holder shall initiate the specified actions detailed in the AMOP related to complaint response following receipt of a notification or complaint regarding odour discharged from the site (either received by GWRC or the Consent Holder directly); or

Following formal notification by telephone, electronically or in person by a GWRC Enforcement Officer that an odour discharge from the site has been confirmed Offensive and/or Objectionable using the FIDOL assessment technique.

24. The Consent Holder shall maintain a record of any complaints received alleging adverse effects from or related to the discharge the subject of this consent. This record shall include:

- a) The name and address of the notifier (if provided)

- b) The date and time that the notification was received
- c) Details of the alleged incident
- d) Weather conditions at the time of the incident
- e) The most likely cause of the incident, and
- f) Any measures taken to mitigate/remedy the cause of the incident and address the complaint

**A copy of this record shall be sent to the Manager, Environmental Regulation, Greater Wellington Regional Council as soon as possible, or at the latest the close of business the next working day.**

This record shall be maintained for the duration of this consent and made available to the any enforcement officer of the Greater Wellington Regional Council, on request.

*Note 1: The Greater Wellington Regional Council will notify the Consent Holder as soon as possible about any odour notifications received that are attributed to the Consent Holder.*

*Note 2: Incidents involving odour are reported under condition 24 of this consent. The intent of this condition is to capture any other environmental incidents that may occur.*

25. Following receipt of a notification or complaint alleging the Consent Holder to be the source of of-site odour nuisance, or on written request by the Manager, Environmental Regulation, Greater Wellington Regional Council, the Consent Holder shall advise the source/reason for the odour discharge if the odour was determined to be likely to be from the Consent Holder's operations. The report shall:

- a) Address the issues detailed in the request;
- b) Be submitted to Greater Wellington Regional Council within the timeframe specified;
- c) Outline what measures were implemented and within what timeframes, and the effectiveness of the measures in mitigating the odour effects; and
- d) Specify what changes, if any, will be made to operating procedures, site practices and the AMOP to prevent/reduce the potential for similar odour events in the future if relevant.

### **Incident Reporting**

26. Any incident related to the Consent Holder's activities that may result in adverse effects on the environment beyond the boundary of the Consent Holders site shall **be notified to the Manager, Environmental Regulation, Greater Wellington Regional Council as soon as possible, or at the latest the close of business the next working day**. A written report shall be submitted to the Greater Wellington Regional Council within five working days with reasons for the incident, and measures taken to mitigate the effects of the incident and prevent a recurrence.

*Note: The Greater Wellington Regional Council may also investigate any incidents to determine if a breach of this consent or the Resource Management Act 1991 has occurred and may also undertake enforcement action depending on the circumstances.*

### **Reporting Conditions**

27. The Consent Holder shall submit an **Annual Report** to the Manager, Environmental Regulation, Greater Wellington Regional Council by **31 July each year** for the period 1 July - 30 June inclusive. The report shall be to the satisfaction of the Manager, Environmental Regulation, Greater Wellington Regional Council, and shall contain, but not be limited to:

- Details of significant maintenance or upgrade items where relevant to the discharge of contaminants or treatment of emissions,
- Any technical reviews undertaken relating to the AMOP,
- Complaints received and actions implemented by the Consent Holder to minimise effects (if any),

- Details of production information, including amounts of coating materials on the Aluminium Aerosol Line used per annum, and
- Any other information considered relevant

### **Review Condition**

28. The Greater Wellington Regional Council may review any or all conditions of this consent by giving notice of its intention to do so pursuant to section 128 of the Resource Management Act 1991, at any time within three months of the 30 June each year for the duration of this consent for the following purpose:

- a) To review the adequacy of any report and/or monitoring requirements, and if necessary, amend these requirements outlined in this consent, or
- b) To deal with any adverse effects on the environment that may arise from the exercise of this consent; and which are appropriate to deal with at a later stage, or
- c) To enable consistency with any relevant Regional Plans or any National Environmental Standards or Regulations, or
- d) To adopt the best practicable option to remove or reduce any adverse effect on the environment.

The review of conditions shall allow for the deletion or amendment of conditions of this consent; and the addition of such new conditions as are shown to be necessary to avoid, remedy or mitigate any significant adverse effects on the environment.

### **Notes**

- a) A resource management charge, set in accordance with section 36(2) of the Resource Management Act 1991 shall be paid to the Greater Wellington Regional Council for the carrying out of its functions in relation to the administration, monitoring, and supervision of resource consents and for the carrying out of its functions under section 35 (duty to gather information, monitor, and keep records) of the Act.
- b) The Greater Wellington Regional Council shall be entitled to recover from the Consent Holder the costs of any review, calculated in accordance with and limited to the Greater Wellington Regional Council's scale of charges in force and applicable at that time pursuant to section 36 of the Resource Management Act 1991.