



# LCPD – Quick guide

Depending on the type of reports produced, LCPD can be configured to use a standard daily report template, custom Daily, Quarterly or Yearly reports. Choose the start date and select the reporting period, then click 'Compile' to generate the report (Custom reports can be created to use various different reporting periods)

Alternatively the reports can be printed out, to do this click on the 'Report' button, this will use the standard printer that has been configured in Windows. (Note: the printer can be changed by clicking on the 'Setup' button)

Different custom reports can be selected by using the drop down menu in the custom reports section. Make sure the 'Custom Report' tick box is selected then choose the desired report. Making sure the date is correctly selected

Once a report has been compiled there are various methods to save a report for external use. Options include PDF, CSV or Excel format

LCPD can also show Custom Daily Reports. To view these reports, click on the 'Day' option button and then 'Compile'. LCPD will now display a 'Day report selection', showing the different Custom Daily Reports (The example shows four different reports, which when selected display each report).

**Report period**

Day 
  Week 
  Month 
  Qtr 
  6 mths 
  9 mths 
  Year

Jan 1 Jan 2015

Report Compile Setup

**Report formats**

Standard 
  Detail 
  Custom reports

Mass sum 
  Mass det.

1. HRSG1 IED CON2\_GT1.xls

Report formats: PDF, v,v, csv, Excel, About, Log in

**Day report selection**

Report 1 
  Report 2 
  Report 3 
  Report 4

**RELEASES TO AIR**  
**QUARTERLY RETURN**  
**MONTHLY MEAN, MAXIMUM DAILY MEAN AND ANNUAL PERCENTILE CONCENTRATIONS**

**OPERATING MODE:**

Operator: Form: IED CON 2 (Gas Turbines)

Location: Version/date: V.3.1 31 Dec 2015

Permit/Variation Number:

| Year: 2019                  | LCP 81       |                |                          |              |                |                          |
|-----------------------------|--------------|----------------|--------------------------|--------------|----------------|--------------------------|
|                             | NOx (mg/m3)  |                |                          | CO (mg/m3)   |                |                          |
| Month                       | Monthly Mean | Max Daily Mean | Part Load Max Daily Mean | Monthly Mean | Max Daily mean | Part Load Max Daily Mean |
| January                     | 40.37        | 50.28          |                          | 4.2          | 14.3           |                          |
| February                    | 40.96        | 47.12          |                          | 6.2          | 12.0           |                          |
| March                       | 36.23        | 40.96          |                          | 12.0         | 36.7           |                          |
| April                       | 40.90        | 44.83          |                          | 4.4          | 16.4           |                          |
| May                         | 40.00        | 43.22          |                          | 4.3          | 6.9            |                          |
| June                        | 37.15        | 44.42          |                          | 5.3          | 20.7           |                          |
| July                        | 42.52        | 46.69          |                          | 3.3          | 16.4           |                          |
| August                      | 36.31        | 40.31          |                          | 9.1          | 17.2           |                          |
| September                   | 39.35        | 42.54          |                          | 6.5          | 22.0           |                          |
| October                     | -            | -              |                          | -            | -              |                          |
| November                    | -            | -              |                          | -            | -              |                          |
| December                    | -            | -              |                          | -            | -              |                          |
| Monthly ELV / Daily ELV (t) | 50           | 55             |                          | 80           | 80             |                          |
| Annual 95th Percentile (h)  | 47.57(84)    |                |                          | 17.2(84)     |                |                          |
| Annual Percentile ELV (g)   | 90           |                |                          | 120          |                |                          |

NOTES:

(a) All data based on validated hourly average concentrations, excluding start-up and shut-down and periods of malfunction or breakdown of abatement equipment, at 15% O2, dry, 273.15K, 101.325 kPa

(b) Annual percentiles are submitted with the final return (Quarter 4)

(c) Extend report to cover the required number of LCP on each site and repeat report for each separately regulated Operating Mode as required, e.g. Combined Cycle, Open Cycle, Supplementary firing, Auxiliary firing

(d) Averages determined at loads in the range 70% < Load ≤ 100% ISO base load and above

(e) Averages determined at loads in the range MSUL\* < Load = 100% ISO base load and above (\* For a 3 parameter approach, from the point of Start-Up to the point of Shut-down)

(f) Leave the Daily ELV blank if this is applied as a 95th percentile ELV within the Permit

(g) For each pollutant, report the Annual 95th percentile ELV for hourly averages in the first column and, if applicable, the Annual 95th percentile ELV for daily means in the second column

(h) For each pollutant, report the Annual 95th percentile of hourly averages in the first column and, if applicable, the Annual 95th percentile of daily means in the second column

Signed on behalf of the Operator by: .....

Date of return: .....

Confidence adjusted values

# LCPD – Quick guide

Depending on the type of reports produced, LCPD can be configured to use a standard daily report template, custom Daily, Quarterly or Yearly reports. Choose the start date and select the reporting period, then click **'Compile'** to generate the report (Custom reports can be created to use various different reporting periods)

LCPD can also show Custom Daily Reports. To view these reports, click on the **'Day'** option button and then **'Compile'**. LCPD will now display a **'Day report selection'**, showing the different Custom Daily Reports (The example shows four different reports, which when selected display each report).

E-mail recipients can be added into the list, type the email address into the text box, then click **'Add Address'** once complete. **Note:** The max number of addresses that can be added is 12

Once logged in, further configuration is available. 'Email settings' can be set here:

The grid is used to define which reports are emailed out/auto saved. Clicking **'Add Report'** will create a new line to configure the report, repeat the process for however many reports are needed.

The **'Next Report Date'** tab, defines when the report will be emailed/ saved.

The **'Custom Rep'** tab is where the name of the report is defined (The full name of the report must be entered including the file extension).

The **'Report'** tab is the frequency of when the report is sent out.

**'Standard Rep'** refers to the type of report (Standard or Custom). Once complete, click **'Save Reports'** to save the settings.

Alternatively the reports can be printed out, to do this click on the **'Report'** button, this will use the standard printer that has been configured in Windows. (**Note:** the printer can be changed by clicking on the **'Setup'** button)

Different custom reports can be selected by using the drop down menu in the custom reports section. Make sure the **'Custom Report'** tick box is selected then choose the desired report. Making sure the date is correctly selected

Once a report has been compiled there are various methods to save a report for external use. Options include **PDF, CSV or Excel** format

The Auto Email will need to be configured with outgoing server settings, these include SMTP server, Username & Password for the email account, the email account that is going to be used for the auto emailing, Port number, Authentication Type and SSL Method. Please note, you may have to contact your I.T administrator for these details. Once complete click, **'Save All Settings'** to save the email settings

If the reports are being auto saved, a location needs to be specified before LCPD can save the reports. Once complete click, **'Save Reports'** to save the settings

The screenshot displays the LCPD software interface. At the top, there are tabs for 'Daily report', 'Contents', 'Op. modes', 'Start/ report logic', and 'Email Settings'. The 'Daily report' tab is active, showing 'Report period' (Day, Week, Month, Qtr, 6 mths, 9 mths, Year) and 'Report formats' (Standard, Detail, Mass sum, Mass det., Custom reports). A dropdown menu shows '1. HRS G1' and 'IED CON2\_GT1.xls'. Buttons for 'Report', 'Setup', 'PDF', 'Excel', 'About', and 'Log in' are visible.

The 'Email/SMS Settings' tab is also shown, with options for 'Enable Auto Email and Print', SMTP Server details, and 'Authenticate Server'.

At the bottom, a table lists report configurations:

| Next Report date    | Custom Rep      | Report  | Standard Rep | Grp. | Mail                                | Print                    | PDI                                 |
|---------------------|-----------------|---------|--------------|------|-------------------------------------|--------------------------|-------------------------------------|
| 29/10/2019 02:00:00 | IED AR1_GT1.xls | Day     | Custom       | NA   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 02/01/2020 08:05:00 | IED W1.xls      | Monthly | Custom       | NA   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 02/01/2020 08:10:00 | IED             | Monthly | Custom       | NA   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 02/01/2020 08:15:00 | IED             | Monthly | Custom       | NA   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 02/01/2020 08:20:00 | IED AR1_GT1.xls | Monthly | Custom       | NA   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 02/01/2020 08:22:00 | IED AR1_GT2.xls | Monthly | Custom       | NA   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 02/01/2020 08:30:00 | IED             | Monthly | Custom       | NA   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 02/01/2020 08:35:00 | IED             | Monthly | Custom       | NA   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 02/01/2020 08:40:00 | IED FR1.xls     | Monthly | Custom       | NA   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

The 'Report' tab is selected, showing a data table for 'RELEASES TO AIR QUARTERLY RETURN MONTHLY MEAN, MAXIMUM DAILY MEAN AND ANNUAL PERCENTILE CONCENTRATIONS OPERATING MODE:'. The table includes columns for Year (2019), Month, and pollutant concentrations (NOx, CO, Part Load Max Daily Mean).

| Year: 2019                 | LCP 81       |                |                          |              |                |                          |
|----------------------------|--------------|----------------|--------------------------|--------------|----------------|--------------------------|
|                            | NOx (mg/m3)  |                |                          | CO (mg/m3)   |                |                          |
| Month                      | Monthly Mean | Max Daily Mean | Part Load Max Daily Mean | Monthly Mean | Max Daily Mean | Part Load Max Daily Mean |
| January                    | 40.37        | 50.28          |                          | 4.2          | 14.3           |                          |
| February                   | 40.96        | 47.12          |                          | 6.2          | 12.0           |                          |
| March                      | 36.23        | 40.96          |                          | 12.0         | 36.7           |                          |
| April                      | 40.90        | 44.83          |                          | 4.4          | 16.4           |                          |
| May                        | 40.00        | 43.22          |                          | 4.3          | 6.9            |                          |
| June                       | 37.15        | 44.42          |                          | 5.3          | 39.7           |                          |
| July                       | 42.52        | 46.69          |                          | 3.3          | 16.4           |                          |
| August                     | 36.31        | 40.31          |                          | 9.1          | 17.2           |                          |
| September                  | 39.35        | 42.54          |                          | 6.5          | 22.0           |                          |
| October                    | -            | -              |                          | -            | -              |                          |
| November                   | -            | -              |                          | -            | -              |                          |
| December                   | -            | -              |                          | -            | -              |                          |
| Monthly ELV (n)            | 50           | 55             |                          | 80           | 80             |                          |
| Daily ELV (n)              |              |                |                          |              |                |                          |
| Annual 95th Percentile (h) | 47.57(84)    |                |                          | 17.2(84)     |                |                          |
| Annual Percentile ELV (n)  | 90           |                |                          | 120          |                |                          |

Below the table, there are 'NOTES' and a signature line: 'Signed on behalf of the Operator by: \_\_\_\_\_' and 'Date of return: \_\_\_\_\_'. At the bottom, there are buttons for 'Add report', 'Delete report', 'Save reports', and 'With date'.