


**NHS Northumbria  
Northumbria Specialist Emergency Care  
Hospital  
Northumbria Way, Cramlington, NE23 6NZ**

**Site Odour Management Plan**

August 2023

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<b>REVIEWED BY</b>	Jane Bond (Project & Business Development Director)	<b>DATE</b>	01.08.2023
<b>SIGNATURES</b>			
<b>VERSION No.</b>	1.0		

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- Appendix D – Details of Bin Washer
- Appendix E – Contingency Plan
- Appendix F – Daily Olfactory Checks/ Assessments
- Appendix G - Complaint Form

## 1.0 INTRODUCTION

This OMP document outlines the methods by which the operator will systematically assess, minimise and prevent potentially odorous emissions in line with the OMP EA template. This OMP forms part of the bespoke permit application on behalf of the Northumbria Healthcare NHS Foundation Trust regarding the Northumbria Specialist Emergency Care Hospital (NSECH). The proposed application involves the thermal treatment (via autoclave) of the Hospital's own healthcare wastes.

### 1.1 Purpose

The odour management plan is a working document with the specific aim of ensuring that all appropriate measures are taken to prevent or, where that is not reasonably practicable, to reduce odorous emissions to air from the installation that may be considered offensive at locations outside of the installation boundary. These measures include to ensure that:

- Odour assessment is considered as part of routine inspections
- Odour is primarily controlled by:
  - Location of operation - treatment will occur within the designated building only
  - Storage of pre treated wastes and floc will be within building
  - Location of equipment – autoclave is an enclosed equipment, located within the designated building
  - Low quantity of wastes undergoing treatment per day
  - Compliance with maximum storage periods of waste pre treatment and post treatment
  - Good operational/ housekeeping practices
  - The correct use and maintenance of the equipment/ autoclave
  - Staff training

### 1.2 Site Location and Description

NHS Northumbria Emergency Care Hospital  
Northumbria Way  
Cramlington  
NE23 6NZ

National Grid reference number is NZ 27690 75603. See Location Plan **Appendix A** and site Layout Plan **Appendix B**.

The hospital is located in Cramlington, within Collinwood Chase Area to the west of the site (approx. 350m distance, separated by the A189) and with East Cramlington Area to the northeast of the site (approx. 420m distance). See **Appendix C** for potential receptors map.

### 1.3 Roles & Responsibilities

The site Manager is responsible for ensuring that the odour management plan is followed and that nuisances and hazards arising from the facility, when encountered, are minimised and that odour complaints are investigated, and records are kept.

The site Manager is also responsible for ensuring that in the event of a formal odour complaint, the investigation and findings are recorded in accordance with this plan. Regular Meetings shall be held for site management to discuss current and planned operations with respect to their potential for generating odorous site emissions.

### 1.4 Training

All site personnel receive information and instruction on a range of activities within the Hospital. This information and instruction will start at the staff induction stage and will include their responsibility to be aware of the need to keep odour to a minimum, and to report any potential issues or areas of improvement to their line manager.

Environmental and compliance-based toolbox talks will incorporate sections on odour awareness. Such training is designed to ensure that staff understand the importance of ensuring maintenance and operational tasks are conducted in accordance with the necessary controls in place and to follow relevant procedures for the site’s operations.

### 1.5 Document Review

This odour management plan will be formally reviewed by the operator at regular intervals to ensure the stated management controls and conditions continue to reflect best available techniques and the operational requirements at the facility. An updated copy of the management plan will be reported to EA following review, as required.

**Table 1. List of Revisions**

Revision number	Revision authorised by	Date submitted to SEPA	Revision owner

## 2.0 RECEPTORS

The Hospital is located near residential areas, which is considered a high sensitivity area in respect to odour. Further odour control and mitigation will be implemented on site due to proposed waste operations to ensure that all potential odour releases are prevented. The figure below shows the nearest sensitive receptors and distances from the Hospital.

Receptor reference (A, B, C etc. Use to label Fig 2.1)	Land use e.g. house, school, hospital, commercial	Direction from site (North, South, East, West)	Approximate distance to site boundary (m)	Sensitivity to odour Low (e.g. footpath/road) Medium (e.g. industrial / commercial workplace) High (e.g. housing / pub / hotel etc.)
A	house	West	350m	High
B	house	Northeast	420m	High

**Figure 2.1 Map of Site Location and Receptors**

A potential receptors map was designed to mark the Hospital location and nearest receptors locations, **Appendix C**.

## 3.0 SITE OPERATIONS & POTENTIAL ODOUR SOURCES

### 3.1 Site Waste Operation – Thermal Treatment by Autoclave

The Hospital is proposing to carry out an onsite thermal treatment of its own healthcare wastes (ancillary to hospital activities) via an autoclave process. The quantity of healthcare wastes undergoing treatment per day will not exceed 3.2t and the total amount stored on site at any one-time pre and post treatment will not exceed 10 tonnes. All reception, unloading and treatment process will take place within the designated building where autoclave is located, on impermeable surface with sealed drainage system, see **Appendix B** for site layout.

The autoclave uses a wet thermal method. The system comprises of a sterilizer chamber and a shredding device which is embedded in the same enclosed container. The shredder is accessible through a hatch/ door, through which the wastes are placed by the trained staff. The shredding process is carried out after the sterilisation of the wastes. More details of the process in **Doc Ref\_NSECH\_Site Management Plan**.

### 3.2 Potential Odour Sources

The potential for significant odour emissions arising from the site operations were identified as very low by the Risk Assessment carried out on site. This is because the waste operations will only occur within the designated building. In addition, the autoclave is fully enclosed (including the shredding process) in order to eliminate the potential for the release of pathogens from the untreated waste. The autoclave is

equipped with an air extraction system with a HEPA air filter system. The HEPA filter will remove small particulates from the air and trap it, preventing their release to atmosphere and also providing odour and dust control.

Although the potential for significant odour emissions to occur is considered low, the Applicant identified potential odour emission sources in order to put into place preventative measures and responsibilities accordingly. The potential odour emissions associated with the site operations were identified as follows:

- Storage and handling of pre treated wastes - storage and treatment
- Treated waste handling and storage – repackaging into designated bins/carts for subsequent dispatch offsite for energy recovery
- Treatment of wastes - release of steam from autoclave hatch /window.

For the reasons above, it is recognised that potential significant odour emissions are not likely to become detectable beyond the site boundaries.

#### **4.0 CONTROL MEASURES AND MONITORING**

##### **4.1 Control Measures**

The site has a number of measures in place to control odour, all of these are considered in relation to the operations that are undertaken on the Hospital on a daily basis. The site management plan procedures ensure that good operational practices are employed. The following sections detail management techniques, procedures, and odour control measures to minimise the potential for odour generation listed above.

- Storage and Handling of pre-treatment wastes - storage will take place inside the designated building. Wastes quantities undergoing treatment is low and they will be treated on a daily basis, therefore no build up of wastes storage is likely to occur. The maximum storage periods will not be exceeded. The Applicant has designed a Contingency Plan (**Appendix E**) which includes the potential failure scenarios and preventative measures and details of who is responsible for corrective actions for situations where autoclave malfunctions or breakdowns.

Hospital will treat only its own wastes so no additional vehicles movements will occur.

- Treatment via autoclave – the sterilisation and shredding process will take place entirely enclosed (the autoclave is an enclosed equipment) and the autoclave is located within the designated building. The autoclave is designed to minimise point source emissions to air, specifically the emission of bioaerosols, compounds with the potential to cause odour, and volatile organic compounds.

It is fitted with HEPA filters to prevent the emissions of bio-aerosols during the process. Once used, the filters are then processed in the autoclave and treated as waste. Post process shredding of treated wastes minimises the potential for bio-aerosols emissions. Liquids from the waste and the process are sterilized internally before being discharged via the HEPA filter into the foul sewage drain (sealed drainage system).

- Good housekeeping standards are already implemented in the Hospital to minimise the potential for malodours to occur from the storage of healthcare wastes. The surface of the designated building allows for disinfection and cleansing of all areas and bins/ carts preventing build-up of potentially odorous wastes, details of the bin washer are provided in Appendix D.

#### 4.2 Monitoring - Daily Olfactory Checks

The site Manager, or designated trained staff, will ensure that daily olfactory checks are undertaken around the designated building and Hospital boundary during operational periods in order to establish whether any odours are discernible, or likely to be detected out with the site permit boundary causing the nearest receptors nuisance.

This assessment will be carried out on a daily basis to identify potential impact from odours generated from the waste treatment operation. The assessment is carried out around the site boundaries. The olfactory assessments will be recorded, and details will include the following:

- The presence or absence of visible or odorous releases from the process
- If there are odorous releases, whether the releases are detectable outwith the site boundary
- The weather conditions, including the proximate wind direction and strength
- The probable location, source, cause and extent of any odour, visible releases or other abnormal circumstances and any remedial action taken
- The date, time and name of the designated staff undertaking the assessment

The assessment consists of checking for odours at the locations listed above and assess any smells against a scale of 0 to 5, as follows:

- 0 - No odour
- 1 – Very faint odour
- 2 – Faint odour
- 3 – Distinct odour
- 4 – Strong odour
- 5 – Very strong odour

Odours will be investigated immediately. Site staff will also be required to report any malodorous occurrences that arise within the zones they work in routinely. Daily olfactory checks form template is shown in the **Daily Olfactory Assessment, Appendix F**.

#### 5.0 ODOUR COMPLAINT INVESTIGATION PROCEDURE

The receipt of a complaint will require further investigation into the causes and indicate whether further monitoring is required. Actions to be taken in the event of an exceedance will be dictated by the nature and extent of the exceedance (e.g. by considering the magnitude of exceedance and whether it was one off or ongoing).

Actions will include the following steps:

- The responsible person receiving the complaint at the site will initially record the key details using the odour complaint report form (**Odour Complaint Form, Appendix G**). The form sets out the key information that should be recorded at the time in order to facilitate further suitable investigation.
- The site Manager or appropriate responsible person will be informed of the odour complaint as soon as possible, including the location, time and date of the complaint being lodged (where available)

- If the complaint is received in a timely manner and with sufficient detail, the Compliance Manager, or responsible person will, where possible visit the complainant location and discuss the odour with them to obtain as much detail as possible on the incident including severity, duration and frequency
- Following discussion with the complainant and upon confirmation of an odour at the complainant's location a complete downwind perimeter odour survey will also be undertaken
- If an odour is present, the key 'FIDOR' criteria will be assessed at the complaint location, as follows:
  - Frequency - is the odour intermittent or persistent; is there a history of complaints at this location?
  - Intensity - is the odour faint, moderate, strong, or very strong?
  - Duration - how long is the odour present at this location?
  - Offensiveness - a description of the odour; is it high, moderate, or low offensiveness?
  - Receptor Sensitivity - is the odour present at a remote or highly sensitive location; is the odour plume localised or widespread?

The site Manager or responsible person will subsequently undertake the following further assessment process:

- Review of the operations at the site prior to and at the time of the complaint
- Review of the control measures operating prior to and at the time of the complaint
- Review of the meteorological conditions (wind speed/wind direction/rainfall/atmospheric pressure) prior to and at the time of the complaint to establish whether a pathway can be established between the site and the complainant

Odour complaint details will be recorded, and records retained of the investigation findings and subsequent corrective actions. The odour complaint will be substantiated (or otherwise) by the site Manager in accordance with the following (in order of priority):

- EA has visited the complaint location and has provided confirmation that the odour exists, is significant, and is attributable to the facility
- The site Manager or responsible person has visited the complaint location and has provided confirmation that the odour exists, is significant (see FIDOR assessment, above), and is attributable to the facility

In recognising that odour can be transient and short lived, timely notification of odour complaints directly from the complainant or EA is imperative to allow for appropriate investigation. The operator will investigate (whenever possible) and record the complaint, investigation findings and relevant corrective actions take.

In the event that it proves impracticable to carry out adequate remedial measures within one working day, the site Manager will notify and agree with EA the proposed actions and the timescales for their completion as a programme of works.

## 6.0 ABNORMAL EVENTS

The Applicant has designed an Autoclave Contingency Plan to be followed in the event of abnormal situations, **Appendix E**.

## **7.0 RECORDS**

All odour complaints received at the site will be recorded on the site complaint form **Appendix G**. Details of odour “non-conformance” including subsequent investigations, timescales and remedial measures taken and notifications of the relevant internal and external bodies are recorded by the site Manager.



## Appendix A – Site Location Plan



KEY

PERMIT BOUNDARY



Rev	A	B	C	D	E	
Drawn by	RB		Scale	NTS		Original Size A3
Surveyed by	JB		Date	25/07/2023		Dwg File Name 2023-6333

NORTHUMBRIA HEALTHCARE TRUST  
NORTHUMBRIA WY NE23 6NZ  
CRAMLINGTON

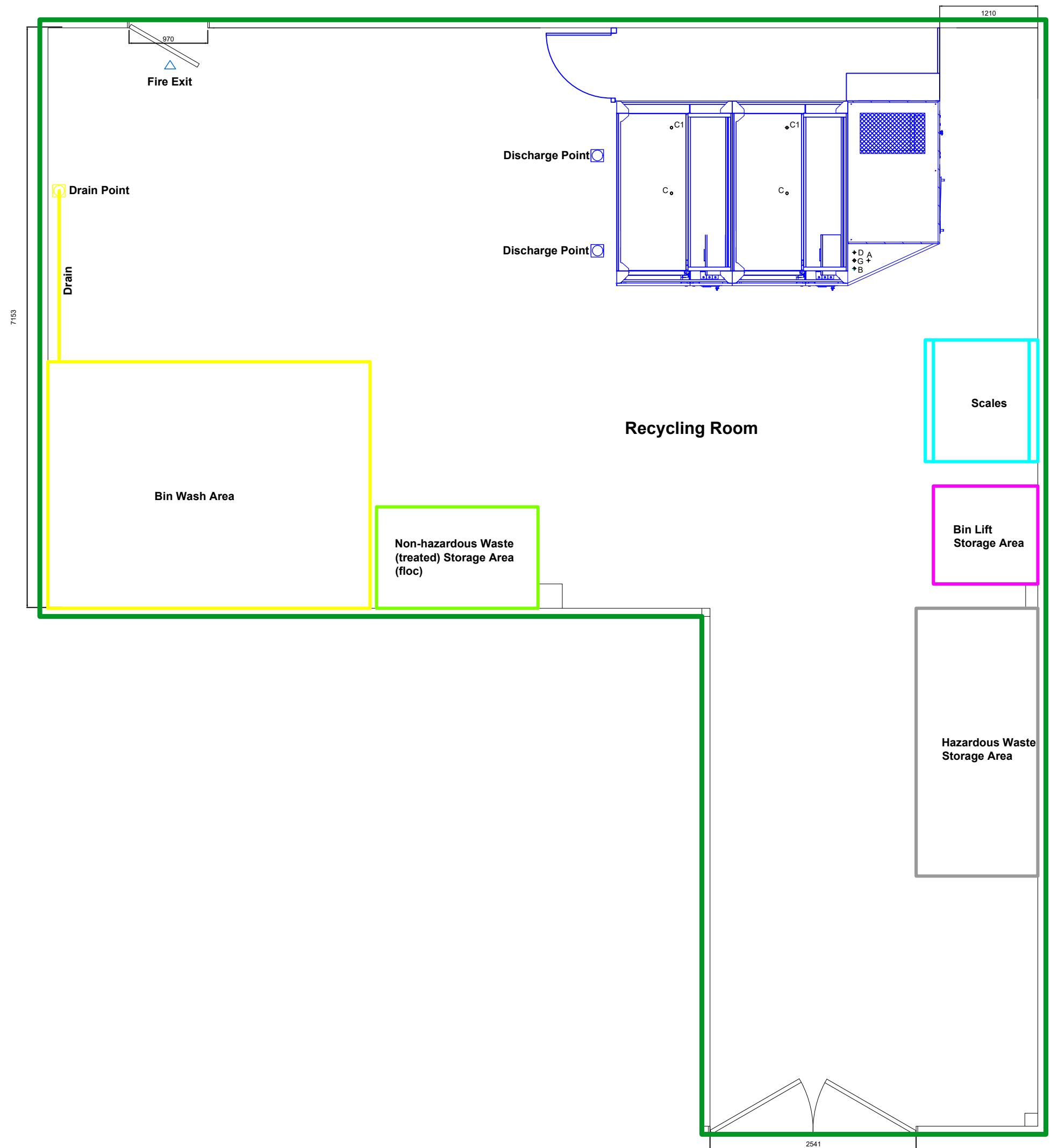
NORTHUMBRIA SPECIALIST  
EMERGENCY CARE HOSPITAL  
SITE LOCATION  
PLAN



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1 Damside  
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DRAWING No.	REV.
2023-6333-002	REV

## Appendix B – Site Layout Plan



- KEY**
- PERMIT BOUNDARY
  - BIN WASH AREA
  - BIN LIFT STORAGE AREA
  - SCALES
  - HAZARDOUS WASTE STORAGE AREA (MAXIMUM STORAGE OF 2 x 770 l BINS)
  - NON HAZARDOUS WASTE (TREATED) STORAGE AREA (FLOC) (MAXIMUM STORAGE OF 2 x 240 l BINS)
- A POWER CONNECTION POINT
  - B COMPRESSED AIR
  - C MACHINE DRAIN
  - C1 VACUUM DRAIN
  - D POTTABLE WATER
  - G SOFTENED WATER



Rev	A	B	C	D	E	
Hazardous and Non-hazardous waste areas added						
Drawn by		Scale		Original Size A3		
RB		NTS				
Surveyed by		Date		Dwg File Name		
JB		25/07/2023		2023-6333		

**NORTHUMBRIA HEALTHCARE TRUST**  
 NORTHUMBRIA WY NE23 6NZ  
 CRAMLINGTON  
  
 NORTHUMBRIA SPECIALIST  
 EMERGENCY CARE HOSPITAL  
 SITE LAYOUT  
 PLAN



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DRAWING No. <b>2023-6333-005</b>	REV. <b>A</b>
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## Appendix C – Potential Receptors Map

Potential Receptors Map - NHS Northumbria Specialist Emergency Care Hospital  
Northumbria Way, Cramlington, NE23 6NZ



Site Permit Boundaries (building)

## Appendix D – Details of Bin Washer

# BIN WASH GUIDE & OPERATING INSTRUCTIONS

Bin Wash AUTO LITE Series V1 (*electrically operated, single head*)

## AUTO LITE



Morclean Ltd. Speedwell Ind Est, Staveley, Chesterfield. S43 3JN

T | (01246) 471147

E | [info@morclean.com](mailto:info@morclean.com)



**Please read this entire manual before using this machine.** The Morclean AUTO LITE Bin Wash machine is designed to clean empty bins that have previously had debris or litter removed from them.

The device is intended to clean the residue that the debris has left behind after fully emptying. After regular washing on a fixed term contract or round, typically 2-4 weeks, the bins should only contain smaller levels of residue resulting from the general dirtiness of the bin during that period.

When washing a bin for the first time, or after a long period of time the bin should be first scraped out, emptied, and the contents bagged up and disposed of, as per the Hints and Tips in the section of this manual. The machine and its filtration system is not designed to collect litter and debris, or to empty partially full bins into.

This machine produces high-pressure water that can be dangerous if misused. Never direct the nozzle or lance towards any part of the body or face.

We recommend use of protective clothing (PPE) including but not limited to water proof jackets, ear defenders, gloves, glasses and/or goggles when operating this machinery. You should carry out your own risk assessment and take professional advice in regards to PPE and/or health and safety of the operator or passers by

This machine must be stationary while in use, never run this machine with any covers removed or open, always close and fasten the catchment tray and lift mechanism etc at all times.



**Please refer to the safety instruction in the later Section**

## THANK YOU

Thank you for purchasing a Morclean AUTO LITE bin wash Machine. In addition to any training you have received, this guide will provide you with instructions of how to set up and operate the machine.



**This bin wash guide and operator's manual can be used for all LITE models including:**

AUTO	LITE
AUTO	LITE V1

Bin Wash AUTO LITE Series V1. Specific images for the V1 series may vary



**STOP!**

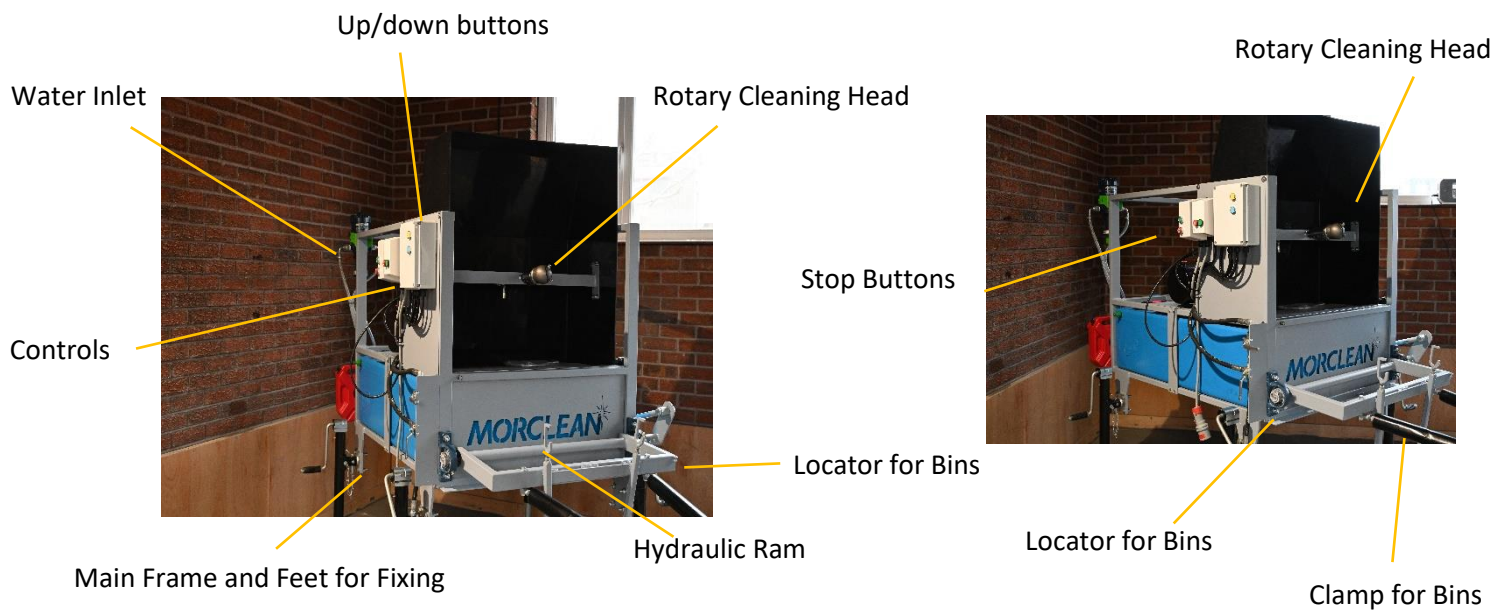
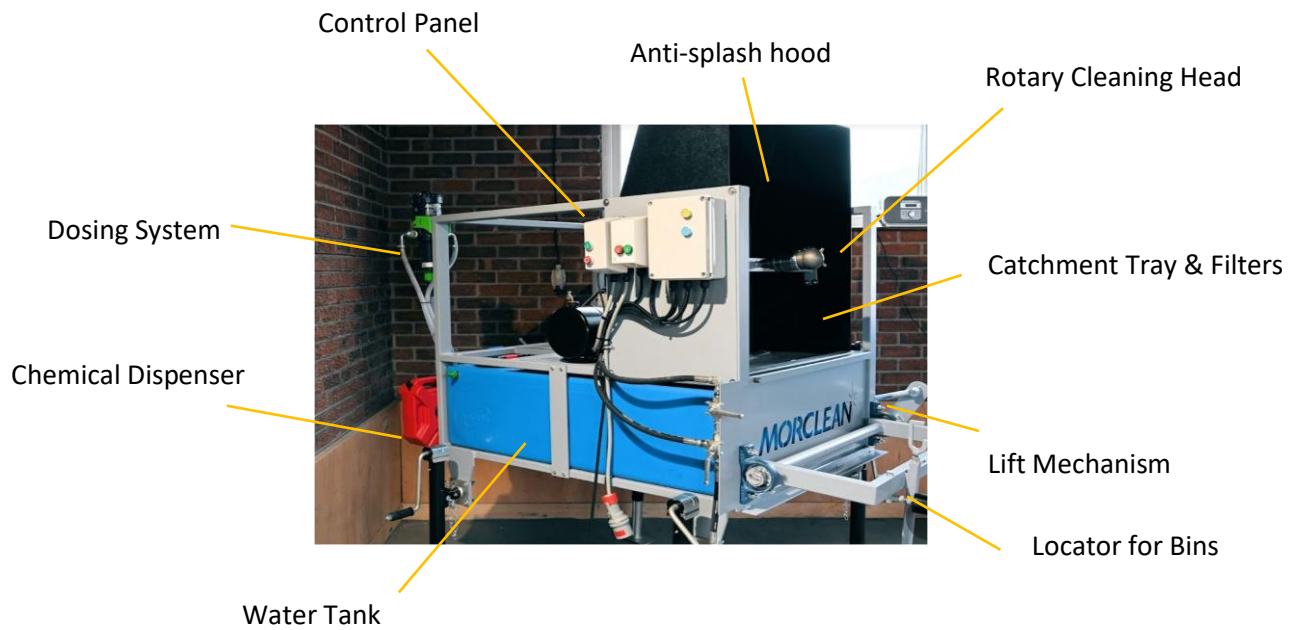
Please read this manual carefully, if you have any questions or doubts then you can call Morclean

(01246) 471147

Or email [info@morclean.com](mailto:info@morclean.com)



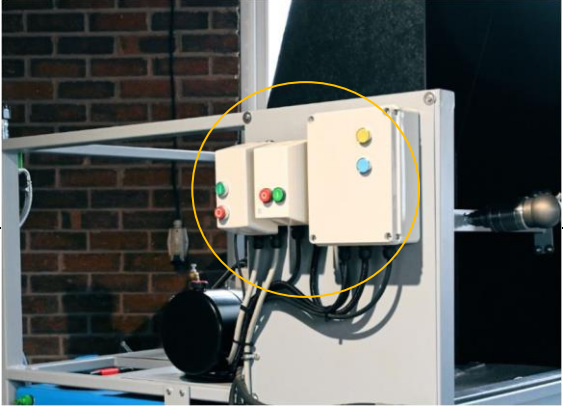

**Do not use this machine unless you are trained and familiar with the equipment, and have read these instructions in full**

**THE MACHINE**



# QUICK START

## Bin Wash AUTO LITE Series V1

<p>Connect to a power supply</p>	
<p>Connect to the water supply</p>	
<p>Turn the hydraulics ON</p> <p>Refer to labels on the machine</p>	
<p>Turn the pump ON</p> <p>Refer to labels on the machine</p>	<p>Main Control Panel</p>
<p>Bring a bin to the lift and line up with the lift mechanism</p> <p>Images for the V1 series machine may vary</p>	

Operate with the clamp when required



Use the control panel to raise the bin vertically

Refer to labels on the machine



Operate 'bin up'

Refer to labels on the machine

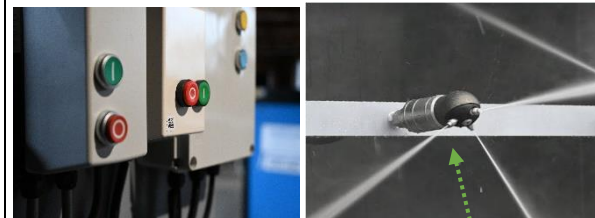


The lift mechanism will raise the bin inwards



Water ON (rotary jets) and wash the bin (green)  
**DO NOT OPERATE WITHOUT A BIN IN PLACE**

Refer to labels on the machine

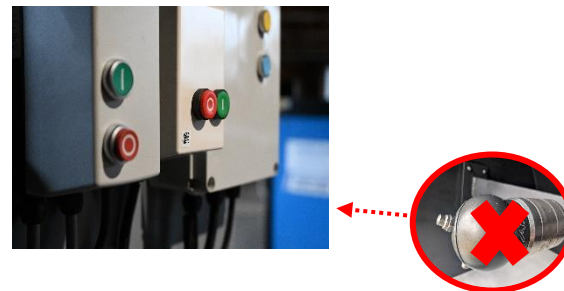


The rotary head will start, clean the bin as required



Operate water OFF (red) to stop the rotary heads after the bin has been cleaned

Refer to labels on the machine



Operate bin down

Refer to labels on the machine



The bin will rotate outwards



Lower the bin



The bin will lower vertically



Remove the bin from the mechanism, remove the clamp if used

Images for the V1 series machine may vary



## IMPORTANT

Always carry out visual checks of the machine for damage & check all cables, hoses & fittings for general wear. Check all high pressure hoses for damage wear, & visually inspect push buttons & switches.

# Water Fresher

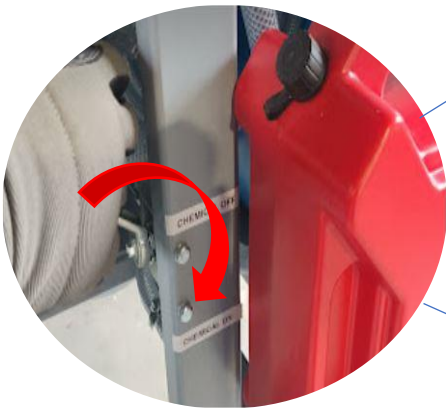
The AUTO machine utilises a dosing system to freshen the water. When the cleaning lance or cleaning head is OFF, but the engine and pump is still running, then we call this 'by-pass' (because water is bypassing the cleaning devices and recirculating around the system). During this time you can add the water fresher



First, ensure that the dosing container is full and that it contains the freshening product



The dosing system is pre-set but the % can be changed if required



While the machine is in 'by-pass' you can open the dosing valve for a few seconds



You will see and smell the water fresher, you can introduce the product during the day

Depending on the water quality, we'd normally expect the fresher to be used for 5-10 seconds every 20-40 bins. You can increase or decrease the dosing time

## MAINTENANCE GUIDE & OTHER IMPORTANT INFORMATION

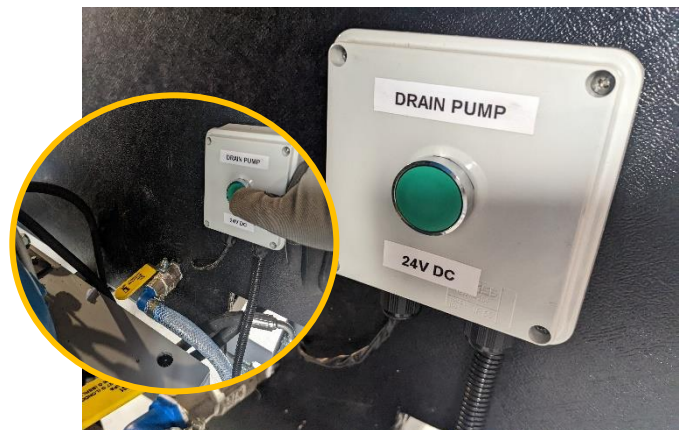
Please read carefully & refer to the separate instructions for individual items (such as the pumps). Ensure the machine is cleaned & checked regularly. Failure to do this can affect performance or void warranty

Always remove debris from the catchment tray during the day and bag up any items.  
Remove and clean the catchment tray



Empty the main catchment tank using the drain pump (by pressing the button)

Optional drain pump fitted to some models



Remove the filters, remove any debris and clean under the tap or with a hose pipe.

To be completed after every fill/empty (daily)

Images for the V1 series machine may vary





## DAY TO DAY CLEANING Cont....

The catchment drain can be isolated if required during maintenance

Optional drain pump fitted to some models



The spanner (provided) is used to unscrew and clean the blue filter and clean under the tap or with a hose pipe. Ensure that the seal is inserted and that the filter is tightened so as not to leak water

To be completed after every fill/empty (daily)



Using the drain valve, you can completely empty both water tanks.

Optional drain pump fitted to some models



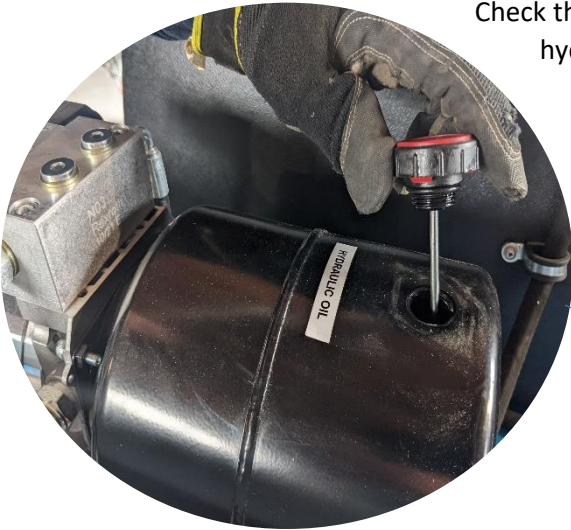
It is important that you keep ALL the filters clean and refill the main tank with clean water. Failure to do this can affect performance or void your warranty

## MAINTENANCE GUIDE – CHECKS & FLUID LEVELS

Always refer to the separate instructions for the specification of lubricants to be used in the engine, hydraulic pump and high pressure pump.

Images for the LITE V1 series may vary

Check the fluid level in the hydraulic pump



Check the fluid level in the high pressure pumps



## USING THE HAND LANCE

THE MACHINE CAN BE OPERATED USING THE HAND LANCE.

Never point the lance in the direction of the machine or another person

Turn on the high pressure pump

Images for the V1 series machine may vary



Operate the hand lance

Optional hand lance fitted to some models only



## MAINTENANCE GUIDE – IMPORTANT INFO

Do not adapt or make changes to the machine, parts, pumps or components.  
Unauthorised repair can affect performance or void your warranty

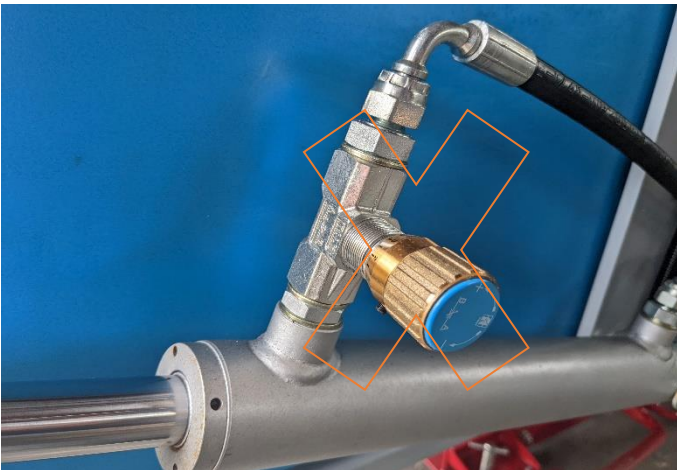
Images of the LITE  
Series V1 may vary



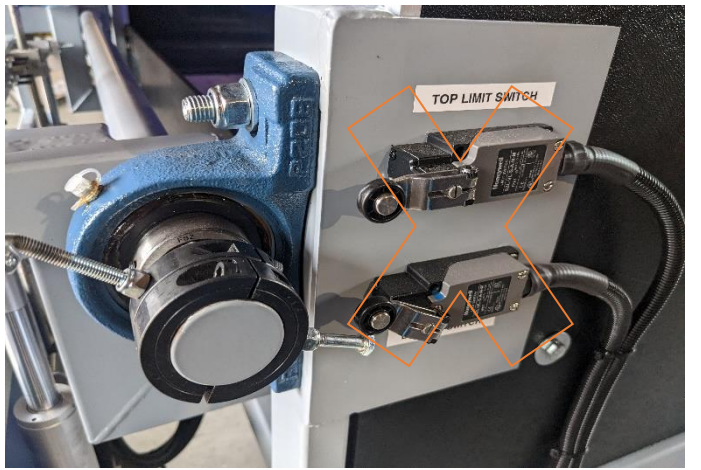
Keep clear of all mechanisms and the lifting device



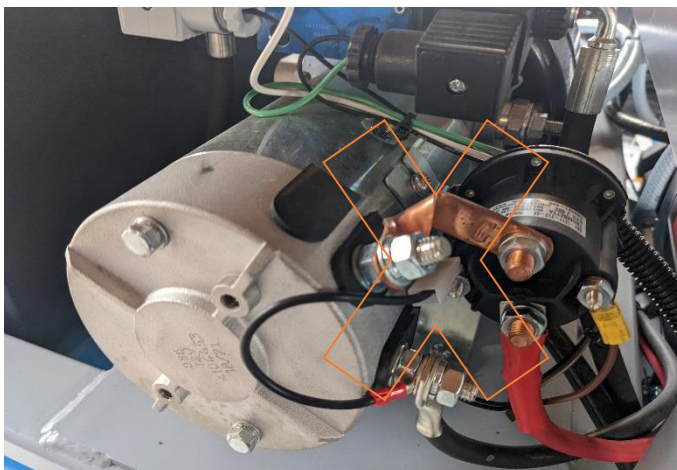
DO NOT tamper with, change or adapt the nozzles



DO NOT change settings or hydraulic valves



DO NOT spray high pressure water onto the switches



DO NOT tamper with cables or components



Always lubricate via the grease nipples

## HINTS AND TIPS

### IMPORTANT

Always carry out a visual check of the machine for damage and check all cables, hoses and fittings for general wear. Check all high pressure hoses for damage or excess wear, and visually inspect push buttons and switches.

Fill the main tank with clean water via the tank inlet and ensure all filters are clear and free from debris. Check and clean all water filters regularly and stop operating the machine if filters become blocked.

When the machine is not in use switch off as per operator's instructions (unless to add fresher)

When washing bins for the first time you may need to pre-scrape and remove heavy debris

Using the main remote switch - elevate the bins until they reach the tip position and always release the switch when the bin is at the uppermost point.

Operate the lance to wash externally or with an accessory

Once the bin is clean you can spray in additional sanitiser to leave the bins smelling fresh, if you haven't used the water fresher device

**Once lowered to the ground the bins can be lifted off the bin mechanism. Always release the switch once the bins are lowered.**

Periodically you should clean any debris from the main catchment tray and bag it up to keep the main filter clean from plastic bags or larger debris that will prevent the escape of water.

The water within the tank will be recycled during the day

At the end of the day the main tank should be emptied into a suitable disposal point which is usually a mains foul drain as per the Environment Agencies PPG13 or GPP13 guidelines. Always check with your local water or sewer provider to ensure you are disposing of waste water legally and safely.

## GENERAL

To wash the main filters you can connect the pump to a domestic hose pipewater supply using the inlet valve. This means fresh water will be used through the pump. Wash the filters from the front and behind if they are particularly dirty

**This process should be carried out each day after use.  
You should also clean the filter bowl and you can refill the main tank ready for the next day.**

## SAFETY



**Always think safety for yourself, work colleagues and the public - & put safety first.**

**Always wear goggles, ear defenders & a face mask when using the machinery.**

**The machine produces high pressure water which can be dangerous if misused**

**Never point the lance in the direction of the machine or another person.**

**Never use the lance during an electrical storm.**

**Never allow the lance to come into contact with electrical cables.**

**Always secure the lance or hoses after use**

**Clear any loose debris from the collection tray regularly**

**Ensure the collection tray/lid is in its correct position**

**Always ensure that the bin lift is clear before operating.**

**Never lift a bin unless it is secured to the lifting device**

**Service the machine in accordance with recommendations (normally every 4 months).**



## GENERAL

- Regularly check the oil levels on the gearbox and pump and service in accordance with the manufacturer's recommendations (normally service every 4 months).
- All operators must be trained to use the pressure washer in accordance with the manual.
- All risk assessments should be carried out for each water jetting operation before commencement of works.
- We recommend that all operators should maintain a log book of use of the jetting unit. The information can be relatively simple and completed on a daily basis and of sufficient information to provide useful operating data.
- All maintenance must only be carried out by authorised Morclean repair personnel or Dealers
- The pressure washer must not be used when there is a clear fault or damage to it.
- Do not use the pressure washer while tired or under the influence of alcohol or drugs.
- Always ensure you safely route all hoses to the mains cable to minimise trip hazards and keep them away from the jetting area.
- All cleaning products used must be in accordance with your MSDS sheet (Material Safety Data Sheet).
- Never attempt to start the pump if there is a possibility that there is apparent freezing/frozen water in any part of the system,
- Never start the pump if any filtration devices have been removed.
- You may experience a kick back from the gun. Hold the gun and lance with both hands at all times during cleaning operation.
- The pressure washer must never be run with the covers open, lids removed, or filters taken off

## DETERGENTS AND SANITISERS

While most are of low pH values and suitable for use, you should check that any chemicals used with this machine are suitable and will not damage the pump etc.



If in doubt please contact Morclean on (01246) 471147

## WARRANTY

# Warranty Terms

**12 (twelve) months manufacturing parts warranty covering faulty components and materials from date of purchase.**

Hose, gun & lance are only covered for initial 7 days.

Warranty does not cover damage caused by frost, fair wear and tear, chemicals, other than those recommended by Morclean, misuse or modification not authorised by Morclean.

Misuse including repairs or modification or any service activity carried out other than by Morclean registered engineers.

Warranty only valid if signed by both the manufacturer (Morclean) or authorized dealer, company stamp dated and all details are complete.

Customer copy must be produced to make a warranty claim

Customer must complete and return dealers copy within 7 days of purchase to ensure warranty cover.

Warranty cover is only applicable if machine is serviced by Morclean or an authorised and approved engineer.

# TROUBLESHOOTING

Please refer to the troubleshooting guide for assistance, but if in doubt call Morclean. You should not attempt to carry out repairs or make changes to the machine which may affect the Warranty

Bin lift mechanism will not lift	Check battery power and charge and levels of hydraulic oil.
Bin mechanism will not lower	Check battery power and charge and levels of hydraulic oil. <b>DO NOT FORCE THE MECHANISM DOWN.</b>
No pressure from lance	Check water tank is full. Check filters and filter bowl is clean (see diagnostic notes below).
Pulsating pressure from lance	Check filters are sealed and water tank is full, or check for debris in lance nozzle.
Uneven pressure for spray pattern	Check for debris in lance nozzle and clean if necessary.

## DIAGNOSTIC GUIDE

**If the machine has no pressure but the motor is running, you can check a few things first.**

Disconnect the main high-pressure hose from the pump with the valve set to "CLEANING LANCE". If water flows from here then you know the pump is operating.

If the machine still does not operate then switch off and disconnect the lance from the trigger. If water flows from here then you know the pump is operating.

If the machine still does not operate when in the "CLEANING LANCE" position then it is likely the LANCE nozzle (tip) is blocked. **DO NOT LOOK AT THE NOZZLE FROM THE FRONT TO CHECK.**



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**CERTIFICATE & DECLARATION OF CONFORMITY FOR CE MARKING**

**Company contact details:**

Morclean Ltd  
Stephenson Road Speedwell Industrial Estate, Staveley, Chesterfield S43 3JN  
Registered in England. 04605133  
Email. info@morclean.com www.morclean.com

**Morclean Ltd. declares under their sole responsibility that their:**

Morclean Wheelie Bin Washing Machines listed as the following models and variants  
Swift. Custom. Custom Plus. Optima. Custom 40. Custom DAILY. SKID. Static. City. Cargo.  
FLITE. AUTO & WR Variant. AUTO LITE. Custom TLX

**comply with the Essential Requirements of the following EU Directives:**

Machinery Directive 2006/42/EC  
Low Voltage Directive 2014/35/EU  
EMC Directive 2014/30/EU

**and further conform with the following EU Harmonized Standards as applicable:**

EN 60204-1:2006 + A1:2009  
EN ISO 14120:2015  
EN 809:1998+A1:2009  
EN ISO 4413:2010  
EN 61000-6-3:2007+A1:2011  
EN 61000-6-1:2007

**Dated:** 16 August 2018

**Position of signatory:** Director

**Name of Signatory:** Peter Morley

**Signed below:**

on behalf of Morclean Ltd.

**AUTO  
LITE**




## **Appendix E – Contingency Plan**



**NHS Northumbria  
Northumbria Specialist Emergency Care Hospital  
Northumbria Way, Cramlington, NE23 6NZ**

**Autoclave Contingency Plan**

August 2023

<b>PREPARED BY</b>	<b>Stella Consonni (Senior Consultant)</b>	<b>DATE</b>	<b>19.05.2023</b>
<b>REVIEWED BY</b>	<b>Jane Bond (Project &amp; Business Development Director)</b>	<b>DATE</b>	<b>01.08.2023</b>
<b>SIGNATURES</b>			
<b>VERSION No.</b>	1.0		

**Albion Environmental Limited**

Albion House, [www.albion-environmental.co.uk](http://www.albion-environmental.co.uk)  
1 Damside, T: 01292 610 428  
Ayr, KA8 8ER E: [info@albion-environmental.co.uk](mailto:info@albion-environmental.co.uk)  
Scotland, UK

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## 1.0 INTRODUCTION

### 1.1 Overview

As part of the Bespoke Permit Application, this Contingency Plan provides the required information including ceasing acceptance of waste, as per section 1.1 of the EPR 5.07 guidance, regarding the use of the CISA steriliser supplied by Peacocks Medical Group Limited.

## 2.0 CONTINGENCY PLAN

The Contingency Plan sets out the procedures to ensure appropriate response to incident occurring to the autoclave. This section provides a description of procedures to respond to incidents including target times for dealing with them when applicable.

### 2.1 Incidents – Typical Support

Overall, in the event of an incident with the autoclave, the first response support to the Northumbria Specialist Emergency Care Hospital (NSECH), that will be provided by the Autoclave supplier (Peacocks), includes the following procedures:

- Emergency response to assess level of damage, decide whether to invoke the Contingency Plan of the site and at what level, to notify staff etc.
  - Timescales: within 2 hours of the disaster
- Provision of an emergency level of service
  - Timescales: Within 4 hours of the disaster
- Support for restoration of key services
  - Timescales: Within 8 hours of the disaster
- Recovery to business as normal
  - Timescales: Within 8 hours of the disaster

As part of the supplier's (Peacocks) support, in the unlikely event of a major incident and their service cannot be resumed within 48 hours, they will provide appropriate cover, e.g., allocate another unit to the service located within the vicinity and/or replace the unit with a mobile support system. Any downtime will be recovered by making available additional personnel to work out of hours such as evenings and weekends.

### 2.2 Autoclave Breakdown

In the incident of malfunctioning/ breakdown of the Autoclave, while section 2 above is followed, the NSECH would have wastes collected by a qualified third party (SharpSmart Limited) for treatment/ and or incineration. It is worth pointing out that, due to the low quantity of wastes proposed to be treated on site, the risk of accumulation of wastes exceeding the allowed tonnage is considered exceptionally low.

### 2.3 Maintenance/ Servicing of Autoclave

Maintenance of autoclave will take place for testing and servicing periodically as required. These intervals will occur as follows:

- 1 day per month visit
- 2 days every 6 months visit
- 2 days annual visit

The site's autoclave can treat wastes daily in 12 hours, Mondays to Fridays. So, in such maintenance/ servicing events, the site would run for extended hours to catch up the surplus wastes, for example run for 24 hours to

catch up 3 days surplus. Where systems are more than 1 module e.g WSD200, 50% capacity will be available during the service and routine monitoring visit.

## 2.4 Emergency Contacts

The Emergency contacts are established between Peacocks and the NSECH for the following:

- Assessing the extent of the problem and its impact on the service
- Establishing facilities for an emergency level of service – off site
- Restoring key services within agreed timeframes
- Report, advise and liaise with the NSECH on the emergency and preventative measures for the future

### Contact List:

- On Call Engineer – 7 engineers on rota (service manager Danny Kendall)
  - Mobile no - 07967308163 / 07790578002 / 07968038950
  - Availability – 24 hours
- Admin Support – email [sme-service@peacocks.net](mailto:sme-service@peacocks.net) (technical and service or [sme-orders@peacocks.net](mailto:sme-orders@peacocks.net) for account and consumables)
  - Office no – 0191 2769618
  - Office hours 07:00 – 17:00
- Operations Manager – Andrew Hough
  - Mobile no - 07968038950
  - 8am – 8pm
- Operations Director – Gary Cooper
  - Mobile no -- 07790578002
  - Office hours – 07:00 – 17:00
- Facilities Manager – Matthew Clements – Strategic Waste Manager
  - Mobile no – 07766026959

**Appendix F – Daily Olfactory Checks/ Assessments**

<b>ODOUR OLFACTORY ASSESSMENT FORM</b>	
<b>Start time of assessment</b>	
<b>End time of assessment</b>	
<b>Location of assessment: Around Building; Site boundaries</b>	
<b>Weather conditions (dry, rain, fog, snow)</b>	
<b>Temperature (very warm, warm, mild, cold, or degrees if known)</b>	
<b>Wind strength (none, light, steady, strong, gusting)</b>	
<b>Wind direction (e.g. from NE)</b>	
<b>What does it smell like? How unpleasant is it? Do you consider this smell offensive?</b>	
<b>Intensity - How strong is it? (see below 0-5)</b>	
<b>Constant or intermittent in this period?</b>	
<b>What do you believe the source/cause to be?</b>	
<b>Any other comments or observations</b>	

**Intensity**

0 No odour

1 Faint odour - Faint odour - barely detectable, need to stand still and inhale facing into wind

3 Moderate odour - odour easily detectable while walking and breathing normally, possibly offensive

4 Strong odour - bearable, but offensive odour – will my clothes hair/smell?

5 Very strong odour - malodorous



**Appendix G - Complaint Form**


	<h2>Complaint Log</h2>	Version 2 - 2023
		1 of 2

Complainant Name & Contact details	Complaint No	Date Received

Nature of Complaint

Summary of Complaint

Recommendations/Corrective Actions

	<h1>Complaint Log</h1>	Version 2 - 2023
		2 of 2

Result of Investigation

Follow-up Actions Close Out

Follow-up Actions Closed Out by	Signature	Position	Date
Verification By	Signature	Position	Date