ECOBAT LOGISTICS

Crescent Works

Willenhall Road

Darlaston WS10 8JR

Wednesbury , West Midlands

Permit EPR/DB3704FG

Permit Variation EPR/DB3704FG/V006

[ECOBAT Variation Doc 7]

Accident Management System

The Accident Management System entitled ECOBAT Emergency Plan (ECOBATSM12 Rev.05) , reviewed and updated November 2021 is attached.

Site Plan – pages –

Hazards on site, Emergency Arrangements, Emergency Arrangements-Specific for Emergency Services all cross refer.

WP

20th January 2022

Periodic Testing

All systems on site are periodically tested, please see below detailed information on this:

- Fire Alarm Sound Test – Weekly Sound Test – all devices to be tested within 1 calendar year.
- Fire Alarm Panel Check – Daily Check (Working Days)
- Fire Drill – Carried out twice yearly minimum – (full site evacuation)
- Spillage Drill – Carried out once yearly.
- First Aid Alarm Sound Test – All Devices to be tested within 1 calendar year.
- Panic Alarm Sound Test – All devices to be tested within 1 calendar year.
- Door Releases – All devices to be tested within 1 calendar year.

All systems are reviewed and revised if necessary, when/if there has been an emergency on site or any processes change on site.

Incident Management (Environmental Protection)

In the event of an incident occurring at the Site, it is likely that wash waters will be generated by the emergency services to "quench" a fire, chemical spill or Noxious gas emission.

It is highly unlikely that chemical spills or noxious gas emission shall occur due to the nature of the materials handled within this site, however the scope of environmental concerns or hazards that may develop in an emergency culminating in copious amounts of water becoming contaminated have been considered. The following steps shall be taken to ensure that the fire wash waters, likely to be contaminated with Lead, cadmium, sulphuric acid etc. are adequately controlled and contained on site.

The site has self-contained storage capacities.

- 30,000 litres acid/water storage tank.
- ETP has 80,000 litre storage capacity.
- 33,000 litres weigh-bridge pit.
- The site yard surface - bunded around all its sides up to 150mm depth at its minimum, leads itself to a further 250,000 litres storage capacity.

Water will initially be pumped from the yard surface into the acid/water storage tank & effluent treatment plant.
It will then be arranged for emergency tankers to be called onto the site, as soon as an emergency has been identified, to tanker away the wash waters generated. These will be supplied by Veolia Environmental Services. If the Tankers cannot get to site before the tank capacities are full and the yard area would then start to fill with water. The Incident controller will monitor the protection of the environment throughout the incident and in consultation with the EA, who will be called to attend the site. In the event of a danger to the off-site escape of water from the site causing pollution to surrounding ground and/or controlled inland waters the manhole leading directly to the sewer system will be lifted. Samples of the wash water will be taken and the water pumped straight

to the foul sewer. STW Ltd will be contacted to inform them of the incident, and an estimate of the amount of contaminated water diverted to sewer will be recorded.
Water Authority Emergency Contact Number – 0800 783 4444

All accidents & incidents will be recorded, investigated as per Process SM13.
Breaches of permit conditions will be recorded, investigated and the Environment Agency informed within 24 hours of initial incident, with full investigation sent over to the Environment Agency once completed, along with any corrective actions highlighted.

Emergency Telephone List

Ref	Position	Contact Number
1	Operations Manager	07917 374196
2	Operations Controller	07917 374198
3	Senior Site Supervisor	07802 545709
4	Site Supervisor	07824 815077
5	Specialist Supervisor	07795 571213
6	HSE / Compliance	07713 323440/07802545702
7	Team Leader	07713 282557
8	D&D EV Manager (Unit 5)	07511 613299
8	Managing Director	07802 545708
9	HSE Ecobat Director	07766 868283

In the event of an any emergency outside Office Hours, one of the above (1 or 2) member of management based at site must be contacted at the time of event.

For a serious incident, personnel reference 9 & 10 must also be contacted at the time of event.

Categorisation of Emergency Situation's

CATASTROPHIC
- Death at work
- National adverse publicity
- Corporate investigation
- Many staff and / or third parties involved
- Serious fire / environmental damage
- Loss of plant and equipment affecting ability to operate and off-line for more than 1 week
- High Financial loss
- (over £500,000)

MAJOR
- Extensive injury / permanent disability
- Loss of production capability
- Local adverse publicity
- Potential for significant environmental damage (e.g. oil spill)
- Moderate number of staff / third parties involved
- Major Financial loss (£100,000-£150,000)

MODERATE
- Risk to Organisation
- Severe injury / semi-permanent injury
- Disruption of service for more than 24hours
- Needs careful public relations
- Small numbers of staff / third parties involved
- Medium Financial loss (£25,000-£100,000)

MINOR
- Short Term Injury
- Minimal risk to organisation
- Less than three persons involved
- Local complaints
- Moderate Financial loss (under £25,000)

Fire Marshall & First Aider

Fire Marshall – There are a minimum of 10 fire marshal in total, with a minimum of 5 being on site at any one time.

First Aider – There are a minimum of 10 first aiders in total, with a minimum of 5 being on site at any one time

All accidents will be recorded on the designated accident book within the medical room on site.

Appendix 1 Past Incidents & Improvements

The below previous incidents have occurred on site:

2008

August 2008 – Whole storage area, automotive battery ignited – No injury however loss of property

2014

January 2014 – Approx. 120 containers of lithium fire – No injury superficial damage to property

February 2014 – Small fire approx. 1 container whilst sorting material from previous fire – no injury or damage of property

March 2014 – Draw bridge implemented for easy access to water for the fire crew

June 2014 – Control form process implemented including risk categories for material

July 2014 – Sacrificial building implemented for high risk material

2017

16 reports of smoking batteries – 1 alkaline, 1 Nickel Cadmium, 2 Lead Acid, 2 NiMH, 9 Lithium

May 2017 – 1 drum lithium fire – 1 lost time injury and damaged to unit

May 2017 – Full site review of lithium – No lithium permitted to be sorted or stored within the main building

May 2017 – Waste pre-acceptance process reviewed including control form process

May 2017 – Non-conformance log implemented with high risk customers highlighted

2018

40 reports of smoking batteries - 1 Nickel Cadmium, 2 NiMH, 6 Lead Acid, 32 Lithium

August 2018 – Single battery fire within unit 3 in hopper – no damage to property or injuries

Continual improvements implemented including training for all on site / drivers included

Customer education and awareness

2019

March 2019 - Diesel spillage, approx. 15litres spilled during loading of vehicle

November 2019 – Lead acid collection, vehicle fire – damage to curtain only

Continued customer education and awareness held through a variety of site visits

18 reports of smoking batteries - 1 Nickel Cadmium, 1 NiMH, 1 Lead Acid, 15 Lithium

2020

January 2020 – Collection of mixed non-lead acid, vehicle fire – damage to curtain and bins.

March 2020 – Fire within sacrificial building, fire service attended – damaged to building and contents.

2021

February 2021 – Fire within sacrificial building 3 LB1 – FLT removed material from building, no damage to building of employees. Fire Service Attended

Appendix 2 – Substances Stored on Site

Potential Substances stored on site at any one time are recorded below, please refer to COSHH assessment located within the fire control folder within main reception for detailed information.

Waste:
Lithium Ion Batteries – EWC 16 06 05 - UN 3480
Lithium Primary Batteries – EWC 16 06 05 - UN 3090
Alkaline Batteries - EWC 16 06 04
Nickel Cadmium Batteries – EWC 16 06 02* - UN 3028 & UN 2794
Nickel Metal Hydride Batteries - EWC 16 06 05
Lead Acid Batteries - EWC 16 06 01* - UN 2795 & UN 2800
Battery Fluid, Alkali - EWC 16 06 06* - UN 2797
Black Mass – EWC 19 12 12 – UN 3077
Sulphuric Acid - EWC 16 06 06* - UN 2796
Aerosols – EWC 16 05 04* - UN 1950
Oils – EWC 13 01 09* - 13 01 13*, 13 02 04* - 13 02 08*, 13 04 01* - 13 04 03* - UN 3077
Fuel Oil and Diesel – EWC 13 07 01* & 13 07 03* - UN1202
Fluorescent Tubes – EWC 20 01 21*

Other Substances:
AdBlue (1 x 5,000Litre Tank)
Diesel (1 x 20,000 Litre Tank)
Gas Oil (1 x 2,500Litre Tank)
Calcium Dihydroxide (2 x IBC)
Calcium oxide (2 x pallet)
CO2 (1600 litre tank)