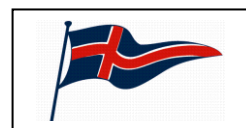


Trade Waste Management Plan

Milford Cruising Club (Inc.) Slipway



1.0 General description

This trade waste management plan has been submitted to Watercare to satisfy the requirement of clause 6 of our trade waste agreement under the Auckland Trade Waste Bylaw 2013.

Company	Milford Cruising Club (Inc.).
Agreement number	4737.
Site address	7-9 Omana Road, Milford, Auckland.
Discharge point	Manhole 2020466 in 9 Omana Rd, Milford, Auckland.
Key contacts	The Slipmaster, Milford Cruising Club (Inc.), .
Principle operations	Milford Cruising Club (Inc.) operate a slipway from Wairau Creek. Vessels owned by members of Milford Cruising Club (Inc.) and others are winched out of the creek by the Slipmaster for maintenance purposes that include the removal and reapplication of antifouling. Antifouling is removed in a designated area (Washdown Area) using a high pressure water blaster. This waste water is run off to a collection chamber fitted with a gauze sediment trap and the effluent discharged to the sewer. Trapped sediment is transferred to a waste disposal bin and disposed of to a managed landfill at Hampton Downs.

2.0 Discharge limits

2.1. Limits specific to our agreement

Parameter	Requirement
Maximum discharge flow rate	0.4l/s
pH level	6.0 to 10.5
Maximum 24-hour discharge volume	9.0 m ³
Maximum temperature:	40°C
Other parameters (maximum discharge concentration and mass)	
Total petroleum hydrocarbons C7-C14	30 mg/l
Total petroleum hydrocarbons C7-C36	50 mg/l

2.2. General limits

Milford Cruising Club (Inc.) (MCC) will meet all discharge limits as specified in the Auckland Trade Waste Bylaw 2013 including the controlled substances standards (see appendix B). MCC will review this standard annually to check for updates/changes.

3.0 Pre-treatment systems

Control for	System	Maintenance
Prohibited solids greater than 30 mm.	The drains from the wash pad have screens and a gauze screened basket to collect solids greater than 30mm.	Regular inspection to ensure basket is in place and cleaning as required.
Flow under 0.4 l/s	The discharge flow to the sewer is limited by the capacity of the dewatering pump.	Six monthly inspection of orifice.
Total petroleum Hydrocarbons	Single chamber 1m ³ oil and grit inceptor.	Three monthly empty and clean. Disposal by registered waste disposal company. Waste taken off site. Records of cleaning and disposal kept for five years.

4.0 Monitoring and logging systems

A representative sample of wastewater from a typical working day is to be analysed on an annual basis for pH and total petroleum hydrocarbons by a laboratory accredited for these analyses. Analysis results are to be forwarded within 4 weeks of sampling to the Trade Waste Department at Watercare Services Ltd (Watercare) in September each year for the term of the agreement. The records of the analysis will be kept by MCC for at least five years.

5.0 Risks and controls

The table below identifies the on-site risks that could lead to a discharge of non-compliant wastewater to the sewer. The control measures taken to eliminate, isolate or minimise these risks are shown:

Risk	Control
Maximum permitted daily discharge volume (9.0 cubic metres per 24 hours) exceedance.	The rate of discharge is limited to less than 0.41L/s. (At 0.41L/s pumping continuously the discharge over a period of 6 hours would be approximately 9 cubic metres) The Slipmaster limits the use of the water-blaster and discharge pump to a maximum of 6 hours per day.
The gauze screened basket in the oil and grit chamber becomes clogged, the chamber overflows and contaminated washdown water flows into the creek.	The oil and grit interceptor is inspected frequently during washdown and after completing washdown. Grit and debris collected in the basket is removed and disposed of to the waste bin after completing washdown or more frequently if required. Any required maintenance is carried out as needed.
The grated channel becomes clogged, the channel overflows and contaminated washdown water flows into the creek	The grated channel is inspected prior to commencing and from time to time during washdown. The grating and channel are cleared of debris and disposed of to the waste bin.
Spill of stored chemicals, or fuel oil from machinery or marine vessels.	All chemicals are stored in an area which is isolated from the wash bay and trade waste system. Only detergents with a concentrated volume of less than one litre are allowed in to the wash bay area. Spill kits are available on site and the Slipmaster and all slipway users are instructed in our spill response procedure (see Appendix A).
Power failure	In the event of a power failure the water-blaster and discharge pump will stop as these items of equipment are mains supply power linked. Once power supply is restored a complete check of the interceptor system will be undertaken before the wash bay is used again.
Stormwater from areas outside the washdown bay entering the sewer system	The wash bay surface is graded to fall away from the surrounding area to prevent stormwater from the surrounding area entering the washdown bay.
The channel and pump sump become inundated when very high tides occur and sea water can enter the washdown runoff channel and pump sump.	The pump is operated/controlled by the water blaster (the pump can operate only when the water blaster is turned on). The rules for the use of the equipment are displayed on a Notice (Slipway and Washdown Rules) that includes a rule that states that the water blaster shall not be used at any time when the water level in the creek is at or higher than the lip of the pump sump and channel grating. Authorisation to use the washdown area is conditional on the user's acceptance of the "Rules".
Pump fails to start when water blaster is switched on and wash water overtops the channel and pump sump.	The "Rules" for the use of the equipment are displayed on a Notice that includes rules that states that the water blaster operator shall check and ensure that the pump activates when the water blaster is turned on and the water blaster is not be used if the pump fails to start.

6.0 Internal notification procedure

- All washdown users are instructed to notify the Slipmaster if an incident occurs that will affect the discharge to the Watercare trade waste sewer. Immediately or within 60 minutes of the incident occurring the most appropriately qualified person on site will attend to the incident.
- The Slipmaster will report the incident to Watercare Services Ltd through the process outlined in the external notification procedure in section 7.0.
- Authority will be delegated in the event that the Slipmaster is absent or not available.
- On-call numbers are identified on the externally mounted Notice Board and on a Notice Board in the site office.
- All incidents will be recorded in the Slipmaster's monthly report and discussed at MCC's executive's monthly meeting. Remedial work will also be monitored and reported at this meeting. Any changes to existing protocols and this plan are reported at this meeting.

7.0 External notification procedure

In the event of a potential or actual breach of any of the discharge limits of our trade waste agreement, the following will occur:

- (a) As soon as practicable after becoming aware of the potential or actual breach, the Slipmaster will notify Watercare on (09) 442 2222;
- (b) Within two working days, the Slipmaster will provide Watercare with written details of the potential or actual breach, and work undertaken to remedy or mitigate any adverse effects to the Watercare network arising from the breach;
- (c) Within five working days, the Slipmaster will provide Watercare with written details of investigations into the cause of the breach, and implement measures to avoid a similar breach occurring in the future.

8.0 Review of this plan

This plan will be reviewed 12 months after the commencement date and annually thereafter. MCC will provide Watercare with a copy of the updated plan if it has changed. If it has not changed MCC will notify Watercare that it has been reviewed and no amendments have been made.

The review of the plan will be discussed on an annual basis at the MCC Annual General Meeting.

9.0 Appendixes

Appendix A: Emergency spill response procedure – see attached.

Appendix B: Slipway and Washdown Area Rules

Appendix A:

Emergency Spill Response – Procedures & Checklist

Milford Cruising Club (Inc)

Emergency Spill Response – Procedures & Checklist



Before working in the hardstand/slipway area know and understand what to do if a spill occurs and where the **Spill Kit** is located. If you bring a hazardous substance (other than engine fuel or lubricants) to the slipway you must notify the Slipmaster and you must provide a material data sheet(s) and appropriate spill kit materials.

- In the event of a spill your first consideration must be the immediate safety of all people present
- Next call emergency services
- Then contain the spill but only if it is safe to do so
- If help is available, allocate responsibilities to others to create a competent emergency team to deal with the spill

Precautions

Spill Checklist

In the event of a spill

1. Raise the alarm
2. Evacuate people if necessary
3. Call emergency services (dial 111)
4. Close valve, plug leak or upright container, if safe to do so
5. Utilise safety equipment to contain the spill – the **Spill Kit** is located in the Slipway Office
6. Call on specialist advice
7. Clean up spill – use equipment provided in the **Spill Kit**
8. Recover product and/or dispose of waste safely

- Do not endanger yourself
- Wear personal protective equipment (PPE) appropriate for the spilled substance
- Do not leave the area unattended if there is a risk of a further spill
- If spill is likely to enter a waterway notify the local council
- Advise Slipmaster of the incident

The Evacuation/Assembly point is located in Omana Rd (Refer attached Plan)

The location of nearest phones (No landline phone on site – use mobile phone in emergency)

Hazardous substance spills

In the event of a hazardous substance spill

Raise the alarm by shouting or sounding a hooter to attract the attention of anyone else that is in the vicinity

Evacuate if necessary

Identify the nature of the spilled substance

Put on safety equipment (e.g. overalls, boots, gloves, eye protection, etc.)

If it is safe to do so, close off the source of the spill

Remove sources of ignition if flammable substance present

Identify the danger posed by the spill – only respond if it is safe to do so

Refer to the safety data sheet or call on an approved handler or other specialists for advice

Safety data sheets are available in the Slipway Office

If necessary, call emergency services and advise the local Council

Use the **Spill Kit** or your own **spill kit**

Contain the spill if it is safe to do so – utilise a drip tray or oversize container or absorbent to soak up a small spill

Dispose of waste safely as set out in the safety data sheet

After the event

Replenish the **spill kit**

Complete an incident report and deliver to the Slipmaster

Review the effectiveness of the emergency plan with the Slipmaster

Appendix B:

Rules Governing the Use of the Slipway and Hardstand for Washing Down and Removal of Antifouling

RULES GOVERNING THE USE OF THE SLIPWAY AND HARDSTAND FOR WASHING DOWN AND REMOVAL OF ANTIFOULING

The Designated Washdown Area is considered a hazardous area and its use is governed by the conditions of a Resource Consent issued to Milford Cruising Club (Inc).

Acceptance of an application for the use of the slipway to wash down a vessel is conditional on acceptance of the following "Rules":

- **Use of the slipway and Washdown Area is at the discretion of the Slipmaster and is subject to compliance with the "Rules".**
- **Vessels hauled out for the purpose of washing down including the removal of antifouling must be washed down only within the designated Washdown Area. The use of the grid for removing antifouling is not permitted.**
- **All wash down runoff and debris must be directed into and captured in the cut-off channel.**
- **The removable bund must be correctly positioned in place immediately downstream of the cut-off channel before commencing any washing or water blasting. All wash water must be captured in the cut-off channel. No wash water is permitted to bypass the cut-off channel and drain into the Wairau Creek.**
- **The grated channel is to be inspected prior to commencing and from time to time during washdown. The grating and channel are to be cleared of debris and disposed of to the waste bin.**
- **The cut-off channel drains to a sump where the wash-water is pumped to the Watercare sewer. The pump is activated by the water blaster. Before commencing water blasting you must ensure that the pump has been activated. If the pump fails to start turn off the water blaster and contact the Slipmaster.**
- **Before and while water blasting check the filter basket in the pump sump. If the filter is blocked with debris stop the pump and remove and empty the contents into the designated waste bins. Replace the filter basket before restarting the water blaster.**
- **In the event of a high tide where the tide rises to the level of the cut-off channel the water blaster must be stopped until the tide level has receded below the cut-off channel lip level.**

Failure to abide by these Rules may result in prosecution of the offender.

By order of the Slipmaster