Ecology Report

INFORMATION ON AIR POLLUTION IN UMP JSC LOCATION, QUARTER 4, 2021

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| --- | --- |
| Monitoring area | Average quarterly content of the pollutants in the lowest atmospheric layer |
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| Beryllium (Ве) | Alpha-active aerosol (AAA) activity concentration | Hydrogen fluoride (HF) | Nitrogen dioxide (NO2) |
| UMP JSC protection area border  | 0,0096 | % MPC  | 60,6 | % MPC  | 10  | % MPC  | 35,5 | % MPC  |
| Living area border | 0,0010 | % MPC  | 60,6 | % MPC  | 10 | % MPC  | 32,5 | % MPC  |
| Living area | 0,0091 | % MPC  | 63,6 | % MPC  | 10 | % 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 4, 2021

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| --- | --- | --- |
| Pollutant  | State limit, tons  | Actual emissions in quarter 4, 2021, tons |
| Beryllium (Ве) | 0,029 | 0,0008 |
| Alpha-active aerosol (AAA) activity concentration | 4,57 GBq | 0,19 GBq |
| Hydrogen fluoride (HF) | 2,30 | 0,14 |
| Nitrogen dioxide (NO2) | 4,93 | 0,43 |