

Attachment-7-7-1 Stormwater Monitoring

1.0 CONTROL MONITORING

The only bulk chemicals stored onsite is diesel. The stormwater drainage network will be equipped with Class 1 by-pass interceptors to capture any diesel spillages outside of the bulk tank storage bunds as well as fuels from vehicles using the internal road network.

The hydrocarbon interceptors are equipped with level detectors that connect to the BMS/EPMS critical alarm. These will be used to determine whether hydrocarbons have entered the stormwater network.

The bulk tank storage bunds have diesel probes, connected to an alarm, within the concrete bund to detect diesel spillages inside of the bulk tank storage bunds.

The containerised emergency backup generator housing includes retention bunding in the base of the container, there are leak detection systems within the bund to alert in the event of a leak from the generator fuel tank or lubricating oil tank. The onboard controller for individual generators is connected to the Building Management System (BMS).

As such, the proposed control monitoring is the on-line monitoring of the hydrocarbon interceptor levels by the BMS.

2.0 MONITORING OF EMISSIONS

No online monitoring is proposed for the stormwater discharge. The only bulk chemicals stored are hydrocarbons; adequate control measures are in place to monitor any potential leaks or spills of hydrocarbons at source.

It is proposed that weekly visual inspections for discolouration and odour are undertaken upstream of the stormwater discharge points (Monitoring Point SW1, SW2, SW3, and SW4).

Due to the lack of bulk chemicals storage on site, and the robust control measures outlined above it is considered that no further monitoring or control methods are required.