

TABLE 2. DOMESTIC AND FAECAL, AND RAIN WASTE WATER FROM ELECTRICITY GENERATION-2 (Φ300) DISCHARGED INTO MAIN DRAINAGE CHANNEL (OUTFLOW-2)

Indicator	Unit of measurement	Individual emission limit values (IMLV)	2007				2008				2009							
			I Quarter	II Quarter	III Quarter	IV Quarter	I Quarter	II Quarter	III Quarter	IV Quarter	I Quarter	II Quarter	III Quarter	IV Quarter				
Active reaction pH	-	6.0-8.5	7.98	8.28	8.31	7.72	8.31	7.87	8.16	8.02	7.89	-	-	8.1				
Total beta activity	mBq/dm ³	750	145	124	113	98	350	176	176	293	191	-	-	91				
Undissolved substances	mg/dm ³	50	32	33	27	49.5	I	-	IV	-	VII	55.0	X	25.0	27	-	-	14
							II	34.1	V	-	VIII	37.0	XI	24.0				
							III	-	VI	19.0	IX	26.0	XII	22.0				
BOD ₅	mg/dm ³	15	19.2	6.9	11.5	23.6	I	-	IV	-	VII	21.5	X	20.4	24.8	-	-	6.45
							II	42.3	V	-	VIII	10.3	XI	7.56				
							III	-	VI	3.90	IX	19.0	XII	3.85				
COD (bichromatic)	mg/dm ³	70	35.6	15.4	51	60	I	-	IV	-	VII	43.2	X	39.9	54.4	-	-	20.2
							II	51.4	V	-	VIII	49.0	XI	20.0				
							III	-	VI	13.0	IX	31.0	XII	13.0				
Total phosphorus (as PO ₄)	mg/dm ³	2	0.0407	0.237	1.07	1.81	4,21	0.475	2.09	3.21	2.75	-	-	2.17				
Iron (total)	mg/dm ³	1,5	-	0.19	0.153	-	-	-	0.078	-	-	-	-	-				
Chloride ions	mg/dm ³	300	-	-	37.6	40.4	32.0	41.1	56.7	55.3	34.7	-	-	40.4				
Petroleum products	mg/dm ³	5	0.105	0.34	0.311	0.305	2.60	0.11	0.20	0.10	0.5	-	-	0.3				
Total nitrogen	mg/dm ³	15	6	7.6	6.78	5.1	5.50	3.31	6.20	17.9	15.9	-	-	8.7				
Zinc	mg/dm ³	5	-	-	<0.005	0.019	0.033	0.008	0.036	0.027	0.024	-	-	0.011				
Boron	mg/dm ³	inadmissible	-	-	<0.05	0.029	<0.05	0.15	0.1	<0.05	0.19	-	-	<0.05				
Cobalt	mg/dm ³	0,1	-	-	<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	-	-	<0.001				
Detergents	mg/dm ³	1	-	-	<0.05	<0.05	0.204	0.078	0.715	0.056	0.038	-	-	0.033				
Manganese (total)	mg/dm ³	0,3	-	-	<0.005	0.013	0.0185	0.0145	0.0436	0.0076	0.0113	-	-	0.0188				
Nickel	mg/dm ³	0,2	-	-	<0.001	<0.001	0.0038	0.0047	0.0025	<0.0010	0.0022	-	-	0.01				
Arsenic	mg/dm ³	-	-	-	0.0018	-	-	-	0.0017	-	-	-	-	-				
Cadmium	mg/dm ³	-	-	-	<0.001	-	-	-	<0.001	-	-	-	-	-				
Copper	mg/dm ³	-	-	-	0.00/8	-	-	-	0.0096	-	-	-	-	-				
Lead	mg/dm ³	-	-	-	<0.005	-	-	-	<0.005	-	-	-	-	-				
Extractable subst.	mg/dm ³	-	-	-	0.466	-	-	-	0.55	-	-	-	-	-				
Sulphate ions	mg/dm ³	-	-	-	59.8	-	-	-	-	65.3	-	-	-	-				

Note: For 2010 and 2011 there are no analyses due to low water level and weak flow rate.

TABLE 4. DOMESTIC AND FAECAL, AND RAIN WASTE WATER FROM OUTDOOR SWITCHGEARS DISCHARGED INTO MAIN DRAINAGE CHANNEL (OUTFLOW-4)

Indicator	Unit of measurement	Individual emission limit values (IMLV)	2007				2008				2009							
			I Quarter	II Quarter	III Quarter	IV Quarter	I Quarter	II Quarter	III Quarter	IV Quarter	I Quarter	II Quarter	III Quarter	IV Quarter				
Active reaction pH	-	6.0-8.5	-	-	-	-	-	-	8.15	8.19	8.31	-	7.77	7.89				
Total beta activity	mBq/dm ³	750	-	-	-	-	-	-	134	312	106	-	135	136				
Undissolved substances	mg/dm ³	50	-	-	-	-	I	-	IV	-	VII	-	X	37.0	14	-	16	10
							II	-	V	-	VIII	-	XI	31.0				
							III	-	VI	-	IX	14	XII	20.0				
BOD ₅	mg/dm ³	15	-	-	-	-	I	-	IV	-	VII	-	X	15.5	-	-	-	-
							II	-	V	-	VIII	-	XI	7.85				
							III	-	VI	-	IX	14.5	XII	3.40				
COD (bichromatic)	mg/dm ³	70	-	-	-	-	I	-	IV	-	VII	-	X	19.6	35.9	-	22	15.5
							II	-	V	-	VIII	-	XI	25.3				
							III	-	VI	-	IX	49.0	XII	17.0				
Total phosphorus (as PO ₄)	mg/dm ³	2	-	-	-	-	-	-	0.235	3.54	0.939	-	0.517	1.36				
Iron (total)	mg/dm ³	1,5	-	-	-	-	-	-	0.046	-	-	-	-	-				
Chloride ions	mg/dm ³	300	-	-	-	-	-	-	34.7	28.3	29.8	-	31.9	22.7				
Petroleum products	mg/dm ³	5	-	-	-	-	-	-	0.34	0.40	0.4	-	0.3	0.2				
Total nitrogen	mg/dm ³	15	-	-	-	-	-	-	8.22	16.3	4.2	-	2.33	9.7				
Zinc	mg/dm ³	5	-	-	-	-	-	-	0.026	-	-	-	0.039	-				
Boron	mg/dm ³	inadmissible	-	-	-	-	-	-	0.09	-	-	-	<0.05	-				
Cobalt	mg/dm ³	0,1	-	-	-	-	-	-	<0.001	-	-	-	<0.001	-				
Detergents	mg/dm ³	1	-	-	-	-	-	-	0.044	0.087	-	-	0.053	<0.014				
Manganese (total)	mg/dm ³	0,3	-	-	-	-	-	-	0.0065	-	-	-	0.0232	-				
Nickel	mg/dm ³	0,2	-	-	-	-	-	-	0.0018	-	-	-	<0.001	-				
Arsenic	mg/dm ³	-	-	-	-	-	-	-	0.0008	-	-	-	0.0004	-				
Cadmium	mg/dm ³	-	-	-	-	-	-	-	<0.001	-	-	-	<0.0005	-				
Copper	mg/dm ³	-	-	-	-	-	-	-	0.0081	-	-	-	0.0088	-				
Lead	mg/dm ³	-	-	-	-	-	-	-	<0.005	-	-	-	<0.005	-				
Extractable substances	mg/dm ³	-	-	-	-	-	-	-	0.5	-	-	-	0.80	-				
Sulphate ions	mg/dm ³	-	-	-	-	-	-	-	-	54.9	-	-	24	-				

TABLE 4 (CONTINUED)

Indicator	Unit of measurement	Individual emission limit values (IMLV)	2010				2011			
			I Quarter	II Quarter	III Quarter	IV Quarter	I Quarter	II Quarter	III Quarter	IV Quarter
Active reaction pH	-	6.0-8.5	7.36	7.58	-	-	-	7.33	-	-
Total beta activity	mBq/dm ³	750	128	156	-	-	-	127	-	-
Undissolved substances	mg/dm ³	50	9	28	-	-	-	12	-	-
BOD ₅	mg/dm ³	15	-	-	-	-	-	6.84	-	-
COD (bichromatic)	mg/dm ³	70	5.6	15.7	-	-	-	24.9	-	-
Total phosphorus (as PO ₄)	mg/dm ³	2	0.896	0.371	-	-	-	1.53	-	-
Iron (total)	mg/dm ³	1,5	-	-	-	-	-	-	-	-
Chloride ions	mg/dm ³	300	25.5	17.4	-	-	-	8.51	-	-
Petroleum products	mg/dm ³	5	0.3	0.2	-	-	-	<0.3	-	-
Total nitrogen	mg/dm ³	15	3.27	2.10	-	-	-	2.88	-	-
Zinc	mg/dm ³	5	-	-	-	-	-	-	-	-
Boron	mg/dm ³	inadmissible	-	-	-	-	-	-	-	-
Cobalt	mg/dm ³	0,1	-	-	-	-	-	-	-	-
Detergents	mg/dm ³	1	0.066	0.136	-	-	-	0.499	-	-
Manganese (total)	mg/dm ³	0,3	0.0038	0.00119	-	-	-	-	-	-
Nickel	mg/dm ³	0,2	-	-	-	-	-	-	-	-
Arsenic	mg/dm ³	-	-	-	-	-	-	-	-	-
Cadmium	mg/dm ³	-	-	-	-	-	-	-	-	-
Copper	mg/dm ³	-	-	-	-	-	-	-	-	-
Lead	mg/dm ³	-	-	-	-	-	-	-	-	-
Extractable substances	mg/dm ³	-	-	-	-	-	-	-	-	-
Sulphate ions	mg/dm ³	-	-	-	-	-	-	0.0158	-	-

TABLE 5. COOLING AND INDUSTRIAL WASTE WATER FROM ELECTRICITY-GENERATION-1 AND ELECTRICITY-GENERATION-2 – HOT CHANNEL- 1 (OUTFLOW-5)

Indicator	Unit of measurement	Individual emission limit values (IMLV)	2007				2008				2009							
			I Quarter	II Quarter	III Quarter	IV Quarter	I Quarter	II Quarter	III Quarter	IV Quarter	I Quarter	II Quarter	III Quarter	IV Quarter				
Active reaction pH	-	6.0-9.0	7.77	8.55	8.23	7.82	I	-	IV	7.62	VII	-	X	-	8.17	7.98	7.80	8.22
							II	8.13	V	8.04	VIII	-	XI	7.62				
							III	7.94	VI	8.75	IX	8.18	XII	-				
Total beta activity	mBq/dm ³	750	8	74	101	125	I	-	IV	-	VII	-	X	-	90	66	80	62
							II	83	V	-	VIII	-	XI	62				
							III	-	VI	62	IX	55	XII	-				
Undissolved substances	mg/dm ³	100	66	25	23	43	I	24	IV	8	VII	16	X	7	39	7	9	6
							II	7	V	16	VIII	16	XI	14				
							III	26	VI	14	IX	18	XII	6				
BOD ₅	mg/dm ³	-	-	-	-	-	I	6.99	IV	2.91	VII	2.32	X	5.56	-	-	-	-
							II	3.68	V	3.75	VIII	4.84	XI	3.17				
							III	1.78	VI	3.45	IX	7.8	XII	2.6				
COD (bichromatic)	mg/dm ³	100	9.9	8.1	12.2	29	I	18.9	IV	10.2	VII	14	X	9.87	30.3	12.3	12.5	12.6
							II	18.4	V	11	VIII	24	XI	14				
							III	16.5	VI	20	IX	21	XII	10				
Iron (total)	mg/dm ³	5	-	0.11	0.306	-	I	-	IV	-	VII	-	X	-	0.44	0.05	0.05	0.05
							II	-	V	-	VIII	-	XI	0.217				
							III	-	VI	0.078	IX	0.145	XII	-				
Residual chlorine	mg/dm ³	0.1	0.1	0.12	-	-	I	-	IV	-	VII	-	X	-	0.15	0.18	0.07	0.03
							II	0.1	V	-	VIII	-	XI	0.1				
							III	-	VI	0.07	IX	0.016	XII	-				
Petroleum products	mg/dm ³	0.5	<0.035	0.35	0.187	0.165	I	-	IV	-	VII	-	X	-	0.4	0.1	0.1	0.1
							II	0.6	V	-	VIII	-	XI	<0.10				
							III	-	VI	<0.10	IX	0.22	XII	-				
Total nitrogen	mg/dm ³	15	2.6	2.9	2.7	2.25	I	-	IV	-	VII	-	X	-	6.6	2.1	2.81	4.5
							II	3.1	V	-	VIII	-	XI	4				
							III	-	VI	1.13	IX	3.7	XII	-				
Zinc	mg/dm ³	10	-	<0.005	<0.005	-	I	-	IV	-	VII	-	X	-	<0.005	0.01	<0.005	0.015
							II	-	V	-	VIII	-	XI	0.012				
							III	-	VI	<0.005	IX	0.042	XII	-				

TABLE 5 (CONTINUED)

Indicator	Unit of measurement	Individual emission limit values (IMLV)	2007				2008				2009			
			I Quarter	II Quarter	III Quarter	IV Quarter	I Quarter	II Quarter	III Quarter	IV Quarter	I Quarter	II Quarter	III Quarter	IV Quarter
Boron	mg/dm ³	1	-	0.145	<0.05	-	I - IV	-	VII -	X -	0.11	0.09	<0.05	0.07
							II - V	-	VIII -	XI <0.05				
							III - VI	<0.05	IX 0.1	XII -				
Cobalt	mg/dm ³	0.5	-	<0.001	<0.001	-	I - IV	-	VII -	X -	<0.001	<0.001	<0.001	<0.001
							II - V	-	VIII -	XI <0.001				
							III - VI	<0.001	IX <0.001	XII -				
Chloride ions	mg/dm ³	-	-	-	19.1	-	I - IV	-	VII -	X -	-	-	-	-
							II - V	-	VIII -	XI -				
							III - VI	-	IX -	XII -				

**TABLE 6. COOLING AND INDUSTRIAL WASTE WATER FROM ELECTRICITY-GENERATION-1 AND ELECTRICITY-GENERATION-2 – HOT CHANNEL-2
(OUTFLOW 6)**

Indicator	Unit of measurement	Individual emission limit values (IMLV)	2007				2008				2009							
			I Quarter	II Quarter	III Quarter	IV Quarter	I Quarter	II Quarter	III Quarter	IV Quarter	I Quarter	II Quarter	III Quarter	IV Quarter				
Active reaction pH	-	6.0-9.0	-	-	-	-	I	-	IV	-	VII		X	-	8.18	7.99	7.91	-
							II	-	V	-	VIII		XI	-				
							III	-	VI	8.02	IX		XII	-				
Total beta activity	mBq/dm ³	750	-	-	-	-	I	-	IV	-	VII		X	-	90	60	77	-
							II	-	V	-	VIII		XI	-				
							III	-	VI	69	IX		XII	-				
Undissolved substances	mg/dm ³	100	-	-	-	-	I	-	IV	-	VII		X	-	32	5	12	-
							II	-	V	-	VIII		XI	-				
							III	-	VI	16	IX		XII	4				
BOD ₅	mg/dm ³	-	-	-	-	-	I	-	IV	-	VII		X	-	-	-	-	-
							II	-	V	-	VIII		XI	-				
							III	-	VI	4.1	IX		XII	2.75				
COD (bichromatic)	mg/dm ³	100	-	-	-	-	I	-	IV	-	VII		X	-	35.5	12.8	11.7	-
							II	-	V	-	VIII		XI	-				
							III	-	VI	23	IX		XII	11				
Iron (total)	mg/dm ³	5	-	-	-	-	I	-	IV	-	VII		X	-	0.39	0.05	0.05	-
							II	-	V	-	VIII		XI	-				
							III	-	VI	0.257	IX		XII	-				
Residual chlorine	mg/dm ³	0.1	-	-	-	-	I	-	IV	-	VII		X	-	0.013	0.16	0.1	-
							II	-	V	-	VIII		XI	-				
							III	-	VI	0.1	IX		XII	-				
Petroleum products	mg/dm ³	0.5	-	-	-	-	I	-	IV	-	VII		X	-	0.5	0.1	0.1	-
							II	-	V	-	VIII		XI	-				
							III	-	VI	<0.1	IX		XII	-				
Total nitrogen	mg/dm ³	15	-	-	-	-	I	-	IV	-	VII		X	-	4.1	3.5	2.68	-
							II	-	V	-	VIII		XI	-				
							III	-	VI	1.84	IX		XII	-				
Zinc	mg/dm ³	10	-	-	-	-	I	-	IV	-	VII		X	-	<0.005	<0.005	<0.005	-
							II	-	V	-	VIII		XI	-				
							III	-	VI	<0.005	IX		XII	-				

TABLE 6 (CONTINUED)

Indicator	Unit of measurement	Individual emission limit values (IMLV)	2007				2008				2009			
			I Quarter	II Quarter	III Quarter	IV Quarter	I Quarter	II Quarter	III Quarter	IV Quarter	I Quarter	II Quarter	III Quarter	IV Quarter
Boron	mg/dm ³	1	-	-	-	-	I - IV	-	VII	X	0.11	0.09	<0.05	-
							II - V	<0.05	VIII	XI				
							III - VI		IX	XII				
Cobalt	mg/dm ³	0.5	-	-	-	-	I - IV	VII	X	<0.001	<0.001	<0.001	-	
							II - V	VIII	XI					
							III - VI	<0.001	IX					XII

TABLE 6 (CONTINUED)

Indicator	Unit of measurement	Individual emission limit values (IMLV)	2010				2011			
			I Quarter	II Quarter	III Quarter	IV Quarter	I Quarter	II Quarter	III Quarter	IV Quarter
Active reaction pH	-	6.0-9.0	-	7.61	7.57	8.14	8.26	-	7.92	7.95
Total beta activity	mBq/dm ³	750	-	76	86	91	87	-	-	80
Undissolved substances	mg/dm ³	100	-	21	24	23	15	-	10	13
BOD ₅	mg/dm ³	-	-	-	-	-	3.06	-	-	-
COD (bichromatic)	mg/dm ³	100	-	14.1	12.6	8.3	15.6	-	5.5	4.8
Iron (total)	mg/dm ³	5	-	0.048	0.074	-	0.0554	-	0.08005	0.07969
Residual chlorine	mg/dm ³	0.1	-	0.14	<0.01	<0.1	<0.01	-	-	<0.01
Petroleum products	mg/dm ³	0.5	-	0.1	0.1	<0.1	<0.10	-	-	<0.01
Total nitrogen	mg/dm ³	15	-	1.51	3.96	1.95	2.13	-	-	1.05
Zinc	mg/dm ³	10	-	0.004	0.001	-	<0.00031	-	0.00514	0.00192
Boron	mg/dm ³	1	-	0.1092	0.131	<0.0032	<3.23	-	0.02698	0.0390
Cobalt	mg/dm ³	0.5	-	<0.00046	<0.00050	-	<0.00046	-	<0.00058	<0.00046

TABLE 7. CONSOLIDATED RESULTS FROM PHISICO-CHEMICAL TESTING ON WASTE WATER FROM KOZLODUY NPP FOR 2012

Indicator	Unit of measurement	Individual emission limit values (IMLV)	Outflow 1/Trapezoidal channel/-2012								Outflow 3/Φ1000/-2012							
			I Quarter		II Quarter		III Quarter		IV Quarter		I Quarter		II Quarter		III Quarter		IV Quarter	
Active reaction pH	-	6.0-8.5	7.85		7.77		7.85		7.72		8.42		8.09		7.97		8.04	
Total beta activity	mBq/dm ³	750	I	85	IV	96	VII	114	X	92	I	84	IV	169	VII	68	X	72
			II		V	124	VIII	69	XI	98	II	-	V	-	VIII	-	XI	-
			III	92	VI	69	IX	120	XII	83	III	-	VI	-	IX	-	XII	-
Undissolved substances	mg/dm ³	50	20		23		21		14		17.0		26		17		10	
BOD ₅	mg/dm ³	15	3.37		7.10		3.64		3.65		-		-		-		-	
COD (bichromatic)	mg/dm ³	70	9.6		23.7		8.9		14		6.7		13.3		8.7		5	
Total phosphorus (as PO ₄)	mg/dm ³	2	0.147		0.453		0.204		0.253		0.433		0.428		0.558		0.458	
Iron (total)	mg/dm ³	1,5	0.09164		0.08791		0.05165		0.07298		-		-		0.558		0.07084	
Chloride ions	mg/dm ³	300	26.7		31.2		35.4		40.4		23.8		17.7		26.2		24.9	
Petroleum products	mg/dm ³	5	≤1.0		≤1.0		≤2.0		≤2.0		≤1.0		≤1.0		≤2.0		≤2.0	
Total nitrogen	mg/dm ³	15	4.44		4.94		4.27		5.97		3.56		4.53		4.52		3.44	
Zinc	mg/dm ³	5	0.00532		0.00902		0.00682		0.0136		0.00559		0.00303		0.00749		0.00305	
Boron	mg/dm ³	inadmissible	0.03793		0.03283		0.04253		0.16535		0.03358		0.02496		0.04172		0.14524	
Cobalt	mg/dm ³	0,1	≤0.00048		≤0.00046		≤0.00046		≤0.00046		≤0.00046		≤0.00046		≤0.00046		≤0.00046	
Detergents	mg/dm ³	1	0.037		0.043		0.027		0.06		0.064		≤0.014		0.073		0.076	
Manganese (total)	mg/dm ³	0,3	0.0063		0.01930		0.00739		0.02658		0.00177		0.00502		0.00242		0.0022	
Nickel	mg/dm ³	0,2	≤0.00084		0.00279		0.00244		0.00265		≤0.00084		0.00158		0.00303		0.00451	
Arsenic	mg/dm ³	-	-		-		-		≤0.00297		-		-		-		≤0.00297	
Cadmium	mg/dm ³	-	-		-		-		≤0.00014		-		-		-		≤0.00014	
Copper	mg/dm ³	-	-		-		-		0.01009		-		-		-		0.004	
Lead	mg/dm ³	-	-		-		-		≤0.0207		-		-		-		≤0.0027	
Specific activity of ¹³⁷ Cs	Bq/l	-	-		-		-		≤4.34		-		-		-		≤4.27	
Sulphate ions	mg/dm ³	-	-		-		31.6		-		-		-		-		24.4	
Tritium	mBq/dm ³	-	-		-		-		≤3.43		-		-		-		≤3.44	

Note: No sampling is done on Outflow No. 2 and Outflow No. 4 during 2012 due to zero outflow.

TABLE 7 (CONTINUED)

Indicator	Unit of measurement	Individual emission limit values (IMLV)	Outflow 5/Hot Channel -1/-2012				Outflow 6/Hot channel-2/-2012			
			I Quarter	II Quarter	III Quarter	IV Quarter	I Quarter	II Quarter	III Quarter	IV Quarter
Active reaction pH	-	6.0-9.0	8.01	7.99	7.85	7.95	7.96	7.92	-	7.97
Total beta activity	mBq/dm ³	750	90	87	69	63	92	68	-	77
Undissolved substances	mg/dm ³	100	14	17	16	12	14	19	-	14
BOD ₅	mg/dm ³	-	-	-	-	-	-	-	-	-
COD (bichromatic)	mg/dm ³	100	6.8	18.4	7.4	5.5	6.7	14.7	-	5.9
Iron (total)	mg/dm ³	5	0.10939	0.05434	0.06317	0.07628	0.4012	0.05808	-	0.07756
Residual chlorine	mg/dm ³	0.1	0.06	0.07	0.06	0.04	0.08	0.10	-	0.06
Petroleum products	mg/dm ³	0.5	≤0.01	≤0.2	≤0.1	≤0.1	≤0.01	≤0.2	-	≤1.0
Total nitrogen	mg/dm ³	15	2.41	1.46	1.45	1.30	2.33	1.09	-	1.26
Zinc	mg/dm ³	10	0.00272	0.00117	0.00713	0.00228	0.00416	0.00123	-	0.0022
Boron	mg/dm ³	1	0.036	0.02368	0.02813	0.12179	0.03568	0.02123	-	0.12179
Cobalt	mBq/dm ³	0.5	≤0.00046	≤0.00046	≤0.00046	≤0.00046	≤0.00046	≤0.00046	-	≤0.00046

Source: Annual report on in-house surveillance and monitoring of the environment at Kozloduy NPP for the 2007-2011 period and Letter No. Д"БиК"602/16.04.2013 from Kozloduy NPP EAD.

TABLE 8. CONSOLIDATED RESULTS FROM PHISICO-CHEMICAL TESTING ON WASTE WATER FROM THE LANDFILL FOR NON-RADIOACTIVE MUNICIPAL AND INDUSTRIAL WASTE – INSPECTION SHAFT 4

Indicator	Unit of measurement	2007				2008				2009			
		I Quarter	II Quarter	III Quarter	IV Quarter	I Quarter	II Quarter	III Quarter	IV Quarter	I Quarter	II Quarter	III Quarter	IV Quarter
Active reaction	-	7.41	7.09	8.05	7.88	7.57	7.15	7.31	8.22	7.86	7.6	7.88	8.18
Undissolved substances	mg/dm ³	72	84	63	30	24	250	145	47	75	24	100	39
Petroleum products	mg/dm ³	0.139	0.15	0.0274	0.308	0.3	0.32	0.14	0.7	1.2	0.5	0.1	0.3
Iron (total)	mg/dm ³	0.52	0.53	0.0249	3.4	0.471	1.86	1.06	2.83	2.37	0.95	0.440	0.380
Copper	mg/dm ³	0.016	0.009	0.005	0.012	0.0071	0.0107	0.0129	0.0084	0.005	0.008	0.0024	0.0075
Chrome (total)	mg/dm ³	<0.01	0.012	<0.01	0.011	<0.001	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	0.0175
Zinc	mg/dm ³	0.061	0.061	0.021	0.049	0.043	0.024	0.14	0.046	0.021	0.042	0.033	0.052

TABLE 8 (CONTINUED)

Indicator	Unit of measurement	2010				2011			
		I Quarter	II Quarter	III Quarter	IV Quarter	I Quarter	II Quarter	III Quarter	IV Quarter
Active reaction	-	7.72	7.91	8.08	7.87	8.02	7.8	7.78	8.6
Undissolved substances	mg/dm ³	22	37	23	17	30	20	63	57
Petroleum products	mg/dm ³	0.1	0.1	0.1	0.4	0.4	0.4	0.5	<1.00
Iron (total)	mg/dm ³	0.44017	0.46761	0.21869	0.13672	0.24329	0.17423	0.24869	0.10872
Copper	mg/dm ³	0.00947	0.00578	0.00765	0.00779	0.02307	0.00499	0.00531	0.00799
Chrome (total)	mg/dm ³	0.00512	0.00451	0.00377	<0.00041	0.00514	0.00173	0.00227	0.0019
Zinc	mg/dm ³	0.00693	0.00463	0.00326	0.00338	0.0107	0.00376	0.00341	0.00405

TABLE 9. CONSOLIDATED RESULTS FROM PHISICO-CHEMICAL TESTING ON WASTE WATER FROM THE LANDFILL FOR NON-RADIOACTIVE MUNICIPAL AND INDUSTRIAL WASTE - INSPECTION SHAFT 7

Indicator	Unit of measurement	2007				2008				2009			
		I Quarter	II Quarter	III Quarter	IV Quarter	I Quarter	II Quarter	III Quarter	IV Quarter	I Quarter	II Quarter	III Quarter	IV Quarter
Active reaction	-	7.63	7.58	8.21	8.32	7.42	7.76	7.8	7.73	8.00	7.84	8.09	8.43
Undissolved substances	mg/dm ³	68	63	70	36	41	57	68	40	26	15	9	36
Petroleum products	mg/dm ³	0.277	0.35	0.321	0.266	0.55	0.24	0.1	1.25	0.5	0.6	0.2	1.9
Iron (total)	mg/dm ³	0.175	0.18	0.095	1.86	1.76	0.245	0.182	0.989	0.14	0.1	0.06	0.52
Copper	mg/dm ³	0.006	0.004	0.009	0.01	0.0052	0.0054	0.0085	0.0081	0.0058	0.0082	0.0013	0.0095
Chrome (total)	mg/dm ³	<0.01	<0.01	<0.01	<0.01	0.012	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01
Zinc	mg/dm ³	0.022	<0.005	0.034	0.043	0.026	<0.005	0.059	0.067	0.031	0.028	0.014	0.034

TABLE 9 (CONTINUED)

Indicator	Unit of measurement	2010				2011			
		I Quarter	II Quarter	III Quarter	IV Quarter	I Quarter	II Quarter	III Quarter	IV Quarter
Active reaction	-	7.38	7.34	7.31	7.8	7.78	7.85	7.85	7.43
Undissolved substances	mg/dm ³	47	20	16	176	38	17	48	74
Petroleum products	mg/dm ³	0.4	0.2	0.8	1.6	0.7	0.3	0.4	<1.00
Iron (total)	mg/dm ³	0.04589	0.06612	0.02447	0.60266	0.01502	0.00922	0.01824	0.08813
Copper	mg/dm ³	0.00857	0.0079	0.00278	0.0059	0.01185	0.00676	0.01543	<0.00063
Chrome (total)	mg/dm ³	0.01341	<0.00041	<0.00041	<0.00041	0.01933	<0.00041	0.00185	<0.00041
Zinc	mg/dm ³	0.01644	0.01556	0.00358	0.00434	0.0007	0.01738	0.0072	0.00325