

Nemak Slovakia

## Emissions, water, wastes – public disclosure



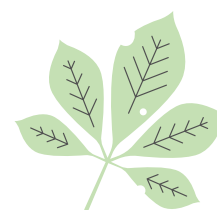
**Permit to operate / povolenie na prevádzku:**

<https://www.enviroportal.sk/ipkz/prevadzka/858>



**Data also available / tiež dostupné na:**

<https://nrz.shmu.sk/sk>

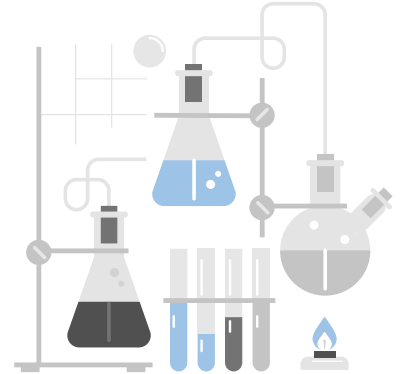


## Emissions / emisie

Tons per year Tony za rok	2020	2021	2022	2023
<b>TZL (PPM)</b>	11,15	11,07	12,10	13,74
<b>SO<sub>2</sub></b>	11,98	7,74	13,80	10,61
<b>NO<sub>x</sub></b>	8,34	9,51	11,67	12,98
<b>CO</b>	22,71	25,50	27,42	29,15
<b>TOC</b>	89,99	96,51	92,23	98,17
<b>HF</b>	0,12	0,12	0,3	0,22
<b>phenol / fenol</b>	6,73	4,55	3,13	1,29
<b>formaldehyde</b>	0,12	0,10	0,092	0,09

## Water / voda

m <sup>3</sup> per year	2021	2022	2023
consumption / withdrawal	57 852	61 597	66 773
discharge	57 852	61 597	66 773



## Monitored discharge parameters / sledované parametre

limit	indicator		unit	23.01.2024 measuring
6,0 - 9,0	pH vodíkové ióny	pH		8,35
40	Nerozpustené látky NL105	NL	mg/l	5,7
3,0	Hliník Al	Al	mg/l	0,18
0,1	Arzén As	As	mg/l	0,007
50	Ortuť Hg	Hg	µg/l	<0,2
3,0	Nep. extr. látky NEL (IR)	NEL	mg/l	<0,2
0,2	Kadmium Cd	Cd	mg/l	<0,0003
0,8	Chróm celkový Cr <sub>c</sub>	Cr celk.	mg/l	0,003
0,1	Chróm VI Cr <sub>6+</sub>	Cr 6+	mg/l	<0,003
0,8	Meď Cu	Cu	mg/l	0,01
0,8	Nikel Ni	Ni	mg/l	0,003
0,4	Olovo Pb	Pb	mg/l	0,001
1,6	Cín Sn	Sn	mg/l	<0,005
1,6	Vanád V	V	mg/l	<0,002
2,0	Zinok Zn	Zn	mg/l	0,045
0,1	Kyanidy celkové CNTOX	CN-tox	mg/l	<0,005
2000,0	AOX	AOX	µg/l	6

## Wastes - odpady

Waste	Catalogue number	2022 tons	2023 tons
Sand / piesok	10 10 06	9 332,720	10 391,990
	10 10 08	8 895,120	9 529,930
Iron waste / železo	19 12 02	147,780	87,510
	15 01 04	0,155	0,210
	17 04 05	6,3135	1,3732
Al Chips / špony	12 01 03	2 969,125	3 253,561
Liquid wastes / kvapalné odpady	06 01 01	82,000	84,820
	06 02 04	29,000	39,320
	11 01 11	19,000	386,830
	13 01 10	0,190	10,880
	13 08 02	536,000	542,390
	13 02 05	0,210	0,200
	13 02 06	0,396	0,260
	16 10 01	3 345,150	3 614,180
	19 08 13	6,000	-
	10 03 26	7,660	-
Sump / žumpa	-	277,000	160,000
Packaging waste / odpady z obalov	15 01 01	16,656	36,525
	15 01 02	5,651	14,793
	15 01 03	27,307	31,398
	15 01 06	99,150	65,630
Rubber / guma	19 12 04	0,110	-
Grinding materials / brúsne materiály	12 01 21	2,928	2,515
Wood / drevo	17 02 01	0,369	0,060
Al drosses and splatters / peny a rozstreky	17 04 02	438,8100	626,5920
	10 03 16	1 139,480	1 340,161
Dangerous packaging / nebezpečné obaly	15 01 10	18,550	22,510
Absorbents / absorbenty	15 02 02	44,800	45,850
Electrowaste / elektroodpad	20 01 21	-	0,09
	20 01 23	-	0,137
	20 01 33	-	-
	16 02 13	0,048	-
Toners / tonery	08 03 18	0,178	0,284
Electrowaste / elektroodpad	20 01 34	0,130	0,26
	20 01 36	1,372	1,588
Lab chemicals / laboratórne chemikálie	16 05 06	2,070	0,52
Refractories / výmurovky	16 11 04	4,500	6,27
		<b>27 455,929</b>	<b>30 303,237</b>

