



# ORICA CHEMICAL SUBSTANCE RELEASE INFORMATION 2009-2015

Chemical Substance	Release (tonnes)							Sites Included in 2015 Total
	2009	2010	2011	2012	2013	2014	2015	
Ammonia	645	627.7	653.5	272.1	537.8	204.9	171.0	Bontang, Carseland, Kooragang Island, Yarwun
Carbon monoxide	297.3	301.9	314.3	244.5	346.9	334.0	289.0	Brownsburg, Gomia, Kooragang Island, Tappen, Yarwun
Cyanide Inorganic compounds	0.1	0.2	0.1	0.2	0.2	<0.1	0.1	Yarwun
Lead & compounds	65.2	91.1	104.9	95.5	93.7	272.5	70.3	Brownsburg, Gomia, Kooragang Island, Weihai
Mercury & compounds	0	0	0.2	0.2	0.2	13	<0.1	Kooragang Island, Yarwun
Nitric acid	59	72	50.8	19.4	16	16	17	Kooragang Island
Total Nitrogen	32	210.3	265	199.1	227	214	144	Kooragang Island, Yarwun
Oxides of Nitrogen	2,623	3,256	3,097	3,284	2,475	1,526	1,233	Bontang, Brownsburg, Carseland, Gomia, Kooragang Island, Tappen, Wuergendorf, Yarwun
Particulate matter <2.5µm	138.6	140.4	183.7	43	79	76.2	61.0	Brownsburg, Kooragang Island, Tappen, Yarwun
Particulate matter <10µm	411.7	331.6	284.6	222.8	137.9	325	106	Brownsburg, Carseland, Gomia, Kooragang Island, Tappen, Yarwun
Total Phosphorus	3.2	3.3	1.6	2.5	6.3	1.9	1.9	Kooragang Island, Yarwun
Sulfur dioxide	106.5	215.3	251.5	142.3	108.9	226	50	Gomia, Kooragang Island, Yarwun
Volatile Organic Compounds (VOC)	197.5	121.5	143.2	136.9	221.7	3.1	215.5	Brownsburg, Deer Park, Fimiston, Gomia, Kalgoorlie, Kooragang Island, Kurri Kurri, Liddell, Tappen, Yarwun

2015 Chemical Substance Data does not include data for Chemical sites divested by Orica in February 2015.