

# Schedule 5 - Notification

These pages outline the information that the operator must provide.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

If any information is considered commercially confidential, it should be separated from non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the EP Regulations.

## Part A

Permit Number	EPR / LP3030XA
Name of operator	Viridor Trident Park Limited
Location of Facility	Trident Park, Glass Avenue, Cardiff. CF24 5EN
Time and date of the detection	19:30H on 11 January 2023

<b>(a) Notification requirements for any activity that gives rise to an incident or accident which significantly affects or may significantly affect the environment</b>	
<b>To be notified within 24 hours of detection</b>	
Date and time of the event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances(s) potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident.	

<b>(b) Notification requirements for the breach of a permit condition</b>	
<b>To be notified within 24 hours of detection unless otherwise specified below</b>	
Emission point reference/ source	A1
Parameter(s)	TOC
Limit	Half Hourly average 20 mg/m3
Measured value and uncertainty	85.81 mg/m3
Date and time of monitoring	19:30H on 11 January 2023
Measures taken, or intended to be taken, to stop the emission	Boiler brought off line.

Time periods for notification following detection of a breach of a limit	
Parameter	Notification period

(c) In the event of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment:	
To be notified within 24 hours of detection	
Description of where the effect on the environment was detected	
Substances(s) detected	
Concentrations of substances detected	
Date of monitoring/sampling	

**Part B - to be submitted as soon as practicable**

Any more accurate information on the matters for notification under Part A.	<p>1724h Circuit breaker providing power supply to common MCC switchboard opened.</p> <p>Power supply lost to common MCC board. On call electrical Technician, E,C&amp;I Engineer and Principal Electrical Engineer (South) mobilised to attend site to investigate.</p> <p>1729h Load dropped safely on both boilers as precaution in preparation to come off waste and run grate clear as bottom ash system is fed from the common MCC board. L1 feed chute damper closed at 1808h.</p> <p>The plant's diesel pumps are fed from this common board. As a result of the electrical supply being lost to this board the diesel pumps were not available, resulting in the burners not starting. During shutdown of boiler 1 unstable combustion conditions resulted in a short term spike in TOC emissions, resulting in the half hourly emission measurement reported.</p>
Measures taken, or intended to be taken, to prevent a recurrence of the incident	<p>Currently, as per the plant design, all 4 fuel pumps are fed from the common MCC board. As a result of this event Viridor is going to keep 2 of the fuel pumps on the common MCC board and relocate 2 of the fuel pumps to the main 415V Common switchboard to make the system more robust.</p>

	<p>This project will look at retrofitting spare compartments on the main 415V Common switchboard and the DCS control signals.</p> <p>This project will provide redundancy if there is an issue with the Common MCC 415V supply or control voltage which could prevent the Common MCC 415V incomer from closing, and ensure that power supply from the main 415V Common switchboard is available to the fuel pumps in the event of a recurrence of this issue.</p> <p>In addition to this improvement Viridor is also planning to replace the existing 110V power supply units to the Boiler 1, Boiler 2, FGT 1, FGT 2 and Common MCC switchboard breakers with hard wired electrical cabling back to the 110V DC battery charging unit in the HV room. The 110V DC battery charging unit has a more robust monitoring and alarm warning system, and will remove the need for separate power supply units to each breaker.</p> <p>This is a standard design feature and we are sharing this information within the fleet and anticipate sharing with other operators of ERFs within the UK.</p>
<p>Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission</p>	<p>Investigation by on call electrical Technician, E,C&amp;I Engineer and Principal Electrical Engineer (South) identified that the 110v power supplies to the circuit breaker providing power supply to the common MCC switchboard had failed. Replacement power supplies installed and breaker close at 2100h, at which point all affected plant and equipment fed from the common MCC switchboard was reset and restarted.</p> <p>The boiler was brought off line in a safe manner.</p>
<p>The dates of any unauthorised emissions from the facility in the preceding 24 months.</p>	<p>23_1_2021 6_8_2021 12_9_2021 31_10_2021 20_12_2021 23_2_2022 10_7_2022 27_7_2022 29_7_2022</p>

<b>Name*</b>	[REDACTED]
<b>Post</b>	EHS Manager
<b>Signature</b>	[REDACTED]
<b>Date</b>	23_01_2023

\* authorised to sign on behalf of the operator