**Ecology Report**

**INFORMATION ON AIR POLLUTION IN UMP JSC LOCATION, QUARTER 1, 2023**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Monitoring area** | **Average quarterly content of the pollutants in the lowest atmospheric layer** | | | | | | | |
|
| **Beryllium (Ве)** | | **Alpha-active aerosol (AAA) activity concentration** | | **Hydrogen fluoride (HF)** | | **Nitrogen dioxide (NO2)** | |
| UMP JSC protection area border | 0,0133 | % MPC | 60.6 | % MPC | 15 | % MPC | 36.0 | % MPC |
| Living area border | 0,0103 | % MPC | 63.6 | % MPC | 10 | % MPC | 33.0 | % MPC |
| Living area | 0,0094 | % MPC | 63.6 | % MPC | 15 | % MPC | 32.5 | % MPC |

**Note:**  
MPC – maximum permissible concentration (MPC) of the pollutants in the air  
PAC – permissible activity concentration of alpha-active aerosols in the air.

**INFORMATION ON ACTUAL EMISSIONS BY UMP JSC, QUARTER 1, 2023**

|  |  |  |
| --- | --- | --- |
| **Pollutant** | **State limit, tons** | **Actual emissions in quarter 1, 2023, tons** |
| Beryllium (Ве) | 0,029 | 0,0007 |
| Alpha-active aerosol (AAA) activity concentration | 4.57 GBq | 0.26 GBq |
| Hydrogen fluoride (HF) | 2.30 | 0.15 |
| Nitrogen dioxide (NO2) | 4.93 | 0.38 |