

Iwaki plant : Air Quality (Air Pollution Control Law and ordinances, Agreement on environmental pollution control of Iwaki city)

Substance	Facilities	Legal Limits	Unit	FY2014 Measured Value (Max)	Remarks
Sulfur oxide (SOx)	Aluminum melting furnaces(1)	4.5	m3N/H	<0.03	
	Aluminum melting furnaces(2)	4.5	m3N/H	0.05	
	Aluminum chips melting furnaces	4.5	m3N/H	<0.04	
	Melting furnaces			-	
	Chiller-heater(1)	4.5	m3N/H	<0.02	
	Chiller-heater(2)	4.5	m3N/H	<0.01	
	Chiller-heater(3)	4.5	m3N/H	<0.01	
	Chiller-heater(4)	4.5	m3N/H	<0.01	
	Chiller-heater(5)	4.5	m3N/H	<0.01	
Soot and dust	Aluminum melting furnaces(1)	0.03	g/m3N	0.018	
	Aluminum melting furnaces(2)	0.03	g/m3N	0.008	
	Aluminum chips melting furnaces	0.03	g/m3N	0.003	
	Aluminum chips melting furnaces		--	--	
	Chiller-heater(1)	0.03	g/m3N	0.001	
	Chiller-heater(2)	0.03	g/m3N	<0.001	
	Chiller-heater(3)	0.03	g/m3N	<0.001	
	Chiller-heater(4)	0.03	g/m3N	<0.001	
	Chiller-heater(5)	0.03	g/m3N	0.002	
Nitrogen oxides (NOx)	Aluminum melting furnaces(1)	100	ppm	39	
	Aluminum melting furnaces(2)	100	ppm	34	
	Aluminum chips melting furnaces	100	ppm	40	
	Melting furnaces			-	
	Chiller-heater(1)	120	ppm	85	
	Chiller-heater(2)	120	ppm	76	
	Chiller-heater(3)	120	ppm	61	
	Chiller-heater(4)	120	ppm	64	
	Chiller-heater(5)	120	ppm	67	
Dioxins	Aluminum chips melting furnaces	1	ng-TEQ/m3N	0.011	