

Mesačný protokol emisných hodnôt za mesiac 11/2014

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|--------------------------------|----------------------------|----------|-----------|
| Preádzkovateľ: | CM European Power Slovakia | Zdroj: | Tepláreň |
| Meracie miesto: | Kotol K4 | Palivo : | ZRZ+RP+ZP |
| Celkový čas prevádzky systému: | 626hod 55min | Kód: | 0074 |
| ID oprávnených osôb: | operator | Strana : | 1/5 |
| Tlačené dňa: | 01.12.14 | | |

| Veličina | O2 | TEMP | PRES | ObPr | SO2r | | |
|------------|------|--------|-------|-----------|---------------------|---------|-------|
| Jednotka | % | °C | hPa | Nm3/h | mg/m ³ N | kg/deň | |
| EL | | | | | - | | |
| I(%) | | | | | 20 | | |
| Dátum | PDH | PDH | PDH | PDH | PDH | MZLd | Pozn. |
| 01.11.2014 | - | - | - | - | - | - | |
| 02.11.2014 | - | - | - | - | - | - | |
| 03.11.2014 | 5.78 | 178.58 | -0.05 | 75553.79 | 635.99 | 528.16 | |
| 04.11.2014 | 5.52 | 187.52 | 0.64 | 87275.13 | 608.18 | 1086.78 | |
| 05.11.2014 | 5.49 | 187.24 | 0.75 | 81564.88 | 1129.36 | 1880.60 | |
| 06.11.2014 | 4.37 | 184.20 | 0.46 | 73607.24 | 1825.78 | 2959.66 | |
| 07.11.2014 | 4.14 | 184.36 | 0.30 | 68843.65 | 2127.37 | 3293.11 | |
| 08.11.2014 | 3.36 | 186.55 | 0.77 | 81539.91 | 2142.89 | 4112.25 | |
| 09.11.2014 | 3.84 | 186.52 | 0.42 | 72720.33 | 2141.23 | 3567.50 | |
| 10.11.2014 | 3.50 | 187.16 | 0.95 | 83478.38 | 2183.98 | 4255.51 | |
| 11.11.2014 | 4.49 | 182.15 | 0.49 | 68604.25 | 2173.70 | 3315.18 | |
| 12.11.2014 | 4.03 | 181.90 | 0.67 | 74262.63 | 2352.40 | 3974.61 | |
| 13.11.2014 | 3.57 | 180.61 | 1.94 | 102131.80 | 2229.66 | 5339.26 | |
| 14.11.2014 | 2.77 | 180.76 | 2.42 | 117501.47 | 1848.54 | 5257.57 | |
| 15.11.2014 | 2.99 | 180.15 | 1.72 | 96074.16 | 1839.55 | 4246.33 | |
| 16.11.2014 | 2.95 | 180.05 | 1.72 | 96069.65 | 1898.96 | 4390.43 | |
| 17.11.2014 | 2.98 | 180.09 | 1.72 | 96788.56 | 1850.73 | 4302.59 | |
| 18.11.2014 | 3.18 | 180.67 | 1.81 | 98930.10 | 1937.04 | 4561.49 | |
| 19.11.2014 | 3.29 | 183.37 | 1.28 | 94246.93 | 1983.19 | 4405.12 | |
| 20.11.2014 | 3.84 | 180.96 | 0.65 | 80129.20 | 1950.72 | 3577.27 | |
| 21.11.2014 | 3.92 | 181.36 | 0.59 | 78443.88 | 2107.73 | 3768.93 | |
| 22.11.2014 | 4.01 | 181.16 | -0.22 | 76379.81 | 1747.16 | 3022.93 | |
| 23.11.2014 | 4.00 | 181.37 | -0.23 | 76865.22 | 2229.80 | 3885.97 | |
| 24.11.2014 | 4.13 | 181.36 | -0.22 | 75730.97 | 2332.11 | 3958.28 | |
| 25.11.2014 | 3.89 | 181.89 | 0.21 | 84104.37 | 2394.29 | 4559.31 | |
| 26.11.2014 | 3.37 | 183.19 | 1.00 | 94414.10 | 2544.94 | 5648.75 | |
| 27.11.2014 | 3.41 | 184.82 | 1.36 | 93263.26 | 2482.40 | 5429.31 | |
| 28.11.2014 | 3.48 | 185.55 | 1.30 | 90779.77 | 2429.87 | 5143.32 | |
| 29.11.2014 | 3.76 | 185.37 | 0.99 | 87963.99 | 2498.80 | 2948.29 | |
| 30.11.2014 | - | - | - | - | - | - | |
| PMH | 3.82 | 182.96 | 0.88 | 85588.02 | 2008.24 | 164.94 | |

Mesačný protokol emisných hodnôt za mesiac 11/2014

Prevádzkovateľ: CM European Power Slovakia
Meracie miesto: Kotel K4
Celkový čas prevádzky systému: 626hod 55min
ID oprávnených osôb: operator
Tlačené dňa: 01.12.14

Zdroj: Tepláreň
Palivo : ZRZ+RP+ZP
Kód: 0074
Strana : 2/5

| Veličina | O2 | TEMP | PRES | ObPr | SO2r | | Pozn. |
|---------------------|------|--------|------|----------|---------------------|--------|-------|
| | % | °C | hPa | Nm3/h | mg/m ³ N | kg/deň | |
| PMH | 3.82 | 182.96 | 0.88 | 85588.02 | 2008.24 | 164.94 | |
| MZLm v t | - | - | - | - | 103.419 | | |
| MZLm < EL | | | | | 103.419 | | |
| MZLm > EL | | | | | 0.000 | | |
| n (PHH-I) < 2*EL | | | | | 624/100.00% | | |
| n (PHH-I) > 2*EL | | | | | 0/0.00% | | |
| n platných PHH | 627 | 627 | 627 | 627 | 624 | | |
| n neplatných PHH | 0 | 0 | 0 | 0 | 0 | | |
| n nahradených PHH | 7 | 0 | 0 | 0 | 4 | | |
| n PDH < EL | | | | | 27/100.00% | | |
| n PDH > EL | | | | | 0/0.00% | | |
| n platných PDH | | | | | 27 | | |
| n neplatných PDH | | | | | 0 | | |
| podiel F PHH pri UP | | | | | 0.00% | | |
| EQ | | | | | 0.00 | | |
| Min PHH | | | | | 551.37 | | |
| Max PHH | | | | | 2670.22 | | |
| Min PDH | | | | | 608.18 | | |
| Max PDH | | | | | 2544.94 | | |

Vysvetlivky:

PDH < EL

F - neplatná

Q - PDH > EL

A - n (PHH-I > 2*EL) > 0

PHH - priemerná hodinová hodnota

PDH - priemerná denná hodnota

PMH - priemerná mesačná hodnota

EL - Emisný limit

EQ - Emisná kvóta

I - Interval spoľahlivosti

MZLd - Množstvo znečisťujúcich látok za deň v kg

MZLm - Množstvo znečisťujúcich látok za mesiac v tonách

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Mesačný protokol emisných hodnôt za mesiac 11/2014

Prevádzkovateľ: CM European Power Slovakia
Meracie miesto: Kotel K4
Celkový čas prevádzky systému: 626hod 55min
ID oprávnených osôb: operator
Tlačené dňa: 01.12.14

Zdroj: Tepláreň
Palivo : ZRZ+RP+ZP
Kód: 0074
Strana : 3/5

| Veličina | NO _x | | CO _r | | Pozn. |
|------------|---------------------|--------|---------------------|--------|-------|
| | mg/m ³ N | kg/deň | mg/m ³ N | kg/deň | |
| EL | 200.00 | | - | | |
| I(%) | 20 | | 10 | | |
| Dátum | PDH | MZLd | PDH | MZLd | |
| 01.11.2014 | - | - | - | - | |
| 02.11.2014 | - | - | - | - | |
| 03.11.2014 | 174.47 | 152.30 | 0.00 | 4.81 | |
| 04.11.2014 | 185.60 | 332.95 | 0.00 | 0.00 | |
| 05.11.2014 | 186.56 | 314.57 | 0.37 | 0.88 | |
| 06.11.2014 | 187.79 | 306.33 | 0.23 | 0.37 | |
| 07.11.2014 | 185.12 | 286.48 | 0.00 | 0.00 | |
| 08.11.2014 | 185.20 | 355.39 | 0.00 | 0.00 | |
| 09.11.2014 | 185.06 | 308.18 | 0.00 | 0.00 | |
| 10.11.2014 | 185.55 | 362.08 | 0.04 | 0.10 | |
| 11.11.2014 | 178.81 | 268.53 | 0.06 | 0.06 | |
| 12.11.2014 | 150.00 | 253.53 | 0.01 | 0.01 | |
| 13.11.2014 | 150.18 | 359.83 | 0.74 | 2.25 | |
| 14.11.2014 | 148.24 | 423.46 | 2.18 | 6.84 | |
| 15.11.2014 | 161.98 | 373.44 | 0.03 | 0.08 | |
| 16.11.2014 | 184.88 | 427.41 | 0.00 | 0.00 | |
| 17.11.2014 | 184.99 | 430.05 | 0.00 | 0.00 | |
| 18.11.2014 | 184.67 | 433.50 | 0.10 | 0.25 | |
| 19.11.2014 | 185.06 | 411.95 | 0.00 | 0.00 | |
| 20.11.2014 | 185.23 | 339.42 | 0.00 | 0.00 | |
| 21.11.2014 | 185.39 | 331.04 | 0.00 | 0.00 | |
| 22.11.2014 | 185.47 | 320.63 | 0.00 | 0.00 | |
| 23.11.2014 | 185.59 | 323.13 | 0.00 | 0.00 | |
| 24.11.2014 | 185.51 | 316.33 | 0.00 | 0.00 | |
| 25.11.2014 | 186.63 | 359.99 | 0.10 | 0.21 | |
| 26.11.2014 | 185.66 | 412.09 | 0.00 | 0.00 | |
| 27.11.2014 | 185.57 | 406.30 | 0.00 | 0.00 | |
| 28.11.2014 | 185.77 | 394.21 | 0.00 | 0.00 | |
| 29.11.2014 | 185.41 | 219.06 | 0.04 | 0.31 | |
| 30.11.2014 | - | - | - | - | |
| PMH | 180.05 | 14.71 | 0.15 | 0.03 | |

Mesačný protokol emisných hodnôt za mesiac 11/2014

Prevádzkovateľ: CM European Power Slovakia
Meracie miesto: Kotel K4
Celkový čas prevádzky systému: 626hod 55min
ID oprávnených osôb: operator
Tlačené dňa: 01.12.14

Zdroj: Tepláreň
Palivo : ZRZ+RP+ZP
Kód: 0074
Strana : 4/5

| Veličina | NO _{xr} | | CO _r | | Pozn. |
|---------------------|---------------------|--------|---------------------|--------|-------|
| | mg/m ³ N | kg/deň | mg/m ³ N | kg/deň | |
| PMH | 180.05 | 14.71 | 0.15 | 0.03 | |
| MZLm v t | 9.222 | | 0.016 | | |
| MZLm < EL | 9.222 | | 0.016 | | |
| MZLm > EL | 0.000 | | 0.000 | | |
| n (PHH-I) < 2*EL | 624/100.00% | | 624/100.00% | | |
| n (PHH-I) > 2*EL | 0/0.00% | | 0/0.00% | | |
| n platných PHH | 624 | | 624 | | |
| n neplatných PHH | 0 | | 0 | | |
| n nahradených PHH | 4 | | 4 | | |
| n PDH < EL | 27/100.00% | | 27/100.00% | | |
| n PDH > EL | 0/0.00% | | 0/0.00% | | |
| n platných PDH | 27 | | 27 | | |
| n neplatných PDH | 0 | | 0 | | |
| podiel F PHH pri UP | 0.00% | | 0.00% | | |
| EQ | 0.00 | | 0.00 | | |
| Min PHH | 74.39 | | 0.00 | | |
| Max PHH | 204.83 | | 6.08 | | |
| Min PDH | 148.24 | | 0.00 | | |
| Max PDH | 187.79 | | 2.18 | | |

Vysvetlivky:

PDH < EL

F - neplatná

Q - PDH > EL

A - n (PHH-I > 2*EL) > 0

PHH - priemerná hodinová hodnota

PDH - priemerná denná hodnota

PMH - priemerná mesačná hodnota

EL - Emisný limit

EQ - Emisná kvóta

I - Interval spoľahlivosti

MZLd - Množstvo znečisťujúcich látok za deň v kg

MZLm - Množstvo znečisťujúcich látok za mesiac v tonách

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Protokol o prevádzke systému za mesiac 11/2014

Prevádzkovateľ: CM European Power Slovakia
Meracie miesto: Kotel K4
Celkový čas prevádzky systému: 626hod 55min
ID oprávnených osôb: operator
Tlačené dňa: 01.12.14

Zdroj: Tepláreň
Palivo: ZRZ+RP+ZP
Kód: 0074
Strana: 5/5

| Dátum | Stavy systému [hod:min] | | | | | | | |
|---------------|-------------------------|-------|-------|--------|-------|-------|-------|-------|
| | OST | NAB | OKA | UP | SKU | KAL | VYP | INY |
| 01.11.2014 | 24:00 | 00:00 | 00:00 | 00:00 | 00:00 | 00:00 | 00:00 | 00:00 |
| 02.11.2014 | 24:00 | 00:00 | 00:00 | 00:00 | 00:00 | 00:00 | 00:00 | 00:00 |
| 03.11.2014 | 11:00 | 03:00 | 00:00 | 10:00 | 00:00 | 00:00 | 00:00 | 00:00 |
| 04.11.2014 | 00:00 | 00:00 | 00:00 | 24:00 | 00:00 | 00:00 | 00:00 | 00:00 |
| 05.11.2014 | 00:00 | 00:00 | 00:00 | 24:00 | 00:00 | 00:00 | 00:00 | 00:00 |
| 06.11.2014 | 00:00 | 00:00 | 00:00 | 24:00 | 00:00 | 00:00 | 00:00 | 00:00 |
| 07.11.2014 | 00:00 | 00:00 | 00:00 | 24:00 | 00:00 | 00:00 | 00:00 | 00:00 |
| 08.11.2014 | 00:00 | 00:00 | 00:00 | 24:00 | 00:00 | 00:00 | 00:00 | 00:00 |
| 09.11.2014 | 00:00 | 00:00 | 00:00 | 24:00 | 00:00 | 00:00 | 00:00 | 00:00 |
| 10.11.2014 | 00:00 | 00:00 | 00:00 | 24:00 | 00:00 | 00:00 | 00:00 | 00:00 |
| 11.11.2014 | 00:00 | 00:00 | 00:00 | 24:00 | 00:00 | 00:00 | 00:00 | 00:00 |
| 12.11.2014 | 00:00 | 00:00 | 00:00 | 24:00 | 00:00 | 00:00 | 00:00 | 00:00 |
| 13.11.2014 | 00:00 | 00:00 | 00:00 | 24:00 | 00:00 | 00:00 | 00:00 | 00:00 |
| 14.11.2014 | 00:00 | 00:00 | 00:00 | 24:00 | 00:00 | 00:00 | 00:00 | 00:00 |
| 15.11.2014 | 00:00 | 00:00 | 00:00 | 24:00 | 00:00 | 00:00 | 00:00 | 00:00 |
| 16.11.2014 | 00:00 | 00:00 | 00:00 | 24:00 | 00:00 | 00:00 | 00:00 | 00:00 |
| 17.11.2014 | 00:00 | 00:00 | 00:00 | 24:00 | 00:00 | 00:00 | 00:00 | 00:00 |
| 18.11.2014 | 00:00 | 00:00 | 00:00 | 24:00 | 00:00 | 00:00 | 00:00 | 00:00 |
| 19.11.2014 | 00:00 | 00:00 | 00:00 | 24:00 | 00:00 | 00:00 | 00:00 | 00:00 |
| 20.11.2014 | 00:00 | 00:00 | 00:00 | 24:00 | 00:00 | 00:00 | 00:00 | 00:00 |
| 21.11.2014 | 00:00 | 00:00 | 00:00 | 24:00 | 00:00 | 00:00 | 00:00 | 00:00 |
| 22.11.2014 | 00:00 | 00:00 | 00:00 | 24:00 | 00:00 | 00:00 | 00:00 | 00:00 |
| 23.11.2014 | 00:00 | 00:00 | 00:00 | 24:00 | 00:00 | 00:00 | 00:00 | 00:00 |
| 24.11.2014 | 00:00 | 00:00 | 00:00 | 24:00 | 00:00 | 00:00 | 00:00 | 00:00 |
| 25.11.2014 | 00:00 | 00:00 | 00:00 | 24:00 | 00:00 | 00:00 | 00:00 | 00:00 |
| 26.11.2014 | 00:00 | 00:00 | 00:00 | 24:00 | 00:00 | 00:00 | 00:00 | 00:00 |
| 27.11.2014 | 00:00 | 00:00 | 00:00 | 24:00 | 00:00 | 00:00 | 00:00 | 00:00 |
| 28.11.2014 | 00:00 | 00:00 | 00:00 | 24:00 | 00:00 | 00:00 | 00:00 | 00:00 |
| 29.11.2014 | 10:00 | 00:00 | 00:00 | 14:00 | 00:00 | 00:00 | 00:00 | 00:00 |
| 30.11.2014 | 24:00 | 00:00 | 00:00 | 00:00 | 00:00 | 00:00 | 00:00 | 00:00 |
| Celkom | 93:00 | 03:00 | 00:00 | 624:00 | 00:00 | 00:00 | 00:00 | 00:00 |

Vysvetlivky:

OST - Odstavené
 OKA - Odstávka
 SKU - Skúšanie
 VYP - výpadok

NAB - nábeh
 UP - Ustálená prevádzka
 KAL - Kalibrácia
 INY - Iný stav

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