

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

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| Permit Number | EPR/AB3092CV |
| Name of operator | Parc Adfer Operations Limited |
| Location of Facility | Parc Adfer Energy Recovery Facility Deeside CH5 2LL |
| Time and date of the detection | 7 th April 2020 at 21:29hrs 8 th April 2020 at 00:59hrs 8 th April 2020 at 10:29hrs |

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| (a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution | |
| To be notified within 24 hours of detection | |
| Date and time of the event | 7 th April 2020 at 21:29hrs 8 th April 2020 at 00:59hrs 8 th April 2020 at 10:29hrs |
| Reference or description of the location of the event | On the 7 th April the CEMS system showed a High Level on Carbon Monoxide for the 21:00 to 21:29 half hour average of 138.60 mg/Nm ³ . On the 8 th April the CEMS system showed a High Level on Carbon Monoxide for the 00:30 to 00:59 half hour average of 153.85 mg/Nm ³ . On the 8 th April the CEMS system showed a High Level on Carbon Monoxide for the 10:00 to 10:29 half hour average of 119.21 mg/Nm ³ . The daily limits were not exceeded as the daily averages were 7.90 and 9.83mg/Nm ³ respectively against an ELV of 50mg/Nm ³ |
| Description of where any release into the environment took place | Release to air of Carbon Monoxide from the single A1 stack over a half hour periods for the day. |
| Substances(s) potentially released | Carbon Monoxide |
| Best estimate of the quantity or rate of release of substances | (a) 7 th April 21:00 to 21:29hrs approx 5 minutes of above IED limit of 100mg/Nm ³ (b) 8 th April 00:30 to 00:59hrs approx 11 minutes of above IED limit of 100mg/Nm ³ (c) 8 th April 10:00 to 10:29hrs approx 26 minutes of above IED limit of 100mg/Nm ³ |
| Measures taken, or intended to be taken, to stop any emission | Combustion Control System (CCS) automatic correction function to increase secondary air input took place, which was effective in returning CO levels to below IED limits for the subsequent respective half hour. |

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| Description of the failure or accident. | <p>Emission to air event on 7th April between 21:00hrs and 21:29hrs. Continuous Emissions Monitoring System (CEMS) data recorded half hour exceedance of 138.60mg/Nm³ over a half hour episode but returned below limits for the following HHA periods. And the daily ELV remained valid and within limits.</p> <p>Emission to air event on 8th April between 00:30hrs and 00:59hrs. Continuous Emissions Monitoring System (CEMS) data recorded half hour exceedance of 152.85mg/Nm³ over a half hour episode but returned below limits for the following HHA periods. And the daily ELV remained valid and within limits.</p> <p>Emission to air event on the 8th April between 10:00hrs and 10:29hrs. Continuous Emissions Monitoring System (CEMS) data recorded half hour exceedance of 119.21mg/Nm³ over a half hour episode but returned below limits for the following HHA periods. And the daily ELV remained valid and within limits.</p> <p>For all of the above events the stable combustion conditions were compromised due to changes in the incoming waste quality and composition as a result of the Covid-19 crisis affecting Local Authority and Third-Party waste.</p> <p>This was further exacerbated by a shortage of manpower due to a number of staff being temporarily quarantined in order to comply with government COVID-19 guidance. This impacted the mixing of wastes within the reception bunker.</p> |
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| (b) Notification requirements for the breach of a limit | |
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| To be notified within 24 hours of detection unless otherwise specified below | |
| Emission point reference/ source | A1 stack - breach of ELV for CO for one HHA period. |
| Parameter(s) | Carbon Monoxide (CO) |
| Limit | 100 mg/Nm ³ |
| Measured value and uncertainty | (a) 7 th April 2020 21:29 - Half hour average of 138.60 mg/Nm ³ (b) 8 th April 2020 00:59 - Half hour average of 152.85 mg/Nm ³ (c) 8 th April 2020 10:29 - Half hour average of 119.21 mg/Nm ³ Uncertainty value of 10% |
| Date and time of monitoring | Tuesday 7 th April 2020 at 21:00hrs to 21:29hrs Wednesday 8 th April 2020 00:30am to 0.59am Wednesday 8 th April 2020 10:00am to 10.29am |
| Measures taken, or intended to be taken, to stop the emission | <p>Oxygen balance was automatically adjusted by the CCS and brought the CO level below IED ELV.</p> <p>Further measures to be taken to prevent reoccurrence are as follows:</p> <ul style="list-style-type: none"> -Monitoring of load quality. -Increased mixing of waste -Boiler O2 set point marginally increased to assist with CO production as a result of the current altered waste composition. -Rescheduling of manpower / crane drivers during the Covid 19 crisis due to self-isolation. -Continue liaising with Local Authorities regarding waste quality, quantity and availability. |

| Time periods for notification following detection of a breach of a limit | |
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| Parameter | Notification period |
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| Carbon Monoxide | 7 th April 21:00am to 21.29am |
| Carbon Monoxide | 8 th April 00:20am to 0.29am |
| Carbon Monoxide | 8 th April 10:00am to 10.29am |

| (c) Notification requirements for the detection of any significant adverse environmental effect | |
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| To be notified within 24 hours of detection | |
| Description of where the effect on the environment was detected | No effect on the environment detected |
| Substances(s) detected | None |
| Concentrations of substances detected | N/A |
| Date of monitoring/sampling | 07/04/2020 and 8/4/2020 |

Part B - to be submitted as soon as practicable

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| Any more accurate information on the matters for notification under Part A. | |
| Measures taken, or intended to be taken, to prevent a recurrence of the incident | Monitoring of load quality. Increased mixing of waste Boiler O2 set point marginally increased to assist with CO production with the current altered waste composition. Rescheduling of manpower / crane drivers during the Covid 19 crisis due to self-isolation. Liaising with Local Authorities regarding waste quality, quantity and availability. |
| 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 | NA |
| The dates of any unauthorised emissions from the facility in the preceding 24 months. | 28 th January 2020 8 th February 2020 20 th February 2020 23 rd March 2020 |

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| Name* | P. Preece |
| Post | Plant Manager |
| Signature |  |
| Date | 09/04/2020 |

* authorised to sign on behalf of the operator