

City of Cockburn

Noise Management Plan 2019 -2023 Waste Services



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DEFINITIONS	
CEO	Chief Executive Officer at City of Cockburn
CITY	City of Cockburn
PLAN	This Noise Management Plan
REG	Environmental Protection (Noise) Regulations 1997

Overview

The purpose of this Noise Management Plan (Plan) is to ensure compliance with Regulation 14A of the *Environmental Protection (Noise) Regulations 1997* (Reg). The City of Cockburn (City) operates a fleet of waste vehicles that commence work at 6am on weekdays. The amended Reg now provide a mechanism for “specific works”, being “the collection of waste”, to occur outside the standard hours of;

- (a) 0700 hours and 1900 hours on any day that is not a Sunday or a public holiday;
- or
- (b) 0900 hours and 1900 hours on a Sunday or public holiday;

this activity can only occur once a Plan has been approved by the Chief Executive Officer (CEO) of the local authority.

The details:

ENVIRONMENTAL PROTECTION (NOISE) REGULATIONS 1997 – REG 14A

“14A. Waste collection and other works

(1) *In the regulation –*

Ancillary measure means a measure designated to be an ancillary measure under regulation 14B;

Class 1 works means specified work carried out between –

- (a) *0700 hours and 1900 hours on any day that is not a Sunday or a public holiday; or*
- (b) *0900 hours and 1900 hours on a Sunday or public holiday;*

Class 2 works means specified works carried out otherwise than between the hours specified in the definition of class 1 works paragraphs (a) and (b);

Specified works means –

- (a) *the collection of waste; or*
- (b) *the cleaning of road or drains for a road; or*
- (c) *the cleaning of public places, including footpaths, cycle paths, car parks and beaches; or*
- (d) *the maintenance of road verges and public open space (including the collection of rubbish and the planting, trimming, watering or removal of trees); or*
- (e) *the periodic collection of household items or other things placed on street verges by residents for the purpose of such a collection; or*
- (f) *activities associated with hazard or emergency management;*

Waste means waste from domestic or commercial sources and includes –

- (a) putrescible waste; and*
- (b) non-putrescible waste; and*
- (c) recyclable materials*

- (2) Regulation 7 does not apply to noise emitted in the course of carrying out class 1 works if -*
 - (a) the works are carried out in the quietest reasonable and practicable manner; and*
 - (b) the equipment used to carry out the works is the quietest reasonable available; and*
 - (c) in a case where a person has been required to prepare a noise management plan under sub-regulation (4) in relation to the works –*
 - (i) the noise management plan has been prepared and submitted in accordance with the requirement, and approved in writing by the Chief Executive Officer (CEO); and*
 - (ii) the works are carried out in accordance with the noise management plan, excluding any ancillary measure.*
- (3) Regulation 7 does not apply to noise emitted in the course of carrying out class 2 works if the works are carried out in accordance with a noise management plan, excluding any ancillary measure, for class 2 works approved in writing by the CEO.*
- (4) The CEO may by written notice require a person who carries out class 1 works –*
 - (a) to prepare a noise management plan; and*
 - (b) within the time specified in the notice, to submit the plan to the CEO, or another person specified in the notice, for approval of the CEO.*
- (5) A noise management plan for class 1 works is to include –*
 - (a) details of the vehicle or equipment evaluation and purchase policies adopted to select, on a reasonable and practicable basis, the quietest vehicle or equipment available; and*
 - (b) measures to be adopted to minimise noise emissions resulting from carrying out the works; and*
 - (c) a description of the specified works to be carried out during the times of day to which the class relates; and*
 - (d) operator training programmes; and*
 - (e) community information on the manner in which the specified works will be carried out; and*
 - (f) a complaints response procedure.*
- (6) A noise management plan for class 2 works is to include, but not limited to –*

- (a) *details of the vehicle or equipment evaluation and purchase policies adopted to select, on a reasonable and practicable basis, the quietest vehicle or equipment available; and*
 - (b) *measures to be adopted to minimise noise emissions resulting from carrying out the works; and*
 - (c) *justification for carrying out the works during the times of day to which the class relates; and*
 - (d) *a description of the specified works to be carried out during the times of day to which the class relates; and*
 - (e) *operator training programmes; and*
 - (f) *community information on the manner in which the specified works will be carried out; and*
 - (g) *a complaints response procedure.*
- (7) *An application by a person, other than a local government, for the approval of a noise management plan under sub-regulation (3) is to be accompanied by an application fee of \$500, but the CEO may, in his or her discretion, waive or reduce the fee.*
- (8) *Before approving a noise management plan under sub-regulation (3) or (4), the CEO must –*
- (a) *if the plan was submitted by a local government, require the local government to give local public notice, as defined in the Local Government Act 1995 section 1.7, of the plan; or*
 - (b) *if the plan was submitted by a person other than a local government, require the person to publish notice of the plan at least once in a newspaper circulating generally throughout the district where the plan will have effect.*
- (9) *A notice under sub-regulation (8) must specify the following –*
- (a) *the purpose and effect of the noise management plan;*
 - (b) *the places at which the noise management plan may be inspected or obtained;*
 - (c) *the period (being not less than 30 days after the notice is published in a newspaper) within which submissions about the plan may be made to the CEO.*
- (10) *After considering any submissions made under sub-regulation (9)(c), the CEO may –*
- (a) *approve the noise management plan as proposed; or*
 - (b) *approve a noise management plan that is not significantly different from what was proposed; or*
 - (c) *refuse to approve the noise management plan as proposed and require a new plan to be prepared and submitted for approval.+*
- (11) *A noise management plan for class 1 works or class 2 works expires –*
- (a) *3 years after the day on which it is approved by the CEO; or*

- (b) *on such other day, not more than 3 years after the day on which it is approved by the CEO, as the CEO specifies in the approval of the plan.”*

{Regulation 14A inserted in Gazette 5 Dec 2013 p. 5667-72.}

Extent of Plan

The Plan applies across the City municipality and relates to all Waste Services activities carried out -

- between 6am – 7am on days that are not a Sunday or public holidays; and
- between 6am – 9am on Sundays and public holidays.

This Plan also applies to amended collection schedules conducted when a Christmas Day and New Year's Day public holiday falls on a week day. This will push all collection days out by one day, causing the service to operate on the following weekends during this Plan.

- Saturday 28 December 2019
- Saturday 4 January 2020
- Saturday 26 December 2020
- Saturday 2 January 2021
- No Saturday collections for 2021
- No Saturday collections for 2022
- Saturday 30 December 2023
- Saturday 6 January 2024

Purpose and Effect of Plan

This Plan has been prepared for authorisation for the purposes of Regulation 14A of the Reg, and is valid for three years after day of commencement of approval by the City CEO.

The purpose of the Plan is to minimise the impact of noise associated with the collection of waste activities within the City, while allowing an essential service to be provided safely, efficiently and with minimal inconvenience to the community.

Noise Mitigation Strategies

Noise mitigation under this Plan is intended to be a process of continuous improvement. The measures listed below do not limit the implementation of additional Noise reduction measures. Additional measures will only be introduced where they are not detrimental to any person receiving noise from the specified

works. Measures which propose to shift the noise impact from one receiver to another will be continually considered. Where a residence is occupied by a shift worker or a family with a baby that finds the Waste Collection Service disruptive, all practical measures will be taken to reduce the noise that occurs prior to 7am in the vicinity of that location.

Collection start points are established on main roads, where traffic counts would be nominally higher in peak hour periods, and collection routes are mapped accordingly and not altered to uphold continuity logistics.

- * *As far as practicable, start points will be designated at commercial properties and zones, in an attempt to service potential noise sensitive residential properties within the designated precincts towards the end of the collection routes.*

Plant operators will operate plant in line with Waste Services 'Safe Operating Procedures', including the following key aspects:

Essential Requirements

Activity 1

Keep reversing to a bare minimum

- This will reduce the frequency of the plants 'reversing beeper' sounding.

Activity 2

Always scan the area for potential hazards (low lying branches, overhead electrical wires, parked third-party vehicles, pedestrian movements etc.) and assess traffic flow.

- This will minimise any potential increased noise due to 'At Fault' accidents/incident impacts.

Activity 3

Collection vehicles will remain stationary whilst emptying bins

- This will aid acceleration, braking and bin lifting techniques and will reduce the frequency of each logistic.

Note: If an object obstructs the natural lifting arc of the side loader, the operator may move the bin to an unobstructed area carrying the bin with the lifter before emptying.

Activity 4

Any defective components on the vehicle must be reported to the supervisor immediately

- Sufficient maintenance programmes will rectify noisy components.

Activity 5

Always empty bins in either neutral/ driver gear selection. NEVER empty bins in reverse gear selection

- This will reduce the frequency of the vehicle's 'reversing beeper' sounding whilst ensuring no additional increased noises are realised due to 'At Fault' accidents/incidents.
- CoC Drivers will ensure the following 'Noise Minimisation Measures' are embraced during collections prior to 7.00am:
 - i. Cab windows are closed (to reduce the impact of any radio emissions).
 - ii. Defensive driving techniques are embraced (smooth accelerating and braking techniques).
 - iii. Engine Revs do not exceed idle limitations.
 - iv. Hydraulics and Power Take Off (PTOs) devices are disengaged wherever possible.

Activity 6

Install low broadband noise spectrum reversing indicators

- This will occur in the progressive plant replacement program to ensure minimum disruption to occupants of noise sensitive premises. Currently, 8 trucks/plant have the low frequency reversing buzzer. In 2 years, all vehicles will be fitted with low frequency reversing devices. (page 10).

Activity 7

Manage daily runs to avoid known occupants in noise sensitive premises until later in the day.

- This will provide relief to shift workers, or families with babies.

Activity 8

Place bins carefully on the ground after servicing

- This will ensure bin do not fall over making addition noise.

Activity 9

Ensure research is conducted into fitting a flexible material beneath the hopper to reduce noise when material falls into an empty truck –This will ensure product will not fall onto the empty body causing additional noise.

Activity 10

Trial electric waste trucks with a view to running fewer vehicles on diesel.

- Electric powered waste trucks operating in urban areas will significantly reduce noise emission.

Truck and Equipment Maintenance

Comprehensive periodic plant inspections are carried out by mechanics in order to identify early stages of wear and tear. Whilst it is the operators obligation to detail any defective components, these inspections ensure issues can be addressed accordingly and to identify which operators are meeting their pre and post run vehicle inspections protocols.

All plant is scheduled for servicing within the required times frames and any defective component which contributes to abnormal noise levels will be given priority for immediate rectification.

In addition to the above, all operators are required to clean and grease the components of lifting and packing mechanisms as per rostered schedules to ensure moving bearings remain lubricated to prevent premature wear and tear whilst minimising potential noise related issues.

As a consequence of our fleet replacement program, all waste vehicles are renewed after 4.5 years of service. This ensures that the City operates a modern waste collection fleet which incorporates the latest in technological improvements and noise reduction.

New cab chassis are sourced (through Iveco, Hino or Volvo Trucks) then fitted with the retrospective collection body relevant to the collection service by industry leaders ('Bucher Municipal' and/or 'Superior Pak').

Both companies have worldwide recognition and their core business is centred on waste collection vehicle engineering and fabrication.

Engineers within these firms constantly pursue the process of continuous improvement to develop current best practice and industry standards in relation to decisions about acceptable noise equipment.

Plant Operator Training

All Plant Operators will be trained accordingly to embrace 'Noise Minimisation Measures'.

All new employees will undertake Driver Assessments to ensure they display defensive driving techniques in noise-minimising braking, accelerating and bin emptying techniques.

The training will cover the following aspects:

- pre and post run vehicle inspections (to identify defective components contributing to potential excessive noise);
- defensive driving techniques (smooth braking and accelerating techniques);
- bin servicing techniques (as per 'Safe Operating Procedures');
- waste collection routes; and
- noise minimisation measures will be communicated at toolbox meetings and documented on notice boards to constantly remind operators of their obligations whilst conducting collections during prescribed times.

Justification of Class 2 Works

The Class 2 works covered by this Plan are primarily required due to traffic congestion and access issues experienced within certain precincts.

These high traffic count precincts, predominantly from 7am onwards, increase the waste collection 'Occupational Health & Safety' risk for all road users, as well as hampering the flow of traffic causing significant delays, inconvenience and frustration for all road users.

Many businesses within the precincts commence trading at 7am, which results in increased vehicular street parking and pedestrian movements within the immediate vicinities. Parked vehicles are often found to block access to bins which impedes and extends collection service times. Bins serviced prior to 7am also allow businesses to return empty bins to storage locations in timely manners which help maintain clean and tidy landscapes.

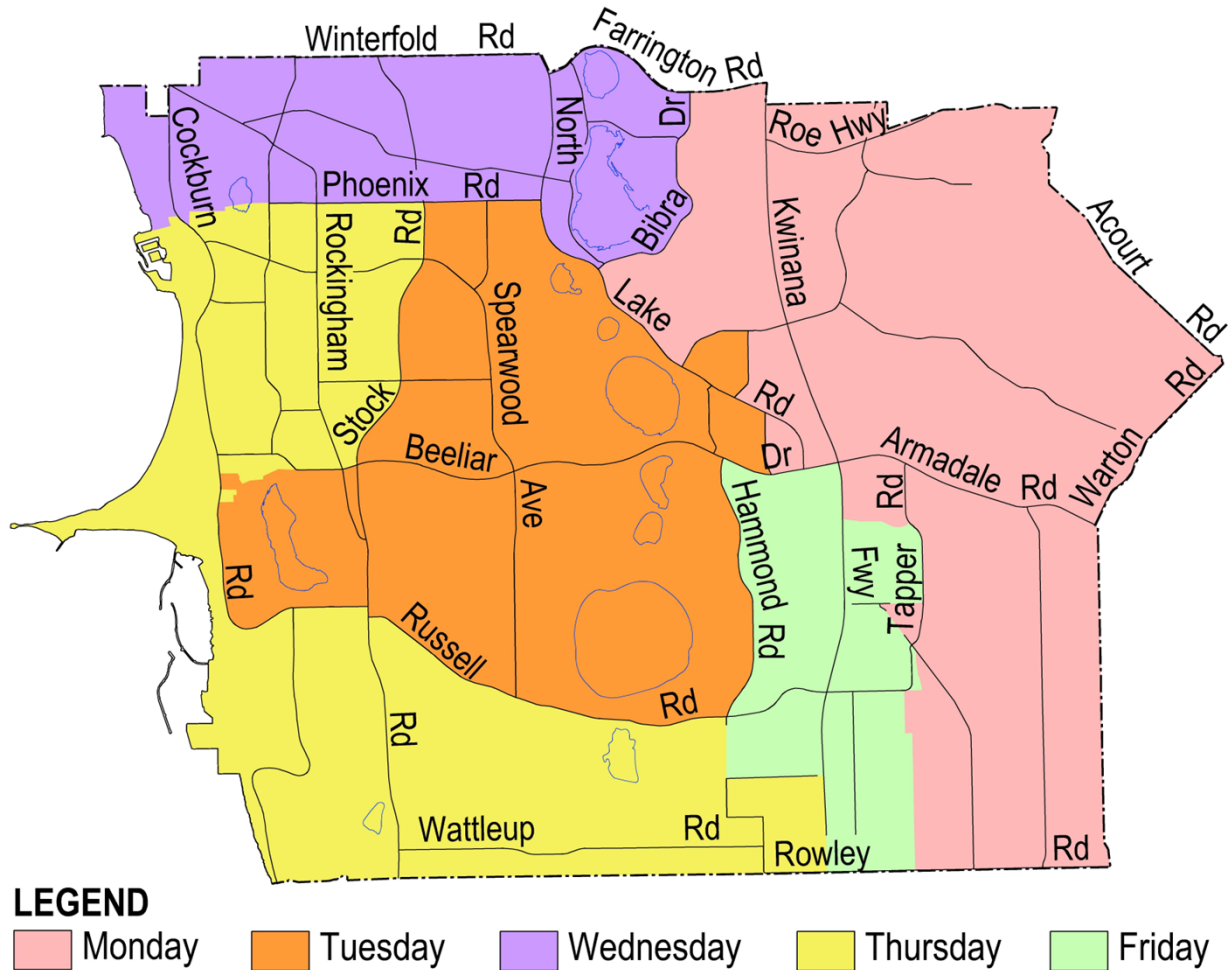
Collection vehicles can conduct services in a far more effective, efficient and safe manner within the designated precincts between 6am - 7am as opposed to conducting the same collection routes after 7am to the benefit of all road users.

In order to operate an efficient and effective refuse collection service it is essential the waste vehicles commences at 6am. This allows the vehicles to avoid the afternoon peak hour congestion around schools and major thoroughfares. .

This practice provides benefits to other road users, particularly around shopping centres, beaches and Cockburn Central. Frustrated road users have the potential to undertake unsafe driving practices, like overtaking in single lane road networks which could lead to increased incident and injury.

Waste Collection Days

The following plan shows the areas when refuse collection may occur between 6am and 7pm.



Plant and Equipment

	Make	Body	Fleet No	Registration	Use	Purchase Date	Replacement Date
1	Mercedes	Bucher	7453	1GGF-734	Verge Truck	Apr-17	Nov-21
2	Mercedes	Bucher	7472	1GGS-399	Verge Truck	Apr-17	Nov-21
3	Schauffer		7432		Verge Loader	Jan-17	Jul-21
4	Hino	SuperiorPak	7462	1GEA-511	8m3 Rear Loader	Nov-16	May-21
5	Hino	Bucher	7842	1GWO095	8m3 Rear Loader	Oct-19	Apr-24
6	UD	Bucher	7701	1GHM-244	15m3 Rear Loader Truck	Jun-17	Dec-21
7	Hino	Bucher	7494	1EVO-691	Waste Side arm Truck	Sep-15	Mar-20
8	Hino	SuperiorPak	7505	1GCX-930	Waste Side arm Truck	Oct-16	Apr-21
9	Hino	SuperiorPak	7515	1GCX-929	Waste Side arm Truck	Sep-15	Mar-20
10	Iveco	SuperiorPak	7535	1GHQ-015	Waste Side arm Truck	Jun-17	Dec-21
11	Hino	Bucher	7524	1EVO-694	Waste Side arm Truck	Sep-15	Mar-20
12	Volvo	Bucher	7593	1GOP-931	Waste Side arm Truck	Jul-18	Jan-23
13	Iveco	SuperiorPak	7554	1GUU-963	Waste Side arm Truck	Jun-19	Dec-23
14	Iveco	SuperiorPak	7562	1EON-233	Recycling Side arm Truck	Sep-14	Mar-19
15	Iveco	SuperiorPak	7563	1GFT-541	Recycling Side arm Truck	Jul-19	Jan-24
16	Iveco	Bucher	7831	1EOA-087	Recycling Side arm Truck	Jul-14	Jan-19
17	Hino	Bucher	7483	1EVO-692	Recycling Side arm Truck	Sep-15	Mar-20
18	Hino	Bucher	7851	1GCX-928	Recycling Side arm Truck	Oct-16	Apr-21
19	Iveco	Bucher	7692	1GHQ-013	Recycling Side arm Truck	Jun-17	Dec-21
20	Volvo	Bucher	7712	1GHM-241	Recycling Side arm Truck	Jun-17	Dec-21
21	Iveco	Bucher	7583	1GHQ-014	Recycling Side arm Truck	Jun-17	Dec-21
22	Volvo	Bucher	7891	1GLF-499	Recycling Side arm Truck	Jan-18	Jul-22
23	Iveco	Bucher	7832	1 GWE-059	Recycling Side arm Truck	Aug-19	Feb-24

Community Information

Information regarding works carried out under this Plan can be accessed from the City website – www.cockburn.wa.gov.au.

Complaints Procedure

Written complaints, telephone complaints and complaints received in person, along with all other relevant feedback will be recorded electronically through the City's Customer Request System.

All noise complaints regarding specified works under this Plan will be investigated by the Waste Services Coordinator or Supervisor. The Senior Staff may request the assistance of the City's Environmental Health Services and/or delegate if deemed appropriate to assist in the investigation.

Annual Review

This Plan will be reviewed every three years. The City Waste Services department will maintain a register detailing any noise related issues and/or complaints related throughout the term of this Plan.

All items raised during the annual reviews will be considered for potential continuous improvement items and measures to be implemented with future Noise Management Plans.

Approved



Daniel Arndt
ACTING CHIEF EXECUTIVE OFFICER

Date: 18/8/2020 _____

Valid Until: 18/8/2023