

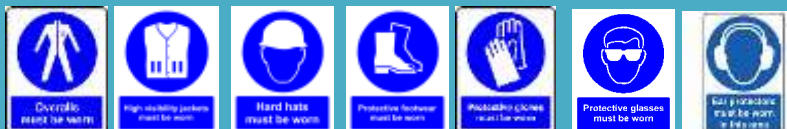
Cardiff WMRC Site Specific Instruction

Operation of the Crusher

Reference	SSoW-16Car
Inception date	August 2016
Version	3
Last Reviewed	Jan 2021
Author	P RANN
Approved by	P RANN

MANDATORY

PPE



DANGER/HAZARD								
RISK	Chemical burns	Hit by vehicle or injuring someone else	Cuts, loss of digits	Fire	Hit by falling objects	Slips and trips at same level	Cuts, abrasions	Sprain/Strain when lifting and moving items
PRECAUTIONS	Only crush non haz metal drums – approved by a chemist Use PPE (eye protection, gloves, overalls)	Maintain Key safe behaviours for traffic. 5 metre rule. Pedestrians or other Ops should keep away from moving vehicles	Ensure safety Interlock works (cuts machine off). Make sure guards on machine (ie you can't reach moving parts!)	Ensure good housekeeping (no combustible litter or dust)	Wear toe Protection Ensure the Safety chute is intact and working	Maintain good housekeeping to remove trip hazards, Clear bunds of any collected or spilt liquids	Wear Cut resistant gloves when handling waste	Follow appropriate manual handling techniques 1-Assess the task & load; 2- Turn & face the action; 3- Best foot forward; 4- Engage the legs

Related Documents/ Guides



QF687/88a checks



Site Rules



Biffa Op handbook



RA SW/TSN/36/L/300816/055*1

1. Obtain key from authorised key holder i.e. Supervisor or Manager

2. Carry out Pre operation Safety checks

- Record Checks on the check sheet QF687/88a – Pic 1 (Inform supervisor if no sheet is available)

REPORT any DEFECTS immediately

3. The main power comes from the crusher panel, located at the Right Hand Side of the unit and is isolated - Pic 2

The main supply fuse is located in the drum crusher room marked on the sealed distribution board

4. The emergency stop is located at the bottom of the of the hopper at the plunger aperture – Pic 3
To Release stop if engaged turn **RED** button clockwise – Pic 3

5. The safety cage features an interlock. When opened to place a drum into the hopper for crushing the plunger will stop and not function until its closed and reset preventing access to moving parts – Pic 4

6. When crushing drums fall from the chute, care must be taken to ensure the guard is operational and functioning. This will catch the falling drum and allow the operator access to collect crushed items – Pic 5

Checksheets – record checks and defects

Pic. 1

Crusher panel



Pic. 2

7. Drums due for crushing will be left in or in the vicinity of the crusher bay. The drums must retain their original label, this will allow the chemist to assess its content, if suitable the chemist will label the drum "crush" if not suitable the chemist will remove the drum from the area and clearly label "do not Crush"

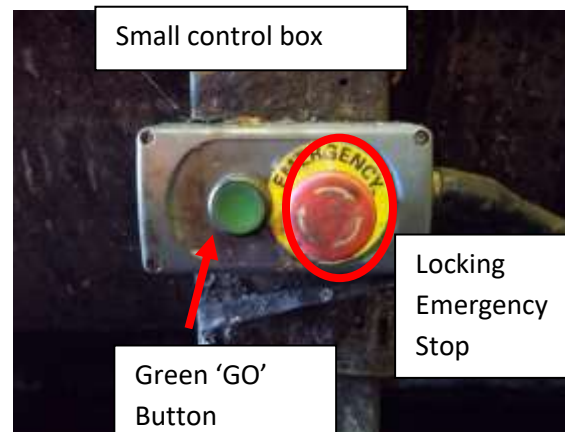
8. No drums will be crushed that contain more than residues and no drums will be crushed containing any solvent or volatile residues. Drums must not be crushed if their residual contents will cause any adverse reactions when mixed with other crushed drum residues

9. To commence Crushing, remove padlock from the isolation lock, then turn clockwise $\frac{1}{4}$ turn - Pic 2

10. Ensure the safety cage is fully closed over the hopper by sliding it all the way to the left - Pic 4

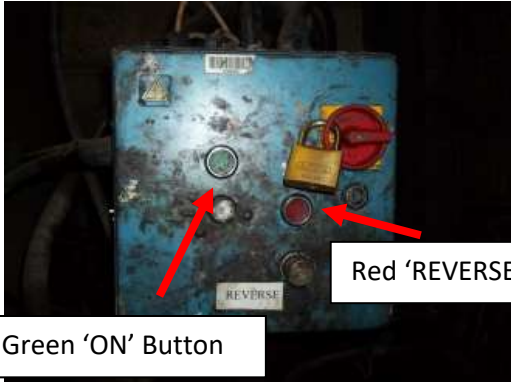


11. Press the green 'ON' button on the control panel to start the crusher - Pic 5. The plunger will reset if it is not already fully retracted

12. Open the safety cage (slide to right) and place an empty rinsed drums into the hopper. Only one drum at a time should be crushed n.b. Only drums marked "Crush" by a chemist are permitted to be crushed. No drums will be



Pic. 3



<p>crushed that contain more than residues and no drums will be crushed that contain any solvent residues</p> <p>13. Extend the safety chute so that when crushed drums fall from the hopper they will be captured – Pic. 6</p> <p>14. Close safety cage and press the green ‘GO’ button on the small control box – Pic.3</p> <p>15. Once the crushing is complete the plunger will automatically retract and the crushed drum will fall into the chute. Lift the crushed drum from the chute and transfer to the scrap metal bin</p>	<p>Pic. 4</p>  <p>Green ‘ON’ Button</p> <p>Red ‘REVERSE’ Button</p>  <p>Safety chute</p>
<p>16. Repeat the sequence 11 to 14 until all drums in this session have been crushed</p>	<p>Pic. 5</p>
<p>17. Should you need to stop the crushing process in the middle of a cycle press the Locking Emergency stop button on the small control box – Pic 3</p>	
<p>18. When crushing is complete (or going for break). Ensure complete closedown of the crusher.</p> <p>a) Press and hold ‘REVERSE’ until plunger is fully retracted – Pic 5</p> <p>b) Turn Isolation lock ¼ turn anticlockwise and</p>	<p>Pic. 7</p>

<p>replace the padlock</p> <p>c) Complete checklist QF687/88a post crushing</p> <p>d) Return key and personal lockout padlock to the authorised keyholder</p>	
<p>19. Ensure machine and working area is cleaned and left tidy. No tools, rags to be left out</p> <p>20. In the event of maintenance or breakdown of the crusher ensure that the isolation lock is replaced by a multihasp padlock. A minimum of two personal lock off padlocks must be applied in order to prevent unauthorised use – Pic 7</p>	<p>REMEMBER IF IN DOUBT – STOP AND ASK.</p> <p>DON'T CUT CORNERS</p> <p>SPEAK UP ON SAFETY</p> <p>STAY FOCUSED</p> <p>FOLLOW THE RULES</p> <p>STOP, THINK, CHECK, ACT</p>

I AGREE TO OPERATE THE MACHINERY IN ACCORDANCE WITH THIS INSTRUCTION

NAME

SIGNED

DATE

Instructed By –

NAME

SIGNED

DATE