Ecology Report

INFORMATION ON AIR POLLUTION IN UMP JSC LOCATION, QUARTER 1, 2022

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 | 0,0097 | % MPC | 63,6 | % MPC | 10 | % MPC | 31,5 | % MPC |
| Living area border | 0,0097 | % MPC | 63,6 | % MPC | 10 | % MPC | 35,5 | % MPC |
| Living area | 0,0096 | % MPC | 63,6 | % MPC | 15 | % MPC | 31,5 | % 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, 2022

|  |  |  |
| --- | --- | --- |
| Pollutant | State limit, tons | Actual emissions in quarter 1, 2021, tons |
| Beryllium (Ве) | 0,029 | 0,0006 |
| Alpha-active aerosol (AAA) activity concentration | 4,57 GBq | 0,15 GBq |
| Hydrogen fluoride (HF) | 2,30 | 0,12 |
| Nitrogen dioxide (NO2) | 4,93 | 0,35 |