

# PRTR Activity

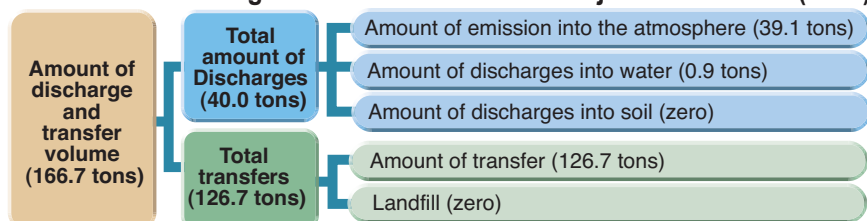
The entire company is making an effort to reduce discharges and transfer of substances subject to PRTR.

The PRTR (Pollutant Release and Transfer Register) law applies to 38 substances used at ZEON.

Total discharges reduced from 57.6 tons in 2007 to 40.0 tons in 2008.

ZEON is working vigorously to reduce discharges.

## Amount of Discharge and Transfer of PRTR Subject Substances (2008)



## Discharge and Transfer Data for Substances Restricted by Law

Government Adherence Control Number	Substance Name	Amount Used (tons)	Discharges to Atmosphere (tons)	Discharges to Water (tons)	Total Discharges (tons)	Transfer Volume (tons)
2	Acrylamide	48.2	0.1	0.0	0.1	0.0
3	Acrylic acid	69.1	0.0	0.0	0.0	0.0
4	Ethyl acrylate	1,149.5	1.4	0.0	1.4	0.0
	Butyl acrylate	602.2	0.0	0.0	0.0	0.0
6	Methyl acrylate	543.4	0.2	0.0	0.2	0.0
7	Acrylonitrile	21,838.5	14.2	0.0	14.2	0.0
12	Acetonitrile	1.4	0.0	0.0	0.0	0.0
22	Acryl alcohol	35.0	0.0	0.0	0.0	0.0
23	1-allyloxy-2, 3-epoxy propane	63.4	0.0	0.0	0.0	0.0
24	Linear alkylbenzenesulfonate and salt thereof	1,120.5	0.0	0.0	0.0	0.0
28	Isoprene	136,964.3	0.8	0.0	0.8	0.0
42	Ethylene oxide	813.2	0.9	0.1	1.1	0.0
46	Ethylene diamine	2.7	0.0	0.0	0.0	0.0
47	Ethylenediamine tetraacetic acid	57.2	0.0	0.0	0.0	0.0
54	Epichlorohydrin	459.7	0.0	0.0	0.0	0.0
56	Propylene oxide	5.4	0.0	0.0	0.0	0.0
63	Xylene	1,299.6	0.1	0.0	0.1	0.0
102	Vinyl acetate	237.2	0.0	0.0	0.0	0.0
159	Diphenylamine	6.9	0.0	0.0	0.0	0.0
172	N, N-dimethylformamide	219.9	0.0	0.0	0.0	0.0
177	Styrene	40,381.0	1.5	0.0	1.5	0.3
179	Dioxins*	0.8	0.0	0.0	0.0	0.7
227	Toluene	3,586.8	0.3	0.7	1.0	125.6
231	Nickel	34.0	0.1	0.0	0.1	0.0
232	Nickel compound	49.7	0.0	0.0	0.0	0.0
256	2-vinylpyridine	155.7	0.3	0.0	0.3	0.0
266	Phenol	80.0	0.0	0.0	0.0	0.0
268	1, 3-butadiene	507,543.4	18.4	0.0	18.4	0.0
272	Bis phthalate (2-ethylhexyl)	176.5	0.0	0.0	0.0	0.0
299	Benzene	3,735.5	0.0	0.0	0.0	0.0
307	Poly(oxyethylene) alkylether	49.3	0.0	0.0	0.0	0.0
309	Poly(oxyethylene) nonylphenyl ether	205.9	0.0	0.0	0.0	0.0
310	Formaldehyde	2.6	0.0	0.0	0.0	0.0
313	Maleic anhydride	204.1	0.4	0.0	0.4	0.0
314	Methacrylic acid	2,070.1	0.2	0.0	0.2	0.0
316	Methacrylic acid 2,3-epoxy propyl	5.3	0.0	0.0	0.0	0.0
320	Methyl methacrylate	579.5	0.2	0.0	0.2	0.0
321	Methacrylonitrile	2.9	0.0	0.0	0.0	0.0
	<b>Total</b>	<b>724,399.3</b>	<b>39.1</b>	<b>0.9</b>	<b>40.0</b>	<b>126.7</b>

\* Units of dioxins are mg-TEQ

Note: The PRTR Law specifies the amount in units of "kg" with fractions to 2 significant digits, but the table above shows values in units of tons.