



E-PRTR pollutants and their thresholds

A facility has to report data under E-PRTR if it fulfils the following **criteria**:

- the facility falls under at least one of the [65 E-PRTR economic activities](#). The activities are also reported using a statistical classification of economic activities ([NACE rev 2](#))
- the facility has a capacity exceeding at least one of the [E-PRTR capacity thresholds](#)
- the facility releases pollutants or transfers waste off-site which exceed specific thresholds set out in [Article 5](#) of the E-PRTR Regulation. These thresholds for releases of pollutants are specified for each media - air, water and land - in [Annex II](#) of the E-PRTR Regulation.

In the following tables you will find the 91 E-PRTR pollutants and their thresholds broken down by the 7 groups used in all the searches of the E-PRTR website.

Greenhouse gases

	THRESHOLD FOR RELEASES		
	to air kg/year	to water kg/year	to land kg/year
Carbon dioxide (CO₂)	100 million	-	-
Hydro-fluorocarbons (HFCs)	100	-	-
Methane (CH₄)	100 000	-	-
Nitrous oxide (N₂O)	10 000	-	-
Perfluorocarbons (PFCs)	100	-	-
Sulphur hexafluoride (SF₆)	50	-	-

Other gases

	THRESHOLD FOR RELEASES		
	to air kg/year	to water kg/year	to land kg/year
Ammonia (NH₃)	10 000	-	-
Carbon monoxide (CO)	500 000	-	-
Chlorine and inorganic compounds (as HCl)	10 000	-	-
Chlorofluorocarbons (CFCs)	1	-	-
Flourine and inorganic compounds (as HF)	5 000	-	-
Halons	1	-	-
Hydrochlorofluorocarbons (HCFCs)	1	-	-
Hydrogen Cyanide (HCN)	200	-	-
Nitrogen oxides (NO_x/NO₂)	100 000	-	-
Non-methane volatile organic compounds (NMVOC)	100 000	-	-
Sulphur oxides (SO_x/SO₂)	150 000	-	-

Heavy metals

	THRESHOLD FOR RELEASES		
	to air kg/year	to water kg/year	to land kg/year
Arsenic and compounds (as As)	20	5	5
Cadmium and compounds (as Cd)	10	5	5
Chromium and compounds (as Cr)	100	50	50
Copper and compounds (as Cu)	100	50	50
Lead and compounds (as Pb)	200	20	20
Mercury and compounds (as Hg)	10	1	1
Nickel and compounds (as Ni)	50	20	20
Zinc and compounds (as Zn)	200	100	100

Pesticides

	THRESHOLD FOR RELEASES		
	to air kg/year	to water kg/year	to land kg/year
1,2,3,4,5,6- hexachlorocyclohexane (HCH)	10	1	1
Alachlor	-	1	1
Aldrin	1	1	1
Atrazine	-	1	1
Chlordane	1	1	1
Chlordecone	1	1	1
Chlorfenvinphos	-	1	1
Chlorpyrifos	-	1	1
DDT	1	1	1
Diuron	-	1	1
Endosulphan	-	1	1
Endrin	1	1	1
Heptachlor	1	1	1
Isodrin	-	1	-
Isoproturon	-	1	1
Lindane	1	1	1
Mirex	1	1	1
Simazine	-	1	1
Toxaphene	1	1	1
Tributyltin and compounds	-	1	1
Trifluralin	-	1	1
Triphenyltin and compounds	-	1	1

Chlorinated organic substances

	THRESHOLD FOR RELEASES		
	to air kg/year	to water kg/year	to land kg/year
1,1,1-trichloroethane	100	-	-
1,1,2,2-tetrachloroethane	50	-	-
1,2-dichloroethane (EDC)	1 000	10	10
Brominated diphenylethers (PBDE)	-	1	1
Chloro-alkanes, C10-C13	-	1	1
Dichloromethane (DCM)	1 000	10	10
Dieldrin	1	1	1
Halogenated Organic Compounds (AOX)	-	1 000	1 000
Hexabromobifenylyl	0,1	0,1	0,1
Hexachlorobenzene (HCB)	10	1	1
Hexachlorobutadiene (HCBd)	-	1	1
PCDD+PCFD (Dioxins+furans) (as Teq)	0,0001	0,0001	0,0001
Pentachlorobenzene	1	1	1
Pentachlorophenol (PCP)	10	1	1
Polychlorinated biphenyls (PCB)	0,1	0,1	0,1
Tetrachloroethylene (PER)	2 000	10	-
Tetrachloromethane (TCM)	100	1	-
Trichlorobenzenes (TCBs) (all isomers)	10	1	-
Trichloroethylene	2 000	10	-
Trichloromethane	500	10	-
Vinyl chloride	1 000	10	10

Other organic substances

	THRESHOLD FOR RELEASES		
	to air kg/year	to water kg/year	to land kg/year
Anthracene	50	1	1
Benzene	1 000	200 (as BTEX)	200 (as BTEX)
Benzo(g,h,i)perylene	-	1	-
Di-(2-ethyl hexyl) phthalate (DEHP)	10	1	1
Ethyl benzene	-	200 (as BTEX)	200 (as BTEX)
Ethylene oxide	1 000	10	10
Fluoranthene	-	1	-
Naphthalene	100	10	10
Nonylphenol and Nonylphenol ethoxylates (NP/NPEs)	-	1	1
Octylphenols and octylphenol ethoxylates	-	1	-
Organotin compounds (as total Sn)	-	50	50
Phenols (as total C)	-	20	20
Polycyclic Aromatic hydrocarbons (PAHs)	50	5	5
Toluene	-	200 (as BTEX)	200 (as BTEX)
Total Organic Carbon (TOC) (as total C or COD/3)	-	50 000	-
Xylenes	-	200 (as BTEX)	200 (as BTEX)

Inorganic substances

	THRESHOLD FOR RELEASES		
	to air kg/year	to water kg/year	to land kg/year
Asbestos	1	1	1
Chlorides (as total Cl)	-	2 million	2 million
Cyanides (as total CN)	-	50	50
Fluorides (as total F)	-	2 000	2 000
Particulate matter (PM10)	50 000	-	-
Total Nitrogen	-	50 000	50 000
Total Phosphorus	-	5 000	5 000