Supplementary Information:

Promoting the Establishment of China's Rural Domestic Wastewater Standard System Based on the 6S Principle

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Table S1 Standard list for rural domestic wastewater discharge at the province level

	Standard no.	Standard name	Issuing date	Implementing date	Province/ Autonomous region/ Municipality directly under the central government
1	DB 64/T699-2011	Technical specifications of domestic wastewater pollution for town and village	9/5/2011	Revised in 2020	Ningxia
	DB 64/700-2020	Discharge standard of water pollutants for rural sewage treatment facilities	2/28/2020	5/8/2020	
2	DB 14/726-2013	Discharge standard of pollutants for rural sewage treatment facilities in Shanxi province	6/30/2013	Revised in 2019	Shanxi
	DB 14/726-2019	Discharge standard of water pollutants for rural sewage treatment facilities	11/1/2019	11/1/2019	
3	DB 11/307-2013	Integrated discharge standard of water pollutants	12/20/2013	Revised in 2019	Beijing
	DB 11/1612-2019	Discharge standard of water pollutants for rural sewage treatment facilities	1/7/2019	1/10/2019	
4	DB 13/2171-2015	Emission standard of rural domestic sewage	2/15/2015	Revised in 2020	Hebei
	DB 13/2171-2020	Emission standard of rural domestic sewage	12/28/2020	3/1/2021	
5	DB 33/973-2015	Discharge standard of pollutants for rural sewage treatment facilities	6/29/2015	Revised in 2021	Zhejiang
	DB33/ 973—2021	Discharge standard of water pollutants for centralized rural sewage treatment facilities	9/9/2021	1/1/2022	
6	DB32/T 3462-2018	Discharge standard of water pollutants for rural domestic sewage treatment	11/9/2018	Revised in 2020	Jiangsu
	DB 32/3462-2020	Discharge standard of water pollutants for rural domestic sewage treatment facilities	5/13/2020	11/13/2020	
7	DB 50/848-2018	Discharge standard of water pollutants for rural sewage treatment facilities	4/8/2018	Revised in 2021	Chongqing
	DB50/ 848-2021	Discharge standard for water pollutants from centralized rural domestic sewage treatment facilities	9/8/2021	12/8/2021	

	Standard no.	Standard name	Issuing date	Implementing date	Province/ Autonomous region/ Municipality directly under the central government
8	DB 61/1227-2018	Discharge standard of water pollutants for rural sewage treatment facilities	12/29/2018	1/29/2019	Shaanxi
9	DB 41/1820-2019	Discharge standard of water pollutants for rural domestic sewage treatment facilities	6/6/2019	7/1/2019	Henan
10	DB 31/T 1163-2019	Discharge standard of water pollutants for rural sewage treatment facilities	6/14/2019	7/1/2019	Shanghai
11	DB 54/T 0182-2019	Discharge standard of water pollutants for rural domestic sewage treatment facilities	12/20/2019	1/19/2020	Tibet
12	DB 12/889-2019	Discharge standard of water pollutants for rural sewage treatment facilities	7/9/2019	7/10/2019	Tianjin
13	DB 36/1102-2019	Discharge standard of water pollutants for rural sewage treatment facilities	7/17/2019	9/1/2019	Jiangxi
14	DB 62/T 4014-2019	Discharge standard of pollutants for rural sewage treatment facilities	8/14/2019	9/1/2019	Gansu
15	DB 23/2456-2019	Discharge standard of water pollutants for rural domestic sewage treatment facilities	8/27/2019	9/27/2019	Heilongjiang
16	DB 52/1414-2019	Discharge standard of pollutants for rural sewage treatment	9/1/2019	9/1/2019	Guizhou
17	DB 53/T 953-2019	Discharge standard of water pollutants for rural domestic sewage treatment facilities	9/23/2019	12/23/2019	Yunnan
18	DB 37/3693-2019	Discharge standard of water pollutants for rural sewage treatment facilities	9/27/2019	3/27/2020	Shandong
19	DB 21/3176-2019	Discharge standard of water pollutants for rural sewage treatment facilities	9/30/2019	3/30/2020	Liaoning
20	DB 65/4275-2019	Discharge standard of treatment for rural domestic wastewater	10/24/2019	11/15/2019	Xinjiang
21	DB 46/483-2019	Discharge standard of water pollutants for rural sewage treatment facilities	11/4/2019	12/15/2019	Hainan
22	DB 35/1869-2019	Discharge standard of water pollutants for rural sewage treatment facilities	11/12/2019	12/1/2019	Fujian

	Standard no.	Standard name	Issuing date	Implementing date	Province/ Autonomous region/ Municipality directly under the central government
23	DB 44/2208-2019	Discharge standard of water pollutants for rural sewage treatment	11/22/2019	1/1/2020	Guangdong
24	DB 51/2626-2019	Discharge standard of water pollutants for rural domestic sewage treatment facilities	12/17/2019	1/1/2020	Sichuan
25	DB 42/1537-2019	Discharge standard of water pollutants for rural sewage treatment facilities	12/24/2019	7/1/2020	Hubei
26	DB 43/1665-2019	Discharge standard of water pollutants for rural sewage treatment facilities	12/25/2019	3/31/2020	Hunan
27	DB 34/3527-2019	Discharge standard of water pollutants for rural domestic sewage treatment facilities	12/25/2019	1/1/2020	Anhui
28	DBHJ/001-2020	Discharge standard of pollutants for rural sewage treatment facilities	3/16/2020	4/1/2020	Inner Mongolia
29	DB 22/3094-2020	Discharge standard of water pollutants for rural domestic sewage treatment facilities	4/1/2020	4/1/2020	Jilin
30	DB 63/T 1777-2020	Discharge standard of rural domestic sewage treatment	5/6/2020	7/1/2020	Qinghai
31	DB45/ 2413-2021	Discharge standard of water pollutants for rural sewage treatment facilities	12/27/2021	6/27/2022	Guangxi

Note: Beijing, Shanghai, Tianjin, and Chongqing are municipalities directly under the central government while Inner Mongolia, Guangxi, Xinjiang, Ningxia, and Tibet are autonomous regions for minorities, all sharing the same administrative level with Provinces

Table S2. Comparison of rural domestic wastewater discharge standards

Name of regions	COD (mg/L)			SS (mg/L)			NH_4^+-N (mg/L)			TN (mg/L)			TP (mg/L)			Oils, fats & grease (mg/L)			BOD_5 (mg/L)			Fecal Coliform		
	Class Ⅰ	Class Ⅱ	Class Ⅲ	Class Ⅰ	Class Ⅱ	Class Ⅲ	Class Ⅰ	Class Ⅱ	Class Ⅲ	Class Ⅰ	Class Ⅱ	Class Ⅲ	Class Ⅰ	Class Ⅱ	Class Ⅲ	Class Ⅰ	Class Ⅱ	Class Ⅲ	Class Ⅰ	Class Ⅱ	Class Ⅲ	Class Ⅰ	Class Ⅱ	Class Ⅲ
Beijing	30	50[60]	100	15	20	30	1.5(2.5)	5(8) [8(15)]	25	15[20]	-	-	0.3[0.5]	0.5[1]	-	0.5	1[3]	-	6	10[20]	30	-	-	-
Tianjin	50	60	-	20	20	-	5(8)	8(15)	-	20	-	-	1	2	-	3	5	-	-	-	-	-	-	-
Shanghai	50[60]	-	-	10[20]	-	-	8[15]	-	-	15[25]	-	-	1[2]	-	-	1[3]	-	-	-	-	-	-	-	-
Chongqing	60	100	120	20	30	40	8(15)	20 | 15	25 | 15	20	-	-	2.0 | 1.0	3.0 | 2.0	4.0 | 3.0	3	5	10	-	-	-	-	-	-
Hebei	50	60	100	10	20	30	5(8)	8(15)	15	15	20	30	0.5	1	3	1	3	5	-	-	-	10^3	10^4	10^4
Shanxi	50	60	80	20	30	50	5(8)	8(15)	15(20)	20	30	-	1.5	3	-	3	5	10	-	-	-	-	-	-
Liaoning	60	100	120	20	30	50	8(15)	25(30)	25(30)	20	-	-	2	3	-	3	5	10	-	-	-	-	-	-
Heilongjiang	60	100	120	20	30	50	8(15)	25(30)	15	20	35	35	1	3	5	3	5	20	-	-	-	-	-	-
Jiangsu	60	100	120	20	30	50	8(15)	15	25	20[30]	30	-	1[3]	3	-	3	5	20	-	-	-	-	-	-
Zhejiang	60	100	-	20	30	-	15	25	-	-	-	-	2	3	-	3	5	-	-	-	-	10^4	10^4	-
Anhui	50[60]	100	-	20[30]	50	-	8(15)[15(25)]	25(30)	-	20[30]	-	-	1[3]	-	-	3[5]	5	-	-	-	-	10^4	-	-
Fujian	60	100[120]	-	20	30[50]	-	8	25(15) [25(15)]	-	20	-	-	1	3	-	3	5[5]	-	-	-	-	-	-	-
Jiangxi	60	100	120	20	30	50	8(15)	25(30)	25(30)	20	-	-	1	3	-	3	5	-	-	-	-	-	-	-
Shandong	60	100	-	20	30	-	8(15)	15(20)	-	20	-	-	1.5	-	-	5	10	-	-	-	-	-	-	-
Henan	60	80	100	20	30	50	8(15)	15(20)	20(25)	20	-	-	1	2	-	3	5	5	-	-	-	-	-	-
Hubei	60	100	120	20	30	50	8(15)	8(15)	20(30)	20	25	-	1	3	-	3	5	10	-	-	-	-	-	-
Hunan	60	100	120	20	30	50	8(15)	25(30)	25(30)	20	-	-	1	3	3	3	5	5	-	-	-	-	-	-
Guangdong	60	70	100	20	30	50	8(15)	15	25	20	-	-	1	-	-	3	5	5	-	-	-	-	-	-
Hainan	60	80	120	20	30	60	8	20	25	20	-	-	1	3	-	3	5	20	-	-	-	-	-	-

Sichuan	60	80	100	20	30	40	8(15)	15	25	20	-	-	1.5	3	4	3	5	10	-	-	-	-	-	-
Guizhou	60	100	120	20	30	50	8(15)	15	25	20	30	-	2	3	-	3	5	10	-	-	-	-	-	-
Yunnan	60	100	120	20	30	50	8(15)	15(20)	15(20)	20	-	-	1	3	-	3	5	20	-	-	-	-	-	-
Shaanxi	80	150	-	20	30	-	15	-	-	20	-	-	2	3	-	5	10	-	-	-	-	-	-	-
Gansu	60	100	120[200]	20	30	50[100]	8(15)	15(25)	25(30)	20	-	-	2	3	-	3	5	15(-)	-	-	-	-	-	-
Ningxia	60	100	120	20	30	40	10(15)	15(20)	20(25)	20	30	-	2	3	-	3	5	10	-	-	-	-	-	-
Xinjiang	60	60	100	20	25	30	8(15)	8(15)	25(30)	20	20	-	-	-	-	3	5	5	-	-	-	-	-	-
Jilin	60	100	120	20	30	50	8(15)	25(30)	25(30)	20	35	35	1	3	5	3	5	20	-	-	-	-	-	-
Inner Mongolia	60	100	120	20	30	50	8(15)	15	25(30)	20	30	50	1.5	3	5	-	-	-	-	-	-	-	-	-
Guangxi	60	100	120	20	30	50	8(15)	15	15 | 25	20	-	-	1.5	3	5	3	5	20	-	-	-	-	-	-
Tibet	60	100	200	20	30	50	15(20)	20(25)	20(25)	-	-	-	2	3	-	3	5	20	-	-	-	-	-	-
Qinghai	60	80	120	15	20	30	8(10)	8(15)	10(15)	20	-	-	1.5	3	5	3	5	15	-	-	-	-	-	-
GB18918-2002	50 | 60	100	120	10 | 20	30	50	5 (8) | 8 (15)	25(30)	-	15	20	-	1(0.5)	3	5	1 | 3	5	20	10 | 20	30	60	10^3 | 10^4	10^4	-

Table S3. Summary of rural domestic wastewater standards in China

Standard type	Standard name	Issuing date	Implementing date	Standard hierarchy	Region/ Industry
Whole life cycle	Technical standard for domestic wastewater treatment engineering of rural area (GB/T 51347-2019)	4/9/2019	12/1/2019	national standard	nationwide
	Guide rule of rural domestic sewage treatment (GB/T 37071-2018)	12/28/2018	12/28/2018	national standard	nationwide
	Specification for domestic sewage collection and treatment in villages (DB11/T 1495—2017)	12/15/2017	4/1/2018	local standard	Beijing
Collection	Technical specification for non-gravity collection of rural domestic sewage (DB34/T 3911-2021)	6/8/2021	7/8/2021	local standard	Anhui
	Wastewater standards for influent to rural sewage treatment facilities (DB 33/T 1196-2020)	3/31/2020	7/1/2020	local standard	Zhejiang
	Technical specification for vacuum collection of rural domestic sewage (Q/FUEN 001-2019)	1/1/2019	1/1/2019	enterprise standard	-
	Technical specification for non-gravity collection of rural domestic sewage (Q/HTD001-2018)	4/12/2018	4/15/2018	enterprise standard	-
Treatment	Technical specification for rural domestic sewage treatment (Q/520115GZSW 002-2021)	11/12/2021	11/28/2021	enterprise standard	-
	Technical guidelines for integrated equipment for rural domestic sewage treatment (Q/AHXY 001-2021)	11/3/2021	11/13/2021	enterprise standard	-
	Technical guideline for rural domestic sewage treatment in Gansu Province (T/GSSES 001—2021)	10/11/2021	10/11/2021	association standard	-
	LZGF-JD household appliance type intelligent rural domestic sewage household purification cabinet (Q/320282BLU016-2021)	9/28/2021	9/28/2021	enterprise standard	-
	Technical guidelines for project construction and completion acceptance of rural sewage treatment facilities (on trial)	9/3/2021	3/1/2022	local standard	Jiangxi

	Technical guidelines for the construction of rural sewage collection facilities (on trial)	9/3/2021	3/1/2022	local standard	Jiangxi
	Technical guidelines for rural sewage treatment (on trial)	9/3/2021	3/1/2022	local standard	Jiangxi
	Wenyuan series rural domestic sewage pretreatment filter (Q/WYHB 003-2021)	8/4/2021	8/5/2021	enterprise standard	-
	Technical specification for the operation and maintenance of rural domestic wastewater treatment facilities (DB3304/T 069-2021)	6/29/2021	7/29/2021	local standard	Jiaxing
	Technical standard of domestic wastewater treatment for rural area (DB65/T 4346-2021)	4/1/2021	5/1/2021	local standard	Xinjiang
	Standard of Small-scale domestic wastewater treatment equipment (T/CCPITCUDC-001-2021)	2/9/2021	3/1/2021	association standard	-
	Technical specification for green-design product assessment— Integrated rural sewage treatment equipment (T/HATSI 0008—2021)	2/8/2021	2/9/2021	association standard	-
	JS-GNYC high efficiency modular integrated rural domestic sewage treatment device (Q/320282BF021-2021)	2/1/2021	2/3/2021	enterprise standard	-
	Rural domestic sewage purification device (JB/T 14095-2020)	12/9/2020	7/1/2021	industrial standard	machinery
	Integrated domestic sewage treatment equipment (JB/T 14)	12/9/2020	7/1/2021	industrial standard	machinery
	Rural sewage treatment facilities of Wenyuan series (Q/WYHB 002—2020-2020)	8/21/2020	12/18/2020	enterprise standard	-
	Technical guide for waste water treatment of rural domestic sewage (DB3604/T 001-2020)	7/18/2020	8/1/2020	local standard	Jiangxi
	Technical regulations for the treatment and utilization of rural production and domestic waste in hilly and mountains areas – Part 3: domestic sewage (DB50/T 1011.3-2020)	6/22/2020	9/22/2020	local standard	Chongqing

	Technical guideline on rural sewage treatment (DB11/T 727-2020)	6/10/2020	9/10/2020	local standard	Shanxi
	Decentralized rural domestic sewage treatment equipment (Q/ZDW 006-2020)	6/10/2020	6/10/2020	enterprise standard	-
	Technical specification for construction and renovation of rural domestic sewage treatment facilities (DB33/973-2021)	4/7/2020	7/1/2020	local standard	Zhejiang
	HDPE complete set of rural domestic sewage treatment equipment (Q/BJZKAS01-2019)	2/27/2019	2/28/2019	enterprise standard	-
	Complete set of high-density polyethylene (HDPE) rural domestic sewage treatment equipment (Q/BJZFSBZ01-2019)	2/26/2019	2/28/2019	enterprise standard	-
	Rural domestic sewage treatment plant (Q/HAGQWS02-2019)	1/1/2019	1/1/2019	enterprise standard	-
	Technical guideline for rural domestic sewage treatment (DB21/T 2943-2018)	3/9/2018	4/9/2018	local standard	Liaoning
	JS-GNYC high efficiency modular integrated rural domestic sewage treatment device (Q/320282BF020-2018)	2/1/2018	2/3/2018	enterprise standard	-
	Technical standard of domestic wastewater treatment for rural area (DB37/T 3090-2017)	12/29/2017	1/29/2018	local standard	Shandong
	Sand filter-regulations of technology of sewage processing plant coupling rural life (DB37/T 3077-2017)	12/13/2017	1/13/2018	local standard	Shandong
	Technical specification for rural domestic sewage treatment engineering (DB64/T 1518-2017)	11/29/2017	2/28/2018	local standard	Ningxia
	Rural domestic sewage treatment tank (Q/HGS 004-2017)	7/25/2017	8/20/2017	enterprise standard	-
	Rural domestic sewage treatment tank (Q/HGS 004-2017)	7/20/2017	8/20/2017	enterprise standard	-

	Technical specification constructed wetlands for rural sewage treatment engineering (DB11/T 1376-2016)	12/22/2016	4/1/2017	local standard	Beijing
	Technical requirements for application of bio-flocculation technology in rural wastewater treatment (DB12/T 604-2015)	12/30/2015	1/1/2016	local standard	Tianjin
	Technical specifications for waste water treatment of rural domestic sewage (DB52/T 1057-2015)	8/21/2015	11/21/2015	local standard	Guizhou
	Technical guidelines for domestic sewage treatment in agricultural and pastoral areas (DB63/T 1389-2015)	6/30/2015	9/30/2015	local standard	Qinghai
	Specification for construction of biogas digester for rural domestic sewage purification (DB51/T 1874-2014)	11/11/2014	12/1/2014	local standard	Sichuan
	Collection of standard design drawings of biogas digester for domestic sewage treatment (NY/T2597-2014)	3/24/2014	6/1/2014	industrial standard	agriculture
	Construction regulations of biogas digester for domestic sewage treatment (NY/T2601-2014)	3/24/2014	6/1/2014	industrial standard	agriculture
	Investment guideline for rural domestic sewage treatment projects (DB64/T 875-2013)	9/16/2013	9/16/2013	local standard	Ningxia
	Technical specification for decentralized treatment of rural domestic sewage (DB64/T 868-2013)	9/16/2013	9/16/2013	local standard	Ningxia
	Specification for operation of rural domestic sewage treatment facilities (DB64/T 869-2013)	9/16/2013	9/16/2013	local standard	Ningxia
	Technical specification of domestic wastewater of domestic wastewater pollution for town and village (DB64/T 699-2011)	9/5/2011	9/5/2011	local standard	Ningxia
	Small complete equipment for domestic wastewater treatment (CJ/T355-2010)	10/25/2010	5/1/2011	industrial standard	urban construction
	Technology specifications of biogas digester for domestic sewage treatment (NY/T1702-2009)	3/9/2009	5/1/2009	industrial standard	agriculture

	The album standard drawings of methanegenerating pit of domestic sewage purification (DB43/T 139-1999)	12/30/1999	4/30/2000	local standard	Hunan
Discharge	Discharge standard of water pollutants for rural sewage treatment facilities (DB45/ 2413-2021)	12/27/2021	6/27/2022	local standard	Guangxi
	Discharge standard of water for household rural sewage treatment facilities (DB33/T 2377-2021)	9/22/2021	10/22/2021	local standard	Zhejiang
	Discharge standard for water pollutants from centralized rural domestic sewage treatment facilities (DB50/ 848-2021)	9/8/2021	12/8/2021	local standard	Chongqing
	Discharge requirements and limits of water pollutants from rural domestic sewage treatment facilities in Dianchi Lake Basin (DB5301/T 62-2021)	3/20/2021	4/20/2021	local standard	Kunming
	Discharge limits of water pollutants from rural domestic sewage treatment facilities (DB5301/T 51-2021)	2/1/2021	3/1/2021	local standard	Kunming
	Emission standard of rural domestic sewage (DB 13/2171-2020)	12/28/2020	3/1/2021	local standard	Hebei
	Discharge standard of water pollutants for rural domestic sewage treatment facilities (DB 32/3462-2020)	5/13/2020	11/13/2020	local standard	Jiangsu
	Discharge standard of rural domestic sewage treatment (DB 63/T 1777-2020)	5/6/2020	7/1/2020	local standard	Qinghai
	Discharge standard of water pollutants for rural domestic sewage treatment facilities (DB 22/3094-2020)	4/1/2020	4/1/2020	local standard	Jilin
	Discharge standard of pollutants for rural sewage treatment facilities (DBHJ/001-2020)	3/16/2020	4/1/2020	local standard	Inner Mongolia
	Discharge standard of water pollutants for rural sewage treatment facilities (DB 64/700-2020)	2/28/2020	5/8/2020	local standard	Ningxia
	Discharge standard of water pollutants for rural domestic sewage treatment facilities (DB 34/3527-2019)	12/25/2019	1/1/2020	local standard	Anhui

	Discharge standard of water pollutants for rural sewage treatment facilities (DB 43/1665-2019)	12/25/2019	3/31/2020	local standard	Hunan
	Discharge standard of water pollutants for rural sewage treatment facilities (DB 42/1537-2019)	12/24/2019	7/1/2020	local standard	Hubei
	Discharge standard of water pollutants for rural domestic sewage treatment facilities (DB 51/2626-2019)	12/17/2019	1/1/2020	local standard	Sichuan
	Discharge standard of water pollutants for rural sewage treatment (DB 44/2208-2019)	11/22/2019	1/1/2020	local standard	Guangdong
	Discharge standard of water pollutants for rural sewage treatment facilities (DB 35/1869-2019)	11/12/2019	12/1/2019	local standard	Fujian
	Discharge standard of water pollutants for rural sewage treatment facilities (DB 46/483-2019)	11/4/2019	12/15/2019	local standard	Hainan
	Discharge standard of water pollutants for rural sewage treatment facilities (DB 14/726-2019)	11/1/2019	11/1/2019	local standard	Shanxi
	Discharge standard of treatment for rural domestic wastewater (DB 65/4275-2019)	10/24/2019	11/15/2019	local standard	Xinjiang
	Discharge standard of water pollutants for rural sewage treatment facilities (DB 21/3176-2019)	9/30/2019	3/30/2020	local standard	Liaoning
	Discharge standard of water pollutants for rural sewage treatment facilities (DB 37/3693-2019)	9/27/2019	3/27/2020	local standard	Shandong
	Discharge standard of water pollutants for rural domestic sewage treatment facilities (DB 53/T 953-2019)	9/23/2019	12/23/2019	local standard	Yunnan
	Discharge standard of pollutants for rural sewage treatment (DB 52/1414-2019)	9/1/2019	9/1/2019	local standard	Guizhou
	Discharge standard of water pollutants for rural domestic sewage treatment facilities (DB 23/2456-2019)	8/27/2019	9/27/2019	local standard	Heilongjiang

	Discharge standard of pollutants for rural sewage treatment facilities (DB 62/T 4014-2019)	8/14/2019	9/1/2019	local standard	Gansu
	Discharge standard of water pollutants for rural sewage treatment facilities (DB 36/1102-2019)	7/17/2019	9/1/2019	local standard	Jiangxi
	Discharge standard of water pollutants for rural sewage treatment facilities (DB 12/889-2019)	7/9/2019	7/10/2019	local standard	Tianjin
	Discharge standard of water pollutants for rural domestic sewage treatment facilities (DB 54/T 0182-2019)	12/20/2019	1/19/2020	local standard	Tibet
	Discharge standard of water pollutants for rural sewage treatment facilities (DB 31/T 1163-2019)	6/14/2019	7/1/2019	local standard	Shanghai
	Discharge standard of water pollutants for rural domestic sewage treatment facilities (DB 41/1820-2019)	6/6/2019	7/1/2019	local standard	Henan
	Discharge standard of water pollutants for rural sewage treatment facilities (DB 11/1612-2019)	1/7/2019	1/10/2019	local standard	Beijing
	Discharge standard of water pollutants for rural sewage treatment facilities (DB 61/1227-2018)	12/29/2018	1/29/2019	local standard	Shaanxi
Resource recovery	Technical guideline for landscape utilization of effluent from rural sewage treatment facilities (T/BAEE 009—2022)	1/13/2022	4/1/2022	association standard	-
	Water reuse guidelines—Water quality management for water reclamation plants (GB/T 41016-2021)	12/31/2021	7/1/2022	national standard	nationwide
	Water reuse guidelines—Wastewater reclamation technologies and processes evaluation method (GB/T 41017-2021)	12/31/2021	7/1/2022	national standard	nationwide
	Water reuse guidelines—Reclaimed water classification (GB/T 41018-2021)	12/31/2021	7/1/2022	national standard	nationwide
Supervision and maintenance	Management technology code of practice of operation in ecological treatment system for rural domestic sewage (T/ZSESS 001—2021)	12/30/2021	4/1/2022	association standard	-

	Rural domestic sewage treatment facilities online monitoring system technical guidelines (Q/AHXY005-2021)	12/3/2021	12/10/2021	enterprise standard	-
	Guideline for operation and maintenance of rural domestic sewage treatment facilities in Gansu Province (T/GSSES 002—2021)	10/11/2021	10/11/2021	association standard	-
	Technical guidelines for operation and maintenance of rural sewage treatment facilities (on trial)	9/3/2021	3/1/2022	local standard	Jiangxi
	Technical guidelines for operation and maintenance of rural sewage treatment facilities in Henan Province (on trial)	11/19/2021	-	local standard	Henan
	Verification specification for rural domestic wastewater treatment technology (T/CSES 19—2021)	7/15/2021	7/15/2021	association standard	-
	Guidelines for real-time monitoring of water flow and water quality for domestic sewage treatment facilities in rural areas (DB11/T 1852-2021)	6/22/2021	10/1/2021	local standard	Beijing
	Intelligent monitoring of rural domestic sewage treatment battery (Q/JBM 03-2021)	6/17/2021	6/18/2021	enterprise standard	-
	Technical requirements for operation performance evaluation of rural domestic sewage treatment facilities (GB/T 40201-2021)	5/21/2021	12/1/2021	national standard	nationwide
	Technical specification for internet of things management of rural sewage treatment facilities (DB32/T 4024-2021)	5/14/2021	6/14/2021	local standard	Jiangsu
	Operation, maintenance and evaluation standard for rural sewage treatment facilities in Guangdong Province (DBJ/T15-207-2020)	12/29/2020	3/1/2021	local standard	Guangzhou
	Evaluation standard for standardized operation and maintenance of rural domestic sewage treatment facilities (DB33/T1212-2020)	8/27/2020	1/1/2021	local standard	Zhejiang
	Technical requirements of rural sewage treatment management based on internet of things (T/CAQI 182—2021)	3/15/2021	7/1/2021	association standard	-
	Assessment and certification technical specification for small-scale domestic wastewater treatment (T/CCPITCUDC-002-2021)	2/9/2021	3/1/2021	association standard	-

	Technical specification for the operation and maintenance of village domestic wastewater treatment facilities (T/CCPITCUDC-003-2021)	2/9/2021	3/1/2021	association standard	-
	Evaluation method for operation and maintenance of rural domestic sewage treatment facilities (Q/SJE 46-2020)	3/5/2020	3/20/2020	enterprise standard	-
	Intelligent operation and maintenance cloud platform of rural domestic sewage treatment system (Q/BTF004-2019)	3/1/2019	3/10/2019	enterprise standard	-
	Specification for maintenance and repair of rural domestic sewage treatment facilities (DB4401/T 29-2019)	10/14/2019	12/1/2019	local standard	Guangzhou
	Technical specification for operation and maintenance of rural domestic sewage treatment facilities (DB3311/T 77–2018)	8/23/2018	9/23/2018	local standard	Lishui
	Technical specification for operation and maintenance of rural domestic sewage treatment system (Q/ZSD 004-2016)	3/1/2016	3/1/2016	enterprise standard	-
	Automatic duty device for rural domestic sewage treatment station (Q/ZJZQ001-2016)	1/12/2016	1/12/2016	enterprise standard	-
	Integrated management of water and fertilizer application – General principles (NY/T2624-2014)	10/17/2014	1/1/2015	industrial standard	agriculture