

Regulatory items for each site data (FY2024)

\*Items that are not subject to regulations or voluntary standards are marked "-".

Kokura No.1 Plant, TOTO LTD.

<Atmosphere related>			Measuring date : March 18-19, 2025						
Facility type	NOx (ppm)			SOx (m³N/h)			Dust (g/m³N)		
	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value
Firing furnace	180・200	135	21~<30	18	—	1.10	0.15・0.2	0.04	<0.007~0.016
Boiler	150・180	100	19~53	—	—	—	0.2	0.04	<0.002~<0.004
Cogeneration generator	950	900	805	—	—	—	0.08	0.07	0.006

<Water quality related >		*Public sewage		Measuring date : September 4, 2024	
Item	Unit	Regulatory value	Own standard	Measured value	
PH (hydrogen-ion concentration)	—	5.0~9.0	5.8~8.6	7.6	
Biochemical Oxygen Demand (BOD)	m g/l	600	300	2	
Chemical Oxygen Demand (COD)	m g/l	600	300	5.6	
Suspended Solids (SS)	m g/l	600	30	10	
n-hexane extract (paraffinum liquidum)	m g/l	5	—	<0.5	
Copper	m g/l	3	—	<0.1	
Zinc	m g/l	2	—	0.30	
Total chromium	m g/l	2	—	<0.1	
Total nitrogen	m g/l	—	—	—	
Total phosphorous	m g/l	1	—	<0.1	
Cadmium and its compounds	m g/l	0.03	—	<0.003	
Cyanogen compound	m g/l	1	—	<0.1	
Lead and its compound	m g/l	0.1	—	<0.01	
Hexavalent chromium compound	m g/l	0.5	—	<0.02	

Shiga Plant, TOTO LTD.

<Atmosphere related>			Measuring date : February 3-13,2025						
Facility type	NOx (ppm)			SOx (m³N/h)			Dust (g/m³N)		
	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value
Firing furnace	135	135	4~42	8.76	6.57	<0.02~2.00	0.2	0.15	<0.005~0.015
Boiler	112	112	26~29	—	—	—	0.2	0.15	<0.005
Cogeneration generator	450	450	160	—	—	—	0.04	0.04	<0.005

<Water quality related >		Making date : March 5, 2025			
Item	Unit	Regulatory value	Own standard	Measured value	
PH (hydrogen-ion concentration)	—	6.0~8.5	6.3~8.2	7.4~7.5	
Biochemical Oxygen Demand (BOD)	m g/l	20	15	1.2~2.2	
Chemical Oxygen Demand (COD)	m g/l	20	15	1.9~5.1	
Suspended Solids (SS)	m g/l	20	15	<1.0~3.3	
n-hexane extract (paraffinum liquidum)	m g/l	5	3.7	<0.5	
Copper	m g/l	1	0.7	<0.05	
Zinc	m g/l	1	0.75	<0.05~0.22	
Total chromium	m g/l	0.1	0.07	<0.01	
Total nitrogen	m g/l	12.0	9	0.8~0.85	
Total phosphorous	m g/l	0.8	0.6	<0.1	
Cadmium and its compounds	m g/l	0.01	0.008	<0.001	
Cyanogen compound	m g/l	0.1	0.08	<0.01	
Lead and its compound	m g/l	0.1	0.08	<0.01	
Hexavalent chromium compound	m g/l	0.05	0.038	<0.01	

Kokura No.2 Plant, TOTO LTD.

<Atmosphere related>			Making date : April 4 18, 2025						
Facility type	NOx (ppm)			SOx (m³N/h)			Dust (g/m³N)		
	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value
Metal melting furnace	—	—	—	—	—	—	0.1	0.05	<0.002
Boiler	150	60	16~22	1.75	—	—	0.05	0.03	—
Cogeneration generator	950	950	760~810	1.75	0.342	—	0.08	0.08	0.051~0.063

<Water quality related >		Making date : April 18 , 2025			
Item	Unit	Regulatory value	Own standard	Measured value	
PH (hydrogen-ion concentration)	—	5.8~8.6	—	7.44~8.13	
Biochemical Oxygen Demand (BOD)	m g/l	20	15	2.00	
Chemical Oxygen Demand (COD)	m g/l	20	15	4.90	
Suspended Solids (SS)	m g/l	60	50	1.51	
n-hexane extract (paraffinum liquidum)	m g/l	5	—	0.41	
Copper	m g/l	3	—	0.02	
Zinc	m g/l	5	—	0.11	
Total chromium	m g/l	2	—	0.02	
Total nitrogen	m g/l	120	60	1.050	
Total phosphorous	m g/l	16	8	0.020	
Cadmium and its compounds	m g/l	0.03	—	—	
Cyanogen compound	m g/l	1	—	—	
Lead and its compound	m g/l	0.1	—	0.0019	
Hexavalent chromium compound	m g/l	0.5	—	0.02	

Shiga No.2 Plant, TOTO LTD.

<Atmosphere related>			Measuring date : February 3-13,2025						
Facility type	NOx (ppm)			SOx (m³N/h)			Dust (g/m³N)		
	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value
Cold / hot water unit	195	195	54	17.5	13.20	<0.003	0.2	0.230	<0.005

<Water quality related >		*Not applicable			
Item	Unit	Regulatory value	Own standard	Measured value	
PH (hydrogen-ion concentration)	—	—	—	—	
Biochemical Oxygen Demand (BOD)	m g/l	—	—	—	
Chemical Oxygen Demand (COD)	m g/l	—	—	—	
Suspended Solids (SS)	m g/l	—	—	—	
n-hexane extract (paraffinum liquidum)	m g/l	—	—	—	
Copper	m g/l	—	—	—	
Zinc	m g/l	—	—	—	
Total chromium	m g/l	—	—	—	
Total nitrogen	m g/l	—	—	—	
Total phosphorous	m g/l	—	—	—	
Cadmium and its compounds	m g/l	—	—	—	
Cyanogen compound	m g/l	—	—	—	
Lead and its compound	m g/l	—	—	—	
Hexavalent chromium compound	m g/l	—	—	—	

Kokura No.2 Plant, TOTO LTD.

Making date : April 18, 2025

(h)	Dust (g/m <sup>3</sup> N)		
Measured value	Regulatory value	Own standard	Measured value
—	0.1	0.05	<0.002
—	0.05	0.03	—
—	0.08	0.08	0.051~0.063

<Noise>

Measuring date : May 15, 2024

	Unit	Regulatory value	Own standard	Measured value
morning	dB (A)	65	—	—
afternoon	dB (A)	65	—	48.9~63.0
evening	dB (A)	65	—	37.4~60.5
night	dB (A)	55	—	37.6~57.6

<Vibration>		Measuring date : May 13, 2024			
	Unit	Regulatory value	Own standard	Measured value	
afternoon	dB	65	—	10.2~31.2	
night	dB	60	—	10.0~24.4	

<Odor>  
\*Not applicable

<Noise>		Measuring date : February 20-21, 2025			
	Unit	Regulatory value	Own standard	Measured value	
morning	dB (A)	65	—	49~56	
afternoon	dB (A)	65	—	49~60	
evening	dB (A)	65	—	46~54	
night	dB (A)	55	—	43~54	

<Vibration>		Measuring date : February 20, 2025			
	Unit	Regulatory value	Own standard	Measured value	
afternoon	dB	65	—	19~38	
night	dB	60	—	—	

<Odor>  
\*Not applicable

<Vibration>		Measuring date : May 13, 2024			
	Unit	Regulatory value	Own standard	Measured value	
afternoon	dB	65	—	10.2~31.2	
night	dB	60	—	10.0~24.4	

<Odor>  
\*Not applicable

Chigasaki Plant, TOTO LTD.

<Atmosphere related>

Facility type	NOx (ppm)			SOx (m³N/h)			Dust (g/m³N)		
	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value
No applicable facility	—	—	—	—	—	—	—	—	—

<Water quality related >      \*Not applicable

Item	Unit	Regulatory value	Own standard	Measured value
PH (hydrogen-ion concentration)	—	5~9	5.3~8.8	7.1
Biochemical Oxygen Demand (BOD)	m g/l	600	480	3.1
Chemical Oxygen Demand (COD)	m g/l	—	—	—
Suspended Solids (SS)	m g/l	600	480	2.3
n-hexane extract (paraffinum liquidum)	m g/l	30	21	<1.0
Copper	m g/l	1	0.8	<0.01
Zinc	m g/l	1	0.8	0.14
Total chromium	m g/l	2	1.6	<0.04
Total nitrogen	m g/l	125	93.8	—
Total phosphorous	m g/l	—	—	0.10
Cadmium and its compounds	m g/l	0.03	0.024	<0.003
Cyanogen compound	m g/l	1	0.75	<0.01
Lead and its compound	m g/l	0.1	0.08	<0.005
Hexavalent chromium compound	m g/l	0.5	0.38	<0.04

Aichi Plant, TOTO SANITECHNO LTD.

<Atmosphere related>

Facility type	NOx (ppm)			SOx (m³N/h)			Dust (g/m³N)		
	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value
Firing furnace	180	108	50	0.68	0.272	0.05	0.25	0.1	0.014
Boiler	150	90	49~67	0.045	0.027	0.02	0.1	0.04	0.01~0.005
Water heater	150	60	18	0.045	0.027	0.02	0.1	0.04	0.005

<Water quality related >

Item	Unit	Regulatory value	Own standard	Measured value
PH (hydrogen-ion concentration)	—	8.6	8.3	7.8
Biochemical Oxygen Demand (BOD)	m g/l	25	10	1.8
Chemical Oxygen Demand (COD)	m g/l	160	64	7.6
Suspended Solids (SS)	m g/l	150	60	1
n-hexane extract (paraffinum liquidum)	m g/l	2	1.2	1.0
Copper	m g/l	3	1.2	0.01
Zinc	m g/l	2	1.2	0.2
Total chromium	m g/l	2	0.8	0.04
Total nitrogen	m g/l	120	48	2.0
Total phosphorous	m g/l	16	6.4	0.07
Cadmium and its compounds	m g/l	0.03	0.012	—
Cyanogen compound	m g/l	1	0.4	—
Lead and its compound	m g/l	0.1	0.04	—
Hexavalent chromium compound	m g/l	0.5	0.2	—

<Noise>

	Unit	Regulatory value	Own standard	Measured value
morning	dB (A)	62.5~75.0	62.5~75.0	45.2~56.5
afternoon	dB (A)	65.0~75.0	65.0~75.0	48.2~60.1
evening	dB (A)	62.5~75.0	62.5~75.0	34.6~55.0
night	dB (A)	55.0~65.0	55.0~65.0	38.1~50.3

<Vibration>

	Unit	Regulatory value	Own standard	Measured value
afternoon	dB	65~70	60~70	33.2~38.4
night	dB	60~65	55~65	32.0~41.5

<Odor>

\*Not applicable

<Noise>

	Unit	Regulatory value	Own standard	Measured value
morning	dB (A)	55	55	43.9~59.2
afternoon	dB (A)	60	60	46.1~57.2
evening	dB (A)	55	55	41.2~53.4
night	dB (A)	50	50	31.6~52.6

<Vibration>

	Unit	Regulatory value	Own standard	Measured value
afternoon	dB	65	52	29~36
night	dB	60	48	26~37

<Odor>

\*Not applicable

Noise data exceeded the regulation value at some measurement points.  
We are implementing measures to comply with the regulation values.

Oita Plant, TOTO AQUATECHNO LTD.

<Atmosphere related>

Facility type	NOx (ppm)			SOx (m³N/h)			Dust (g/m³N)		
	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value
Metal melting furnace	—	—	—	—	—	—	0.05	0.05	—
Boiler	37.5	37.5	23.0	2.34	0.28	0.0002	0.05	0.05	—
Water heater	100	100	29~30	2.3	0.560	0.0002	0.03	0.0300	—

<Water quality related >

Item	Unit	Regulatory value	Own standard	Measured value
PH (hydrogen-ion concentration)	—	5.8~8.6	6.0~8.4	6.9~7.5
Biochemical Oxygen Demand (BOD)	m g/l	15	13.5	0.3~2.8
Chemical Oxygen Demand (COD)	m g/l	15	10	2.3~7.4
Suspended Solids (SS)	m g/l	15	10	0.1~1.0
n-hexane extract (paraffinum liquidum)	m g/l	2	1.5	0.0
Copper	m g/l	3	2	0.2
Zinc	m g/l	2	1.5	0.0~0.5
Total chromium	m g/l	2	0.3	0.2
Total nitrogen	m g/l	10	9	2.8~5.5
Total phosphorous	m g/l	3	2.5	0.3~0.7
Cadmium and its compounds	m g/l	0.1	—	—
Cyanogen compound	m g/l	1	—	—
Lead and its compound	m g/l	0.1	0.08	0.01~0.04
Hexavalent chromium compound	m g/l	Not detected	Not detected	Not detected

HQ / Nakatsu Plant, TOTO SANITECHNO LTD.

<Atmosphere related>

Facility type	NOx (ppm)			SOx (m³N/h)			Dust (g/m³N)		
	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value
Firing furnace	180~200	75	>13~58	17.5	4	0.225~2.3	0.25	0.05	<0.002~0.003
Boiler	150	75	26~32	—	—	—	0.1	0.01	<0.002
Cogeneration generator	950	800	—	17.5	1	—	0.1	0.05	—

<Water quality related >

Item	Unit	Regulatory value	Own standard	Measured value
PH (hydrogen-ion concentration)	—	5.8~8.6	6.5~8.2	7.9
Biochemical Oxygen Demand (BOD)	m g/l	160	16	2.5
Chemical Oxygen Demand (COD)	m g/l	160	10	2.7
Suspended Solids (SS)	m g/l	200	15	4.3
n-hexane extract (paraffinum liquidum)	m g/l	5	1.5	<0.5
Copper	m g/l	—	—	—
Zinc	m g/l	2	0.9	0.1
Total chromium	m g/l	—	—	—
Total nitrogen	m g/l	120	20	6.3
Total phosphorous	m g/l	16	1	0.0
Cadmium and its compounds	m g/l	—	—	—
Cyanogen compound	m g/l	—	—	—
Lead and its compound	m g/l	—	—	—
Hexavalent chromium compound	m g/l	—	—	—

<Noise>

	Unit	Regulatory value	Own standard	Measured value
morning	dB (A)	65	60	49~55
afternoon	dB (A)	70	60	48~56
evening	dB (A)	65	60	43~53
night	dB (A)	55	50	44~49

<Vibration>

	Unit	Regulatory value	Own standard	Measured value
afternoon	dB	70	65	19~27
night	dB	65	60	19~35

<Odor>

\*Not applicable

<Noise>

	Unit	Regulatory value	Own standard	Measured value
morning	dB (A)	70	63	52.1~61.8
afternoon	dB (A)	70	67	55.2~66.4
evening	dB (A)	70	63	55.0~62.8
night	dB (A)	65	57	48.5~54.8

<Vibration>

	Unit	Regulatory value	Own standard	Measured value
afternoon	dB	70	63	27.7~30.4
night	dB	65	58	28.0~34.0

<Odor>

\*Not applicable

Toki Plant, TOTO WASHLET TECHNO LTD.

<Atmosphere related>									
Facility type	NOx (ppm)			SOx (m³N/h)			Dust (g/m³N)		
	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value
No applicable facility	—	—	—	—	—	—	—	—	—

<Water quality related > Measuring date : October 7, 2024				
Item	Unit	Regulatory value	Own standard	Measured value
PH (hydrogen-ion concentration)	—	5.8~8.6	—	6.2
Biochemical Oxygen Demand (BOD)	m g/l	160	—	50
Chemical Oxygen Demand (COD)	m g/l	160	—	22
Suspended Solids (SS)	m g/l	200	—	8
n-hexane extract (paraffinum liquidum)	m g/l	—	—	—
Copper	m g/l	3	—	—
Zinc	m g/l	2	—	—
Total chromium	m g/l	—	—	—
Total nitrogen	m g/l	120.0	—	34
Total phosphorous	m g/l	16	—	5.9
Cadmium and its compounds	m g/l	—	—	—
Cyanogen compound	m g/l	—	—	—
Lead and its compound	m g/l	0.1	—	—
Hexavalent chromium compound	m g/l	—	—	—

HQ / Sakura Plant, TOTO Bath Create LTD.

<Atmosphere related> Measuring date : February 6, 2025									
Facility type	NOx (ppm)			SOx (m³N/h)			Dust (g/m³N)		
	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value
Boiler	150	81	20~23	0.61	0.01	0.001~0.002	0.1	0.002	0.0007~0.0011
Cold / hot water generator	150	53	25	—	—	—	0.1	0.003	0.0008

<Water quality related > Measuring date : February 3, 2025				
Item	Unit	Regulatory value	Own standard	Measured value
PH (hydrogen-ion concentration)	—	6.5~8.5	6.8~8.2	7.8
Biochemical Oxygen Demand (BOD)	m g/l	5	3.0	1.0
Chemical Oxygen Demand (COD)	m g/l	5	3.4	3.0
Suspended Solids (SS)	m g/l	10	4.0	4.6
n-hexane extract (paraffinum liquidum)	m g/l	—	—	—
Copper	m g/l	—	—	—
Zinc	m g/l	—	—	—
Total chromium	m g/l	—	—	—
Total nitrogen	m g/l	—	—	—
Total phosphorous	m g/l	—	—	—
Cadmium and its compounds	m g/l	—	—	—
Cyanogen compound	m g/l	—	—	—
Lead and its compound	m g/l	—	—	—
Hexavalent chromium compound	m g/l	—	—	—

<Noise> Measuring date : February 27, 2025				
	Unit	Regulatory value	Own standard	Measured value
morning	dB (A)	60	—	32~50
afternoon	dB (A)	65	—	49~56
evening	dB (A)	60	—	31~47
night	dB (A)	50	—	31~45

<Vibration> Measuring date : February 27, 2025				
	Unit	Regulatory value	Own standard	Measured value
afternoon	dB	70	—	<30
night	dB	65	—	<30

<Odor>  
\*Not applicable

<Noise> Measuring date : October 17-18, 2024				
	Unit	Regulatory value	Own standard	Measured value
morning	dB (A)	60	—	40.9~57.6
afternoon	dB (A)	65	—	40.4~56.4
evening	dB (A)	60	—	41.6~53.6
night	dB (A)	55	—	38.2~51.4

<Vibration> Measuring date : October 17, 2024				
	Unit	Regulatory value	Own standard	Measured value
afternoon	dB	60	—	29.4~42.2
night	dB	—	—	

<Odor>  
\*Not applicable

Ako Plant, TOTO Bath Create LTD.

<Atmosphere related>									
Facility type	NOx (ppm)			SOx (m³N/h)			Dust (g/m³N)		
	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value
No applicable facility	—	—	—	—	—	—	—	—	—

<Water quality related > *Not applicable				
Item	Unit	Regulatory value	Own standard	Measured value
PH (hydrogen-ion concentration)	—	—	—	—
Biochemical Oxygen Demand (BOD)	m g/l	—	—	—
Chemical Oxygen Demand (COD)	m g/l	—	—	—
Suspended Solids (SS)	m g/l	—	—	—
n-hexane extract (paraffinum liquidum)	m g/l	—	—	—
Copper	m g/l	—	—	—
Zinc	m g/l	—	—	—
Total chromium	m g/l	—	—	—
Total nitrogen	m g/l	—	—	—
Total phosphorous	m g/l	—	—	—
Cadmium and its compounds	m g/l	—	—	—
Cyanogen compound	m g/l	—	—	—
Lead and its compound	m g/l	—	—	—
Hexavalent chromium compound	m g/l	—	—	—

HQ / Mobara Plant, TOTO High Living LTD.

<Atmosphere related> Measuring date : January, 2025									
Facility type	NOx (ppm)			SOx (m³N/h)			Dust (g/m³N)		
	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value
Boiler	150	100	24~29	—	—	—	0.1	0.06	0.005

<Water quality related > Measuring date : January 17, 2025				
Item	Unit	Regulatory value	Own standard	Measured value
PH (hydrogen-ion concentration)	—	5.8~8.6	6~8	7.0
Biochemical Oxygen Demand (BOD)	m g/l	20	18	1.0
Chemical Oxygen Demand (COD)	m g/l	20	18	1.3
Suspended Solids (SS)	m g/l	40	36	0.2
n-hexane extract (paraffinum liquidum)	m g/l	—	—	—
Copper	m g/l	1	0.6	0.02
Zinc	m g/l	1	0.8	0.04
Total chromium	m g/l	0.5	0.3	0.02
Total nitrogen	m g/l	—	—	—
Total phosphorous	m g/l	—	—	—
Cadmium and its compounds	m g/l	0.01	0.006	0.001
Cyanogen compound	m g/l	—	—	—
Lead and its compound	m g/l	0.1	0.07	0.01
Hexavalent chromium compound	m g/l	0.05	0.03	0.005

<Noise> Measuring date : March 5-6, 2025				
	Unit	Regulatory value	Own standard	Measured value
morning	dB (A)	70	—	50.5~57.4
afternoon	dB (A)	70	—	53.7~58.3
evening	dB (A)	70	—	49.3~56.3
night	dB (A)	70	—	47.6~56.8

<Vibration> *Not applicable				
	Unit	Regulatory value	Own standard	Measured value
afternoon	dB	—	—	—
night	dB	—	—	—

<Odor>  
\*Not applicable

<Noise> Measuring date : November 7, 2024				
	Unit	Regulatory value	Own standard	Measured value
morning	dB (A)	55	—	38.3~52.7
afternoon	dB (A)	60	—	42.5~52.4
evening	dB (A)	55	—	39.0~47.7
night	dB (A)	50	—	—

<Vibration> Measuring date : November 7, 2024				
	Unit	Regulatory value	Own standard	Measured value
afternoon	dB	60	—	25.0
night	dB	55	—	—

<Odor>  
\*Not applicable

HQ / Nakatsu Plant, TOTO Fine Ceramics LTD.

<Atmosphere related>			Making date : March 26, 2025						
Facility type	NOx (ppm)			SOx (m³N/h)			Dust (g/m³N)		
	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value
Firing furnace	180	162	23~34	—	—	—	0.25	0.10	0.002
Cogeneration generator (Stopping)	950	855	—	17.5	—	—	0.10	0.090	—

<Water quality related >Measuring date : February 5, 2025 (BOD,Total nitrogen,Total phosphorous ; January)				
Item	Unit	Regulatory value	Own standard	Measured value
PH (hydrogen-ion concentration)	—	6.0~8.5	6.5~8.2	7.6
Biochemical Oxygen Demand (BOD)	m g/l	—	30	1.8
Chemical Oxygen Demand (COD)	m g/l	8	6.5	2.8
Suspended Solids (SS)	m g/l	13	10	4.6
n-hexane extract (paraffinum liquidum)	m g/l	—	1.6	<1.0
Copper	m g/l	—	—	—
Zinc	m g/l	—	—	—
Total chromium	m g/l	—	—	—
Total nitrogen	m g/l	—	17	3.9
Total phosphorous	m g/l	—	2	0.06
Cadmium and its compounds	m g/l	—	—	—
Cyanogen compound	m g/l	—	—	—
Lead and its compound	m g/l	—	—	—
Hexavalent chromium compound	m g/l	—	—	—

Katsuura Plant, TOTO Platechno LTD.

<Atmosphere related>									
Facility type	NOx (ppm)			SOx (m³N/h)			Dust (g/m³N)		
	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value
Boiler(Stopping)	180	135	—	0.63	0.4725	—	0.15	0.1125	—

<Water quality related >Measuring date : March 7, 2025				
Item	Unit	Regulatory value	Own standard	Measured value
PH (hydrogen-ion concentration)	—	5.8~8.6	5.8~8.6	7.7
Biochemical Oxygen Demand (BOD)	m g/l	50	37.5	4
Chemical Oxygen Demand (COD)	m g/l	50	37.5	5
Suspended Solids (SS)	m g/l	110	82.5	2
n-hexane extract (paraffinum liquidum)	m g/l	5	3.8	<1
Copper	m g/l	3	2.3	<0.02
Zinc	m g/l	5	3.8	<0.005
Total chromium	m g/l	2	1.5	<0.02
Total nitrogen	m g/l	120	90	0.8
Total phosphorous	m g/l	16	12	0.0
Cadmium and its compounds	m g/l	0.03	0.0075	<0.005
Cyanogen compound	m g/l	Not detected	Not detected	Not detected
Lead and its compound	m g/l	0.01	0.0075	<0.01
Hexavalent chromium compound	m g/l	0.05	0.0375	<0.05

<Noise>Measuring date:November22, 2024				
	Unit	Regulatory value	Own standard	Measured value
morning	dB (A)	65	65	50.9~59.6
afternoon	dB (A)	70	70	54.7~61.9
evening	dB (A)	65	65	45.5~59.5
night	dB (A)	60	60	45.7~58.9

<Vibration>Measuring date:November22, 2024				
	Unit	Regulatory value	Own standard	Measured value
afternoon	dB	65	65	33.1~54.1
night	dB	60	60	25.4~30.3

<Odor>  
\*Not applicable

HQ / Buzen Plant, TOTO Platechno LTD.

<Atmosphere related>			Measuring date : January 14, 2025						
Facility type	NOx (ppm)			SOx (m³N/h)			Dust (g/m³N)		
	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value
Boiler	180	135	52~54	17.5	13.125	<0.010	0.15	0.1125	<0.003

ND=Below minimum set amount

<Water quality related >*Not applicable				
Item	Unit	Regulatory value	Own standard	Measured value
PH (hydrogen-ion concentration)	—	5.8~8.6	6.1~8.2	—
Biochemical Oxygen Demand (BOD)	m g/l	60	45	—
Chemical Oxygen Demand (COD)	m g/l	10	10	—
Suspended Solids (SS)	m g/l	10	7.5	—
n-hexane extract (paraffinum liquidum)	m g/l	5	4	—
Copper	m g/l	3	2.3	—
Zinc	m g/l	2	1.5	—
Total chromium	m g/l	2	1.5	—
Total nitrogen	m g/l	60	45	—
Total phosphorous	m g/l	8	6	—
Cadmium and its compounds	m g/l	0.03	0.0	—
Cyanogen compound	m g/l	1	0.8	—
Lead and its compound	m g/l	0.1	0.1	—
Hexavalent chromium compound	m g/l	0.5	0.4	—

<Noise>Measuring date : June 16, 2024				
	Unit	Regulatory value	Own standard	Measured value
morning	dB (A)	70	70	48~66
afternoon	dB (A)	70	70	46~62
evening	dB (A)	70	70	42~52
night	dB (A)	65	65	48~56

<Vibration>Measuring date : June 16, 2024				
	Unit	Regulatory value	Own standard	Measured value
afternoon	dB	65	65	26~40
night	dB	60	60	<25~38

<Odor>Measuring date : June 11, 2024				
Regulated substances	Unit	Regulatory value	Own standard	Measured value
Styrene	ppm	0.4	—	<0.04
Toluene	ppm	10	—	<1
Xylene	ppm	1	—	<0.1
Methanethiol	ppm	0.002	—	—
Hydrogen sulfide	ppm	0.02	—	—
Methyl dioxide	ppm	0.009	—	—

Kanda Plant, TOTO Platechno LTD.

<Atmosphere related>									
Facility type	NOx (ppm)			SOx (m³N/h)			Dust (g/m³N)		
	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value
No applicable facility	—	—	—	—	—	—	—	—	—

<Water quality related >Measuring date : March, 2024				
Item	Unit	Regulatory value	Own standard	Measured value
PH (hydrogen-ion concentration)	—	5.8~8.6	5.8~8.6	7.0
Biochemical Oxygen Demand (BOD)	m g/l	160	—	—
Chemical Oxygen Demand (COD)	m g/l	160	50	1.5
Suspended Solids (SS)	m g/l	200	70	<0.5
n-hexane extract (paraffinum liquidum)	m g/l	5	2	<0.5
Copper	m g/l	3	—	—
Zinc	m g/l	2	—	—
Total chromium	m g/l	2	—	—
Total nitrogen	m g/l	120	120	<0.5
Total phosphorous	m g/l	16	16	<0.1
Cadmium and its compounds	m g/l	0.03	—	—
Cyanogen compound	m g/l	1	—	—
Lead and its compound	m g/l	0.1	—	—
Hexavalent chromium compound	m g/l	0.5	—	—

<Noise>Measuring date : February, 2025				
	Unit	Regulatory value	Own standard	Measured value
morning	dB (A)	55	—	49~52
afternoon	dB (A)	55	—	45~54
evening	dB (A)	55	—	41~51
night	dB (A)	50	—	43~48

<Vibration>*Not applicable				
	Unit	Regulatory value	Own standard	Measured value
afternoon	dB	—	—	—
night	dB	—	—	—

<Odor>Measuring date : February, 2025				
Regulated substances	Unit	Regulatory value	Own standard	Measured value
North 1F Cleaning room discharge vent	ppm	35	—	—
North 1F Rubber role machine discharge vent	ppm	35	—	14
East 3F Printing Room discharge vent	ppm	33	—	2
Final discharge vent of plant	ppm	28	—	3

Nara Plant, TOTO Platechno LTD.

<Atmosphere related>

Facility type	NOx (ppm)			SOx (m³N/h)			Dust (g/m³N)		
	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value
No applicable facility	—	—	—	—	—	—	—	—	—

<Water quality related > \*Not applicable

Item	Unit	Regulatory value	Own standard	Measured value
PH (hydrogen-ion concentration)	—	—	—	—
Biochemical Oxygen Demand (BOD)	m g /l	—	—	—
Chemical Oxygen Demand (COD)	m g /l	—	—	—
Suspended Solids (SS)	m g /l	—	—	—
n-hexane extract (paraffinum liquidum)	m g /l	—	—	—
Copper	m g /l	—	—	—
Zinc	m g /l	—	—	—
Total chromium	m g /l	—	—	—
Total nitrogen	m g /l	—	—	—
Total phosphorous	m g /l	—	—	—
Cadmium and its compounds	m g /l	—	—	—
Cyanogen compound	m g /l	—	—	—
Lead and its compound	m g /l	—	—	—
Hexavalent chromium compound	m g /l	—	—	—

TOTO USA.,INC Morrow Plant

<Atmosphere related> \*Not applicable

Facility type	NOx (ppm)			SOx (m³N/h)			Dust (g/m³N)		
	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value
No applicable facility	—	—	—	—	—	—	—	—	—

<Water quality related > ND=Below minimum set amount

Item	Unit	Regulatory value	Own standard	Measured value
PH (hydrogen-ion concentration)	—	5 ~ 12.5	—	10.0
Biochemical Oxygen Demand (BOD)	m g /l	3,112	—	BRL
Chemical Oxygen Demand (COD)	m g /l	250.0	—	58
Suspended Solids (SS)	m g /l	5,644	—	252
n-hexane extract (paraffinum liquidum)	m g /l	—	—	—
Copper	m g /l	—	—	—
Zinc	m g /l	5.36	—	1.320
Total chromium	m g /l	—	—	—
Total nitrogen	m g /l	228	—	0.727
Total phosphorous	m g /l	38.6	—	0.260
Cadmium and its compounds	m g /l	—	—	—
Cyanogen compound	m g /l	—	—	—
Lead and its compound	m g /l	—	—	—
Hexavalent chromium compound	m g /l	—	—	—

<Noise> Measuring date : October 25, 2024

	Unit	Regulatory value	Own standard	Measured value
morning	dB (A)	65	—	40~51
afternoon	dB (A)	70	—	52~56
evening	dB (A)	65	—	38~55
night	dB (A)	55	—	40~52

<Vibration> Measuring date : October 25, 2024

	Unit	Regulatory value	Own standard	Measured value
afternoon	dB	65	—	<30~38
night	dB	60	—	<30

<Odor> Measuring date : October 25, 2024

Regulated substances	Unit	Regulatory value	Own standard	Measured value
Styrene	ppm	0.8	—	<0.08

<Noise>

	Unit	Regulatory value	Own standard	Measured value
morning	dB (A)	90.0	—	59~83
afternoon	dB (A)	—	—	—
evening	dB (A)	—	—	—
night	dB (A)	—	—	—

<Vibration> \*Not applicable

	Unit	Regulatory value	Own standard	Measured value
afternoon	dB	—	—	—
night	dB	—	—	—

<Odor>

\*Not applicable

HQ / Toki Plant, TOTO Materia LTD.

<Atmosphere related>

Facility type	NOx (ppm)			SOx (m³N/h)			Dust (g/m³N)		
	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value
Hardening furnace	180	—	3.1	6.33	—	0.05	0.2	—	0.02
Continuous firing furnace	180	—	3.5~4.5	1.37	—	0.06	0.2	—	0.01~0.02

<Water quality related > Making date : February 10, 2025

Item	Unit	Regulatory value	Own standard	Measured value
PH (hydrogen-ion concentration)	—	5.8~8.6	—	7.2
Biochemical Oxygen Demand (BOD)	m g /l	160	—	8.0
Chemical Oxygen Demand (COD)	m g /l	160	—	6.2
Suspended Solids (SS)	m g /l	200	—	2.0
n-hexane extract (paraffinum liquidum)	m g /l	—	—	—
Copper	m g /l	3	—	<0.01
Zinc	m g /l	2	—	0.28
Total chromium	m g /l	—	—	—
Total nitrogen	m g /l	120	—	0.68
Total phosphorous	m g /l	16	—	0.013
Cadmium and its compounds	m g /l	—	—	—
Cyanogen compound	m g /l	—	—	—
Lead and its compound	m g /l	0.1	—	<0.01
Hexavalent chromium compound	m g /l	—	—	—

TOTO USA.,INC Lakewood Plant

<Atmosphere related> \*Not applicable

Facility type	NOx (ppm)			SOx (m³N/h)			Dust (g/m³N)		
	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value
No applicable facility	—	—	—	—	—	—	—	—	—

<Water quality related > ND=Below minimum set amount

Item	Unit	Regulatory value	Own standard	Measured value
PH (hydrogen-ion concentration)	—	5 ~ 12.5	—	7.8
Biochemical Oxygen Demand (BOD)	m g /l	3,112	—	6
Chemical Oxygen Demand (COD)	m g /l	250.0	—	62.3
Suspended Solids (SS)	m g /l	5,644	—	BRL
n-hexane extract (paraffinum liquidum)	m g /l	—	—	—
Copper	m g /l	—	—	—
Zinc	m g /l	4.473	—	0.01
Total chromium	m g /l	—	—	—
Total nitrogen	m g /l	228	—	1
Total phosphorous	m g /l	10	—	0.056
Cadmium and its compounds	m g /l	—	—	—
Cyanogen compound	m g /l	—	—	—
Lead and its compound	m g /l	—	—	—
Hexavalent chromium compound	m g /l	—	—	—

<Noise> Making date : January 23, 2025

	Unit	Regulatory value	Own standard	Measured value
morning	dB (A)	60	—	—
afternoon	dB (A)	65	—	52~57
evening	dB (A)	60	—	—
night	dB (A)	50	—	—

<Vibration> Making date : January 23, 2025

	Unit	Regulatory value	Own standard	Measured value
afternoon	dB	65	—	<30~44
night	dB	60	—	—

<Odor>

\*Not applicable

<Noise>

	Unit	Regulatory value	Own standard	Measured value
morning	dB (A)	90.0	—	53~63
afternoon	dB (A)	—	—	—
evening	dB (A)	—	—	—
night	dB (A)	—	—	—

<Vibration> \*Not applicable

	Unit	Regulatory value	Own standard	Measured value
afternoon	dB	—	—	—
night	dB	—	—	—

<Odor>

\*Not applicable

TOTO MEXICO, S.A. DE C.V.

<Atmosphere related>

Facility type	NOx (ppm)			SOx (m³N/h)			Dust (g/m³N)		
	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value
Firing furnace	—	—	—	—	—	—	557.3~1111.4	—	0.094~3.64

<Water quality related >

Item	Unit	Regulatory value	Own standard	Measured value
PH (hydrogen-ion concentration)	—	5~10	—	7.4
Biochemical Oxygen Demand (BOD)	m g/l	—	—	<4
Chemical Oxygen Demand (COD)	m g/l	—	—	<30
Suspended Solids (SS)	ml/l	10.0	—	<10
n-hexane extract (paraffinum liquidum)	m g/l	15	—	8.1
Copper	m g/l	4	—	<0.04
Zinc	m g/l	10	—	0.07
Total chromium	m g/l	0.5	—	0.10
Total nitrogen	m g/l	—	—	—
Total phosphorous	m g/l	—	—	<1
Cadmium and its compounds	m g/l	—	—	—
Cyanogen compound	m g/l	—	—	—
Lead and its compound	m g/l	—	—	—
Hexavalent chromium compound	m g/l	—	—	—

TOTO DALIAN CO., LTD.

<Atmosphere related>

Facility type	NOx (ppm)			SOx (m³N/h)			Dust (g/m³N)		
	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value
Firing furnace	400.0	320.0	<3	100	80	<3	30	24	5.7~6.7
Boiler	200	160	3	50	40	<3	20	16	19.3
Firing furnace	400	320	<3	100	80	<3	120	96	8.8
Dust collector	200	160	<3	—	—	—	—	—	—

<Water quality related >

Item	Unit	Regulatory value	Own standard	Measured value
PH (hydrogen-ion concentration)	—	6 ~ 9	6.5 ~ 8.5	7.4
Biochemical Oxygen Demand (BOD)	m g/l	—	—	—
Chemical Oxygen Demand (COD)	m g/l	—	—	—
Suspended Solids (SS)	m g/l	—	—	—
n-hexane extract (paraffinum liquidum)	m g/l	—	—	—
Copper	m g/l	0.5	0.4	<0.05
Zinc	m g/l	1.5	1.2	<0.05
Total chromium	m g/l	1	0.8	<0.004
Total nitrogen	m g/l	—	—	—
Total phosphorous	m g/l	—	—	—
Cadmium and its compounds	m g/l	0.05	0.04	<0.001
Cyanogen compound	m g/l	0.3	0.24	<0.001
Lead and its compound	m g/l	0.2	0.16	<0.01
Hexavalent chromium compound	m g/l	0.2	0.16	<0.004

<Noise>

	Unit	Regulatory value	Own standard	Measured value
morning	dB (A)	68	68	59
afternoon	dB (A)	—	—	—
evening	dB (A)	65	65	58
night	dB (A)	—	—	—

<Vibration>        \*Not applicable

	Unit	Regulatory value	Own standard	Measured value
afternoon	dB	—	—	—
night	dB	—	—	—

<Odor>

  \*Not applicable

TOTO (Beijing) Co., Ltd.

<Atmosphere related>

Facility type	NOx (ppm)			SOx (m³N/h)			Dust (g/m³N)		
	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value
Firing furnace	100	90	9~34	20	18	<3	10	9	2.1~2.4
Boiler	80	72	15~22	10	9	<3	5	4.5	2.1~2.7
Cogeneration generator	80	72	20~29	10	9	<3	5	4.5	2.2~3.0

<Water quality related >

Item	Unit	Regulatory value	Own standard	Measured value
PH (hydrogen-ion concentration)	—	6 ~ 9	6.5 ~ 8.5	7.3
Biochemical Oxygen Demand (BOD)	m g/l	40	36	10.9
Chemical Oxygen Demand (COD)	m g/l	110	99	34.0
Suspended Solids (SS)	m g/l	120	108	4.0
n-hexane extract (paraffinum liquidum)	m g/l	10	9	0.09
Copper	m g/l	1	0.9	0.00
Zinc	m g/l	—	—	—
Total chromium	m g/l	—	—	—
Total nitrogen	m g/l	40	36	12.20
Total phosphorous	m g/l	3	2.7	0.02
Cadmium and its compounds	m g/l	—	—	—
Cyanogen compound	m g/l	—	—	—
Lead and its compound	m g/l	—	—	—
Hexavalent chromium compound	m g/l	—	—	—

NANJING TOTO CO., LTD.

<Atmosphere related>

Facility type	N O x    (m g/m3)			S O x    (m g/m3)			Dust    (m g/m3)		
	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value
Firing furnace	—	—	54.0	—	—	—	20	—	N.D

<Water quality related >

Item	Unit	Regulatory value	Own standard	Measured value
PH (hydrogen-ion concentration)	—	6 ~ 9	6 ~ 9	7.2
Biochemical Oxygen Demand (BOD)	m g/l	—	—	—
Chemical Oxygen Demand (COD)	m g/l	500	300	31
Suspended Solids (SS)	m g/l	400	360	45
n-hexane extract (paraffinum liquidum)	m g/l	—	—	—
Copper	m g/l	—	—	—
Zinc	m g/l	—	—	—
Total chromium	m g/l	—	—	—
Total nitrogen	m g/l	—	—	—
Total phosphorous	m g/l	4.0	-	2.96
Cadmium and its compounds	m g/l	—	—	—
Cyanogen compound	m g/l	—	—	—
Lead and its compound	m g/l	—	—	—
Hexavalent chromium compound	m g/l	—	—	—

<Noise>

	Unit	Regulatory value	Own standard	Measured value
morning	dB (A)	—	—	—
afternoon	dB (A)	60	—	55 ~ 58
evening	dB (A)	—	—	—
night	dB (A)	50	—	45 ~ 48

<Vibration>        \*Not applicable

	Unit	Regulatory value	Own standard	Measured value
afternoon	dB	—	—	—
night	dB	—	—	—

<Odor>

  \*Not applicable

<Noise>

	Unit	Regulatory value	Own standard	Measured value
morning	dB (A)	—	—	—
afternoon	dB (A)	65	—	55~64
evening	dB (A)	—	—	—
night	dB (A)	55	—	47~54

<Vibration>        \*Not applicable

	Unit	Regulatory value	Own standard	Measured value
afternoon	dB	—	—	—
night	dB	—	—	—

<Odor>

  \*Not applicable

<Vibration>        \*Not applicable

	Unit	Regulatory value	Own standard	Measured value
afternoon	dB	—	—	—
night	dB	—	—	—

<Odor>

Regulated substances	Unit	Regulatory value	Own standard	Measured value
Non-methane hydrocarbon	mg/m3	4.0	—	1.12~1.48

TOTO EAST CHINA CO., LTD.

<Atmosphere related>

Facility type	NOx (ppm)			SOx (m³N/h)			Dust (g/m³N)		
	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value
Firing furnace	180	135	21~73	50	37.5	<3	30	22.5	<1.0~20.7
Boiler	50	37.5	9~34	10	7.5	<3	10	7.5	<1.0~3.5
Dust collector	—	—	—	—	—	—	20.0	15.0	<1.0

<Water quality related >

Item	Unit	Regulatory value	Own standard	Measured value
PH (hydrogen-ion concentration)	—	6 ~ 9	6 ~ 8	7.7~8.2
Biochemical Oxygen Demand (BOD)	m g/l	40	30	0.5~22.9
Chemical Oxygen Demand (COD)	m g/l	110	82.5	13~68
Suspended Solids (SS)	m g/l	120	90	2~11
n-hexane extract (paraffinum liquidum)	m g/l	10	7.5	0.03~0.98
Copper	m g/l	10	7.5	0.000
Zinc	m g/l	4	3	0.005~0.02
Total chromium	m g/l	—	—	—
Total nitrogen	m g/l	40	30	3.74~4.46
Total phosphorous	m g/l	3	2.25	0.005~0.02
Cadmium and its compounds	m g/l	—	—	—
Cyanogen compound	m g/l	—	—	—
Lead and its compound	m g/l	—	—	—
Hexavalent chromium compound	m g/l	—	—	—

TOTO (FUJIAN) CO., LTD.

<Atmosphere related>

Facility type	NOx (ppm)			SOx (m³N/h)			Dust (g/m³N)		
	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value
Firing furnace	180	150.0	10~75	50	42.0	<3~30	30	25.0	1.4~4.9
Boiler	200	170	13.7~165	50	42	<3~26	20	17	<1
Drying machine	180	150	<3~4.3	50	42	<3	30	25	0.55~1.87
Dust collector	—	—	—	—	—	—	120.0	—	<1

<Water quality related >

Item	Unit	Regulatory value	Own standard	Measured value
PH (hydrogen-ion concentration)	—	9.0	8.5	7.1
Biochemical Oxygen Demand (BOD)	m g/l	40	34.0	5
Chemical Oxygen Demand (COD)	m g/l	110	93.0	20
Suspended Solids (SS)	m g/l	120	102.0	<4
n-hexane extract (paraffinum liquidum)	m g/l	10	0.8	0.3
Copper	m g/l	1.0	—	0.1
Zinc	m g/l	4	—	0.6
Total chromium	m g/l	0	—	0.0078
Total nitrogen	m g/l	40	—	14.83
Total phosphorous	m g/l	3	—	0.12
Cadmium and its compounds	m g/l	≤0.07	≤0.06	0.00008
Cyanogen compound	m g/l	—	—	—
Lead and its compound	m g/l	—	—	—
Hexavalent chromium compound	m g/l	—	—	—

<Noise>

	Unit	Regulatory value	Own standard	Measured value
morning	dB (A)	—	—	—
afternoon	dB (A)	65	—	57~64
evening	dB (A)	—	—	—
night	dB (A)	55	—	50~54.4

<Vibration>        \*Not applicable

	Unit	Regulatory value	Own standard	Measured value
afternoon	dB	—	—	—
night	dB	—	—	—

<Odor>

  \*Not applicable

TOTO (GUANGZHOU) CO., LTD.

<Atmosphere related>

Facility type	NOx (ppm)			SOx (m³N/h)			Dust (g/m³N)		
	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value
Power generation facility	120	90	106	500	375	27	120	90	8

<Water quality related >

Item	Unit	Regulatory value	Own standard	Measured value
PH (hydrogen-ion concentration)	—	—	—	—
Biochemical Oxygen Demand (BOD)	m g/l	—	—	—
Chemical Oxygen Demand (COD)	m g/l	—	—	—
Suspended Solids (SS)	m g/l	—	—	—
n-hexane extract (paraffinum liquidum)	m g/l	—	—	—
Copper	m g/l	—	—	—
Zinc	m g/l	—	—	—
Total chromium	m g/l	—	—	—
Total nitrogen	m g/l	—	—	—
Total phosphorous	m g/l	—	—	—
Cadmium and its compounds	m g/l	—	—	—
Cyanogen compound	m g/l	—	—	—
Lead and its compound	m g/l	—	—	—
Hexavalent chromium compound	m g/l	—	—	—

<Noise>

	Unit	Regulatory value	Own standard	Measured value
morning	dB (A)	—	—	—
afternoon	dB (A)	60	—	56~59
evening	dB (A)	—	—	—
night	dB (A)	—	—	—

<Vibration>        \*Not applicable

	Unit	Regulatory value	Own standard	Measured value
afternoon	dB	—	—	—
night	dB	—	—	—

<Odor>

  \*Not applicable

TOTO (SHANGHAI) CO., LTD.

<Atmosphere related>

Facility type	NOx (ppm)			SOx (m³N/h)			Dust (g/m³N)		
	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value
No applicable facility	—	—	—	—	—	—	—	—	—

<Water quality related >

Item	Unit	Regulatory value	Own standard	Measured value
PH (hydrogen-ion concentration)	—	6.5~9.5	6.5~8.0	7.6
Biochemical Oxygen Demand (BOD)	m g/l	300	270	31
Chemical Oxygen Demand (COD)	m g/l	500.0	500.0	66.0
Suspended Solids (SS)	m g/l	400	360	29
n-hexane extract (paraffinum liquidum)	m g/l	—	—	—
Copper	m g/l	—	—	—
Zinc	m g/l	—	—	—
Total chromium	m g/l	—	—	—
Total nitrogen	m g/l	—	—	—
Total phosphorous	m g/l	8	7.2	1.8
Cadmium and its compounds	m g/l	—	—	—
Cyanogen compound	m g/l	—	—	—
Lead and its compound	m g/l	—	—	—
Hexavalent chromium compound	m g/l	—	—	—

<Noise>

	Unit	Regulatory value	Own standard	Measured value
morning	dB (A)	—	—	—
afternoon	dB (A)	65	—	58.9~63.3
evening	dB (A)	—	—	—
night	dB (A)	55	—	50.5~54.1

<Vibration>        \*Not applicable

	Unit	Regulatory value	Own standard	Measured value
afternoon	dB	—	—	—
night	dB	—	—	—

<Odor>

  \*Not applicable

TAIWAN TOTO CO., LTD.

<Atmosphere related>

Facility type	NOx (ppm)			SOx (m³N/h)			Dust (g/m³N)		
	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value
Firing furnace	30	30	4~21	20	20	3~12	50	50	1~2
Drying machine	180	150	1~2	50	42	2~4	30	25	1~4
Dust collector	—	—	—	—	—	—	100.0	100.0	<1~22

<Water quality related >

Item	Unit	Regulatory value	Own standard	Measured value
PH (hydrogen-ion concentration)	—	6 ~ 9	6 ~ 9	7.2
Biochemical Oxygen Demand (BOD)	m g /l	—	—	—
Chemical Oxygen Demand (COD)	m g /l	100	100	13.1
Suspended Solids (SS)	m g /l	50	50	36.2
n-hexane extract (paraffinum liquidum)	m g /l	—	—	—
Copper	m g /l	—	—	—
Zinc	m g /l	—	—	—
Total chromium	m g /l	—	—	—
Total nitrogen	m g /l	—	—	—
Total phosphorous	m g /l	—	—	—
Cadmium and its compounds	m g /l	—	—	—
Cyanogen compound	m g /l	—	—	—
Lead and its compound	m g /l	—	—	—
Hexavalent chromium compound	m g /l	—	—	—

TOTO VIETNAM CO.LTD(HUNG YEN Branch)

<Atmosphere related>

Facility type	NOx (ppm)			SOx (m³N/h)			Dust (g/m³N)		
	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value
Firing furnace	850	850	24.4~52.7	500	500	3	200	200	<2~29

<Water quality related >

Item	Unit	Regulatory value	Own standard	Measured value
PH (hydrogen-ion concentration)	—	6 ~ 9	6 ~ 9	7.1
Biochemical Oxygen Demand (BOD)	m g /l	30	300	5.8
Chemical Oxygen Demand (COD)	m g /l	75	350	16.75
Suspended Solids (SS)	m g /l	50	200	7.5
n-hexane extract (paraffinum liquidum)	m g /l	5	4.05	1.8
Copper	m g /l	2	1.62	0.0011475
Zinc	m g /l	3	2.43	0.49975
Total chromium	m g /l	0.2	0.162	0.00225
Total nitrogen	m g /l	20	60	8.84
Total phosphorous	m g /l	4	15	0.275
Cadmium and its compounds	m g /l	0.05	0.0405	0.00055
Cyanogen compound	m g /l	0.07	0.0567	0.003
Lead and its compound	m g /l	0.1	0.081	0.000675
Hexavalent chromium compound	m g /l	0.05	0.0405	0.00225

<Noise>

	Unit	Regulatory value	Own standard	Measured value
morning	dB (A)	67	67	54.9
afternoon	dB (A)	-	-	-
evening	dB (A)	57	57	51.4
night	dB (A)	52	52	45.2

<Vibration> \*Not applicable

	Unit	Regulatory value	Own standard	Measured value
afternoon	dB	—	—	—
night	dB	—	—	—

<Odor>

Regulated substances	Unit	Regulatory value	Own standard	Measured value
smelly substances		10	—	Not detected

TOTO VIETNAM CO.LTD(Dong Anh Branch)

<Atmosphere related>

Facility type	NOx (ppm)			SOx (m³N/h)			Dust (g/m³N)		
	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value
Firing furnace	850	850	7.5~14.13	500	500	<3.4	200	200	4.83~11.95

<Water quality related >

Item	Unit	Regulatory value	Own standard	Measured value
PH (hydrogen-ion concentration)	—	6~9	6~9	7.2
Biochemical Oxygen Demand (BOD)	m g /l	30	240	4.3
Chemical Oxygen Demand (COD)	m g /l	75	350	15.0
Suspended Solids (SS)	m g /l	50	200	6.8
n-hexane extract (paraffinum liquidum)	m g /l	5	4.5	<1
Copper	m g /l	2	1.62	0.009
Zinc	m g /l	3	2.43	0.803
Total chromium	m g /l	0.2	0.162	0.016
Total nitrogen	m g /l	20	40	5.450
Total phosphorous	m g /l	4	5	0.2
Cadmium and its compounds	m g /l	0.05	0.0405	0.001
Cyanogen compound	m g /l	0.07	0.0567	0.004
Lead and its compound	m g /l	0.1	0.081	0.001
Hexavalent chromium compound	m g /l	0.05	0.0405	0.003

TOTO MALAYSIA SDN.BHD.

<Atmosphere related>

Facility type	NOx (ppm)			SOx (m³N/h)			Dust (g/m³N)		
	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value
Power generation facility	—	—	—	—	—	—	80.0	72.0	19.7~26.3

<Water quality related >

No result for year 2023. Next measurement: 2025

Item	Unit	Regulatory value	Own standard	Measured value
PH (hydrogen-ion concentration)	—	5.5 ~ 9	5.4 ~ 8.1	—
Biochemical Oxygen Demand (BOD)	m g /l	40	36	—
Chemical Oxygen Demand (COD)	m g /l	200	180	—
Suspended Solids (SS)	m g /l	100	90	—
n-hexane extract (paraffinum liquidum)	m g /l	—	—	—
Copper	m g /l	1	0.9	—
Zinc	m g /l	2	1.8	—
Total chromium	m g /l	—	—	—
Total nitrogen	m g /l	20	18	—
Total phosphorous	m g /l	—	—	—
Cadmium and its compounds	m g /l	0.02	0.018	—
Cyanogen compound	m g /l	0.1	0.09	—
Lead and its compound	m g /l	0.5	0.45	—
Hexavalent chromium compound	m g /l	0.05	0.045	—

<Noise>

	Unit	Regulatory value	Own standard	Measured value
morning	dB (A)	—	—	—
afternoon	dB (A)	—	—	—
evening	dB (A)	—	—	—
night	dB (A)	—	—	—

<Vibration>

	Unit	Regulatory value	Own standard	Measured value
afternoon	dB	—	—	—
night	dB	—	—	—

<Odor>

\*Not applicable

<Noise>

\* No measurement in 2023. Next measurement: September 2024

	Unit	Regulatory value	Own standard	Measured value
morning	dB (A)	75	68	49.9~57.4
afternoon	dB (A)	-	-	—
evening	dB (A)	-	-	—
night	dB (A)	75	68	48~55.2

<Vibration> \*Not applicable

	Unit	Regulatory value	Own standard	Measured value
afternoon	dB	—	—	—
night	dB	—	—	—

<Odor>

\*Not applicable

TOTO INDIA INDUSTRIES PVT. LTD.

<Atmosphere related>

Facility type	NOx (ppm)			SOx (m³N/h)			Dust (g/m³N)		
	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value
Firing furnace	50	25	8.5~10.5	100	25	<2.0	150	100	11.8~14.0
Drying machine	50	25	<2.0	100	25	<2.0	150	100	10.3~11.8
Power generation facility	50	25	14.3~15.3	100	40	18.0~19.3	150	100	34.8~38.8
Cold / hot water generator	50	25	<2.0	100	25	<2.0	150	100	7.0~8.5

<Water quality related >

Item	Unit	Regulatory	Own	Measured
PH (hydrogen-ion concentration)	—	6.5 ~ 8.5	6.5 ~ 8.0	7.6
Biochemical Oxygen Demand (BOD)	m g/l	30	20	6
Chemical Oxygen Demand (COD)	m g/l	100	70	17
Suspended Solids (SS)	m g/l	100	60	14.8
n-hexane extract (paraffinum liquidum)	m g/l	—	—	—
Copper	m g/l	2	1	<0.2
Zinc	m g/l	5	3	<0.2
Total chromium	m g/l	2	1	<0.2
Total nitrogen	m g/l	50	25	<5
Total phosphorous	m g/l	—	—	—
Cadmium and its compounds	m g/l	2	1	<0.2
Cyanogen compound	m g/l	0.2	0.1	<0.05
Lead and its compound	m g/l	<0.1	<0.1	<0.1
Hexavalent chromium compound	m g/l	1	<0.5	<0.02

TOTO VIETNAM CO.LTD(VINH PHUC Branch)

<Atmosphere related>

Facility type	NOx (ppm)			SOx (m³N/h)			Dust (g/m³N)		
	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value
No applicable facility	—	—	—	—	—	—	—	—	—

<Water quality related >      \*Not applicable

Item	Unit	Regulatory	Own	Measured
PH (hydrogen-ion concentration)	—	9~6	9~6	7.5
Biochemical Oxygen Demand (BOD)	m g/l	300.0	30.0	<7.66
Chemical Oxygen Demand (COD)	m g/l	350.0	75.0	<26.0
Suspended Solids (SS)	m g/l	200.0	50.0	<10
n-hexane extract (paraffinum liquidum)	m g/l	—	—	—
Copper	m g/l	2.0	1.6	<0.010
Zinc	m g/l	3.0	2.4	<0.08
Total chromium	m g/l	0.2	1.6	<0.005
Total nitrogen	m g/l	60.0	20.0	6.7
Total phosphorous	m g/l	15.0	4.0	0.1
Cadmium and its compounds	m g/l	0.1	0.0	<0.0026
Cyanogen compound	m g/l	0.1	0.1	<0.001
Lead and its compound	m g/l	0.1	0.1	<0.0121
Hexavalent chromium compound	m g/l	0.1	0.0	<0.004

<Noise>

	Unit	Regulatory	Own	Measured
morning	dB (A)	75	70	62~65
afternoon	dB (A)	75	70	58~62
evening	dB (A)	75	70	53~60
night	dB (A)	75	70	54~57

<Vibration>      \*Not applicable

	Unit	Regulatory value	Own standard	Measured value
afternoon	dB	—	—	—
night	dB	—	—	—

<Odor>

\*Not applicable

<Noise>      \*Not applicable

	Unit	Regulatory	Own	Measured
morning	dB (A)	—	—	—
afternoon	dB (A)	—	—	—
evening	dB (A)	—	—	—
night	dB (A)	—	—	—

<Vibration>      \*Not applicable

	Unit	Regulatory value	Own standard	Measured value
afternoon	dB	—	—	—
night	dB	—	—	—

<Odor>

\*Not applicable

TOTO (THAILAND) CO., LTD.

<Atmosphere related>

Facility type	NOx (ppm)			SOx (m³N/h)			Dust (g/m³N)		
	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value	Regulatory value	Own standard	Measured value
Firing furnace	200	100	1.1~29.9	60	30	<2.0	320	160	<0.5~24.6
Drying machine	200	100	1.1~3.7	60	30	<2.0	320	160	<0.5
Dust collector	—	—	—	—	—	—	100.0	100.0	<0.5~5.8

<Water quality related >

Item	Unit	Regulatory	Own	Measured
PH (hydrogen-ion concentration)	—	5.5 ~ 9	5.5 ~ 9	7.6
Biochemical Oxygen Demand (BOD)	m g/l	≤ 20	≤ 20	<2
Chemical Oxygen Demand (COD)	m g/l	≤ 120	≤ 120	<25
Suspended Solids (SS)	m g/l	≤ 50	≤ 50	<5
n-hexane extract (paraffinum liquidum)	m g/l	≤ 5	≤ 5	<3
Copper	m g/l	—	—	—
Zinc	m g/l	—	—	—
Total chromium	m g/l	—	—	—
Total nitrogen	m g/l	—	—	—
Total phosphorous	m g/l	—	—	—
Cadmium and its compounds	m g/l	—	—	—
Cyanogen compound	m g/l	—	—	—
Lead and its compound	m g/l	—	—	—
Hexavalent chromium compound	m g/l	—	—	—

<Noise>

	Unit	Regulatory	Own	Measured
morning	dB (A)	—	—	—
afternoon	dB (A)	85.0	85.0	70.2~83.6
evening	dB (A)	—	—	—
night	dB (A)	—	—	—

<Vibration>      \*Not applicable

	Unit	Regulatory value	Own standard	Measured value
afternoon	dB	—	—	—
night	dB	—	—	—

<Odor>

\*Not applicable

The regulation value for soot and dust is the value agreed upon with the industrial park.