



Tables with lists of the biggest polluters according to the IPR for the Czech Republic

Reports concerning 2016

The column "Trend" always states whether the relevant facility increased or decreased releases and transfers of the hazardous substances in comparison with 2015. A cross is given in the case of companies which did not report the substances in the previous year, a swung dash means approximately the same amount as in the previous year.

Table 1 – Carcinogenic, probably carcinogenic, and potentially carcinogenic substances

Table 2 – Carcinogenic substances

Table 3 – Substances toxic to reproduction (without carbon monoxide)

Table 4 – Carbon monoxide

Table 5 – Mutagenic substances

Table 6 – Endocrine disruptors

Table 7 – Greenhouse gases

Table 8 – Gases causing acid rain

Table 9 – Ozone depleting substances

Table 10 – Substances hazardous to water organisms

Table 11 – Persistent organic pollutants (POPs)

Table 12 – Mercury and its compounds (releases)

Table 13 – Mercury and its compounds (in emissions and waste transfers)

Table 14 – Styrene

Table 15 - Formaldehyde

Table 16 – Polyaromatic hydrocarbons (PAHs)

Table 17 – Dioxins

Table 18 – Aerosol emissions (PM10)

Table 1 – Carcinogenic, probably carcinogenic, and potentially carcinogenic substances

The order of facilities according to the amounts of substances and their compounds classified by the International Agency for Research on Cancer (IARC) as **carcinogenic (1), probably (2A) and possibly (2B) carcinogenic to humans** contained in the total releases **into the air, water, and soil** according to the data published in the Integrated Pollution Register concerning 2016 (www.irz.cz). **Group 1** includes the following chemical substances and their compounds reported into the IPR: **arsenic, asbestos, benzene, ethylene oxide, formaldehyde, chromium, cadmium, polychlorinated biphenyls (PCBs), trichloroethylene, and vinyl chloride**. **Groups 2A and 2B** include the following chemical substances and their compounds reported into the IPR: **1,2,3,4,5,6-hexachlorocyclohexane (HCH), 1,2-dichloroethane (DCE), di(2-ethylhexyl) phthalate (DEHP), dichlorodiphenyltrichloroethane (DDT), dichloromethane (DCM), ethylbenzene, heptachlor, hexachlorobenzene (HCB), chloroalkanes (C₁₀₋₁₃), chlordane, chlordecone, lindane, mirex, naphthalene, nickel, lead, mercury, styrene, tetrachloroethylene, tetrachloromethane (TCM), toxaphene, and trichloromethane**.

Order	Organisation/company	Facility	Site	Region	Amount of substances in kg	Trend
1	SPOLANA a.s.	Spolana Neratovice	Neratovice	Stk	38 129.60	↓
2	ACO Industries k.s.	ACO Industries, k.s.	Havlíčkův Brod	Vys	23 637.00	↑
3	PETER - GFK spol. s r.o.	PETER - GFK spol. s r.o., provozovna Kocbeře	Kocbeře	Khk	8 703.00	↓
4	PETER - GFK spol. s r.o.	PETER - GFK spol. s r.o., provozovna Trhový Štěpánov	Trhový Štěpánov	Stk	8 184.00	↓
5	Iveco Czech Republic, a. s.	Iveco Czech Republic, a. s.	Vysoké Mýto	Pak	7 216.40	↑
6	COMPOSITE COMPONENTS a.s.	COMPOSITE COMPONENTS a.s.	Choceň	Pak	7 075.00	↑
7	Teva Czech Industries s.r.o.	Teva Czech Industries s.r.o.	Opava	Msk	6 432.00	~
8	L.A.S.T., spol. s r.o.	Tečovice	Tečovice	Zlk	6 089.00	↓
9	KRONOSPAN CR, spol. s r.o.	KRONOSPAN CR	Jihlava	Vys	6 058.00	↑
10	DEZA, a.s.	DEZA, a.s., Valašské Meziříčí	Valašské Meziříčí	Zlk	5 411.47	~

Table 2 – Carcinogenic substances

The order of facilities according to the amounts of substances and their compounds classified by the International Agency for Research on Cancer (IARC) as **carcinogenic (1)**, contained in the total releases **into the air, water, and soil** according to the data published in the Integrated Pollution Register concerning 2016 (www.irz.cz). **Group 1** includes the following chemical substances and their compounds reported into the IPR: **arsenic, asbestos, benzene, ethylene oxide, formaldehyde, chromium, cadmium, polychlorinated biphenyls (PCBs), trichloroethylene, and vinyl chloride**.

Order	Organisation/company	Facility	Site	Region	Amount of substances in kg	Trend
1	SPOLANA a.s.	Spolana Neratovice	Neratovice	Stk	35 018.00	↓
2	KRONOSPAN CR, spol. s r.o.	KRONOSPAN CR	Jihlava	Vys	6 058.00	↑
3	Dřevozpracující družstvo	Dřevozpracující družstvo	Lukavec	Vys	4 979.00	↓
4	DEZA, a.s.	DEZA, Valašské Meziříčí	Valašské Meziříčí	Zlk	4 904.50	~
5	KRONOSPAN OSB, spol. s r.o.	KRONOSPAN OSB	Jihlava	Vys	3 418.00	↑
6	ROCKWOOL, a.s.	Rockwool, a.s., výrobní závod Bohumín	Bohumín	Msk	2 650.00	↓
7	DUKOL Ostrava, s.r.o.	DUKOL Ostrava, s.r.o.	Ostrava	Msk	2 396.00	↑
8	Sokolovská uhelná, právní nástupce, a.s.	Sokolovská uhelná, právní nástupce, a.s.-zpracovatelská část	Vřesová	Kvk	1 279.00	↓
9	Ostravské vodárny a kanalizace a. s.	Provoz ČOV	Ostrava	Msk	662.00	↑
10	SAINT-GOBAIN ADFORS CZ s.r.o.	SAINT-GOBAIN ADFORS CZ s.r.o. - závod 1 Litomyšl	Litomyšl	Pak	563.00	×

Table 3 – Substances toxic to reproduction (without carbon monoxide)

Industrial facilities which released the highest amounts of **reprotoxic** substances (substances harmful to reproduction), **except carbon monoxide**, in 2016. Incorporation of substances among **substances toxic to reproduction** is based on the assessment of the State of California EPA¹ and on the profiles of the substances stated on the internet pages of the Integrated Pollution Register. On the basis of the above-mentioned documents, the following substances were included among the substances toxic to reproduction: **1,2,3,4,5,6-hexachlorocyclohexane (HCH), arsenic, benzene, benzo(g,h,i)perylene, dichlorodiphenyltrichloroethane (DDT), di-(2-ethyl hexyl) phthalate (DEHP), diuron, ethylene oxide, fluoranthene, hexachlorobenzene (HCB), chlordecone, chromium, cadmium, mirex, nonylphenol and nonylphenol ethoxylates, organic compounds of tin, carbon monoxide, pentachlorobenzene, polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), polychlorinated dioxins + furans (PCDD/Fs), mercury, simazine, toluene, toxaphene, tributyltin and its compounds, triphenyltin and its compounds, and xylenes.**

¹ State of California EPA - Office of Environmental Health Hazard Assessment 2006: Safe Drinking Water and Toxic Enforcement Act of 1986 - Chemicals Known to the State to Cause Cancer or Reproductive Toxicity, 29.IX.06. Proposition 65. Available at: http://www.oehha.ca.gov/prop65/prop65_list/Newlist.html#list

Order	Organisation/company	Facility	Site	Region	Amount of substances in kg	Trend
1	DEZA, a.s.	DEZA, a.s., Valašské Meziříčí	Valašské Meziříčí	Zlk	4 987.47	~
2	Sokolovská uhelná, právní nástupce, a.s.	Sokolovská uhelná, právní nástupce, a.s.-zpracovatelská část	Vřesová	Kvk	1 651.00	↓
3	ALUHUT a.s.	ALUHUT a.s.	Rybníky	Stk	1 544.00	×
4	Ostravské vodárny a kanalizace a. s.	Provoz ČOV	Ostrava	Msk	685.40	↑
5	TŘINECKÉ ŽELEZÁRNY, a. s.	Provozovna Třinec	Třinec	Msk	534.00	↓
6	Elektrárna Počeradý, a.s.	Elektrárna Počeradý	Volevčice	Ust	425.76	↑
7	Brněnské vodárny a kanalizace, a.s.	Čistírna odpadních vod Brno v Modřicích	Modřice	Jmk	422.54	↑
8	VODÁRNA PLZEŇ a.s.	ČOV Plzeň	Plzeň	Plz	358.20	↓
9	ČEZ, a. s.	Elektrárny Pruněřov	Pruněřov	Ust	329.80	↓
10	ArcelorMittal Ostrava a.s.	ArcelorMittal Ostrava a.s.	Ostrava	Msk	326.47	↓

Table 4 – Carbon monoxide

Industrial facilities which released the highest amounts of **carbon monoxide**, a substance toxic to reproduction, in 2016.

Order	Organisation/company	Facility	Site	Region	Amount of substances in kg	Trend
1	TŘINECKÉ ŽELEZÁRNY, a. s.	Provozovna Třinec	Třinec	Msk	65 768 051	↑
2	ArcelorMittal Ostrava a.s.	ArcelorMittal Ostrava a.s.	Ostrava	Msk	63 758 718	↑
3	Elektrárna Počeradý, a.s.	Elektrárna Počeradý	Počeradý	Ust	2 057 365	↑
4	Českomoravský cement, a.s.	závod Mokrá	Mokrá - Horákov	Jmk	2 022 402	↑
5	ČEZ, a. s.	Elektrárny Pruněřov	Pruněřov	Ust	1 766 247	↑
6	VIADRUS a.s.	VIADRUS a.s.	Bohumín	Msk	1 520 257	↓
7	KOTOUČ ŠTRAMBERK, spol. s r. o.	KOTOUČ ŠTRAMBERK, spol. s r.o.	Štramberk	Msk	1 490 417	↓
8	Cement Hranice, akciová společnost	Cement Hranice, akciová společnost	Hranice	Olk	1 447 569	↓
9	Vápenka Čertovy schody a.s.	Vápenka Čertovy schody, a.s.	Tmaň	Stk	1 263 866	↑
10	Moravskoslezské cukrovary, a.s.	Moravskoslezské cukrovary, a.s. závod Hrušovany	Hrušovany nad Jevišovkou	Jmk	1 098 536	↑

Table 5 – Mutagenic substances

The order of facilities according to the amounts of substances and their compounds classified as **mutagenic**, contained in the total releases **into the air, water, and soil**, according to the data published in the IPR concerning 2016 (www.irz.cz). Incorporation of substances among the mutagenic ones is based on the profiles of the substances published on the internet pages of the IPR. The group of mutagenic substances includes the following chemical substances and their compounds reported into the IPR: *alachlor, anthracene, 1,2-dichloroethane, diuron, ethylene oxide, phenols, formaldehyde, mirex, polycyclic aromatic hydrocarbons (PAHs), trifluralin, trichloroethylene, and vinyl chloride*.

Order	Organisation/company	Facility	Site	Region	Amount of substances in kg	Trend
1	SPOLANA a.s.	Spolana Neratovice	Neratovice	Stk	38 295.00	↓
2	KRONOSPAN CR, spol. s r.o.	KRONOSPAN CR	Jihlava	Vys	6 058.00	↑
3	Dřevozpracující družstvo	Dřevozpracující družstvo	Lukavec	Vys	4 979.00	↓
4	KRONOSPAN OSB, spol. s r.o.	KRONOSPAN OSB	Jihlava	Vys	3 418.00	↑
5	ROCKWOOL, a.s.	Rockwool, a.s., výrobní závod Bohumín	Bohumín	Msk	2 650.00	↓
6	DUKOL Ostrava, s.r.o.	DUKOL Ostrava, s.r.o.	Ostrava	Msk	2 396.00	↑
7	ALUHUT a.s.	ALUHUT a.s.	Rybníky	Stk	1 544.00	×
8	SAINT-GOBAIN ADFORS CZ s.r.o.	SAINT-GOBAIN ADFORS CZ s.r.o. - závod 1 Litomyšl	Litomyšl	Pak	563.00	×
9	Saint-Gobain Construction Products CZ a.s.	Saint-Gobain Construction Products CZ a.s.	Častolovice	Khk	504.00	↓
10	HP-Pelzer s.r.o.	HP - Pelzer s.r.o. -odštěpný závod Žatec	Žatec	Ust	475.69	↑

Table 6 – Endocrine disruptors

The order of facilities according to the amounts of substances and their compounds classified as **endocrine disruptors**, contained in the total releases **into the air, water, and soil**, according to the data published in the IPR concerning 2016 (www.irz.cz). Incorporation of substances among endocrine disruptors is based on classifications of the substances in the EU and USA. The group of endocrine disruptors includes the following chemical substances and their compounds reported into the IPR: *atrazine, chloroalkanes (C₁₀₋₁₃), di-(2-ethyl hexyl) phthalate (DEHP), polychlorinated biphenyls (PCBs), polychlorinated dioxins + furans (PCDD/Fs), tetrachloroethylene (PER), trichlorobenzenes, styrene*.

Order	Organisation/company	Facility	Site	Region	Amount of substances in kg	Trend
1	ACO Industries k.s.	ACO Industries, k.s.	Přibyslav	Vys	23 637.00	↑
2	PETER - GFK spol. s r.o.	PETER - GFK spol. s r.o., provozovna Kocbeře	Kocbeře	Khk	8 703.00	↓
3	PETER - GFK spol. s r.o.	PETER - GFK spol. s r.o., provozovna Trhový Štěpánov	Trhový Štěpánov	Stk	8 184.00	↓
4	Iveco Czech Republic, a. s.	Iveco Czech Republic, a. s.	Vysoké Mýto	Pak	7 216.40	↑
5	COMPOSITE COMPONENTS a.s.	COMPOSITE COMPONENTS a.s.	Choceň	Pak	7 075.00	↑
6	L.A.S.T., spol. s r.o.	Tečovice	Tečovice	Zlk	6 089.00	↓
7	Nová Mosilana, a.s.	Nová Mosilana, a.s.	Brno	Jmk	4 960.00	↓
8	C. BECHSTEIN EUROPE s.r.o.	C.BECHSTEIN EUROPE s.r.o.	Hradec Králové	Khk	4 849.00	↑
9	Technistone, a.s.	Technistone, a.s.	Hradec Králové	Khk	4 545.00	↑
10	PETROF, spol. s r.o.	PETROF, spol. s r.o.	Hradec Králové	Khk	4 053.00	↓

Table 7 – Greenhouse gases

The order of facilities according to the amounts of **greenhouse gases (carbon dioxide, nitrous oxide, methane)**, calculated according to their potential to contribute to the greenhouse effect, in the total releases **into the air**, according to the data published in the IPR concerning 2016 (www.irz.cz). The data are in tons. The first places in the list are influenced by carbon dioxide emissions only.

Order	Organisation/company	Facility	Site	Region	Amount of substances in kg	Trend
1	Elektrárna Počerady, a.s.	Elektrárna Počerady	Volevčice	Ust	5 835 378 626	↑
2	ČEZ, a. s.	Elektrárny Prunéřov	Kadaň	Ust	5 609 841 732	↑
3	ČEZ, a. s.	Elektrárny Tušimice	Kadaň	Ust	4 726 560 591	~
4	Sokolovská uhelná, právní nástupce, a.s.	Sokolovská uhelná, právní nástupce, a.s.-zpracovatelská část	Vřesová	Kvk	4 399 928 000	↑
5	ArcelorMittal Ostrava a.s.	ArcelorMittal Ostrava a.s.	Ostrava	Msk	3 237 646 000	↑
6	UNIPETROL RPA, s.r.o.	UNIPETROL RPA	Litvínov	Ust	2 827 563 602	~
7	ČEZ, a. s.	ČEZ, a. s. Elektrárna Mělník, Teplárna Trmice - provoz Mělník	Horní Počaply	Stk	2 647 515 418	↓
8	TŘINECKÉ ŽELEZÁRNY, a. s.	Provozovna Třinec	Třinec	Msk	2 513 079 014	~
9	TAMEH Czech s.r.o.	Provoz 46 - Teplárna	Ostrava	Msk	2 374 980 000	↑
10	Elektrárna Dětmarovice, a.s.	Elektrárna Dětmarovice	Dětmarovice	Msk	2 366 730 534	~

Table 8 – Gases causing acid rain

The following industrial facilities released the highest amounts of **gases causing acid rains (ammonia, nitrogen oxides, sulphur oxides, hydrogen fluoride and hydrogen chloride)** in 2016:

Order	Organisation/company	Facility	Site	Region	Amount of substances in kg	Trend
1	Elektrárna Počerady, a.s.	Elektrárna Počerady	Volevčice	Ust	11 779 389	↓
2	UNIPETROL RPA, s.r.o.	UNIPETROL RPA	Litvínov	Ust	10 657 029	↑
3	ČEZ, a. s.	Elektrárny Prunéřov	Kadaň	Ust	10 229 415	↓
4	Sokolovská uhelná, právní nástupce, a.s.	Sokolovská uhelná, právní nástupce, a.s.-zpracovatelská část	Vřesová	Kvk	7 204 060	↑
5	ČEZ, a. s.	ČEZ, a. s. Elektrárna Mělník, Teplárna Trmice - provoz Mělník	Horní Počaply	Stk	6 442 073	↓
6	Elektrárna Tisová, a.s.	Elektrárna Tisová	Březová	Kvk	5 339 520	↓
7	ArcelorMittal Ostrava a.s.	ArcelorMittal Ostrava a.s.	Ostrava	Msk	5 301 699	↑
8	ČEZ, a. s.	Elektrárny Tušimice	Kadaň	Ust	5 273 307	~
9	Veolia Energie ČR, a.s.	Elektrárna Třebovice	Ostrava	Msk	4 860 957	↓
10	TAMEH Czech s.r.o.	Provoz 46 - Teplárna	Ostrava	Msk	4 755 347	~

Table 9 – Ozone depleting substances

The order of facilities according to the amounts of ozone depleting substances, calculated according to their potential to contribute to depletion of the Earth ozone layer, in the total releases **into the air**, according to the data published in the Integrated Pollution Register concerning 2016 (www.irz.cz). Only **hydrochlorofluorocarbons (HCFCs)**, **chlorofluorocarbons (CFCs)** and **tetrachloromethane (TCM)** are included. The ozone depletion potential is calculated relative to the effects of CFCs (so-called "hard freons"), having the potential of 1. We use the coefficient of 0.062 in the case of HCFCs (so-called "soft freons"), and 1.1 in the case of TCM.

Order	Organisation/company	Facility	Site	Region	Amount of substances in converted kg	Trend
1	ČEZ, a. s.	Jaderná elektrárna Dukovany	Dukovany	Vys	2 287.50	×
2	SPOLANA a.s.	Spolana Neratovice	Neratovice	Stk	10.23	↑
3	Faurecia Interior Systems Bohemia s.r.o.	Faurecia Interior Systems Bohemia s.r.o.	Plazy	Stk	1.86	↑
4	Lafarge Cement, a.s.	Lafarge Cement, a.s.	Čížkovice	Ust	1.36	×
5	PRAKTIK system s.r.o.	PRAKTIK system s.r.o., provozovna Stráž pod Ralskem	Stráž pod Ralskem	Lib	0.81	↓
6	SAINT-GOBAIN ADFORS CZ s.r.o.	SAINT-GOBAIN ADFORS CZ s.r.o. - závod 1 Litomyšl	Litomyšl	Pak	0.56	×
7	ČEZ, a. s.	ČEZ, a. s. Elektrárna Mělník, Teplárna Trmice - provoz Mělník	Horní Počaply	Stk	0.22	×
8	oncomed manufacturing a.s.	oncomed manufacturing a.s. - Karásek 1	Brno	Jmk	0.11	↓
9	ADM Prague s.r.o.	ADM Prague s.r.o.	Olomouc	Olk	0.10	↓

Table 10 – Substances hazardous to water organisms

The following industrial facilities released the highest amounts of **substances hazardous to water organisms** into water in 2016. The substances were selected according to the R-phrases. Simultaneously, there were selected only substances in the case of which emissions into water are reported (**1,2,3,4,5,6-hexachlorocyclohexane (HCH)**, **arsenic** and its compounds, **atrazine**, **brominated diphenylethers (PBDEs)**, **DDT**, **diuron**, **endosulfan**, **endrin**, **heptachlor**, **hexachlorobenzene**, **chloroalkanes (C₁₀₋₁₃)**, **chlordane**, **chlordecone**, **chlorfenvinphos**, **chlorpyrifos**, **chromium** and its compounds, **isodrin**, **isoproturon**, **cadmium** and its compounds, **cyanides**, **lindane (γ-HCH)**, **copper** and its compounds, **mirex**, **naphthalene**, **nickel** and its compounds, **nonylphenol and nonylphenol ethoxylates**, **lead** and its compounds, **pentachlorobenzene (PeCB)**, **polycyclic aromatic hydrocarbons (PAHs)**, **polychlorinated biphenyls (PCBs)**, **mercury** and its compounds, **simazine**, **organotin compounds**, **toxaphene**, **tributyltin** and its compounds, **triphenyltin** and its compounds, **trifluralin**, and **zinc** and its compounds).

Order	Organisation/company	Facility	Site	Region	Amount of substances in kg	Trend
1	Lovochemie, a.s.	Lovochemie, a.s., Lovosice	Lovosice	Ust	7 670.00	↓
2	Pražské vodovody a kanalizace, a.s.	Ústřední čistírna odpadních vod Praha	Praha	Pha	6 789.85	↑
3	Ostravské vodárny a kanalizace a. s.	Provoz ČOV	Ostrava	Msk	3 552.40	↑
4	VODÁRNA PLZEŇ a.s.	ČOV Plzeň	Plzeň	Plz	3 269.20	↑
5	ENERGETIKA TŘINEC, a.s.	Provozy Teplárny a Tepelná energetika	Třinec	Msk	3 007.80	↑
6	ArcelorMittal Ostrava a.s.	ArcelorMittal Ostrava a.s.	Ostrava	Msk	2 853.52	↓
7	TOMA, a.s.	ČOV Otrokovice	Otrokovice	Zlk	2 791.68	↑
8	Vodovody a kanalizace Pardubice, a.s.	Provozovna BČOV Pardubice	Pardubice	Pak	2 311.39	↓
9	Brněnské vodárny a kanalizace, a.s.	Čistírna odpadních vod Brno v Modřicích	Brno	Jmk	2 045.54	↓
10	Sokolovská uhelná, právní nástupce, a.s.	Sokolovská uhelná, právní nástupce, a.s.-zpracovatelská část	Vřesová	Kvk	1 376.75	↓

Table 11 – Persistent organic pollutants (POPs)

In 2016, the following industrial facilities released and/or transferred to other places the highest amounts of **POPs**, listed in the lists of the Stockholm Convention and the POPs Protocol to the Convention on Long-Range Transboundary Air Pollution. These substances are 1,2,3,4,5,6-hexachlorocyclohexane (HCH), aldrin, brominated diphenylethers (PBDEs), DDT, dieldrin, endosulfan, endrin, heptachlor, *hexachlorobenzene (HCB)*, *hexachlorobutadiene (HCBd)*, chlordane, chlordecone, *lindane*, mirex, *organic compounds of tin*, *pentachlorobenzene (PeCB)*, *polyaromatic hydrocarbons (PAHs)*, *polychlorinated biphenyls (PCBs)*, and *toxaphene*, with the exception of the amounts of PCBs and polybrominated diphenylethers (PBDEs) in waste, which, according to our estimates, need not be produced as by-products of the operation of the facilities. Moreover, a separate table was drawn up for dioxins.

Order	Organisation/company	Facility	Site	Region	Amount of substances in kg	Trend
1	CHS Epi, a.s.	CHS Epi	Ústí nad Labem	Ust	304 752.00	↓
2	DEZA, a.s.	DEZA, a.s., Valašské Meziříčí	Valašské Meziříčí	Zlk	12 261.00	×
3	AWT ROSCO a.s.	Vypařovací a dezinfekční stanice Bohumín	Bohumín	Msk	6 901.00	↑
4	ALUHUT a.s.	ALUHUT a.s.	Rybníky	Stk	1 544.00	×
5	SUEZ Využití zdrojů a.s.	provozovna Rapotín	Trmice	Olk	372.02	×
6	ArcelorMittal Ostrava a.s.	ArcelorMittal Ostrava a.s.	Ostrava	Msk	345.01	↓
7	Marius Pedersen a.s.	Závod na zpracování odpadů Lomnice n. P. - Bryndov	Lomnice nad Popelkou	Lib	325.43	×
8	REKLA spol. s r. o.	Semtín U22	Pardubice	Pak	256.51	↓
9	REKLA spol. s r. o.	REKLA spol. s r.o.	Olomouc	Olk	240.28	↓
10	VIADRUS a.s.	VIADRUS a.s.	Bohumín	Msk	161.86	↑

Table 12 – Mercury and its compounds (releases)

The following industrial facilities released the highest amounts of **mercury and its compounds** in emissions into the air, water, and soil in 2016:

Order	Organisation/company	Facility	Site	Region	Amount of substances in kg	Trend
1	Sokolovská uhelná, právní nástupce, a.s.	Sokolovská uhelná, právní nástupce, a.s. - zpracovatelská část	Vřesová	Kvk	372.00	↑
2	Elektrárna Počerady, a.s.	Elektrárna Počerady	Volevčice	Ust	293.24	↑
3	ČEZ, a. s.	Elektrárny Tušimice	Kadaň	Ust	159.50	↑
4	Alpiq Generation	ELEKTRÁRNA KLADNO	Kladno	Stk	156.15	↑
5	TŘINECKÉ ŽELEZÁRNY, a. s.	Provozovna Třinec	Třinec	Msk	153.00	~
6	ČEZ, a. s.	Elektrárny Pruněřov	Kadaň	Ust	148.77	~
7	ČEZ, a. s.	ČEZ, a. s. Elektrárna Mělník, Teplárna Trmice - provoz Mělník	Horní Počaply	Stk	127.29	↓
8	Sev.en EC, a.s.	Elektrárna Chvaletice	Chvaletice	Pak	89.33	↑
9	Elektrárna Tisová, a.s.	Elektrárna Tisová	Březová	Kvk	74.56	↓
10	ENERGETIKA TŘINEC, a.s.	Provozy Teplárny a Tepelná energetika	Třinec	Msk	72.93	↓

Table 13 – Mercury and its compounds (in emissions and waste transfers)

Industrial facilities which released or transferred **in wastes** the highest amounts of **mercury and its compounds** in 2016:

Order	Organisation/company	Facility	Site	Region	Amount of substances in kg	Trend
1	Spolek pro chemickou a hutní výrobu, akciová společnost	Spolek pro chemickou a hutní výrobu, akciová společnost	Ústí nad Labem	Ust	2 404.58	↑
2	SPOLANA a.s.	Spolana Neratovice	Neratovice	Stk	2 172.54	↑
3	Sokolovská uhelná, právní nástupce, a.s.	Sokolovská uhelná, právní nástupce, a.s. - zpracovatelská část	Vřesová	Kvk	372.00	↑
4	CeramTec Czech Republic, s.r.o.	CeramTec Czech Republic, s.r.o.	Šumperk	Olk	350.00	×
5	ArcelorMittal Ostrava a.s.	ArcelorMittal Ostrava a.s.	Ostrava	Msk	313.27	↑
6	Elektrárna Počerady, a.s.	Elektrárna Počerady	Volevčice	Ust	293.24	↑
7	SUEZ Využití zdrojů a.s.	Spalovna Ostrava	Ostrava	Msk	241.50	↓
8	Alpiq Generation	ELEKTRÁRNA KLADNO	Kladno	Stk	220.82	↑
9	TŘINECKÉ ŽELEZÁRNY, a. s.	Provozovna Třinec	Třinec	Msk	161.97	↑
10	ČEZ, a. s.	Elektrárny Tušimice	Kadaň	Ust	159.50	↑

Table 14 – Styrene

The order of facilities according to the amounts of **styrene** in the total releases **into the air**:

Order	Organisation/company	Facility	Site	Region	Amount of substances in kg	Trend
1	ACO Industries k.s.	ACO Industries, k.s.	Příbrav	Vys	23 637.00	↑
2	PETER - GFK spol. s r.o.	PETER - GFK spol. s r.o., provozovna Kocbeře	Kocbeře	Khk	8 703.00	↓
3	PETER - GFK spol. s r.o.	PETER - GFK spol. s r.o., provozovna Trhový Štěpánov	Trhový Štěpánov	Stk	8 184.00	↓
4	Iveco Czech Republic, a. s.	Iveco Czech Republic, a. s.	Vysoké Mýto	Pak	7 216.40	↑
5	COMPOSITE COMPONENTS a.s.	COMPOSITE COMPONENTS a.s.	Choceň	Pak	7 075.00	↑
6	L.A.S.T., spol. s r.o.	Tečovice	Tečovice	Zlk	6 089.00	↓
7	C. BECHSTEIN EUROPE s.r.o.	C.BECHSTEIN EUROPE s.r.o.	Týniště nad Orlicí	Khk	4 849.00	↑
8	Technistone, a.s.	Technistone, a.s.	Hradec Králové	Khk	4 545.00	↑
9	PETROF, spol. s r.o.	PETROF, spol. s r.o.	Hradec Králové	Khk	4 053.00	↓
10	POLYSAN s.r.o.	POLYSAN s.r.o.	Zruč nad Sázavou	Stk	3 809.00	↑

Table 15 - Formaldehyde

The following industrial facilities released the highest amounts of **formaldehyde** into **the air** in 2016:

Order	Organisation/company	Facility	Site	Region	Amount of substances in kg	Trend
1	KRONOSPAN CR, spol. s r.o.	KRONOSPAN CR	Jihlava	Vys	6 058.00	↑
2	Dřevozpracující družstvo	Dřevozpracující družstvo	Lukavec	Vys	4 979.00	↓
3	KRONOSPAN OSB, spol. s r.o.	KRONOSPAN OSB	Jihlava	Vys	3 418.00	↑
4	ROCKWOOL, a.s.	Rockwool, a.s., výrobní závod Bohumín	Bohumín	Msk	2 650.00	↓
5	DUKOL Ostrava, s.r.o.	DUKOL Ostrava, s.r.o.	Ostrava	Msk	2 396.00	↑
6	SAINT-GOBAIN ADFORS CZ s.r.o.	SAINT-GOBAIN ADFORS CZ s.r.o. - závod 1 Litomyšl	Litomyšl	Pak	563.00	×
7	Saint-Gobain Construction Products CZ a.s.	Saint-Gobain Construction Products CZ a.s.	Častolovice	Khk	504.00	↓
8	HP-Pelzer s.r.o.	HP - Pelzer s.r.o. -odštěpný závod Žatec	Žatec	Ust	475.69	↑
9	KORDÁRNA Plus a.s.	KORDÁRNA Plus a.s.	Velká nad Veličkou	Jmk	352.00	↓
10	A.RAYMOND JABLONEC s.r.o.	A.RAYMOND JABLONEC s.r.o.	Jablonec nad Nisou	Lib	313.00	~

Table 16 – Polyaromatic hydrocarbons (PAHs)

The following industrial facilities released the highest amounts of **polyaromatic hydrocarbons (PAHs)** into **the air** in 2016:

Order	Organisation/company	Facility	Site	Region	Amount of substances in kg	Trend
1	ALUHUT a.s.	ALUHUT a.s.	Rybníky	Stk	1 544.00	×
2	TŘINECKÉ ŽELEZÁRNY, a. s.	Provozovna Třinec	Třinec	Msk	57.00	↓

Table 17 – Dioxins

The highest amounts of **dioxins** were released into **the air** and/or transferred to other places in **waste and waste water** by the following industrial facilities in 2016:

Order	Organisation/company	Facility	Site	Region	Amount of substances in g TEQ	Trend
1	TŘINECKÉ ŽELEZÁRNY, a. s.	Provozovna Třinec	Třinec	Msk	19.04	↑
2	ArcelorMittal Ostrava a.s.	ArcelorMittal Ostrava a.s.	Ostrava	Msk	18.88	↑
3	SUEZ Využití zdrojů a.s.	Spalovna průmyslových odpadů Trmice	Trmice	Ust	10.20	↓
4	KOVOHUTĚ HOLDING DT, a.s.	divize Kovohutě Mníšek	Mníšek pod Brdy	Stk	6.00	↓
5	Pražské služby, a.s.	Spalovna Malešice	Praha	Pha	5.70	↑
6	SUEZ Využití zdrojů a.s.	Spalovna SITA - EMSEKO a.s., spalovna nebezpečného odpadu	Zlín	Zlk	5.60	↓
7	Plzeňská teplárenská, a.s.	ZEVO Plzeň	Plzeň	Plz	3.16	×
8	SAKO Brno, a.s.	SAKO Brno, a.s. - divize 3 ZEVO	Brno	Jmk	2.24	↓
9	SUEZ Využití zdrojů a.s.	Spalovna Ostrava	Ostrava	Msk	1.60	↓
10	ČEZ, a. s.	Elektrárny Pruněřov	Kadaň	Ust	0.47	↑

Table 18 – Aerosol emissions (PM₁₀)

The following industrial facilities released the highest amounts of **dust particles** into the air in 2016:

Order	Organisation/company	Facility	Site	Region	Amount of substances in kg	Trend
1	ArcelorMittal Ostrava a.s.	ArcelorMittal Ostrava a.s.	Ostrava	Msk	361 119	↓
2	ČEZ, a. s.	Elektrárny Prunéřov	Kadaň	Ust	311 940	↓
3	ČEZ, a. s.	Elektrárny Tušimice	Kadaň	Ust	245 345	↓
4	Elektrárna Počerady, a.s.	Elektrárna Počerady	Volevčice	Ust	205 313	↑
5	Sev.en EC, a.s.	Elektrárna Chvaletice	Chvaletice	Pak	189 197	↓
6	TŘINECKÉ ŽELEZÁRNY, a. s.	Provozovna Třinec	Třinec	Msk	157 450	↓
7	ČEZ, a. s.	ČEZ, a. s. Elektrárna Mělník, Teplárna Trmice - provoz Mělník	Horní Počaply	Stk	138 962	↓
8	Sokolovská uhelná, právní nástupce, a.s.	Sokolovská uhelná, právní nástupce, a.s. - zpracovatelská část	Vřesová	Kvk	109 670	×
9	Elektrárna Dětmarovice, a.s.	Elektrárna Dětmarovice	Dětmarovice	Msk	79 774	↓
10	Energotrans, a.s.	Elektrárna Mělník I - EMĚ I	Horní Počaply	Stk	75 076	↓

The **Integrated Pollution Register (IPR)** is operated, and data into it are collected, by the Ministry of Environment of the Czech Republic via the Czech Environmental Information Agency CENIA. It may be found, and searched, at the address www.irz.cz. The data on the releases of selected chemical substances are reported by the individual companies themselves into the Register, because this duty is set upon them by the Act. Arnika then analyses the data, and prepares clearly organised lists of polluters which cannot be easily found in the Register. Presence in these lists, and their publication, often motivate the companies to eliminate emissions of harmful substances, and to introduce more environmentally-friendly technologies. In spite of that, there were already several attempts to limit the IPR, and, thus, the public right to information on environmental pollution. The last time this has happened within the framework of the so-called environmental audit, when the Ministry of Industry and Trade wanted to reduce the number of the monitored substances, as well as of the companies obliged to submit reports. For more information, please see: arnika.org/zachovejme-irz

Arnika's pages concerning the IPR (including the lists concerning the previous years): arnika.org/registr-znecistovani