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				(t/a)		h	(t/a)		
1			TAD	2000	2125	7200	464	1536	
2	TAD			600		7200	0	600	
3	UV-123	16#	UV-123	500	490	7200	100	400	
4				100		7200	0	100	
5	114		114	500	499	7200	0	500	
6	585		585	200	50	75	0	200	
7	701	17#	701	3000	991	7200	760	2240	
8	702		702	1000	580	7200	0	1000	
9	706		706	1000	595	7200	0	1000	
10				79		7200	0	79	
11		18#	3853	3000	1397	7200	0	3000	

12	3853			200		7200	0	200	
13			292	2000	1075	7200	0	2000	
14	292			120		7200	0	120	
15				2000	1990	7200	1502	498	
16				700		7200	0	703	
17		5#		15000		7200	7298	7702	
18		6# 7#		2500		7200	0	2500	
19				2500	7917	7200	0	2500	
20				5000		7200	0	5000	

3.3.2

3.3-2

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			kg/	t	t			t
TAD								
	98%		1109	2356.63	720			62.933
	99%		55	116.875	125			3.102
	99%		181.5	385.6875	68			10.301
	99%		151m^3 14kg	34	1			9836.6 m^3 0.912t
	99%		100	0.1	0.03			0.0027
UV-123								
HALS770	99%		720	352.80	20			9.405
	99%		500	245.00	8.3			6.536
	99%		0.5	0.245	0.01			0.0064
TBHP	99%		1350	661.50	22			17.625
114								
	99%		470	234.53	7.82			6.254
	99%		130	64.87	130		/	1.725
TAD	99%		730	364.27	/			9.712
	33%		590	294.41	20			7.861
	/		5000	2495.00	/	/	/	68.205
585								
UV-123	99%		2000	100	/			2.668
TAD	99%		2000	100	/			2.668

3.3.3

3.3-3

3.3-3

					mm					Mpa
TAD	1		E1602ab	1FW	φ377*2500	2	304			
	2		E1603ab	1FW	φ377*2500	2	304			
	3		V1602	2F	φ530*1500	1	304			
	4		V1603	4FD	φ1500*1000	1	304			
	5		V1604	2F	φ2500*2600	1	304			
	6		V1693	2F	φ530*1500	1	304			
	7		V1605	1F	φ3000*4000	1	304		50	
	8		V1606	2F	φ1600*2000	1	304			
	9		V1607a~c	1F	φ2400*2500	3	304	TAD		
	10		V1608	1F	φ1200*1500	1	Q345R			0-1.5
	11		V1609ab	1F		2	Q345R			0-1.5
	12		V1610	1FW	φ1200*1500	1	304			-0.09~
	13		V1611	1FW	φ1200*750	1	304			-0.09~
	14		V1612	1FW	φ1200*750	1	304			
	15		V1613	1F	φ2000*2500	1	304			0-1.5
	16		P1601	4FD	15m 40m³h	1				/
	17		P1602	4FD	15m 40m³h	1				/
	18		P1603	4FD	15m 40m³h	1	304			/
	19		P1627AB	4FD	15m 40m³h	1	304			/
	20		P1604	1F	15m 20m³h	1	304		50	/

	21		P1605	1F	15m 15m³h	1	304		50	/
	22		P1606a~c	1F	20m 15m³h	3	304	TAD		/
	23		P1607	2F	20m 15m³h	1	304			/
	24		R1601ab	2F	φ2200*2500	2	304Q345R	TAD TAA	110	2.0— 2.5MPa
	25		R1602	2F	φ2400*2250	1	304	TAD	50	
	26		V1692	2F	φ1800*1800	1	304		50	
	27		F1601a~c	2F	φ700*700	3	304	TAD	70	
	28		T1603	4FD	φ2000*4500	1	304			
	29		T1604	4FD	φ2000*4500	1	304			
	30		M1601	1FW	200Lmin	1	Q235			/
	31		T1615	4FD	φ300*28000	1	304			
	32		C1601	4FD	1800Pa 500m³h	1	Q235			
	33		E1605	4FD	φ820*3000	1	304		160	
	34		E1607ab	4FD	φ377*2500	2	304			
	35		E1608ab	4FD	φ377*2500	2	304			
	36		T1605	3-4FD	φ820*12000	1	304		160	
	37		R1603	3F	φ2400*2250	1	304	TAD	160	
	38		V1615	3F	φ1600*2000	1	304			
	39		V1616	3F	φ1600*2000	1	304			
	40		V1617	3F	φ1600*2000	1	304			
	41		V1618	2F	φ2200*3500	1	304	TAD	25	
	42		V1619	2F	φ2400*2250	1	304			

	43		V1620	4F	φ1600*2000	1	304		25	-0.09~
	44		V1622	4F	φ1200*1500	1	304	TAD		-0.09~
	45	TAD	V1623	1F	φ2200*3500	1	304	TAD	25	
	46		V1624	4FD	φ1200*1500	1	304			-0.09~
	47		V1625	4FD	φ1200*750	1	304	TAD		-0.09~
	48		V1626	4FD	φ1200*750	1	304	TAD		
	49		M1602	4FD	200Lmin ,300Lmin ,600Lmin	1	Q235			/
	50		P1609	2F	15m 15m³h	1	304			/
	51	TAD	P1612	1F	30m 15m³h	1	304	TAD	25	/
	52		V1627	3F	φ2400*2250	1	304			
	53		V1628	4F	φ1200*2000	1	304	TAD		
	54		V1629	4F	φ2200*2500	1	304			
	55		R1605	2F	φ2400*2250	1	304		150	
	56		E1609	4FD	φ820*3000	1	304		150	
	57		T1607	2-4FD	φ800*18000	1	304		150	
	58		E1624a~d	4FD	φ377*2500	4	304			
	59	2#	V1663	4FD	φ700*3000	1	304			
	60		V1676	4FD	φ530*1500	1	304			
	61		P1638	1F	30m 20m³h	1	304			/
UV-123	62		V1631ab	4FD	φ1600*1500	2	304			
	63		V1656	1F	φ3000*4500	1	304			
	64		P1633	1F	30m 15m³h	1	304			/
	65		V1691	1F	φ3000*4500	1	304			

	66		P1608	1F	30m 15m³h	1	304			/
	67		V1632ab	4F	φ800*1200	2	304			
	68		V1633ab	3F	φ2400*2250	2	304			
	69		V1634ab	3F	φ2400*2250	2	304	UV-123		
	70		V1635	2F	φ2400*2250	1	304			
	71		V1636a	4F	φ1800*2000	1	304			-0.09~
	72		V1636b~d	4F	φ1800*2000	3	304			-0.09~
	73		V1637	2F	φ2400*2250	1	304	UV-123		
	74		V1638	1F	φ2400*3500	1	304	UV-123	60	-0.09~
	75		V1639	2F	φ2400*3500	1	304	UV-123		
	76		R1606ab	4F	φ2400*2250	2	304	HALS770	180	
	77		R1607a	4F	φ1600*1500	1	304	UV-123	80	
	78		R1607b~d	4F	φ1600*1500	3	304	UV-123	160	
	79		E1610ab	4FD	φ530*3000	2	304		180	
	80		E1611ab	4FD	φ426*1500	2	304		10	
	81		E1612b~d	4FD	φ630*3000	3	304		150	-0.09~
	82		E1613b~d	4FD	φ630*1500	3	304		100	-0.09~
	83		E1614B-D	4FD	φ426*3000	3	304		10	-0.09~
	84		T1608ab	4F	φ530*2000	2	304		180	
	85		T1609B-D	4F	φ530*1500	3	304		150	-0.09~
	86		T1610	1-4FD	φ800*20000	1	304	UV-123	60~70	-0.09~

	87		V1677	4FD	φ1200*1500	1	304			-0.09~
	88		V1678	4FD	φ1200*750	1	304			-0.09~
	89		E1631ab	4FD	φ377*2500	2	304			
	90		M1604	4FD	200Lmin	1	Q235			/
	91		V1679	4FD	φ1200*750	1	304			
	92		E1632ab	4FD	φ377*2500	2	304			
	93		V1680	4FD	φ1200*1500	1	304			-0.09~
	94		V1681	4FD	φ1200*750	1	304			-0.09~
	95		E1633ab	4FD	φ377*2500	2	304			
	96		M1605	4FD	200Lmin ,300Lmin ,600Lmin	1	Q235			/
	97		V1682	4FD	φ1200*750	1	304			
	98		E1634ab	4FD	φ377*2500	2	304			
	99		F1602ab	4F	φ800*800	2		UV-123		
	100		P1614ab	3F	20m 15m³h	2	304	UV-123		/
	101		P1615ab	3F	30m 15m³h	2	304	UV-123		/
	102		P1618	1F	20m 15m³h	1	304	UV-123		/
	103		P1619	2F	30m 20m³h	1	304	UV-123		/
	104		R1608	3F	φ2400*2250	1	304		50	
	105		R1609	3F	φ2400*2250	1	304		120	
	106		R1610	3F	φ2400*2250	1	304		120	
	107		V1640	2F	φ2400*2250	1	304			
	108		V1641	2F	φ2400*2250	1	304			
	109		V1642	3F	φ2400*2250	1	304			
	110		V1643	4F	φ1200*2000	1	304		28	

	111		V1644	4F	φ2200*2250	1	304		28	
	112		V1645	1F	φ3000*4500	1	304		28	
	113		T1612	3-4FD	φ800*18000	1	304		120	
	114		E1615	4FD	φ720*3000	1	304		120	
	115		E1616	4F	φ426*1500	1	304		100	
	116		E1617	4FD	φ820*3000	1	304		120	
	117		E1628a~d	4FD	φ377*2500	4	304			
	118	1#	V1669	4FD	φ700*3000	1	304			
	119		V1670	4FD	φ530*1500	1	304			
	120		E1629a~d	4FD	φ377*2500	4	304			
	121	2#	V1671	4FD	φ700*3000	1	304			
	122		V1672	4FD	φ530*1500	1	304			
	123		E1630a~d	4FD	φ377*2500	4	304			
	124	3#	V1673	4FD	φ700*3000	1	304			
	125		V1674	4FD	φ530*1500	1	304			
	126		P1639	3F	30m 20m³h	1	304			/
	127		P1620	2F	15m 15m³h	1	304			/
	128		P1621	2F	15m 15m³h	1	304			/
	129		P1622	1F	30m 15m³h	1	304		30	/
114	130	114	R1611a	4F	φ2200*2250	1		TAD	50	
	131		V1655	1F	φ3000*4500	1			50	

	132		P1628AB	1F	30m 15m³h	1			50	/
	133	TAD	V1646a	4FD	φ1600*1500	1	304	TAD		
	134		V1647a	4FD	φ1600*1500	2	304			
	135		V1647b	4FD	φ1600*1500	2	304			
	136		T1613	4FD	φ2000*4500	1	PP			
	137		E1618a	4F	20m²	1		TAD	-5-50	
	138		E1618b	4F	20m²	1		114	-5-50	
	139		P1623	4FD	15m 40m³h	1	PP			/
	140		R1612	2F	φ2400*2250	1	304	114	/	
	141		F1606	1F	φ800*800	1		114		
UV-123	142		V1648	3F	φ530*1500	1	304			
	143	(	V1649	2F	φ2400*2250	1	304	114		
114	144		V1650	3F	φ2400*2250	1	304			
	145		V1651	1F	φ2400*2250	1	304			
	146		V1652	1F	φ1600*1500	1	304			
	147		V1653	2F	φ2400*2250	1	304	114		
TAD	148		V1654	4FD	φ530*1500	1	304			
	149		E1627a~d	4FD	φ377*2500	4	304			
	150	1#	V1666	4FD	φ700*3000	1	304			
114	151		V1667	4FD	φ530*1500	1	304			
	152		P1624	1F	30m 20m³h	1	304			/
	153		P1625	1F	30m 15m³h	1	304			/

	154	2	P1626	2F	20m 15m³h	1	304			/
	155		R1614a	4F	φ2200*2250	1	304	114	-5-20	
	156		R1614b	4F	φ2200*2250	1	304	114	-5-20	
	157		R1615	3F	φ2200*2250	1	304	114	-5-10	
	158		V1657	1F	φ2400*2250	1	304	114	60~70	
	159		V1658ab	4FD	φ530*1500	2	304			
	160		P1632	1F	20m 15m³h	1	304	114		/
	161		E1625a~d	4FD	φ377*2500	4	304			
UV-123	162		V1668	4FD	φ530*1500	1	304			
	163		V1694	4FD	φ2500*2600	1	304	/		
114	164	3#	V1665	4FD	φ700*3000	1	304			
	165		V1675	4FD	φ530*1500	1	304			
	166		T1618	4FD	φ2000*4500	1	304			
	167		P1629	4FD	15m 40m³h	1	304			/
	168		C1602	4FD	1800Pa 500m³h	1				/
	169		M1603	2F	LD1250	1		114		
	170		R1616	2F	φ2400*2250	1	304		150	
	171		V1660	3F	φ1600*1500	1	304			
	172		V1661	3F	φ2400*2250	1	304			
	173		T1616	2F-4F	φ800*8000	1	304		150	
	174		P1630	3F	30m 15m³h	1	304			/
	175		R1617	2F	φ2400*2250	1	304	114	150	
	176		P1634	1F	20m 15m³h	1	304	114		/
	177	1	V1662	2F	φ2400*2250	1	304			

	178		T1617	2F	φ530*1500	1	304		150	
	179		E1622	3F	φ630*3200	1	304		150	
	180		E1623	3F	φ630*3200	1	304		100	
	181	1	P1631	2F	15m 15m³h	1	304			/
	182		V1683	2F	4500*2000*3000	1	304		100	
	183		V1684	1FW	3000*2000*1500	1	304		100	
	184		T1619	4FD	6000*6000*1000	1				
	185		V1685	1FW	6000*4000*3000	1	304			
	186		V1687	1FW	φ2000*3000	1	Q345R			0.8
	187		V1688	1FW	φ1600*2200	1	304			1.5-2 kpa
	188		V1689	1FW	φ1600*2000	1	Q345R			0.8
	189		P1635ab	4FD	32m 200m³h	2	304			/
	190		P1636ab	2F	32m 50m³h	2	304		100	/
	191		P1616ab	1FW	32m 20m³h	2	304		100	/
	192		P1617ab	1FW	32m 20m³h	2	304			/
	193		V1686	1FW	φ2000*2250	1	Q345R			0.8
TAD	194		T1601	4FD	φ2000*4500	1	304			
	195		T1602	4FD	φ2000*4500	1	304			
	196		F1609	2F	φ219*1000	1	304			
	197		F1610	4FD	φ219*1000	1	304			
	198		P1656	2F	15m 15m³h	1			50	/
	199		V16103ab	1F	φ800*800	2	304	TAD	70	
	200		F1611ab	2F	φ219*700	2	304	TAD		

	201	TAD	T1606	1F-4FD	φ1000*23000	1	304	TAD	188	-0.09~
	202	TAD	E1606(	4FD	φ1000*2500	1	304	TAD	188	-0.09~
	203	TAD	E1638	4FD	φ600*3000	1	304	TAD		
	204	TAD	R1604	1F	φ2200*2800	1	304	TAD	188	-0.09~
	205		P1657	1F	15m 15m³h	1		TAD	188	/
	206		V16104	2F	φ530*1500	1	304	TAD		
	207	TAD	V1621	4F	φ2000*2000	1	304	TAD		
	208		F1612	1F	φ700*700	1	304	TAD	60	
	209		T1622	4FD	φ800*2500	1	PP		/	/
	210		T1623	4FD	φ800*2500	1	PP		/	/
	211		T1624	4FD	φ800*2500	1	PP		/	/
	212		P1658	4FD	10m 10m³h (	1			/	/
	213		P1659	4FD	10m 10m³h (	1			/	/
	214		P1660	4FD	10m 10m³h (	1			/	/

UV-123	215		P1640	1F	84m 34m³h	1				
	216		P1641	1F	84m 34m³h	1		TBHP		
	217		P1653	3F	20m 15m³h	1	304			/
	218		P1643	3F	20m 15m³h	1	304	UV-123		/
	219		V1697	1F	φ1300*1500	1	304	UV-123		
	220		P1644	1F	20m 15m³h	1	304	UV-123		/
	221	770	V16102	1F	φ1600*1500	1	304	HALS770	80	
	222	770	P1654ab	1F	30m 15m³h 770 (	2		HALS770	80	/
	223		P1655ab	3F	30m 15m³h	2				/
	224		F1613ab	2F	φ700*700	2	304	UV-123	60	
	225		F1614	1F	φ219*700	1	304	UV-123	60	
	226		P1661	2F		1	304	UV-123		/
	227		P1662	2F		1	304			/
	228		P1663	4F	15m 30m³h	1	304			/
	229		T1621	3F	φ530*2000	1	304		120	
	230		V1699	3F	φ800*1200	1	304			
	231		V16106	2F	φ530*1500	1	304	HALS770	/	/
114	232		F1615	4FD	φ219*1000	1	304	114		
	233		V1696	4FD	φ2500*2600	1	304	/	/	/
	234		E1619	3F	φ630*3000	1	304		150	
	235		E1620	3F	φ426*1500	1	304			

	236		P1647(	1F	20m 15m³h	1		114		/
TAD	237		V1614	4FD	φ800*800	1			/	/
114	238		P1648	3F	20m 15m³h	1		114		/
	239		R1611B	4F	φ2200*2250	1	316L	114	150	0.6-0.8
	240		R1613	3F	φ2400*2250	1	316L	114	150	0.6-0.8
	241		P1649	2F	20m 15m³h	1		114	80	/
	242		F1608	2F	φ800*800	1	316L	114		
	243		T1614	2F	φ530*1500	1	304			
	244		P1650(	1F	20m 15m³h	1		114		/
	245		E1635(17	4F	φ630*3000	1	301			
	246	1#	V16100	4F	φ2000*2000	1	304			
	247	2#	V16101	4F	φ2000*2000	1	304			
	248		V1646b	4FD	φ1600*1500	1			60	
	249		E1636	4F	φ630*3000	1	304		150	
	250		E1637	4F	φ426*1500	1	304		150	
	251		P1642	1F	84m 34m³h	1				
	252		V1695	1FW	φ800*1200	1	Q345R		190	0.8-1.2
	253		P1652ab	4FD	32m 200m³h	2				/

	254		C1603	1FW	2000Pa,20000 CT4	1		/		/
	255		P1651	3F	20m 15m³h	1				/
	256		V16107	1F	/	/	/	/	/	/
	257		P1665	1F	/	/	/	/	/	/
	258		C1604	1F	2W-0.5710-25	1	/	/	/	/
	259		P1664AB	1F	/	/	/	/	/	/
	260		V16108	1F	/	/	/	/	/	/
	261		V16109	1F	/	/	/	/	/	/
	262		V16105	1F	/	/	/	/	/	/

3.3.4

3.3-4

3.3-4

			1491m²×3 365m²×1 260m²×1 134m²×1 070m²×1 220m²×1 940m²×2	10 4F 5# 6# 7# 16# 17# 18# 6	8 6# 8# 16#
			190m³×1	2166.9m²	
			190m³×1		3853

			190m^3×2		
			190m^3×1		701 706 3853 292 TAD 701 706 3853 292 TAD
			190m^3×1		701 702 3853 114 701 702 3853 114
			190m^3×1		706 292 706 292
			190m^3×1		
			190m^3×6		5 1 37% 37%
			68m^3×2		TAD TAD
			900m^3×1		TAD TAD
			50m^3×2	1 40m^3	1 50m^3

		570m^3×2		
		750m^2 × 1+180m^2×1	50m × 15m 12m×15m 1	
		750m^2 × 1	50m×15m 1	
		1560m^2×1	78m × 20m 1	
		1200m^2×1	60m × 20m 1	
		2000t/d		
		1000t/d		
		2340 m^3/a		
		10t/h 15t/h	180 1.0 ± 0.2MPa	
		216000t/a	1 30t/h 204 1.6MPa	1 30t/h 15m DA001
		6t/h × 1	1 6t/h	
		25 t/d		
		200Nm^3/h×6		3
		1000m^3/h×2		
		1200Nm^3/h × 1		TAD
		12000m^2	9%	
		15t/h		

		24.09 t/h 31.81 t/h	1 30 FLECK	1 30 FLECK 36
		90 6 90 2	R404A 5 -15	90 4 90 2 90 4
		400m^3/h×14	504m^3	8 1
		1		
		2 +1	TAD	3 + +RTO+18m DA002 1 +2 +1 +1 +29m DA004
		1 +1	114	114 + 1 +1 + +RTO+18m DA002
		1		
		2 +2	G10-10	
		1 +1	16# 5# 6# 7#	16#
		1 +1		“ 1 +1 +RTO ” 18m DA002
		RTO (10 Nm^3/h)+ SCR 2 1		2 RTO 1# 18m DA002

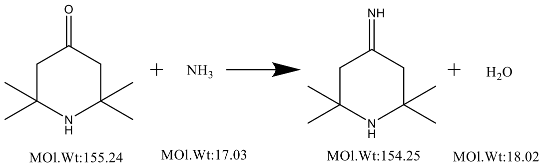
		SNCR + + + 2 2 1		2 “ SNCR + + + ” 1# 35m DA003
		2		“ 2 ” 15m DA006
		1		1 “ 1 +1 ” 15m DA005
		+ (100d/t)	COD	1 “ + + ” TW001 1 2 100m³/ 3 TW002
		750d/t		1 1 “ + + + A/O+ + ” TW002 2 750m³/ 3 DW001
		-		
		50 m² 750m²		50 m² 750 m²
		10000t/a 2	10000	10000t/a 2 1 2000 8000

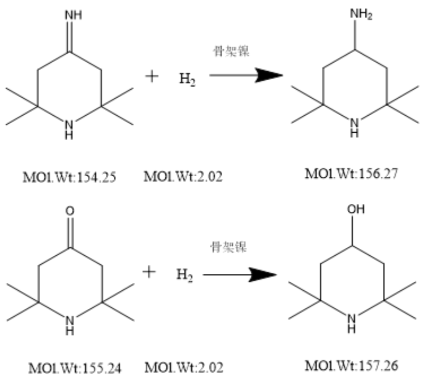
		1113m^3 2450m^3		1113m³ 2450m³
			/	
		1 2450m^3		2450 m³

3.4

3.4.1 TAD

1





$$2\,NH_3 + H_2SO_4 \longrightarrow (NH_4)_2SO_4$$

Mol.Wt:34.06 Mol.Wt:98.08 Mol.Wt:132.14

2 TAD

1615kg 55kg

1109kg 70kg

100kg

181.5kg

60

90-100

2.0Mpa 60

95

TAD

G7-1 G7-3

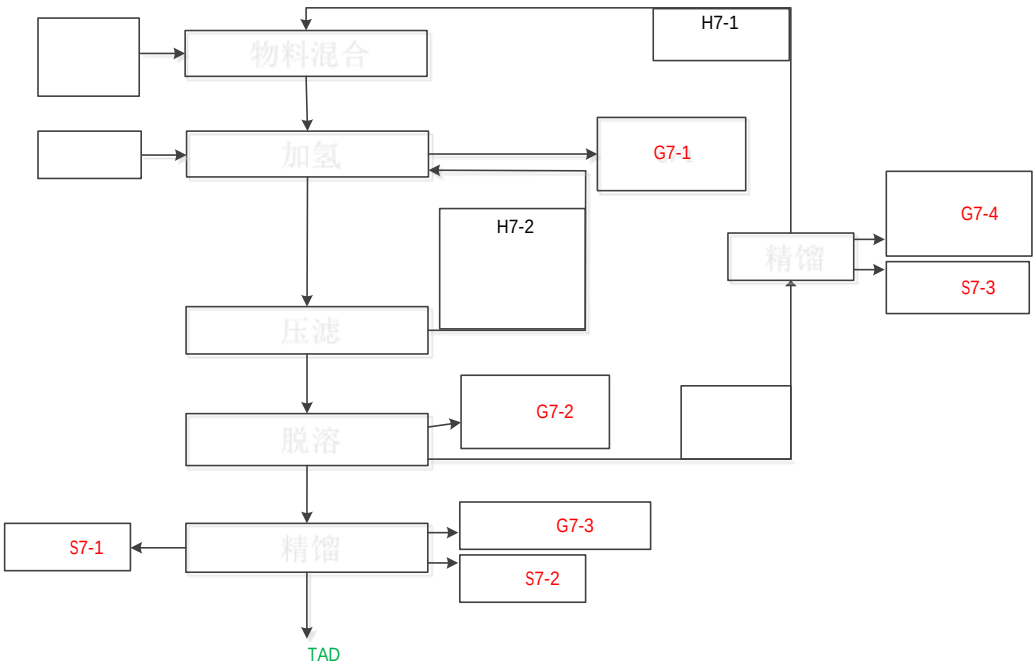
W7-2

188 TAD

G7-2 S7-1

W7-1

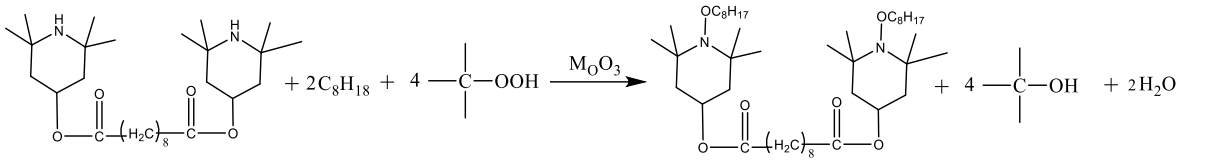
3.4-1



3.4-1TAD

3.4.2 UV-123

1



Mol.Wt:480.72 Mol.Wt:114.23 Mol.Wt:90.12 Mol.Wt:737.11 Mol.Wt:74.12 Mol.Wt:18.02

2

3500kg

720kg 770 0.5kg

10kg 70

TBHP TBHP

1350kg

TBHP

G8-1

123

S8-2 G8-3

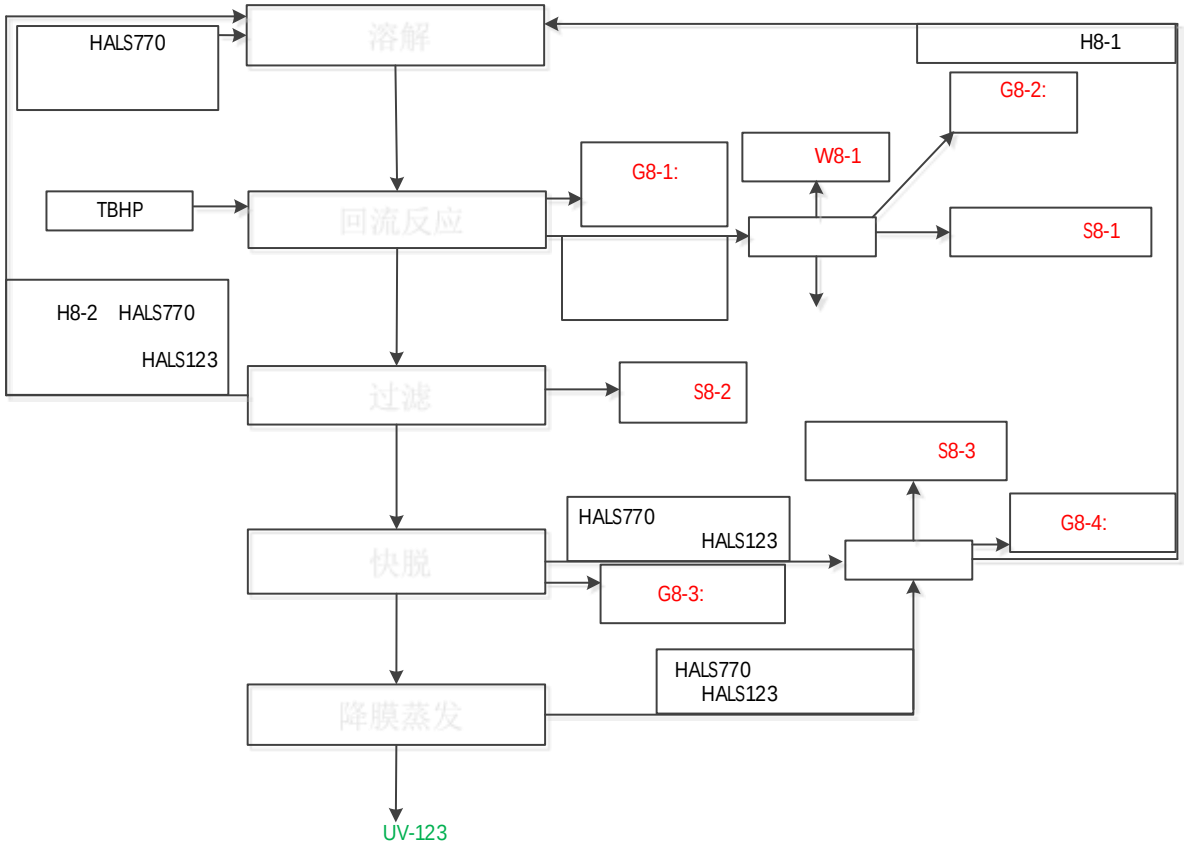
G8-2 W8-1

S8-1

G8-4 123 770 S8-

3

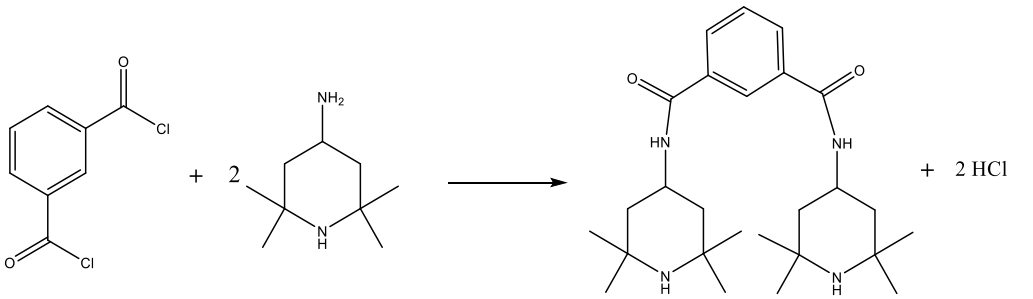
3.4-2



3.4-2 UV-123

3.4.3 114

1



Mol.Wt:203.02 Mol.Wt:156.27 Mol.Wt:442.56 Mol.Wt:36.5

2

2000kg 470kg

114 10 TAD

730kgTAD 114 10 TAD

590kg 15

15-20 1 30 2-3

5000kg

G9-1 114 TAD W9-1

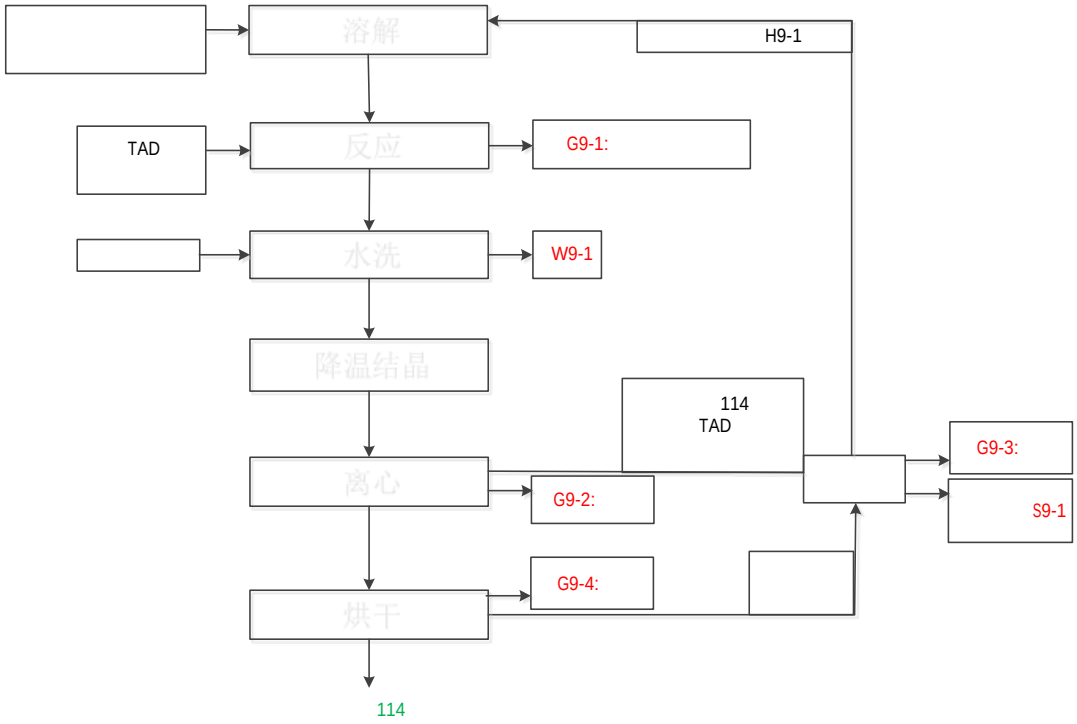
114

G9-3 TAD 114

S9-1 G9-4 TAD

114 S9-2

3.4-3



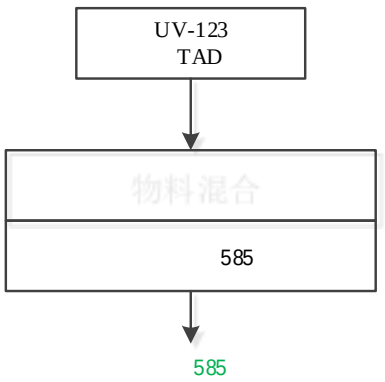
3.4-3 114

3.4.4 585

1

585 UV-123 TAD 1:1

2 3.4-4



3.4-4 585

3

TAD 2000kg TAD 123

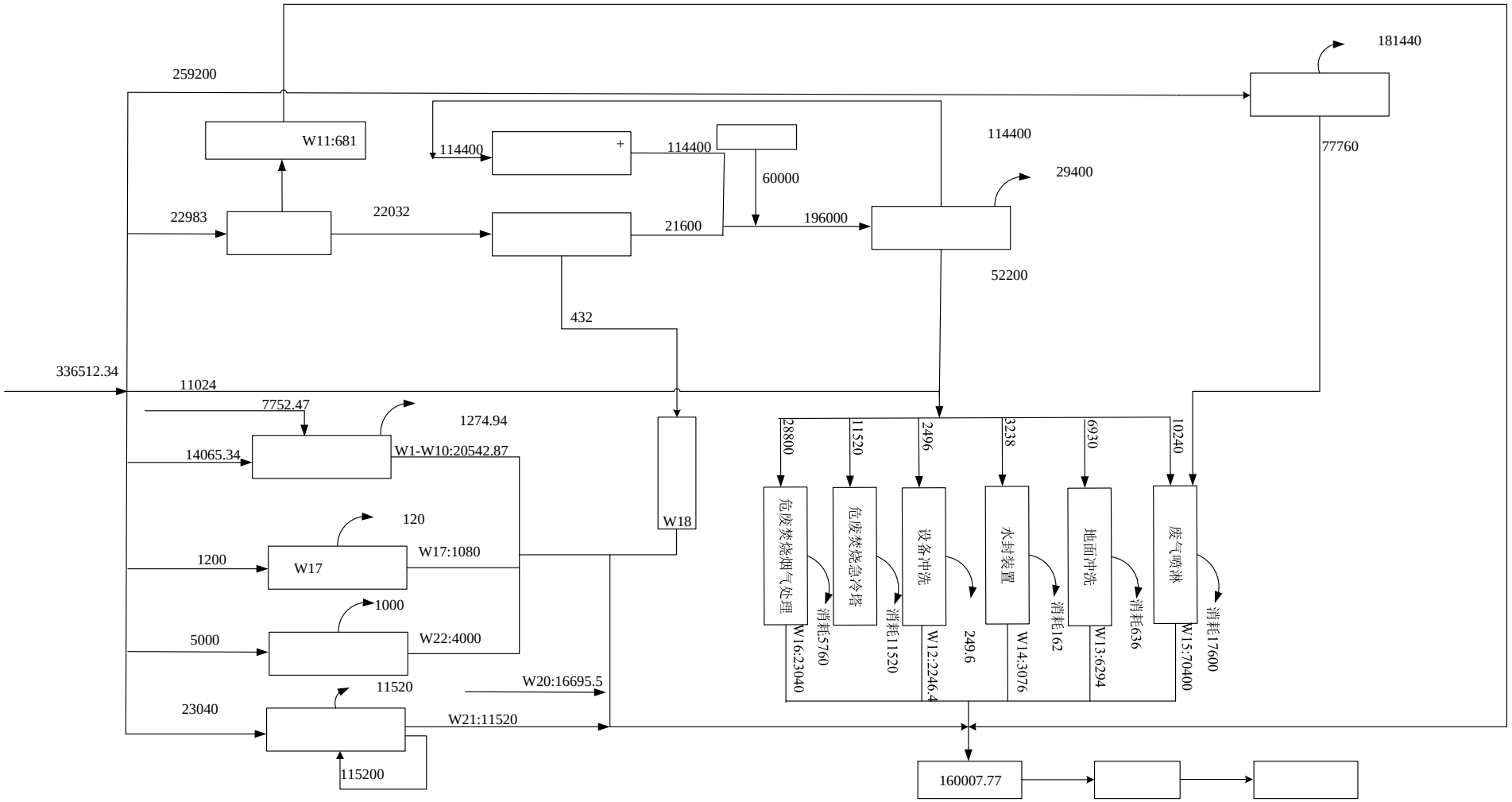
2000kg 123 585

123 20-25 1

585

3.5

3.5-1


259200
W11:681
114400
114400
114400
60000
181440
77760
29400
22983
22032
21600
196000
52200
432
336512.34
11024
7752.47
1274.94
14065.34
W1-W10:20542.87
W18
120
1200
W17
W17:1080
1000
5000
W22:4000
11520
W20:16695.5
23040
W21:11520
115200
28800
11520
2496
3238
6930
10240
危废焚烧烟气处理
危废焚烧急冷塔
设备冲洗
水封装置
地面冲洗
废气喷淋
消耗5760
消耗11520
249.6
消耗162
消耗636
消耗17600
W16:23040
W12:2246.4
W14:3076
W13:6294
W15:70400
160007.77

3.5-1

3.6

< > 2020 688

3.6-1 2020 688

2020 688				
	1.			
	2. 30%	1 50m^3 98% 73.6t 30% 53.2 t 15.96t	1 40m^3 1 50m^3 15.57 t 55.88t 20t 73.6t 15.6t 3.01%	
	3.			
	4.			

	( ) 10%	$PM_{2.5}$		
	5.			
	6. 1 2 3 4 10%			
	7. 10%			
	8. 6 10%	TAD 3 + +RTO 1 +2 +1 +1	TAD 2 +1 + +RTO 114 1 +1 TAD 3 +	

		114 1 +1 + +RTO	+RTO 1 +2 +1 +1 114 1 +1 + +RTO	
	9.			
	10. ( ) 10%	DA004 18m 29m	DA004 18m 29m	
	11.			
	12. ( )			
	13.			

<

> 2020 688

4

4.1 /

4.1.1

RTO

4.1-1

4.1-1

				m³/h	
16#	TAD		3 + +RTO	100000	DA002
			+RTO		
	UV-123		+RTO		
	114		1 +1 + +RTO		
			+RTO		
			1 +1 + + RTO		
			1 +1 +RTO		
			+RTO		
			1 +1 +RTO		
RTO	RTO		SCR		
16#	TAD		1 +2 +1 +1	1000	DA004
			SNCR+ + + + +	74500	DA003
			2	63900	DA006

	
TAD	TAD -
	
RTO	

4.1.2

“ ”

COD COD

COD “ + +

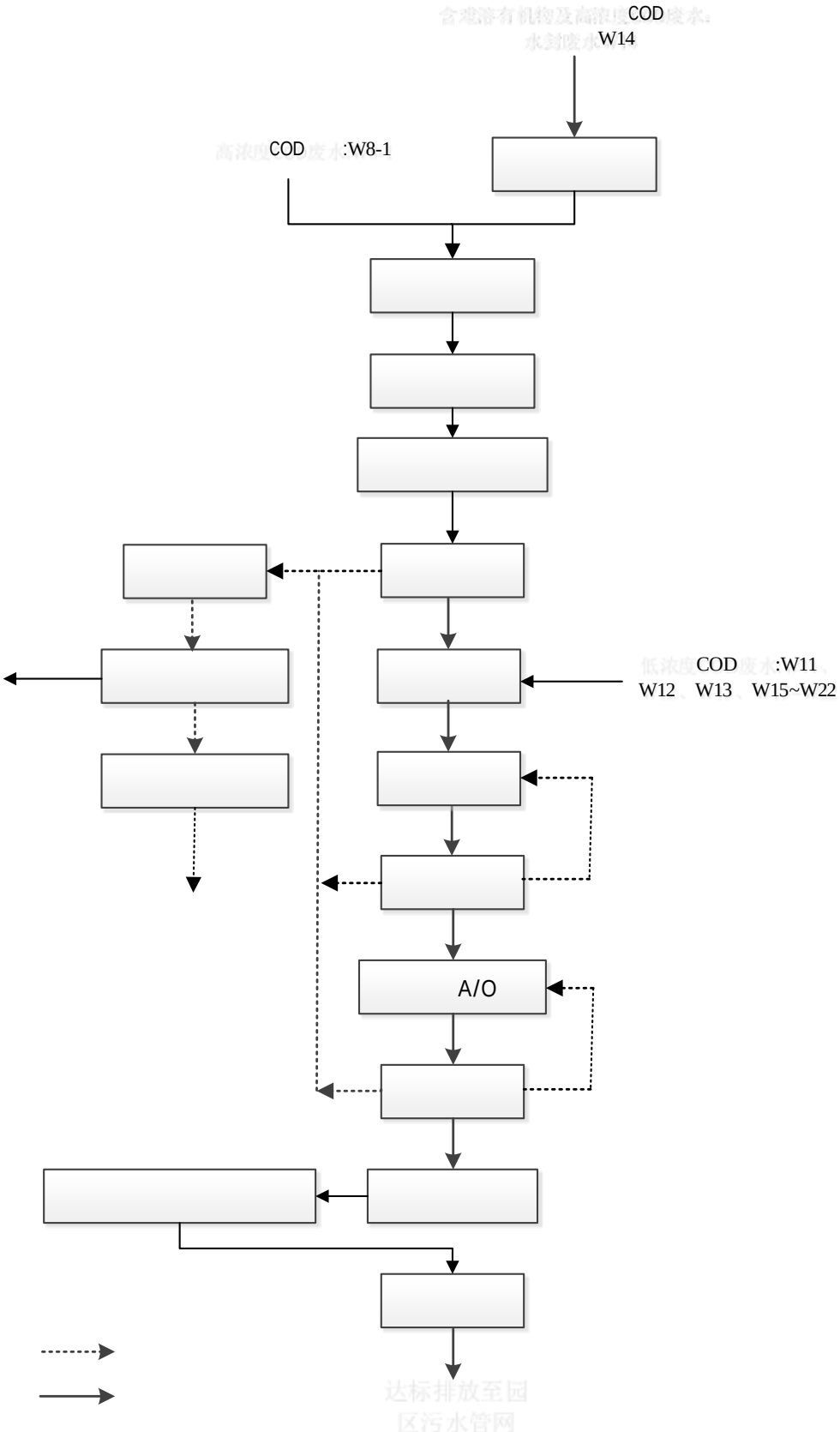
” TW001 100m³/

COD

“ + + + A/O+ + ” TW002

750m³/ DW001



4.1-2

4.1.3

70 95dB(A)

4.1-2

4.1-2

	dB(A)		(m)		dB(A)
	80-95		E25		≥20
	80-90		E25		≥20
	80-85		E25		≥20
	75-85		S12.5		20
	70~80				≥20
	70~90				
	75~90				
	75~85				

4.1.4

1 750m^2

GB18597-2001

2mm

[2019]327

4.1-3

4.1-3

								t/a		t	
S7-1				TAD		HW11	900-013-11	T	129.625		3.256	
S7-2						HW11	900-013-11	T	371.875		9.815	
S7-3						HW11	900-013-11	T	191.25		4.952	
S7-4						HW49	900-039-49	T	42.5		1.023	
S8-1				UV-123		HW11	900-013-11	T	238.64		6.035	
S8-2						HW50	271-006-50	T	0.29		0.005	
S8-3						HW11	900-013-11	T	78.40		2.012	
S9-1				114		HW11	900-013-11	T	43.96		1.128	
S9-2						HW11	900-013-11	T	29.39		0.756	
S11						HW49	900-041-49	T	1		0.02	
S12						HW08	900-249-08	T/I	15.22		0.102	
S13						HW49	900-039-49	T	27.6			-
S14-1						HW49	900-000-49	T	97		2.456	
S14-2						HW06	900-410-06	T	218		5.625	
S15-1						HW50	772-007-50	T	0.2			-

S15-2					HW18	772-003-18	T	51.058		1.362	
S15-3					HW18	772-003-18	T	246.5		6.253	/
S15-4					HW49	900-041-49	T/In	20			-
S15-5					HW49	900-041-49	T/In	3			-
S15-6					HW18	772-003-18	T	4		0.103	
S15-7					HW13	900-015-13	T	7.5			-
S15-8					HW11 HW06	900-013-11 900-404-06	T	7.7		0.195	
S18					/	/	/	120		2.1	
-					HW49	900-047-79	T/C/I/R	0.5	-	0.01	
-					HW49	900-041-49	T/In	-			
-					HW50	772-007-50	T	-			
-			TAD		HW46	900-037-46	T I	-			
-			TAD UV123		HW49	900-041-49	T/In	-			

4.2

4.2.1

1113m³ 1 2450m³ 1

2021 7 19

321311202124-M [- Q2-M2-E2 +

- Q2-M2-E3]

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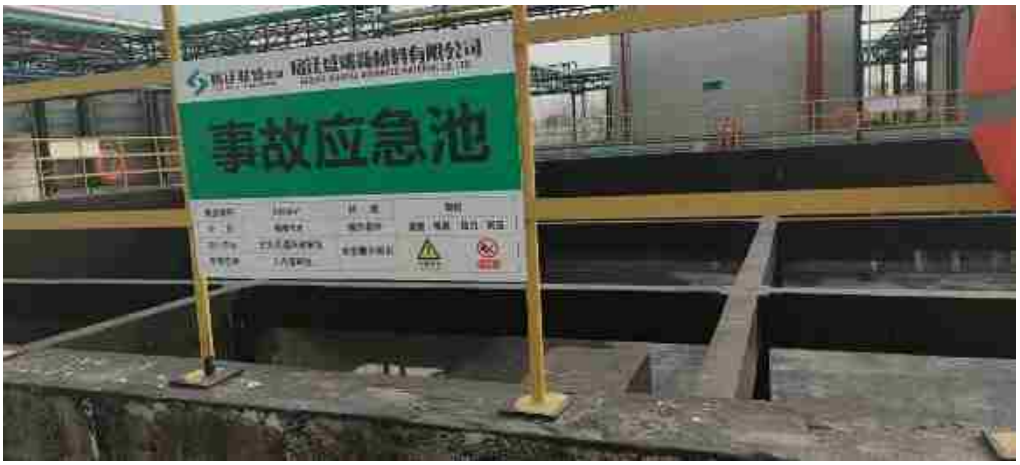
<tr><td colspan="3"> 
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<tr><td colspan="3">2450m³</td></tr>
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4.2.2

[1997]122 <

> < >

[2011]1

1

1 1

pH COD

pH COD

1

2

4

RTO

5

3

4

4.3. “ ”

4.3-1

4.3-1 “ ”

		300		300	
		70		70	1 “ + + ” TW001 1 2 100m³/ 3 TW002
	+	270		270	
	+ + A/O+ +	1000		1000	1 1 “ + + + A/O+ + ” TW002 2 750m³/ 3 DW001
		80		80	
		20		20	pH COD 1
	RTO 2 10 m^3/h SCR 1 18m	2000		2000	2 RTO 1 1 18m DA002
	1 1 1 +1	45	RTO	45	1 +1

	2 1 +1				RTO 1 +1 RTO
	1 2 +	20	RTO	50	TAD 3 + +RTO+18m DA002 TAD 1 +2 +1 +1 +29m DA004
	2	20		-	
	2 +2	70	G10-10	-	
	1 +1	50	114 G9-1	20	1 +1 + +RTO+18m DA002
	2	7		7	2 15m DA006
	1	3		-	
	SNCR+ + + + + 1 35m	700		700	2 “SNCR + + + ” 1 1 35m DA003
		70	90%	70	
		105		105	
		81		81	
		90		90	RTO 5
		2300		2300	10000t/a 2 1 1
		1000		1000	

		150		150	750m^2 1
		5		5	
		10		10	
		40		40	
		5		5	
		10		10	
	2450m^3	300		300	1113m³ 2450m³
					2021 7 19 21311202124-M

					[- Q2-M2-E2 + - Q2-M2-E3]
		20		20	2 RTO 1 1 RTO 2450m³ 1113m³

5

5.1

5.1.1

“ ”

“ ”

5.1.2

1

2

3

4

5

5.2

12000

5000 15000

“ ”

100000 “ 12000

5000 15000 ”

200.16 7000

DB32/3728-2019 20mg/m³ SO_2

80mg/m³ NOx 180mg/m³

GB16297-1996 2 VOCs

DB12/524-2014 2

GB14554-93 2

GB31571-2015 6

(DB32/3151-2016 1

GB/T3840-91

GB13271-2014 3

2019-2020

2019 97

50mg/m³

CO SO_2 HF HCl

GBl8484-2001

2

(GB/12348-2008 3

GB/18599-2001

2013 36

GB/18597-2001 2013 36

“ ”

1

2 “ ”

COD

COD

750t/d

3

RTO

SCR 18m 1# 114

“ ” 15m 2#

“ + ” 15m

3# “ SNCR + +

+ + ” 35m

4# 15m 5#

l5m 6# 15m

7# “ ” 15m

8# “

” 15m 9#)

4

GBl2348-2008 3

5 “ ”

10000t/a 2

9037.593t/a

8917.593t/a 7813.373t/a

120t/a

l 750m^2

6

2450m³

7

2020 38

8

9

1 ≤ 223963.22t/a COD ≤ 87.919t/a

≤ l.249t/a ≤ 1l.032t/a ≤ 0.0768t/a SS ≤ 59.903t/a ≤

l.236t/a ≤ 197.564t/a ≤ 0.0918t/a ≤ 3.950t/a ≤ l.054t/a

2

≤ l2.528t/a SO_2 ≤ 16.346t/a NOx ≤ 115.606t/a

VOCs 701

≤ 10.686t/a

CO ≤ 8.046t/a HF ≤ 0.536t/a ≤ 107.28TEQmg/a

701 ≤ 0.024t/a ≤ 0.0014t/a ≤ 0.127t/a ≤ 0.0263t/a

≤ 0.0032t/a ≤ 0.798t/a ≤ 2.145t/a ≤ 0.108t/a

≤ 0.0l27t/a ≤ 1.l23t/a ≤ 0.0219t/a ≤ 3.l66t/a

≤ 0.0345t/a ≤ 0.0l4t/a ≤ l.032t/a

≤ 0.0459t/a ≤ 0.0421t/a ≤ 0.0692t/a

≤ 3.235t/a

3

2017 56

2017 62

6

9

5

6

6.1

GB8978-1996 4

6.1-1

6.1-1 mg/L

pH	6-9	
COD	≤500mg/L	
SS	≤400mg/L	
NH_3-N	≤50mg/L	
TN	≤70mg/L	
TP	≤3mg/L	
	≤20mg/L	
	≤5mg/L	
	≤8000mg/L	
	≤0.5mg/L	GB8978-1996 4
	≤20 mg/L	

6.2

RTO 18m TAD

1 +2 +1 +1

29m

DB 32/3728-2019

GB31571-2015 6

VOCs

DB32 3151-2016 1

2

DB32/4041-2021 1

DB32/4041-2021 3

GB14554-93 2

1 VOCs

GB37822-2019 A.1

NMHC

6.2-1

6.2-1

	(mg/m^3)	(m)	(kg/h)	(mg/m^3)	
	20	18	4.94	0.5	DB 32/3728—2019
NOx	180	18	1.088	0.12	
SO_2	80	18	3.62	0.4	
	5	18	1.1	0.3	DB32/4041—2021
	/	18	7.48	1.5	GB14554-93
	/	29	18.8	1.5	
	/	18	0.48	0.06	
	1500	18	/	20	
	50	18 29	/	/	GB31571-2015
	25	18	3.46	0.60	DB32 3151-2016
VOCs	80	18	11.28	4.0	
	80	15	7.2		
	80	18	11.28	4.0	DB32 3151-2016
	1h	-		6	GB37822-2019 A.1
		-		20	

1389kg/h

300kg/h 2500kg/h

GB 18484-2020 3 VOCs

DB32

3151-2016 1 2

6.2-2

6.2-2 mg/m^3

		*	
1		30	1
		20	24
2		100	1
		80	24
3		300	1
		250	24
4		100	1
		80	24
5		4.0	1
		2.0	24
6		60	1
		50	24
7	ng TEQ/Nm^3	0.5	
8	VOCs	80	-

* 11% O_2

ρ=ρ' 21-11 / φ0 O_2 -φ' O_2)

ρ- mg/m^3

ρ'- mg/m^3

φ0 O_2 - % 21

φ' O_2 - %

6.3

GB12348-2008 6.3-1

6.3-1 dB(A)

3	65	55
3		

6.4

GB/T14848-2017

6.4-1

1	pH	6.5 8.5			5.5 6.5,8.5 9	5.5 9
2	COD_{Mn} O_2 mg/L	≤1.0	≤2.0	≤3.0	≤10	10
3	$CaCO_3$ mg/L	≤150	≤300	≤450	≤650	>650
4	mg/L	≤300	≤500	≤1000	≤2000	>2000
5	mg/L	≤0.001	≤0.001	≤0.002	≤0.01	>0.01
6	mg/L	≤50	≤150	≤250	≤350	350
7	mg/L	≤0.02	≤0.1	≤0.5	≤1.5	1.5
8	mg/L	≤50	≤150	≤250	≤350	350
9	mg/L	≤0.1	≤0.2	≤0.3	≤2.0	>2.0
10	mg/L	≤0.05	≤0.05	≤0.1	≤1.5	>1.5
11	mg/L	≤0.01	≤0.05	≤1.0	≤1.5	>1.5
12	mg/L	≤0.05	≤0.5	≤1.0	≤5.0	>5.0
13	mg/L	≤1.0	≤1.0	≤1.0	≤2.0	2.0
14	(N (mg/L)	≤2.0	≤5.0	≤20	≤30	>30
15	(N (mg/L)	≤0.01	≤0.10	≤1.00	≤4.80	>4.80
16	mg/L	≤0.001	≤0.01	≤0.05	≤0.1	>0.1
17	mg/L	≤1.0	≤1.0	≤1.0	≤2.0	>2.0
18	mg/L	≤0.001	≤0.001	≤0.01	≤0.05	>0.05
19	mg/L	≤0.0001	≤0.0001	≤0.001	≤0.002	>0.002
20	( )(Cr^{6+})(mg/L	≤0.005	≤0.01	≤0.05	≤0.1	>0.1
21	mg/L	≤0.005	≤0.005	≤0.01	≤0.1	>0.1
22	mg/L	≤0.0001	≤0.001	≤0.005	≤0.01	>0.01
23	μg/L	≤0.5	≤140	≤700	≤1400	>1400

6.5

6.5-1

6.5-1 mg/kg

		CAS				
1		7440-38-2	20	60	120	140
2		7440-43-9	20	65	47	172
3		18540-29-9	3	5.7	30	78
4		7440-50-8	2000	18000	8000	36000
5		7439-92-1	400	800	800	2500
6		7439-97-6	8	38	33	82
7		7440-02-0	150	900	600	2000
8		56-23-5	0.9	2.8	9	36
9		67-66-3	0.3	0.9	5	10
10		74-87-3	12	37	21	120
11	1,1	75-34-3	3	9	20	100
12	1,2	107-06-2	0.52	5	6	21
13	1,1	75-35-4	12	66	40	200
14	1,2	156-59-2	66	596	200	2000
15	1,2	156-60-5	10	54	31	163
16		1975-9-2	94	616	300	2000
17	1,2	78-87-5	1	5	5	47
18	1,1,1,2	630-20-6	2.6	10	26	100
19	1,1,2,2	79-34-5	1.6	6.8	14	50
20		127-18-4	11	53	34	183
21	1,1,1	71-55-6	701	840	840	840
22	1,1,2	79-00-5	0.6	2.8	5	15
23		1979-1-6	0.7	2.8	7	20
24	1,2,3	96-18-4	0.05	0.5	0.5	5
25		1975-1-4	0.12	0.43	1.2	4.3
26		71-43-2	1	4	10	40
27		108-90-7	68	270	200	1000
28	1,2	95-50-1	560	560	560	560
29	1,4	106-46-7	5.6	20	56	200
30		100-41-4	7.2	28	72	280
31		100-42-5	1290	1290	1290	1290
32		108-88-3	1200	1200	1200	1200
33	+	108-38-3	163	570	500	570

		106-42-3				
34		95-47-6	222	640	640	640
35		98-95-3	34	76	190	760
36		62-53-3	92	260	211	663
37	2-	95-57-8	250	2256	500	4500
38	[a]	56-55-3	5.5	15	55	151
39	[al	50-32-8	0.55	1.5	5.5	15
40	[b]	205-99-2	5.5	15	55	151
41	[k]	207-08-9	55	151	550	1500
42		218-01-9	490	1293	4900	12900
43	[a,h]	53-70-3	0.55	1.5	5.5	15
44	[1,2,3-cd]	193-39-5	5.5	15	55	151
45		91-20-3	25	70	255	700
46		/	1×10^{-5}	4×10^{-5}	1×10^{-4}	4×10^{-4}
47	C10-C40	/	826	4500	5000	9000

6.6

SO_2 ≤ 16.346t/a NO_X ≤ 115.606t/a ≤ 12.528t/a CO ≤ 8.046t/a HF ≤ 0.536t/a ≤ 107.28 TEQ mg/a 701 ≤ 0.024t/a ≤ 0.0014t/a ≤ 0.127t/a ≤ 0.0263t/a ≤ 0.0032t/a ≤ 0.798t/a ≤ 2.145t/a ≤ 0.108t/a ≤ 0.0127t/a ≤ 1.123t/a ≤ 0.0219t/a ≤ 3.166t/a ≤ 0.0345t/a ≤ 0.014t/a ≤ 1.032t/a ≤ 0.0459t/a ≤ 0.0421t/a ≤ 0.0692t/a ≤ 3.235t/a VOCs 701

≤ 10.686t/a

≤ 223963.22t/a COD ≤ 87.919t/a SS

≤ 59.903t/a ≤ 1.249t/a ≤ 11.032t/a ≤ 0.0768t/a ≤ 1.236t/a ≤ 0.0918t/a ≤ 3.950t/a ≤ 1.054t/a ≤ 197.564t/a

≤ 223963.22t/a COD ≤ 11.192t/a SS ≤ 4.479t/a ≤ 1.119t/a ≤ 3.359t/a ≤ 0.0768t/a ≤ 0.671t/a ≤ 0.0223t/a ≤ 0.671t/a ≤ 0.223t/a ≤ 197.564t/a

7

7.1

7.2

7.2-1 7-1

7.2-1

+ +		W1	pH COD SS	4 /d	2d
		W2	pH COD SS	4 /d	2d
		W3	pH COD SS	4 /d	2d
		W4	pH COD SS	4 /d	2d

7.3

7.3-1 7-1

7.3-1

	RTO 1 1		1-1#	NOx SO_2 VOCs	3 /d	2d
		18	1-2#	NOx SO_2 VOCs		

	TAD	29m	1-3#		3 /d	1d
		35m	1-4#	VOCs	3 /d	2d
		15m	1-5#	VOCs	3 /d	2d
			2-1#		3 /d	
			2-2# 2-3# 2-4#	VOCs	1 /d	2d
		3#	2-5#		3 /d	2d
			2-6#		3 /d	2d
			2-7#		3 /d	2d
			2-8#		3 /d	2d
			2-9#		3 /d	2d

7.4

1m

2 7.4-1 7-1

7.4-1

	N1 N8	1 2	2 /d 1	2d

7.5

3

7.5-1 7-1

7.5-1

	T1		0.2m		1 /d	1d
	T2		0.2m			
	T3	100m	0.2m	C_{10}-C_{40}		

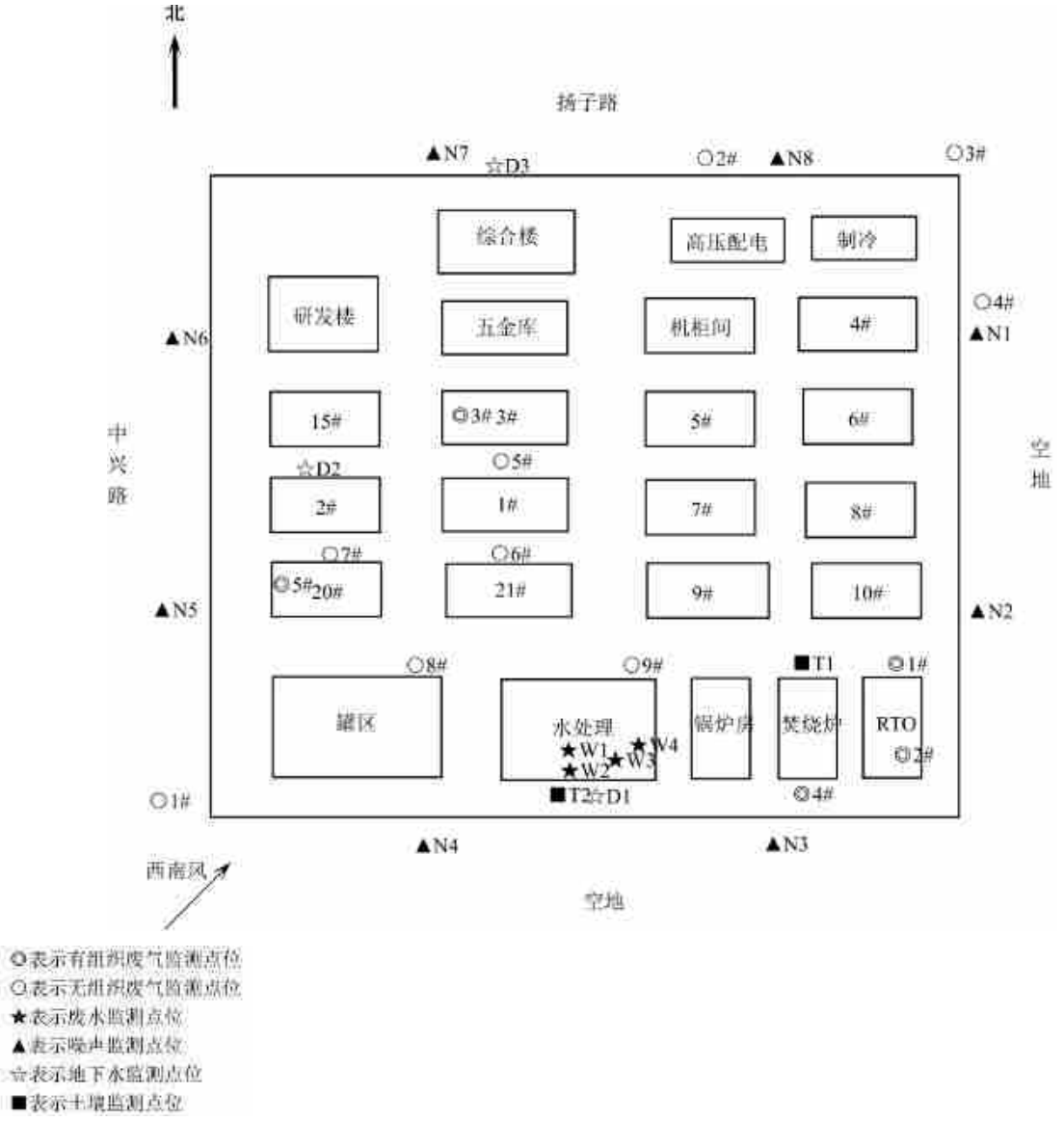
7.6

3

7.6-1 7-1

7.6-1

	D1		pH		
	D2	17#		2 /d	2d
	D3		( )		



7-1

8

8.1

8.1-1

8-1

	pH	pH (HJ1147-2020)	pH	pHB-4	MST SQ-15-05
		(HJ828-2017)		50mL	
		(GB/T11901-1989)		FA2204B	MST-01-07
		(HJ535-2009)		UV-1800	MST-03-02
		(GB/T11893-1989)		UV-1800	MST-03-02
		(HJ636-2012)		SP-756P	MST-03-09
		(HJ637-2018)		OIL 460	MST-03-07
		/ (HJ1067-2019)		GC7890A	MST-04-11
		/ (HJ895-2017)		GB9890B	MST-04-03
		(HJ/T51-1999)		FA2204B	MST-01-07
		GB/T 16157-1996 2017 87		FA2204B	MST-01-07
				3012H	MST SQ-09-04
		HJ 836-2017		AUM120D	MST-01-06
				3012H	MST SQ-09-04
				ZR-3260	MST SQ-09-05
		(HJ57-2017)		3012H	MST SQ-09-01 MST SQ-09-04
				ZR-3260	MST SQ-09-05

		(HJ693-2014)		3012H	MST SQ-09-01 MST SQ-09-04
				ZR-3260	MST SQ-09-05
		(HJ544-2016)		CIC-D 100	MST-04-13
				3012H	NMST SQ-09-04
				ZR-3260	MST SQ-09-05
		(HJ533-2009)		UV-1800	MST-03-08
				ZR-3920	MST SQ-11-01 MST SQ-11-02
		( ) (2003)5.4.10.3		UV-1800	MST-03-08
				ZR-3920	MST SQ-11-01 MST SQ-11-02
		(GB/T14675-1993)		MH3052	MST SQ-05-03 MST SQ-05-04
		/ - (HJ584-2010)		GC7890A	MST-04-11
				ZR-3920	MST SQ-11-01 MST SQ-11-02
				ZR-3920S	MST SQ-11-12
		(HJ/T33-1999)		GC9890B	MST-04-03
				MH3051	MST SQ-05-01 MST SQ-05-02
		(HJ38-2017)		GC9560	MST-04-04
				MH3052	MST SQ-05-03 MST SQ-05-04
		- / - (HJ734-2014)		6890A-5973N	MST-07-04
			VOC_S	MH3050	MST SQ-10-04 MST SQ-10-05
			VOC_S	ZR-3710B	MST SQ-11-11
			VOCs	ZR-3713	MST LY G-10-02
				CIC-D 100	MST-04-07

		(HJ549-2016)		ZR-3920S	MST SQ-11-12 MST SQ-11-13
		(HJ973-2018)		3012H	MST SQ-09-01
		- HJ 77.2-2008		ZR-3720	12100919091005
				NK5500	12100919050014
				2040C	12100920070023
				ZR-3950	12100919121003
			-	JMS-800D	12100219121001
		(GB/T15432-1995) (2018 31)		FA2204B	MST-01-07
				ZR-3920	MST SQ-11-01 MST SQ-11-02
				ZR-3920S	MST SQ-11-12 MST SQ-11-13
		- (HJ482-2009) (2018 31)		UV-1800	MST-03-08
				ZR-3920	MST SQ-11-01 MST SQ-11-02
				ZR-3920S	MST SQ-11-12 MST SQ-11-13
		( ) (HJ479-2009) (2018 31)		UV-1800	MST-03-08
				ZR-3920	MST SQ-11-01 MST SQ-11-02
				ZR-3920S	MST SQ-11-12 MST SQ-11-13
		(HJ544-2016)		CIC-D 100	MST-04-13
				ZR-3920	MST SQ-11-03 MST SQ-11-05 MST SQ-11-07 MST SQ-11-09
		(HJ533-2009)		UV-1800	MST-03-08

				ZR-3920	MST SQ-11-01 MST SQ-11-02
				ZR-3920S	MSTSQ-11-12 MSTSQ-11-13
		(GB/T14675-1993)		MH3052	MST SQ-05-03 MST SQ-05-04
		( ) (2003)5.4.10.3		UV-1800	MST-03-08
				ZR-3920	MST SQ-11-01 MST SQ-11-02
				ZR-3920S	MST SQ-11-12 MST SQ-11-13
		/ - (HJ584-2010)		GC6890N	MST-04-10
				ZR-3920	MST SQ-11-03 MST SQ-11-05 MST SQ-11-07 MST SQ-11-09
		((HJ/T33-1999)		GC9890B	MST-04-03
				ZR-3920	MST SQ-11-03 MST SQ-11-05 MST SQ-11-07 MST SQ-11-09
		- (HJ604-2017)		GC112N	MST-04-15
				MH3051	MST SQ-05-01 MST SQ-05-02
				MH3052	MST SQ-05-03 MST SQ-05-04
			VOCS	3036	MST SQ-05-05
		- / - (HJ644-2013)		6890-5973	MST-07-05
			VOCS	MH1200-E	MST SQ-11-14 MST SQ-11-15 MST SQ-11-16 MST SQ-11-17
		(HJ549-2016)		CIC-D 100	MST-04-07
				ZR-3920	MST SQ-11-04 MST SQ-11-06 MST SQ-11-08
		-		ZR-3720	12100919091005

		HJ 77.2-2008		NK5500	12100919050014
				2040C	12100920070023
				ZR-3950	12100919121003
			-	JMS-800D	12100219121001
				AWA 5688	MST SQ-14-02
		(GB12348-2008)		AWA6221A	NMST SQ-12-02
		(HJ491-2019)		TAS-990F	MST-03-04
		(GB/T17141-1997)		PEPinA Acle 900Z	MST-03-05
		2 (GB/T22105.2-2008)		AFS-10B	MST-03-11
		1 ((GB/T22105.1-2008)		AFS-10B	MST-03-11
		- (HJ1082-2019)		TAS-990F	MST-03-04
		/ - (HJ605-2011)		7890A-5977A	MST-07-03
		- (HJ834-2017)		6890N-5973N	MST-07-02
		3 3- (MST ZZ 003-2019)		6890N-5973N	MST-07-02
	(Cro-C40)	(Co-C40) (HJ1021-2019)		GC6890N	MST-04-09
		- HJ 77.4-2008	-	JMS-800D	12100219121001

		(GB/T13195-1991)			MSTS QBL 01
	pH	pH (HJ1147-2020)	pH	pHB-4	MST SQ-15-05
		(HJ535-2009)		UV-1800	MST-03-02
		( ) (HJ/T346-2007)		SP-756P	MST-03-09
		(GB/T7493-1987)		UV-1800	MST-03-10
		4- (HJ503-2009)		UV-1800	MST-03-08
		(GB/T5750.5-2006)4.1 -		UV-1800	MST-03-10
		EDTA (GB/T7477-1987)		25mL	
		( ) (2002)3.1.7.2( )		FA2204B	MST-01-07
		(GB/T5750.7-2006)1.1		50mL	
		( ) (HJ/T342-2007)		UV-1800	MST-03-10
		(GB/T11896-1989)		50mL	
		(GB/T7484-1987)		PXS-270	MST-02-05
		(GB/T7467-1987)		UV-1800	MST-03-10
		HJ694-2014)		AFS-10B	MST-03-11
		( ) (2002)3.4.7.4		PEPinA Acle 900	MST-03-05
		(GB/T11911-1989)		TAS-990F	MST-03-04
		(GB/T7475-1987)		TAS-990F	MST-03-04

				UV-1800	MST-03-01
		/ HJ 1067-2019		GC7890A	MST-04-11

8.2

(

:CMA161012050040)

508 164

8 359

82 18 70

45 21 9 107

7 2017 4 3

11 12 13 4 39

8.3

10%

10%

8.4

HJ/T 373-2007

GB/T 16157-1996

8.5

0.5dB

8.6

HJ/T 166 -2004

10%

10%

9

9.1

2022 8 25 ~9 01 12 21

12000 5000 15000

9.2

1

GB8978-1996 4

2 95.08%~95.87%

SS64.48%~65.35% 75.03%~80.12% 36.73%~37.96%

78.97%~79.22% 90.16%~90.2%

3 93.64%~95.42%

SS77.99%~80.17% 99.09%~99.14% 94.05%~94.06%

98.44~98.61% 92.68%~93.18% 71.2%~72.59%

9.2-1

9.2-1 (mg/L pH)

			pH	COD	SS							
2022 8 30	W1		8.6	136000	245	121	3650	0.0635	1190	4.56	1.34	27100
			8.7	129000	225	114	4000	0.0704	1330	4.69	1.43	28000
			8.5	141000	209	95	3770	0.0672	1290	4.58	1.23	28100
			8.8	145000	236	104	3860	0.0632	1330	4.62	1.51	27700
			8.65	137750	228.8	108.5	3820	0.06608	1285	4.6125	1.3775	27725
	W2		6.5	5810	85	189	686	1.62	770	0.98	0.13	4190
			6.6	5330	81	159	819	1.49	810	0.97	0.12	4030
			6.7	5640	72	168	750	1.53	794	1.00	0.15	4580
			6.7	5970	87	176	782	1.42	815	0.93	0.14	4400
			6.625	5687.5	81.25	173	759.25	1.515	797.25	0.97	0.135	4300
	%		-	95.87	64.48	-	80.12	-	37.96	78.97	90.20	-
	W3		6.8	2910	152	244	527	0.704	189	0.59	0.98	5610
			6.7	2400	137	233	580	0.712	202	0.60	0.91	5340
			6.6	2700	167	211	628	0.641	194	0.58	1.08	5900
			6.7	2550	130	225	569	0.590	207	0.66	0.85	5750
			6.7	2640	146.5	228.25	576	0.66175	198	0.6075	0.955	5650
	W4		7.2	162	37	1.87	31.7	0.009	12.5	0.60	0.26	826
			7.4	154	32	2.12	35.5	0.0102	14.5	0.64	0.29	853
			7.8	170	28	2.05	33.6	0.008	13.8	0.62	0.24	812
			7.8	186	32	1.79	36.2	0.0096	13.2	0.63	0.31	848
			7.55	168	32.25	1.9575	34.25	0.0092	13.5	0.6225	0.275	834.75
	%		-	93.64	77.99	99.14	94.05	98.61	93.18	-	71.20	-
			6-9	500	400	50	70	0.5	20	20	3	8000

			pH	COD	SS							
	W1		8.7	124500	223	118	3310	0.068	1310	4.65	1.41	27900
			8.8	121000	216	111	3610	0.0626	1180	4.70	1.33	28100
			8.6	117000	246	90.6	3390	0.0596	1290	4.64	1.51	27800
			8.5	113000	227	99.4	3710	0.0600	1350	4.59	1.24	27600
			8.65	118875	228	104.75	3505	0.06255	1282.5	4.645	1.3725	27850
	W2		6.6	5540	82	184	793	1.42	817	0.96	0.14	4310
			6.6	5740	79	154	931	1.60	788	0.97	0.15	4250
			6.7	6140	74	163	910	1.41	821	0.95	0.12	4670
			6.5	5960	81	168	867	1.72	820	0.98	0.13	4900
			6.6	5845	79	167.25	875.25	1.5375	811.5	0.965	0.135	4532.5
	%		-	95.08	65.35	-	75.03	-	36.73	79.22	90.16	-
2022 8 31	W3		6.7	2910	143	238	633	0.575	205	0.62	0.95	5850
			6.5	2730	162	224	686	0.626	171	0.70	1.02	5570
			6.8	2600	150	207	660	0.653	202	0.61	0.87	5990
			6.8	2980	150	219	739	0.588	190	0.63	1.10	5380
			6.7	2805	151.25	222	679.5	0.6105	192	0.64	0.985	5697.5
	W4		7.4	134	34	1.94	38.1	0.0092	12.8	0.72	0.28	836
			7.7	144	28	2.17	42.3	0.0082	13.9	0.67	0.26	822
			7.6	122	32	2.09	41.1	0.0102	14.2	0.65	0.31	820
			7.5	114	26	1.84	40.0	0.0104	15.3	0.74	0.23	844
			7.55	128.5	30	2.01	40.375	0.0095	14.05	0.695	0.27	830.5
	%		-	95.42	80.17	99.09	94.06	98.44	92.68	-	72.59	-
			6-9	500	400	50	70	0.5	20	20	3	8000

9.3

9.3.1

1 RTO

DB 32/3728-2019

GB31571-2015

DB32 3151-2016

DB32/4041-2021

GB14554-93

VOCs DB12 524-2014

98.48%~98.60%

81.55%~82.93% VOCs 92.53%~93.66%

9.3-1 RTO

			2022.8.30		2022.8.31	
			(mg/m^3)	(kg/h)	(mg/m^3)	(kg/h)
			22.1	0.770	21.5	0.750
			20.1	0.703	23.3	0.810
			21.3	0.742	22.4	0.776
			21.17	0.738	22.4	0.779
			2.2	0.070	2.8	0.091
			2.5	0.080	2.3	0.074
			1.6	0.052	1.9	0.060
			2.1	0.067	2.33	0.075
			-	90.92%	-	93.58%
			20	4.94	20	4.94
			ND 3	-	ND 3	-
			ND 3	-	ND 3	-
			ND 3	-	ND 3	-
NOx			-	-	-	-
			ND 3	-	ND 3	-
			ND 3	-	3	0.096
			ND 3	-	3	0.095

			-	-	-	-
			-	-	-	-
			180	1.088	180	1.088
			ND 3	-	ND 3	-
			ND 3	-	ND 3	-
			ND 3	-	ND 3	-
			-	-	-	-
			ND 3	-	ND 3	-
SO_2			ND 3	-	ND 3	-
			ND 3	-	ND 3	-
			-	-	-	-
			-	-	-	-
			80	3.62	80	3.62
			4.28	0.154	6.11	0.213
			4.24	0.141	7.56	0.266
			4.61	0.150	7.39	0.264
			4.38	0.148	7.02	0.248
			ND 0.20	-	ND 0.20	-
			ND 0.20	-	ND 0.20	-
			ND 0.20	-	ND 0.20	-
			ND 0.20	-	ND 0.20	-
			-	-	-	-
			5	1.1	5	1.1
			19.3	0.673	19.7	0.687
			18.6	0.650	19.1	0.664
			19.9	0.693	20.2	0.699
			19.27	0.672	19.67	0.683
			0.32	0.010	0.34	0.011
			0.28	0.00898	0.34	0.011
			0.28	0.00918	0.29	0.00918
			0.29	0.0094	0.32	0.0104
			-	98.60%	-	98.48%
			/	7.48	/	7.48
			0.827	0.029	0.844	0.029
			0.882	0.031	0.850	0.030
			0.833	0.029	0.867	0.030
			0.847	0.03	0.854	0.03
			ND 0.006	-	ND 0.006	-

			ND 0.006	-	ND 0.006	-
			ND 0.006	-	ND 0.006	-
			-	-	-	-
			-	-	-	-
			/	0.48	/	0.48
			55	-	73	-
			73	-	98	-
			98	-	55	-
			75.33	-	75.33	-
			31	-	41	-
( )			41	-	41	-
			41	-	31	-
			37.68	-	37.67	-
			-	-	-	-
			1500	/	1500	/
			ND 1.5×10^{-3}	-	ND 1.5×10^{-3}	-
			ND 1.5×10^{-3}	-	ND 1.5×10^{-3}	-
			ND 1.5×10^{-3}	-	ND 1.5×10^{-3}	-
			ND 1.5×10^{-3}	-	ND 1.5×10^{-3}	-
			ND 1.5×10^{-3}	-	ND 1.5×10^{-3}	-
			ND 1.5×10^{-3}	-	ND 1.5×10^{-3}	-
			-	-	-	-
			-	-	-	-
			25	3.46	25	3.46
			ND 0.5	-	ND 0.5	-
			ND 0.5	-	ND 0.5	-
			ND 0.5	-	ND 0.5	-
			-	-	-	-
			ND 0.5	-	ND 0.5	-
			ND 0.5	-	ND 0.5	-
			ND 0.5	-	ND 0.5	-
			-	-	-	-
			-	-	-	-
			50	/	50	/
			13.5	0.471	13.0	0.453
			13.3	0.465	12.7	0.442
			14.2	0.494	13.2	0.457

			13.67	0.477	12.97	0.451
			2.72	0.086	2.46	0.080
			2.81	0.090	1.67	0.076
			2.65	0.087	2.33	0.075
			2.73	0.088	2.15	0.077
			-	81.55%	-	82.93%
			80	11.28	80	11.28
			23.2	0.809	27.7	0.966
			33.5	1.17	27.4	0.953
			30.2	1.05	23.4	0.810
			28.97	1.01	26.17	0.91
			1.93	0.061	2.02	0.066
VOCs			1.13	0.036	1.67	0.054
			2.90	0.095	2.33	0.074
			1.99	0.064	2.01	0.065
			-	93.66%	-	92.53%
			80	3.08	80	3.08
1				ND		2mg/m³
		2mg/m³		2mg/m³		0.001mg/m³

2

GB18484-2020 VOCs

DB12 524-2014

9.3-2

		2022.8.30		2022.8.31	
		(mg/m^3)	(kg/h)	(mg/m^3)	(kg/h)
		2.0	0.087	1.6	0.071
		2.7	0.119	1.9	0.084
		1.8	0.080	2.5	0.109
		2.17	0.095	2.0	0.088
		30	-	30	-
		118	5.14	117	5.18
		117	5.14	117	5.18
		117	5.19	117	5.09
		117.33	5.16	117	5.15

		300	-	300	-
		ND 3	-	ND 3	-
		ND 3	-	ND 3	-
		ND 3	-	ND 3	-
		-	-	-	-
		100	-	100	-
		2.27	0.099	2.26	0.100
		2.38	0.105	2.34	0.104
		2.31	0.102	2.41	0.105
		2.32	0.102	2.34	0.103
		60	-	60	-
			-		-
		1.59	0.069	1.62	0.072
		1.67	0.073	1.68	0.074
		1.55	0.069	1.80	0.078
		1.603	0.070	1.7	0.075
		4.0	-	4.0	-
			-		-
		6	0.262	6	0.266
		6	0.264	6	0.266
		6	0.266	6	0.261
		6	0.264	6	0.264
		100	-	100	-
			-		-
VOCs		8.71	0.380	7.99	0.354
		6.92	0.304	7.91	0.350
		8.43	0.374	7.97	0.347
		8.02	0.353	7.96	0.350
		80	-	80	-
			-		-
ngTEQ/m^3		0.018	-	0.0089	-
		0.012	-	0.013	-
		0.013	-	0.0092	-
		0.0143	-	0.0104	-
		0.5	-	0.5	-
			-		-

3 VOCs

DB12 524-2014

9.3-3

			2022.8.30		2022.8.31	
			(mg/m^3)	(kg/h)	(mg/m^3)	(kg/h)
VOCs			5.68	0.044	4.95	0.039
			5.27	0.040	5.33	0.041
			5.35	0.040	5.59	0.044
			5.43	0.0413	5.29	0.0413
			80	11.28	80	11.28

4 TAD

GB14554-93

GB31571-2015

9.3-4TAD

			2022.12.21	
			(mg/m^3)	(kg/h)
			1.25	0.000535
			1.37	0.000586
			1.32	0.000609
			1.313	0.000577
			-	18.8
			-	
			ND	0.000128
			ND	0.000128
			ND	0.000138
			-	0.000132
			50	-
				-

9.3.2

9.3-5

9.3-6

NOx SO_2

DB 32/3728-2019

DB32/4041—2021

GB14554-93

DB32 3151-2016 VOCs

DB12 524-2014

9.3-6

GB37822-2019 A.1

9.3-5

				kPa	m/s	
	2-1#	2022 8 25 10:32~ 2022 8 26 06:32	21.3-29.1	105.4~101.1	1.5~2.1	
	2-2#	2022 8 25 10:47~ 2022 8 26 06:47	21.6~28.9	100.9~101.1	1.5~2.1	
	2-3#	2022 8 25 10:57~ 2022 8 26 06:57	21.3~28.9	100.5~100.7	1.5~2.1	
	2-4#	2022 8 25 10:36~ 2022 8 26 06:36	24.1~32.4	100.9~101.1	1.4~2.0	
	2-1#	2022 8 26 11:34~ 2022 8 27 07:34	23.1~30.4	100.7~101.4	1.6~2.0	
	2-2#	2022 8 26 11:03~ 2022 8 27 07:03	22.3~29.1	100.8~101.2	1.6~2.0	
	2-3#	2022 8 26 11:17~ 2022 8 27 07:17	21.7~28.7	100.4~100.9	1.6~2.1	
	2-4#	2022 8 26 11:06~ 2022 8 27 07:06	24.6~30.2	100.8~101.3	1.5~2.1	
NO_X SO_2 HCl	2-1#	2022 08 30	19.2~24.6	100.12~100.3	1.8	
	2-2#	2022 08 30	19.2~24.6	100.12~100.3	1.8	
	2-3#	2022 08 30	19.2~24.6	100.12~100.3	1.8	
	2-4#	2022 08 30	19.2~24.6	100.12~100.3	1.8	
	2-1#	2022 08 31	24.3~29.4	100.02~100.25	1.9	
		2022 08 31	24.3~	100.02~100.25	1.9	

VOCs	2-2#		29.4			
	2-3#	2022 08 31	24.3~29.4	100.02~100.25	1.9	
	2-4#	2022 08 31	24.3~29.4	100.02~100.25	1.9	
	3#2-5#	2022 08 30	20.2~23.3	100.14~100.25	1.8	
	2-6#	2022 08 30	20.2~23.3	100.14~100.25	1.8	
	2-7#	2022 08 30	20.2~23.3	100.14~100.25	1.8	
	2-8#	2022 08 30	20.2~23.3	100.14~100.25	1.8	
	2-9#	2022 08 30	20.2~23.3	100.14~100.25	1.8	
	3#2-5#	2022 08 31	23~28.9	100.11~100.30	1.9	
	2-6#	2022 08 31	23~28.9	100.11~100.30	1.9	
	2-7#	2022 08 31	23~28.9	100.11~100.30	1.9	
	2-8#	2022 08 31	23~28.9	100.11~100.30	1.9	
	2-9#	2022 08 31	23~28.9	100.11~100.30	1.9	

9.3-6

		2022 8 30				2022 8 31						
		2-1#	2-2#	2-3#	2-4#	2-1#	2-2#	2-3#	2-4#			
pg TEQ/m^3	-	0.040	0.044	0.038	0.046	0.11	0.092	0.084	0.090	1.65		-
(mg/m^3)		0.133	0.311	0.422	0.244	0.156	0.267	0.444	0.311	0.5		-
		0.178	0.200	0.467	0.356	0.111	0.356	0.400	0.244			-
		0.111	0.333	0.400	0.289	0.133	0.222	0.422	0.378			-
(mg/m^3)		0.054	0.066	0.076	0.060	0.054	0.061	0.074	0.061	0.12		-
		0.049	0.064	0.074	0.068	0.047	0.067	0.081	0.068			-
		0.052	0.062	0.087	0.065	0.053	0.066	0.073	0.066			-
(mg/m^3)		0.025	0.034	0.046	0.038	0.026	0.040	0.047	0.034	0.4		-
		0.029	0.037	0.049	0.039	0.030	0.038	0.048	0.038			-
		0.027	0.035	0.046	0.035	0.028	0.035	0.049	0.039			-
(mg/m^3)		0.020	0.030	0.036	0.033	0.024	0.031	0.040	0.035	0.05		-
		0.023	0.032	0.038	0.035	0.023	0.033	0.041	0.032			-
		0.025	0.031	0.038	0.034	0.022	0.032	0.040	0.034			-
(mg/m^3)		0.026	0.049	0.056	0.056	0.027	0.050	0.055	0.055	0.3		-
		0.027	0.039	0.053	0.052	0.028	0.053	0.056	0.063			-
		0.026	0.040	0.053	0.057	0.026	0.058	0.056	0.057			-
(mg/m^3)		0.04	0.10	0.20	0.13	0.03	0.09	0.19	0.12	1.5		-
		0.05	0.11	0.20	0.12	0.04	0.09	0.16	0.13			-
		0.05	0.12	0.21	0.14	0.04	0.10	0.17	0.11			-
(mg/m^3)		ND	ND	ND	ND	ND	ND	ND	ND	0.06		-
		ND	ND	ND	ND	ND	ND	ND	ND			-

		ND	ND	ND	ND	ND	ND	ND	ND			-
		<10	<10	<10	<10	<10	<10	<10	<10			-
		<10	<10	<10	<10	<10	<10	<10	<10	20		-
		<10	<10	<10	<10	<10	<10	<10	<10			-
		ND	ND	ND	ND	ND	ND	ND	ND			-
(mg/m^3)		ND	ND	ND	ND	ND	ND	ND	ND	0.6		-
		ND	ND	ND	ND	ND	ND	ND	ND			-
		ND	ND	ND	ND	ND	ND	ND	ND			-
(mg/m^3)		ND	ND	ND	ND	ND	ND	ND	ND	/		-
		ND	ND	ND	ND	ND	ND	ND	ND			-
		0.77	1.00	1.24	1.20	0.83	1.20	1.01	1.19			-
(mg/m^3)		0.85	1.13	1.09	1.14	0.98	1.03	1.23	1.14	4.0		-
		0.71	1.04	1.19	1.22	0.94	1.08	1.11	1.22			-
VOCs		0.087	0.246	0.310	0.682	0.108	0.208	0.281	0.349			-
(mg/m^3)		0.141	0.246	0.195	0.536	0.247	0.170	0.210	0.348	2.0		-
		0.132	0.264	0.263	0.792	0.123	0.194	0.257	0.440			-
												ND
0.1mg/m³			7.5×10^{-4} mg/m³			0.001 mg/m³						

9.3-7

		2022 8 30					2022 8 31							
		3# 2-5#	2-6#	2-7#	2-8#	2-9#	3# 2-5#	2-6#	2-7#	2-8#	2-9#			
		1.38	1.41	1.33	1.59	1.67	1.68	1.76	1.65	1.59	1.89			-
		1.35	1.62	1.46	1.63	1.61	1.48	1.44	1.40	1.80	1.64	6		-
(mg/m^3)		1.58	1.52	1.80	1.73	1.68	1.30	1.39	1.79	1.78	1.53			-

9.4

Leq

GB12348-2008 3 9.4-1

9.4-1 (dB(A))

		(2022.08.30~2022.08.31)	Leq			
N1	1	09:27~09:32	55.2	dB(A)	65	
		22:07~22:12	45.7	dB(A)	55	
N2	1	09:44~09:49	51.8	dB(A)	65	
		22:25~22:30	44.9	dB(A)	55	
N3	1	10:00~10:05	53.1	dB(A)	65	
		22:44~22:49	44.3	dB(A)	55	
N4	1	10:17~10:22	52.6	dB(A)	65	
		23:01~23:06	44.2	dB(A)	55	
N5	1	10:35~10:40	52.0	dB(A)	65	
		23:25~23:30	45.0	dB(A)	55	
N6	1	10:52~10:57	50.9	dB(A)	65	
		23:51~23:56	43.3	dB(A)	55	
N7	1	11:10~11:15	54.7	dB(A)	65	
		00:08~00:13	46.3	dB(A)	55	
N7	1	11:10~11:15	54.7	dB(A)	65	
		00:08~00:13	46.3	dB(A)	55	
N8	1	11:28~11:33	52.8	dB(A)	65	
		00:28~00:33	46.1	dB(A)	55	
		(2022.08.31~2022.09.01)	Leq			
N1	1	12:32~12:37	52.0	dB(A)	65	
		22:23~22:28	43.5	dB(A)	55	
N2	1	12:49~12:54	52.0	dB(A)	65	
		22:42~22:47	42.5	dB(A)	55	
N3	1	13:06~13:11	52.2	dB(A)	65	
		23:04~23:09	42.6	dB(A)	55	
N4	1	13:25~13:30	55.9	dB(A)	65	
		23:26~23:31	48.0	dB(A)	55	
N5	1	13:42~13:47	55.0	dB(A)	65	
		23:50~23:55	43.9	dB(A)	55	
N6	1	14:00~14:05	50.2	dB(A)	65	
		00:10~00:15	42.5	dB(A)	55	

N7	1	14:17~14:22	51.5	dB(A)	65	
		00:29~00:34	43.2	dB(A)	55	
N8	1	14:32~14:37	53.0	dB(A)	65	
		00:54~00:59	43.9	dB(A)	55	

9.5

9.5-1

GB/T14848-2017

9.5-1

		D1		D217#		D3		
		2022 08 30						
		9.4	9.4	9.6	9.6	9.8	9.6	
pH		7.5	7.5	7.4	7.5	7.5	7.4	6.5~8.5
	mg/L	0.086	0.066	0.141	0.163	0.091	0.116	0.5
	mg/L	0.52	0.49	1.39	1.29	0.24	0.22	20
	mg/L	ND (0.003)	ND (0.003)	0.412	0.395	ND (0.003)	ND (0.003)	1.00
	mg/L	ND (0.0003)	ND (0.0003)	ND (0.0003)	ND (0.0003)	ND (0.0003)	ND (0.0003)	0.002
	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	0.05
	mg/L	166	176	376	380	276	264	450
	mg/L	282	263	652	639	471	477	1000
	mg/L	1.55	1.86	1.74	2.14	1.90	1.66	3.0
	mg/L	69.6	71.8	48.0	46.9	80.0	79.0	250
	mg/L	73.0	70.0	152	160	112	117	250
	mg/L	0.46	0.43	0.39	0.37	0.51	0.56	1.0
	mg/L	ND (0.004)	ND (0.004)	ND (0.004)	ND (0.004)	ND (0.004)	ND (0.004)	0.05
	mg/L	ND	ND	ND	ND	ND	ND	0.01

		(3×10^{-4})	(3×10^{-4})	(3×10^{-4})	(3×10^{-4})	(3×10^{-4})	(3×10^{-4})	
	mg/L	ND (4×10^{-5})	ND (4×10^{-5})	ND (4×10^{-5})	ND (4×10^{-5})	ND (4×10^{-5})	ND (4×10^{-5})	0.001
	mg/L	ND (2×10^{-4})	ND (2×10^{-4})	3×10^{-4}	2.7×10^{-4}	3.9×10^{-4}	6.5×10^{-4}	0.01
	mg/L	ND (1×10^{-5})	ND (1×10^{-5})	ND (1×10^{-5})	ND (1×10^{-5})	4×10^{-5}	4×10^{-5}	0.005
	mg/L	ND (0.03)	ND (0.03)	ND (0.03)	ND (0.03)	ND (0.03)	ND (0.03)	0.3
	mg/L	0.02	0.02	0.09	0.09	0.09	0.08	0.1
	mg/L	ND (3.8×10^{-4})	ND (3.8×10^{-4})	ND (3.8×10^{-4})	ND (3.8×10^{-4})	ND (3.8×10^{-4})	ND (3.8×10^{-4})	1.0
	mg/L	ND 0.01	ND 0.01	ND 0.01	ND 0.01	ND 0.01	ND 0.01	1.0
	mg/L	0.03	0.03	0.02	0.02	0.02	0.03	-
	μg/L	ND 2	ND 2	ND 2	ND 2	ND 2	ND 2	700
		D1		D217#		D3		
	2022 08 31							
		9.8	10.2	9.8	10.4	10.0	10.2	
pH		7.5	7.4	7.4	7.3	7.4	7.5	6.5~ 8.5
	mg/L	0.069	0.053	0.153	0.181	0.106	0.134	0.5
	mg/L	0.61	0.53	1.56	1.46	0.23	0.27	20
	mg/L	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	1.00
	mg/L	ND (0.0003)	ND (0.0003)	ND (0.0003)	ND (0.0003)	ND (0.0003)	ND (0.0003)	0.002
	mg/L	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	0.05
	mg/L	204	198	322	336	244	256	450
	mg/L	261	270	646_	630	461	449	1000
	mg/L	1.89	2.12	2.28	1.96	1.71	1.59	3.0
	mg/L	67.6	73.7	44.9	48.2	77.1	81.0	250

	mg/L	62.0	58.0	151	159	128	121	250
	mg/L	0.42	0.46	0.35	0.39	0.48	0.46	1.0
	mg/L	ND (0.004)	ND (0.004)	ND (0.004)	ND (0.004)	ND (0.004)	ND (0.004)	0.05
	mg/L	ND (3×10^{-4})	ND (3×10^{-4})	ND (3×10^{-4})	ND (3×10^{-4})	ND (3×10^{-4})	ND (3×10^{-4})	0.01
	mg/L	ND (4×10^{-5})	ND (4×10^{-5})	ND (4×10^{-5})	ND (4×10^{-5})	ND (4×10^{-5})	ND (4×10^{-5})	0.001
	mg/L	ND (2×10^{-4})	ND (2×10^{-4})	2.8×10^{-4}	2.6×10^{-4}	5.0×10^{-4}	4.7×10^{-4}	0.01
	mg/L	ND (1×10^{-5})	ND (1×10^{-5})	ND (1×10^{-5})	ND (1×10^{-5})	2×10^{-5}	2×10^{-5}	0.005
	mg/L	ND (0.03)	ND (0.03)	ND (0.03)	ND (0.03)	ND (0.03)	ND (0.03)	0.3
	mg/L	0.02	0.03	0.09	0.09	0.08	0.08	0.1
	mg/L	ND (3.8×10^{-4})	ND (3.8×10^{-4})	ND (3.8×10^{-4})	ND (3.8×10^{-4})	ND (3.8×10^{-4})	ND (3.8×10^{-4})	1.0
	mg/L	ND 0.01	ND 0.01	ND 0.01	ND 0.01	ND 0.01	ND 0.01	1.0
	mg/L	0.03	0.02	0.02	0.02	0.03	0.02	-
	μg/L	ND 2	ND 2	ND 2	ND 2	ND 2	ND 2	700
ND								

9.6

2022 8 25 2022 8 31

pH

VOCs SVOCs

C_{10}-C_{40}

GB36600-2018

9.6-1

		T1	T2	T3 100m	
		0.2m	0.2m	0.2m	
		118.377603716° 34.101412041°	118.376938528° 34.100961429°	118.375677890° 34.101159913°	
		0.2m	0.2m	0.2m	mg/kg

	mg/kg	17	17	16	18000
	mg/kg	32	32	33	900
	mg/kg	25.0	20.7	16.2	800
	mg/kg	0.10	0.17	0.11	65
	mg/kg	7.46	32	12.9	60
	mg/kg	0.046	0.083	0.059	38
	mg/kg	ND(0.5)	ND(0.5)	ND(0.5)	5.7
	mg/kg	ND(1.3×10^{-3})	ND(1.3×10^{-3})	ND(1.3×10^{-3})	2.8
	mg/kg	ND(1.1×10^{-3})	ND(1.1×10^{-3})	ND(1.1×10^{-3})	0.9
	mg/kg	ND(1×10^{-3})	ND(1×10^{-3})	ND(1×10^{-3})	37
1 1-	mg/kg	ND(1.2×10^{-3})	ND(1.2×10^{-3})	ND(1.2×10^{-3})	9
1 2-	mg/kg	ND(1.3×10^{-3})	ND(1.3×10^{-3})	ND(1.3×10^{-3})	5
1 1-	mg/kg	ND(1×10^{-3})	ND(1×10^{-3})	ND(1×10^{-3})	66
-1 2-	mg/kg	ND(1.3×10^{-3})	ND(1.3×10^{-3})	ND(1.3×10^{-3})	596
-1 2-	mg/kg	ND(1.4×10^{-3})	ND(1.4×10^{-3})	ND(1.4×10^{-3})	54
	mg/kg	ND(1.5×10^{-3})	ND(1.5×10^{-3})	ND(1.5×10^{-3})	616
1 2-	mg/kg	ND(1.1×10^{-3})	ND(1.1×10^{-3})	ND(1.1×10^{-3})	5
1 1 1 2-	mg/kg	ND(1.2×10^{-3})	ND(1.2×10^{-3})	ND(1.2×10^{-3})	10
1 1 2 2-	mg/kg	ND(1.2×10^{-3})	ND(1.2×10^{-3})	ND(1.2×10^{-3})	6.8
	mg/kg	ND(1.4×10^{-3})	ND(1.4×10^{-3})	ND(1.4×10^{-3})	53
1 1 1-	mg/kg	ND(1.3×10^{-3})	ND(1.3×10^{-3})	ND(1.3×10^{-3})	840
1 1 2-	mg/kg	ND(1.2×10^{-3})	ND(1.2×10^{-3})	ND(1.2×10^{-3})	2.8
	mg/kg	ND(1.2×10^{-3})	ND(1.2×10^{-3})	ND(1.2×10^{-3})	2.8
1 2 3-	mg/kg	ND(1.2×10^{-3})	ND(1.2×10^{-3})	ND(1.2×10^{-3})	0.5
	mg/kg	ND(1×10^{-3})	ND(1×10^{-3})	ND(1×10^{-3})	0.43
	mg/kg	ND(1.9×10^{-3})	ND(1.9×10^{-3})	ND(1.9×10^{-3})	4
	mg/kg	ND(1.2×10^{-3})	ND(1.2×10^{-3})	ND(1.2×10^{-3})	270
1 2-	mg/kg	ND(1.5×10^{-3})	ND(1.5×10^{-3})	ND(1.5×10^{-3})	560
1 4-	mg/kg	ND(1.5×10^{-3})	ND(1.5×10^{-3})	ND(1.5×10^{-3})	20
	mg/kg	ND(1.2×10^{-3})	ND(1.2×10^{-3})	ND(1.2×10^{-3})	28
	mg/kg	ND(1.1×10^{-3})	ND(1.1×10^{-3})	ND(1.1×10^{-3})	1290
	mg/kg	ND(1.3×10^{-3})	ND(1.3×10^{-3})	ND(1.3×10^{-3})	1200
	mg/kg	ND(1.2×10^{-3})	ND(1.2×10^{-3})	ND(1.2×10^{-3})	570
	mg/kg	ND(1.2×10^{-3})	ND(1.2×10^{-3})	ND(1.2×10^{-3})	640
2-	mg/kg	ND(0.06)	ND(0.06)	ND(0.06)	2256
	mg/kg	ND(0.09)	ND(0.09)	ND(0.09)	76
	mg/kg	ND 0.04	ND 0.04	ND 0.04	260
	mg/kg	ND(0.09)	ND(0.09)	ND(0.09)	70

[a]	mg/kg	ND(0.10)	ND(0.10)	ND(0.10)	15
	mg/kg	ND(0.10)	ND(0.10)	ND(0.10)	1293
[b]	mg/kg	ND(0.20)	ND(0.20)	ND(0.20)	15
[k]	mg/kg	ND(0.10)	ND(0.10)	ND(0.10)	151
[a]	mg/kg	ND(0.10)	ND(0.10)	ND(0.10)	1.5
[1 2 3-cd]	mg/kg	ND(0.10)	ND(0.10)	ND(0.10)	15
[a h]	mg/kg	ND(0.10)	ND(0.10)	ND(0.10)	1.5
C_{10}-C_{40}	mg/kg	57.7	48.5	37.6	4500
	mg/kg	0.40×10^{-6}	0.35×10^{-6}	0.3×10^{-6}	4×10^{-5}
ND					

9.7

750m^2

GB18597-2001

[2019]327

“ 1 ”

“ 2

”

9.8

12000 5000 15000

9.8-1 9.8-2

9.8-1

		t/a	t/a	
		1.286	12.528	
		40.482	115.606	
		-	16.346	
	VOCs	3.9172	10.686	
		-	0.0127	
		0.1007	0.127	
		-	0.0014	
		-	0.798	
		-	2.145	
		1.9008	8.046	
		0.7506	1.123	
		0.522	0.536	
		2.87 TEQ mg/a	107.28 TEQ mg/a	
		0.594	3.235	

17# 701 702

706 18# 3853 292

RTO

9.8-2

		t/a	t/a	
	COD	23.689	87.919	
		0.317	1.249	
		5.962	11.032	
		0.044	0.0768	
		159780	223963.22	
		4.973	59.903	
		0.105	1.236	
		0.001	0.0918	
		2.201	3.950	
		133.037	197.564	

17# 701 702

706 18# 3853 292

532.6t

10

10.1

10.1.1

“ 12000 5000
15000 ”
“ ”

10.1.2

10.1.3

GB8978-1996
4

95.08%~95.87%
SS64.48%~65.35% 75.03%~80.12% 36.73%~37.96%
78.97%~79.22% 90.16%~90.2%
93.64%~95.42% SS77.99%~80.17% 99.09%~99.14%
94.05%~94.06% 98.44~98.61% 92.68%~93.18%
71.2%~72.59%

10.1.4

1 RTO

DB 32/3728-2019

GB31571-2015

DB32 3151-2016

DB32/4041-2021

GB14554-93

GB31571-2015

VOCs DB12/524-2014 98.48%~98.60%

81.55%~82.93% VOCs 92.53%~93.66%

2

GB18484-2020 VOCs

DB12/524-2014

3 VOCs

DB12/524-2014

4 TAD

GB14554-93

GB31571-2015

5 NOx SO_2

DB 32/3728-2019

DB32/4041—2021

GB14554-93

DB32 3151-2016 VOCs

DB12/524-2014

GB37822-2019 A.1

10.1.5

LeqdB A GB12348-2008

3

10.1.6 ( )

10.1.7

12000 5000 15000

10.2

1

2

3

4

建设项目工程竣工环境保护“三同时”竣工验收登记表

填表单位（盖章）：

填表人（签字）：

项目经办人（签字）：

建设项目	项目名称	年产12000吨光稳定剂、5000吨UV吸收剂及15000吨癸二酸二甲酯系列新材料项目		项目代码	2020-321311-26-03-304849	建设地点	宿迁生态化工科技产业园扬子路89号
	行业类别	化学原料和化学制品制造业	建设性质	√新建 □改扩建 □技术改造		项目厂区中心经度/纬度	E118.383393，N34.101891
	设计生产能力	年产2000吨TAD、500吨UV-123、500吨光稳定剂114、200吨光稳定剂585、100吨副产品叔丁醇、、600吨副产品硫酸铵	实际生产能力	年产2000吨TAD、500吨UV-123、500吨光稳定剂114、200吨光稳定剂585、100吨副产品叔丁醇（硫酸钠未生产）		环评单位	江苏润天环境科技有限公司
	环评文件审批机关	宿迁市生态环境局	审批文号	宿环建管〔2020〕24号		环评文件类型	报告书
	开工日期	2021年12月1日	竣工日期		2022年6月30日	排污许可证申领时间	2021年6月2日
	环保设施设计单位	废水、废气处理设施设计单位：南京工大开元环保科技有限公司、江苏政联建设有限公司；危险焚烧处理设施设计单位：四川睿凌轩市政工程有限公司	环保设施施工单位	废水、废气处理设施施工单位：南京工大开元环保科技有限公司、江苏政联建设有限公司；危废焚烧处理设施施工单位：宿迁项王机械设备有限公司		本工程排污许可证编号	91321311MA1XD84J2U001V
	验收单位	宿迁盛瑞新材料有限公司	环保设施监测单位		江苏迈斯特环境检测有限公司	验收监测时工况	验收期间运行稳定
	投资总概算（万元）	60000	环保投资总概算（万元）		4510	所占比例（%）	7.52
	实际总投资	60000	实际环保投资（万元）		4510	所占比例（%）	7.52

		1460		1700		20		1000		30		300	
		-					-		7200h				
					91321311MA1XD84J2U				2022 8 ~9				
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	“ ” (8)	t/a(9)	t/a (10)	(11)	(12)	
									159780	223963.22			
									23.689	87.919			
									0.317	1.249			
									5.962	11.032			
									0.044	0.0768			
									4.973	59.903			
									0.105	1.236			
									0.001	0.0918			
									2.201	3.950			
									133.037	197.564			
									1.286	12.528			
									40.482	115.606			
									-	16.346			
	VOCs								3.9172	10.686			
									-	0.0127			
									0.1007	0.127			

										-	0.0014		
										-	0.798		
										-	2.145		
										1.9008	8.046		
										0.7506	1.123		
										0.522	0.536		
										2.87 TEQ mg/a	107.28 TEQ mg/a		
										0.594	3.235		
										-	-		

1 + - 2 (12)=(6)-(8)-(11) 9 = (4)-(5)-(8)- (11) + 1