

**КОМУНАЛЬНЕ ПІДПРИЄМСТВО**

**«НАУКОВИЙ ЦЕНТР ЕКОЛОГО-СОЦІАЛЬНИХ ДОСЛІДЖЕНЬ»**

**КРЕМЕНЧУЦЬКОЇ МІСЬКОЇ РАДИ**

**КРЕМЕНЧУЦЬКОГО РАЙОНУ**

**ПОЛТАВСЬКОЇ ОБЛАСТІ**

e-mail: [ecology\_center\_kremen@ukr.net](mailto:ecology_center_kremen@ukr.net)

28.07.2021 № 02-01-218/21 на №\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ від \_\_\_\_\_\_\_\_\_\_\_\_

**Начальнику відділу**

**екологічної безпеки**

**виконавчого комітету Кременчуцької міської ради**

**Кременчуцького району**

**Полтавської області**

**ФЕДЮНУ О.М.**

пл. Перемоги, 2

м. Кременчук, 39600

**Щодо спостережень за**

**забрудненням повітря**

Направляємо Вам дані спостережень 14.07.2021  15.07.2021 за змінами якісних показників забруднюючих речовин в атмосферному повітрі на стаціонарному посту моніторингу забруднення атмосферного повітря за допомогою вимірювального комплексу «VAISALA» AQT 420 (серійний номер R4630002), встановленого на перетині санітарно-захисних зон підприємств Північного промвузла (ПАТ «Укртатнафта», ТОВ «Кременчуцька ТЕЦ», ПрАТ «Кременчуцький завод технічного вуглецю») по вул. Свіштовська на території міського кладовища, спільно з показниками Автоматичний метеорологічний інтелектуальний вимірювач WS600-UMB, Lufft, встановленого поруч із стаціонарним постом з інтервалом 20 хвилин, а також середньодобові дані у вигляді таблиці.

Оцінка стану забруднення атмосферного повітря проводилась шляхом порівняння значень разових концентрацій забруднюючих речовин з відповідними максимально разовими гранично допустимими концентраціями (ГДКм.р), а також порівняння середніх значень із відповідними гранично допустимими концентраціями середньодобовими (ГДКс.д.).

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|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Дата вимірювань**  **14.07.2020** | **Дані вимірювального комплексу «VAISALA» AQT 420** | | | | | | | | | **Дані автоматичного метеорологічного інтелектуального вимірювача WS600-UMB, Lufft** | |
| **NO2, мг/м3** | **SO2, мг/м3** | **CO, мг/м3** | **H2S, мг/м3** | **PM 2.5, мг/м3** | **PM 10, мг/м3** | **T (°C)** | **Hum. (%)** | **P (mbar)** | **Переваючий напрямок вітру** | **Середня швидкість вітру, м/с** |
| **ГДК м.р.** | **0,2** | **0,5** | **5,0** | **0,008** | **0,5** | **0,5** |  |  |  |  |  |
| 0000 - 0020 | ${NO2-0-1} | ${SO2-0-1} | ${CO2-0-1} | ${H2S-0-1} | ${PM25-0-1} | ${PM10-0-1} | ${T-0-1} | ${HUM-0-1} | ${P-0-1} | ${WD-0-1} | ${AWS-0-1} |
| 0030 - 0050 | ${NO2-1-1} | ${SO2-1-1} | ${CO2-1-1} | ${H2S-1-1} | ${PM25-1-1} | ${PM10-1-1} | ${T-1-1} | ${HUM-1-1} | ${P-1-1} | ${WD-1-1} | ${AWS-1-1} |
| 0100 - 0120 | ${NO2-2-1} | ${SO2-2-1} | ${CO2-2-1} | ${H2S-2-1} | ${PM25-2-1} | ${PM10-2-1} | ${T-2-1} | ${HUM-2-1} | ${P-2-1} | ${WD-2-1} | ${AWS-2-1} |
| 0130 - 0150 | ${NO2-3-1} | ${SO2-3-1} | ${CO2-3-1} | ${H2S-3-1} | ${PM25-3-1} | ${PM10-3-1} | ${T-3-1} | ${HUM-3-1} | ${P-3-1} | ${WD-3-1} | ${AWS-3-1} |
| 0200 - 0220 | ${NO2-4-1} | ${SO2-4-1} | ${CO2-4-1} | ${H2S-4-1} | ${PM25-4-1} | ${PM10-4-1} | ${T-4-1} | ${HUM-4-1} | ${P-4-1} | ${WD-4-1} | ${AWS-4-1} |
| 0230 - 0250 | ${NO2-5-1} | ${SO2-5-1} | ${CO2-5-1} | ${H2S-5-1} | ${PM25-5-1} | ${PM10-5-1} | ${T-5-1} | ${HUM-5-1} | ${P-5-1} | ${WD-5-1} | ${AWS-5-1} |
| 0300 - 0320 | ${NO2-6-1} | ${SO2-6-1} | ${CO2-6-1} | ${H2S-6-1} | ${PM25-6-1} | ${PM10-6-1} | ${T-6-1} | ${HUM-6-1} | ${P-6-1} | ${WD-6-1} | ${AWS-6-1} |
| 0330 - 0350 | ${NO2-7-1} | ${SO2-7-1} | ${CO2-7-1} | ${H2S-7-1} | ${PM25-7-1} | ${PM10-7-1} | ${T-7-1} | ${HUM-7-1} | ${P-7-1} | ${WD-7-1} | ${AWS-7-1} |
| 0400 - 0420 | ${NO2-8-1} | ${SO2-8-1} | ${CO2-8-1} | ${H2S-8-1} | ${PM25-8-1} | ${PM10-8-1} | ${T-8-1} | ${HUM-8-1} | ${P-8-1} | ${WD-8-1} | ${AWS-8-1} |
| 0430 - 0450 | ${NO2-9-1} | ${SO2-9-1} | ${CO2-9-1} | ${H2S-9-1} | ${PM25-9-1} | ${PM10-9-1} | ${T-9-1} | ${HUM-9-1} | ${P-9-1} | ${WD-9-1} | ${AWS-9-1} |
| 0500 - 0520 | ${NO2-10-1} | ${SO2-10-1} | ${CO2-10-1} | ${H2S-10-1} | ${PM25-10-1} | ${PM10-10-1} | ${T-10-1} | ${HUM-10-1} | ${P-10-1} | ${WD-10-1} | ${AWS-10-1} |
| 0530 - 0550 | ${NO2-11-1} | ${SO2-11-1} | ${CO2-11-1} | ${H2S-11-1} | ${PM25-11-1} | ${PM10-11-1} | ${T-11-1} | ${HUM-11-1} | ${P-11-1} | ${WD-11-1} | ${AWS-11-1} |
| 0600 - 0620 | ${NO2-12-1} | ${SO2-12-1} | ${CO2-12-1} | ${H2S-12-1} | ${PM25-12-1} | ${PM10-12-1} | ${T-12-1} | ${HUM-12-1} | ${P-12-1} | ${WD-12-1} | ${AWS-12-1} |
| 0630 - 0650 | ${NO2-13-1} | ${SO2-13-1} | ${CO2-13-1} | ${H2S-13-1} | ${PM25-13-1} | ${PM10-13-1} | ${T-13-1} | ${HUM-13-1} | ${P-13-1} | ${WD-13-1} | ${AWS-13-1} |
| 0700 - 0720 | ${NO2-14-1} | ${SO2-14-1} | ${CO2-14-1} | ${H2S-14-1} | ${PM25-14-1} | ${PM10-14-1} | ${T-14-1} | ${HUM-14-1} | ${P-14-1} | ${WD-14-1} | ${AWS-14-1} |
| 0730 - 0750 | ${NO2-15-1} | ${SO2-15-1} | ${CO2-15-1} | ${H2S-15-1} | ${PM25-15-1} | ${PM10-15-1} | ${T-15-1} | ${HUM-15-1} | ${P-15-1} | ${WD-15-1} | ${AWS-15-1} |
| 0800 - 0820 | ${NO2-16-1} | ${SO2-16-1} | ${CO2-16-1} | ${H2S-16-1} | ${PM25-16-1} | ${PM10-16-1} | ${T-16-1} | ${HUM-16-1} | ${P-16-1} | ${WD-16-1} | ${AWS-16-1} |
| 0830 - 0850 | ${NO2-17-1} | ${SO2-17-1} | ${CO2-17-1} | ${H2S-17-1} | ${PM25-17-1} | ${PM10-17-1} | ${T-17-1} | ${HUM-17-1} | ${P-17-1} | ${WD-17-1} | ${AWS-17-1} |
| 0900 - 0920 | ${NO2-18-1} | ${SO2-18-1} | ${CO2-18-1} | ${H2S-18-1} | ${PM25-18-1} | ${PM10-18-1} | ${T-18-1} | ${HUM-18-1} | ${P-18-1} | ${WD-18-1} | ${AWS-18-1} |
| 0930 - 0950 | ${NO2-19-1} | ${SO2-19-1} | ${CO2-19-1} | ${H2S-19-1} | ${PM25-19-1} | ${PM10-19-1} | ${T-19-1} | ${HUM-19-1} | ${P-19-1} | ${WD-19-1} | ${AWS-19-1} |
| 1000 - 1020 | ${NO2-20-1} | ${SO2-20-1} | ${CO2-20-1} | ${H2S-20-1} | ${PM25-20-1} | ${PM10-20-1} | ${T-20-1} | ${HUM-20-1} | ${P-20-1} | ${WD-20-1} | ${AWS-20-1} |
| 1030 - 1050 | ${NO2-21-1} | ${SO2-21-1} | ${CO2-21-1} | ${H2S-21-1} | ${PM25-21-1} | ${PM10-21-1} | ${T-21-1} | ${HUM-21-1} | ${P-21-1} | ${WD-21-1} | ${AWS-21-1} |
| 1100 - 1120 | ${NO2-22-1} | ${SO2-22-1} | ${CO2-22-1} | ${H2S-22-1} | ${PM25-22-1} | ${PM10-22-1} | ${T-22-1} | ${HUM-22-1} | ${P-22-1} | ${WD-22-1} | ${AWS-22-1} |
| 1130 - 1150 | ${NO2-23-1} | ${SO2-23-1} | ${CO2-23-1} | ${H2S-23-1} | ${PM25-23-1} | ${PM10-23-1} | ${T-23-1} | ${HUM-23-1} | ${P-23-1} | ${WD-23-1} | ${AWS-23-1} |
| 1200 - 1220 | ${NO2-24-1} | ${SO2-24-1} | ${CO2-24-1} | ${H2S-24-1} | ${PM25-24-1} | ${PM10-24-1} | ${T-24-1} | ${HUM-24-1} | ${P-24-1} | ${WD-24-1} | ${AWS-24-1} |
| 1230 - 1250 | ${NO2-25-1} | ${SO2-25-1} | ${CO2-25-1} | ${H2S-25-1} | ${PM25-25-1} | ${PM10-25-1} | ${T-25-1} | ${HUM-25-1} | ${P-25-1} | ${WD-25-1} | ${AWS-25-1} |
| 1300 - 1320 | ${NO2-26-1} | ${SO2-26-1} | ${CO2-26-1} | ${H2S-26-1} | ${PM25-26-1} | ${PM10-26-1} | ${T-26-1} | ${HUM-26-1} | ${P-26-1} | ${WD-26-1} | ${AWS-26-1} |
| 1330 - 1350 | ${NO2-27-1} | ${SO2-27-1} | ${CO2-27-1} | ${H2S-27-1} | ${PM25-27-1} | ${PM10-27-1} | ${T-27-1} | ${HUM-27-1} | ${P-27-1} | ${WD-27-1} | ${AWS-27-1} |
| 1400 - 1420 | ${NO2-28-1} | ${SO2-28-1} | ${CO2-28-1} | ${H2S-28-1} | ${PM25-28-1} | ${PM10-28-1} | ${T-28-1} | ${HUM-28-1} | ${P-28-1} | ${WD-28-1} | ${AWS-28-1} |
| 1430 - 1450 | ${NO2-29-1} | ${SO2-29-1} | ${CO2-29-1} | ${H2S-29-1} | ${PM25-29-1} | ${PM10-29-1} | ${T-29-1} | ${HUM-29-1} | ${P-29-1} | ${WD-29-1} | ${AWS-29-1} |
| 1500 - 1520 | ${NO2-30-1} | ${SO2-30-1} | ${CO2-30-1} | ${H2S-30-1} | ${PM25-30-1} | ${PM10-30-1} | ${T-30-1} | ${HUM-30-1} | ${P-30-1} | ${WD-30-1} | ${AWS-30-1} |
| 1530 - 1550 | ${NO2-31-1} | ${SO2-31-1} | ${CO2-31-1} | ${H2S-31-1} | ${PM25-31-1} | ${PM10-31-1} | ${T-31-1} | ${HUM-31-1} | ${P-31-1} | ${WD-31-1} | ${AWS-31-1} |
| 1600 - 1620 | ${NO2-32-1} | ${SO2-32-1} | ${CO2-32-1} | ${H2S-32-1} | ${PM25-32-1} | ${PM10-32-1} | ${T-32-1} | ${HUM-32-1} | ${P-32-1} | ${WD-32-1} | ${AWS-32-1} |
| 1630 - 1650 | ${NO2-33-1} | ${SO2-33-1} | ${CO2-33-1} | ${H2S-33-1} | ${PM25-33-1} | ${PM10-33-1} | ${T-33-1} | ${HUM-33-1} | ${P-33-1} | ${WD-33-1} | ${AWS-33-1} |
| 1700 - 1720 | ${NO2-34-1} | ${SO2-34-1} | ${CO2-34-1} | ${H2S-34-1} | ${PM25-34-1} | ${PM10-34-1} | ${T-34-1} | ${HUM-34-1} | ${P-34-1} | ${WD-34-1} | ${AWS-34-1} |
| 1730 - 1750 | ${NO2-35-1} | ${SO2-35-1} | ${CO2-35-1} | ${H2S-35-1} | ${PM25-35-1} | ${PM10-35-1} | ${T-35-1} | ${HUM-35-1} | ${P-35-1} | ${WD-35-1} | ${AWS-35-1} |
| 1800 - 1820 | ${NO2-36-1} | ${SO2-36-1} | ${CO2-36-1} | ${H2S-36-1} | ${PM25-36-1} | ${PM10-36-1} | ${T-36-1} | ${HUM-36-1} | ${P-36-1} | ${WD-36-1} | ${AWS-36-1} |
| 1830 - 1850 | ${NO2-37-1} | ${SO2-37-1} | ${CO2-37-1} | ${H2S-37-1} | ${PM25-37-1} | ${PM10-37-1} | ${T-37-1} | ${HUM-37-1} | ${P-37-1} | ${WD-37-1} | ${AWS-37-1} |
| 1900 - 1920 | ${NO2-38-1} | ${SO2-38-1} | ${CO2-38-1} | ${H2S-38-1} | ${PM25-38-1} | ${PM10-38-1} | ${T-38-1} | ${HUM-38-1} | ${P-38-1} | ${WD-38-1} | ${AWS-38-1} |
| 1930 - 1950 | ${NO2-39-1} | ${SO2-39-1} | ${CO2-39-1} | ${H2S-39-1} | ${PM25-39-1} | ${PM10-39-1} | ${T-39-1} | ${HUM-39-1} | ${P-39-1} | ${WD-39-1} | ${AWS-39-1} |
| 2000 - 2020 | ${NO2-40-1} | ${SO2-40-1} | ${CO2-40-1} | ${H2S-40-1} | ${PM25-40-1} | ${PM10-40-1} | ${T-40-1} | ${HUM-40-1} | ${P-40-1} | ${WD-40-1} | ${AWS-40-1} |
| 2030 - 2050 | ${NO2-41-1} | ${SO2-41-1} | ${CO2-41-1} | ${H2S-41-1} | ${PM25-41-1} | ${PM10-41-1} | ${T-41-1} | ${HUM-41-1} | ${P-41-1} | ${WD-41-1} | ${AWS-41-1} |
| 2100 - 2120 | ${NO2-42-1} | ${SO2-42-1} | ${CO2-42-1} | ${H2S-42-1} | ${PM25-42-1} | ${PM10-42-1} | ${T-42-1} | ${HUM-42-1} | ${P-42-1} | ${WD-42-1} | ${AWS-42-1} |
| 2130 - 2150 | ${NO2-43-1} | ${SO2-43-1} | ${CO2-43-1} | ${H2S-43-1} | ${PM25-43-1} | ${PM10-43-1} | ${T-43-1} | ${HUM-43-1} | ${P-43-1} | ${WD-43-1} | ${AWS-43-1} |
| 2200 - 2220 | ${NO2-44-1} | ${SO2-44-1} | ${CO2-44-1} | ${H2S-44-1} | ${PM25-44-1} | ${PM10-44-1} | ${T-44-1} | ${HUM-44-1} | ${P-44-1} | ${WD-44-1} | ${AWS-44-1} |
| 2230 - 2250 | ${NO2-45-1} | ${SO2-45-1} | ${CO2-45-1} | ${H2S-45-1} | ${PM25-45-1} | ${PM10-45-1} | ${T-45-1} | ${HUM-45-1} | ${P-45-1} | ${WD-45-1} | ${AWS-45-1} |
| 2300 - 2320 | ${NO2-46-1} | ${SO2-46-1} | ${CO2-46-1} | ${H2S-46-1} | ${PM25-46-1} | ${PM10-46-1} | ${T-46-1} | ${HUM-46-1} | ${P-46-1} | ${WD-46-1} | ${AWS-46-1} |
| 2330 - 2350 | ${NO2-47-1} | ${SO2-47-1} | ${CO2-47-1} | ${H2S-47-1} | ${PM25-47-1} | ${PM10-47-1} | ${T-47-1} | ${HUM-47-1} | ${P-47-1}${HUM-MAX-1} | ${WD-47-1} | ${AWS-47-1} |
| **Максимальний результат** | ${NO2-MAX-1} | ${SO2-MAX-1} | ${CO2-MAX-1} | ${H2S-MAX-1} | ${PM25-MAX-1} | ${PM10-MAX-1} | ${T-MAX-1} | ${HUM-MAX-1} | ${P-MAX-1} |  | |

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| **Дата вимірювань**  **14.07.2020** | **Дані вимірювального комплексу «VAISALA» AQT 420** | | | | | | | | | **Дані автоматичного метеорологічного інтелектуального вимірювача WS600-UMB, Lufft** | |
| **NO2, мг/м3** | **SO2, мг/м3** | **CO, мг/м3** | **H2S, мг/м3** | **PM 2.5, мг/м3** | **PM 10, мг/м3** | **T (°C)** | **Hum. (%)** | **P (mbar)** | **Переваючий напрямок вітру** | **Середня швидкість вітру, м/с** |
| **Середній результат дослідження, мг/м3** | ${NO2-AVG-1} | ${SO2-AVG-1} | ${CO2-AVG-1} | ${H2S-AVG-1} | ${PM25-AVG-1} | ${PM10-AVG-1} | ${T-AVG-1} | ${HUM-AVG-1} | ${P-AVG-1} | ${WD-AVG-1} | ${AWS-AVG-1} |
| **ГДК с. д., мг/м3** | **0,040** | **0,050** | **3,0** | **---** | **0,150** | **0,150** |  | | | | |

Аналіз результатів вимірювань атмосферного повітря 14.07.2021 показав наявність періодичних перевищень гранично-допустимої максимально разової концентрації (ГДКм.р.) за наступними показниками сірчистий ангідрид та сірководень.

Порівнюючи результати досліджень з гранично-допустимою концентрацію середньодобовою ((ГДКс.д.) встановлено перевищення за показниками: діоксид азоту та сірчистий ангідрид.

**Директор КП «НДЦ»** **В. П. Дворецков**

Вик. Таран О. В., 701076

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| **Дата вимірювань**  **15.07.2020** | **Дані вимірювального комплексу «VAISALA» AQT 420** | | | | | | | | | **Дані автоматичного метеорологічного інтелектуального вимірювача WS600-UMB, Lufft** | |
| **NO2, мг/м3** | **SO2, мг/м3** | **CO, мг/м3** | **H2S, мг/м3** | **PM 2.5, мг/м3** | **PM 10, мг/м3** | **T (°C)** | **Hum. (%)** | **P (mbar)** | **Переваючий напрямок вітру** | **Середня швидкість вітру, м/с** |
| **ГДК м.р.** | **0,2** | **0,5** | **5,0** | **0,008** | **0,5** | **0,5** |  |  |  |  |  |
| 0000 - 0020 | ${NO2-0-2} | ${SO2-0-2} | ${CO2-0-2} | ${H2S-0-2} | ${PM25-0-2} | ${PM10-0-2} | ${T-0-2} | ${HUM-0-2} | ${P-0-2} | ${WD-0-2} | ${AWS-0-2} |
| 0030 - 0050 | ${NO2-1-2} | ${SO2-1-2} | ${CO2-1-2} | ${H2S-1-2} | ${PM25-1-2} | ${PM10-1-2} | ${T-1-2} | ${HUM-1-2} | ${P-1-2} | ${WD-1-2} | ${AWS-1-2} |
| 0100 - 0120 | ${NO2-2-2} | ${SO2-2-2} | ${CO2-2-2} | ${H2S-2-2} | ${PM25-2-2} | ${PM10-2-2} | ${T-2-2} | ${HUM-2-2} | ${P-2-2} | ${WD-2-2} | ${AWS-2-2} |
| 0130 - 0150 | ${NO2-3-2} | ${SO2-3-2} | ${CO2-3-2} | ${H2S-3-2} | ${PM25-3-2} | ${PM10-3-2} | ${T-3-2} | ${HUM-3-2} | ${P-3-2} | ${WD-3-2} | ${AWS-3-2} |
| 0200 - 0220 | ${NO2-4-2} | ${SO2-4-2} | ${CO2-4-2} | ${H2S-4-2} | ${PM25-4-2} | ${PM10-4-2} | ${T-4-2} | ${HUM-4-2} | ${P-4-2} | ${WD-4-2} | ${AWS-4-2} |
| 0230 - 0250 | ${NO2-5-2} | ${SO2-5-2} | ${CO2-5-2} | ${H2S-5-2} | ${PM25-5-2} | ${PM10-5-2} | ${T-5-2} | ${HUM-5-2} | ${P-5-2} | ${WD-5-2} | ${AWS-5-2} |
| 0300 - 0320 | ${NO2-6-2} | ${SO2-6-2} | ${CO2-6-2} | ${H2S-6-2} | ${PM25-6-2} | ${PM10-6-2} | ${T-6-2} | ${HUM-6-2} | ${P-6-2} | ${WD-6-2} | ${AWS-6-2} |
| 0330 - 0350 | ${NO2-7-2} | ${SO2-7-2} | ${CO2-7-2} | ${H2S-7-2} | ${PM25-7-2} | ${PM10-7-2} | ${T-7-2} | ${HUM-7-2} | ${P-7-2} | ${WD-7-2} | ${AWS-7-2} |
| 0400 - 0420 | ${NO2-8-2} | ${SO2-8-2} | ${CO2-8-2} | ${H2S-8-2} | ${PM25-8-2} | ${PM10-8-2} | ${T-8-2} | ${HUM-8-2} | ${P-8-2} | ${WD-8-2} | ${AWS-8-2} |
| 0430 - 0450 | ${NO2-9-2} | ${SO2-9-2} | ${CO2-9-2} | ${H2S-9-2} | ${PM25-9-2} | ${PM10-9-2} | ${T-9-2} | ${HUM-9-2} | ${P-9-2} | ${WD-9-2} | ${AWS-9-2} |
| 0500 - 0520 | ${NO2-10-2} | ${SO2-10-2} | ${CO2-10-2} | ${H2S-10-2} | ${PM25-10-2} | ${PM10-10-2} | ${T-10-2} | ${HUM-10-2} | ${P-10-2} | ${WD-10-2} | ${AWS-10-2} |
| 0530 - 0550 | ${NO2-11-2} | ${SO2-11-2} | ${CO2-11-2} | ${H2S-11-2} | ${PM25-11-2} | ${PM10-11-2} | ${T-11-2} | ${HUM-11-2} | ${P-11-2} | ${WD-11-2} | ${AWS-11-2} |
| 0600 - 0620 | ${NO2-12-2} | ${SO2-12-2} | ${CO2-12-2} | ${H2S-12-2} | ${PM25-12-2} | ${PM10-12-2} | ${T-12-2} | ${HUM-12-2} | ${P-12-2} | ${WD-12-2} | ${AWS-12-2} |
| 0630 - 0650 | ${NO2-13-2} | ${SO2-13-2} | ${CO2-13-2} | ${H2S-13-2} | ${PM25-13-2} | ${PM10-13-2} | ${T-13-2} | ${HUM-13-2} | ${P-13-2} | ${WD-13-2} | ${AWS-13-2} |
| 0700 - 0720 | ${NO2-14-2} | ${SO2-14-2} | ${CO2-14-2} | ${H2S-14-2} | ${PM25-14-2} | ${PM10-14-2} | ${T-14-2} | ${HUM-14-2} | ${P-14-2} | ${WD-14-2} | ${AWS-14-2} |
| 0730 - 0750 | ${NO2-15-2} | ${SO2-15-2} | ${CO2-15-2} | ${H2S-15-2} | ${PM25-15-2} | ${PM10-15-2} | ${T-15-2} | ${HUM-15-2} | ${P-15-2} | ${WD-15-2} | ${AWS-15-2} |
| 0800 - 0820 | ${NO2-16-2} | ${SO2-16-2} | ${CO2-16-2} | ${H2S-16-2} | ${PM25-16-2} | ${PM10-16-2} | ${T-16-2} | ${HUM-16-2} | ${P-16-2} | ${WD-16-2} | ${AWS-16-2} |
| 0830 - 0850 | ${NO2-17-2} | ${SO2-17-2} | ${CO2-17-2} | ${H2S-17-2} | ${PM25-17-2} | ${PM10-17-2} | ${T-17-2} | ${HUM-17-2} | ${P-17-2} | ${WD-17-2} | ${AWS-17-2} |
| 0900 - 0920 | ${NO2-18-2} | ${SO2-18-2} | ${CO2-18-2} | ${H2S-18-2} | ${PM25-18-2} | ${PM10-18-2} | ${T-18-2} | ${HUM-18-2} | ${P-18-2} | ${WD-18-2} | ${AWS-18-2} |
| 0930 - 0950 | ${NO2-19-2} | ${SO2-19-2} | ${CO2-19-2} | ${H2S-19-2} | ${PM25-19-2} | ${PM10-19-2} | ${T-19-2} | ${HUM-19-2} | ${P-19-2} | ${WD-19-2} | ${AWS-19-2} |
| 1000 - 1020 | ${NO2-20-2} | ${SO2-20-2} | ${CO2-20-2} | ${H2S-20-2} | ${PM25-20-2} | ${PM10-20-2} | ${T-20-2} | ${HUM-20-2} | ${P-20-2} | ${WD-20-2} | ${AWS-20-2} |
| 1030 - 1050 | ${NO2-21-2} | ${SO2-21-2} | ${CO2-21-2} | ${H2S-21-2} | ${PM25-21-2} | ${PM10-21-2} | ${T-21-2} | ${HUM-21-2} | ${P-21-2} | ${WD-21-2} | ${AWS-21-2} |
| 1100 - 1120 | ${NO2-22-2} | ${SO2-22-2} | ${CO2-22-2} | ${H2S-22-2} | ${PM25-22-2} | ${PM10-22-2} | ${T-22-2} | ${HUM-22-2} | ${P-22-2} | ${WD-22-2} | ${AWS-22-2} |
| 1130 - 1150 | ${NO2-23-2} | ${SO2-23-2} | ${CO2-23-2} | ${H2S-23-2} | ${PM25-23-2} | ${PM10-23-2} | ${T-23-2} | ${HUM-23-2} | ${P-23-2} | ${WD-23-2} | ${AWS-23-2} |
| 1200 - 1220 | ${NO2-24-2} | ${SO2-24-2} | ${CO2-24-2} | ${H2S-24-2} | ${PM25-24-2} | ${PM10-24-2} | ${T-24-2} | ${HUM-24-2} | ${P-24-2} | ${WD-24-2} | ${AWS-24-2} |
| 1230 - 1250 | ${NO2-25-2} | ${SO2-25-2} | ${CO2-25-2} | ${H2S-25-2} | ${PM25-25-2} | ${PM10-25-2} | ${T-25-2} | ${HUM-25-2} | ${P-25-2} | ${WD-25-2} | ${AWS-25-2} |
| 1300 - 1320 | ${NO2-26-2} | ${SO2-26-2} | ${CO2-26-2} | ${H2S-26-2} | ${PM25-26-2} | ${PM10-26-2} | ${T-26-2} | ${HUM-26-2} | ${P-26-2} | ${WD-26-2} | ${AWS-26-2} |
| 1330 - 1350 | ${NO2-27-2} | ${SO2-27-2} | ${CO2-27-2} | ${H2S-27-2} | ${PM25-27-2} | ${PM10-27-2} | ${T-27-2} | ${HUM-27-2} | ${P-27-2} | ${WD-27-2} | ${AWS-27-2} |
| 1400 - 1420 | ${NO2-28-2} | ${SO2-28-2} | ${CO2-28-2} | ${H2S-28-2} | ${PM25-28-2} | ${PM10-28-2} | ${T-28-2} | ${HUM-28-2} | ${P-28-2} | ${WD-28-2} | ${AWS-28-2} |
| 1430 - 1450 | ${NO2-29-2} | ${SO2-29-2} | ${CO2-29-2} | ${H2S-29-2} | ${PM25-29-2} | ${PM10-29-2} | ${T-29-2} | ${HUM-29-2} | ${P-29-2} | ${WD-29-2} | ${AWS-29-2} |
| 1500 - 1520 | ${NO2-30-2} | ${SO2-30-2} | ${CO2-30-2} | ${H2S-30-2} | ${PM25-30-2} | ${PM10-30-2} | ${T-30-2} | ${HUM-30-2} | ${P-30-2} | ${WD-30-2} | ${AWS-30-2} |
| 1530 - 1550 | ${NO2-31-2} | ${SO2-31-2} | ${CO2-31-2} | ${H2S-31-2} | ${PM25-31-2} | ${PM10-31-2} | ${T-31-2} | ${HUM-31-2} | ${P-31-2} | ${WD-31-2} | ${AWS-31-2} |
| 1600 - 1620 | ${NO2-32-2} | ${SO2-32-2} | ${CO2-32-2} | ${H2S-32-2} | ${PM25-32-2} | ${PM10-32-2} | ${T-32-2} | ${HUM-32-2} | ${P-32-2} | ${WD-32-2} | ${AWS-32-2} |
| 1630 - 1650 | ${NO2-33-2} | ${SO2-33-2} | ${CO2-33-2} | ${H2S-33-2} | ${PM25-33-2} | ${PM10-33-2} | ${T-33-2} | ${HUM-33-2} | ${P-33-2} | ${WD-33-2} | ${AWS-33-2} |
| 1700 - 1720 | ${NO2-34-2} | ${SO2-34-2} | ${CO2-34-2} | ${H2S-34-2} | ${PM25-34-2} | ${PM10-34-2} | ${T-34-2} | ${HUM-34-2} | ${P-34-2} | ${WD-34-2} | ${AWS-34-2} |
| 1730 - 1750 | ${NO2-35-2} | ${SO2-35-2} | ${CO2-35-2} | ${H2S-35-2} | ${PM25-35-2} | ${PM10-35-2} | ${T-35-2} | ${HUM-35-2} | ${P-35-2} | ${WD-35-2} | ${AWS-35-2} |
| 1800 - 1820 | ${NO2-36-2} | ${SO2-36-2} | ${CO2-36-2} | ${H2S-36-2} | ${PM25-36-2} | ${PM10-36-2} | ${T-36-2} | ${HUM-36-2} | ${P-36-2} | ${WD-36-2} | ${AWS-36-2} |
| 1830 - 1850 | ${NO2-37-2} | ${SO2-37-2} | ${CO2-37-2} | ${H2S-37-2} | ${PM25-37-2} | ${PM10-37-2} | ${T-37-2} | ${HUM-37-2} | ${P-37-2} | ${WD-37-2} | ${AWS-37-2} |
| 1900 - 1920 | ${NO2-38-2} | ${SO2-38-2} | ${CO2-38-2} | ${H2S-38-2} | ${PM25-38-2} | ${PM10-38-2} | ${T-38-2} | ${HUM-38-2} | ${P-38-2} | ${WD-38-2} | ${AWS-38-2} |
| 1930 - 1950 | ${NO2-39-2} | ${SO2-39-2} | ${CO2-39-2} | ${H2S-39-2} | ${PM25-39-2} | ${PM10-39-2} | ${T-39-2} | ${HUM-39-2} | ${P-39-2} | ${WD-39-2} | ${AWS-39-2} |
| 2000 - 2020 | ${NO2-40-2} | ${SO2-40-2} | ${CO2-40-2} | ${H2S-40-2} | ${PM25-40-2} | ${PM10-40-2} | ${T-40-2} | ${HUM-40-2} | ${P-40-2} | ${WD-40-2} | ${AWS-40-2} |
| 2030 - 2050 | ${NO2-41-2} | ${SO2-41-2} | ${CO2-41-2} | ${H2S-41-2} | ${PM25-41-2} | ${PM10-41-2} | ${T-41-2} | ${HUM-41-2} | ${P-41-2} | ${WD-41-2} | ${AWS-41-2} |
| 2100 - 2120 | ${NO2-42-2} | ${SO2-42-2} | ${CO2-42-2} | ${H2S-42-2} | ${PM25-42-2} | ${PM10-42-2} | ${T-42-2} | ${HUM-42-2} | ${P-42-2} | ${WD-42-2} | ${AWS-42-2} |
| 2130 - 2150 | ${NO2-43-2} | ${SO2-43-2} | ${CO2-43-2} | ${H2S-43-2} | ${PM25-43-2} | ${PM10-43-2} | ${T-43-2} | ${HUM-43-2} | ${P-43-2} | ${WD-43-2} | ${AWS-43-2} |
| 2200 - 2220 | ${NO2-44-2} | ${SO2-44-2} | ${CO2-44-2} | ${H2S-44-2} | ${PM25-44-2} | ${PM10-44-2} | ${T-44-2} | ${HUM-44-2} | ${P-44-2} | ${WD-44-2} | ${AWS-44-2} |
| 2230 - 2250 | ${NO2-45-2} | ${SO2-45-2} | ${CO2-45-2} | ${H2S-45-2} | ${PM25-45-2} | ${PM10-45-2} | ${T-45-2} | ${HUM-45-2} | ${P-45-2} | ${WD-45-2} | ${AWS-45-2} |
| 2300 - 2320 | ${NO2-46-2} | ${SO2-46-2} | ${CO2-46-2} | ${H2S-46-2} | ${PM25-46-2} | ${PM10-46-2} | ${T-46-2} | ${HUM-46-2} | ${P-46-2} | ${WD-46-2} | ${AWS-46-2} |
| 2330 - 2350 | ${NO2-47-2} | ${SO2-47-2} | ${CO2-47-2} | ${H2S-47-2} | ${PM25-47-2} | ${PM10-47-2} | ${T-47-2} | ${HUM-47-2} | ${P-47-2} | ${WD-47-2} | ${AWS-47-2} |
| **Максимальний результат** | ${NO2-MAX-2} | ${SO2-MAX-2} | ${CO2-MAX-2} | ${H2S-MAX-2} | ${PM25-MAX-2} | ${PM10-MAX-2} | ${T-MAX-2} | ${HUM-MAX-2} | ${P-MAX-2} |  | |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Дата вимірювань**  **15.07.2020** | **Дані вимірювального комплексу «VAISALA» AQT 420** | | | | | | | | | **Дані автоматичного метеорологічного інтелектуального вимірювача WS600-UMB, Lufft** | |
| **NO2, мг/м3** | **SO2, мг/м3** | **CO, мг/м3** | **H2S, мг/м3** | **PM 2.5, мг/м3** | **PM 10, мг/м3** | **T (°C)** | **Hum. (%)** | **P (mbar)** | **Переваючий напрямок вітру** | **Середня швидкість вітру, м/с** |
| **Середній результат дослідження, мг/м3** | ${NO2-AVG-2} | ${SO2-AVG-2} | ${CO2-AVG-2} | ${H2S-AVG-2} | ${PM25-AVG-2} | ${PM10-AVG-2} | ${T-AVG-2} | ${HUM-AVG-2} | ${P-AVG-2} | ${WD-AVG-2} | ${AWS-AVG-2} |
| **ГДК с. д., мг/м3** | **0,040** | **0,050** | **3,0** | **---** | **0,150** | **0,150** |  | | | | |

Аналіз результатів вимірювань атмосферного повітря 15.07.2021 показав наявність періодичних перевищень гранично-допустимої максимально разової концентрації (ГДКм.р.) за показником сірководень.

Порівнюючи результати досліджень з гранично-допустимою концентрацію середньодобовою (ГДКс.д.) встановлено перевищення за показниками: діоксид азоту та сірчистий ангідрид.

**Директор КП «НДЦ»** **В. П. Дворецков**

Вик. Таран О. В., 701076