

Table C.2.5 Results of Supplementary Water Quality Analysis (Third Time) (1/10)

Site No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14
River Name	Prahova	Prahova	Prahova	Prahova	Prahova	Prahova	Prahova	Prahova	Prahova	Prahova	Prahova	Prahova	Prahova	Prahova
Water Classification	Main River	Main River	Main River	Main River	Main River	Main River	Main River	Main River	Main River	Factory Inflow	Factory Effluent	Factory Inflow-1	Factory Inflow-2	
Sampling Site	Predeal	amonte Sinaita	Comu	Nedelea	Tinosu	Gherghita	Posada	Finart	Adincata	S.C.BERE.S. A./Azuga	S.C.BERE.S. A./Azuga	S.C.BERE.S. A./Azuga	S.C.BERE.S. A./Azuga	
Remarks	Periodical Point	Periodical Point	Periodical Point	Periodical Point	Periodical Point	Periodical Point	Supplementary Point	Supplementary Point	Supplementary Point	S.C.BERE.S. A./Azuga	S.C.BERE.S. A./Azuga	S.C.BERE.S. A./Azuga	S.C.BERE.S. A./Azuga	
Code No.	180	195	200	217	220	270	A	E	H	4006	4006	4010	4575	
Sampling Date	1998/7/20	1998/7/22	1998/7/22	1998/7/24	1998/7/20	1998/7/28	1998/7/22	1998/7/20	1998/7/28	1998/7/20	1998/7/20	1998/7/20	1998/7/30	1998/7/30
Discharge(m ³ /s)	0.83	4.05	9.54	12.54	17.07	22.78	7.15	18.45	24.49	-	0.028	0.007	-	-
Water Temp(°C)	15.8	14.0	19.6	22.0	23.3	24.7	15.3	23.1	26.3	16.7	17.0	23.1	21.7	22.2
Color	Colorless	Colorless	Light Beige	Light Beige	Light Beige	Colorless	Light Beige	Light Beige	Colorless	Turbid	Sli.Turbid	Opal	Brown	Beige
Odor	Odorless	Odorless	Odorless	Odorless	Odorless	Odorless	Odorless	Odorless	Odorless	Domestic	Domestic	Domestic	Specific	Specific
EC(mS/cm)	0.37	0.32	0.53	0.64	0.64	1.38	0.32	0.67	1.39	0.35	0.41	0.49	2.42	0.72
Turbidity	4	32	249	117	339	38	79	362	32	341	146	51	476	429
pH	7.99	8.10	8.28	8.32	7.97	7.91	8.21	7.91	8.10	8.26	7.28	8.60	3.81	8.26
NH4+ (mg/l)	1.06	1.88	0.77	1.47	1.00	2.36	1.21	0.93	2.83	-	4.38	7.46	-	-
NO2- (mg/l)	0.12	0.08	0.14	0.20	0.26	1.60	0.10	0.32	0.96	-	0.08	0.04	-	-
NO3- (mg/l)	3.10	6.20	2.30	4.50	8.20	9.20	0.20	2.50	14.50	-	0.20	0.10	-	-
Cl- (mg/l)	24.81	14.18	56.72	99.27	120.54	255.27	14.18	127.63	255.27	-	17.72	38.99	-	-
Phenol (mg/l)	0.000	0.000	0.010	0.008	0.300	0.070	-	-	-	-	-	-	-	-
PO43- (mg/l)	0.36	0.42	0.22	0.32	0.14	1.04	0.40	0.10	0.54	-	5.48	3.76	-	-
Dissolved O2 (mg/l)	9.36	8.56	8.43	8.79	10.82	7.69	8.87	10.35	8.66	1.78	4.26	3.63	5.42	5.27
Petroleum (mg/l)	0.00	0.00	0.40	3.40	5.90	1.90	0.00	4.30	0.90	-	8.60	3.60	-	28.3
BOD (mg/l)	1.16	3.91	10.32	6.81	19.52	8.96	5.54	5.54	5.22	391.86	75.35	16.88	63.06	36.05
COD(Mn) (mg/l)	0.81	2.07	6.79	4.55	13.04	6.23	3.59	3.82	3.16	166.10	37.01	10.48	29.32	18.07
SS (mg/l)	18	34	152	109	162	65	68	110	40	159	102	69	431	322
Cadmium (mg/l)	0.000	0.000	0.007	0.005	0.014	0.005	-	-	0.003	-	-	-	-	-
Cyanide (mg/l)	0.000	0.000	0.010	0.008	0.012	0.008	-	-	0.002	-	-	-	-	-
Cr6+ (mg/l)	0.000	0.000	0.005	0.004	0.000	0.000	-	-	0.000	-	-	-	-	-
Cr3+ (mg/l)	0.000	0.000	0.000	0.000	0.000	0.000	-	-	0.000	-	-	-	-	-
Copper (mg/l)	0.000	0.000	0.004	0.004	0.013	0.004	-	-	0.003	-	-	-	-	-
Antonic Detergents	0.024	0.033	0.180	0.049	0.295	0.173	0.025	0.041	0.055	-	-	-	-	-
Hg (mg/l)	0.000	0.000	0.000	0.000	0.002	0.000	-	-	0.000	-	-	-	-	-
Ni2+ (mg/L)	0.000	0.000	0.092	0.005	0.036	0.019	-	-	0.008	-	-	-	-	-
Organochlorine	0.0012	0.0014	0.0008	0.0005	0.0014	0.0007	-	-	0.0008	-	-	-	-	-
Lead (trg/l)	0.000	0.000	0.000	0.011	0.009	0.007	-	-	0.005	-	-	-	-	-
Zinc (mg/l)	0.003	0.005	0.016	0.026	0.017	0.018	-	-	0.018	-	-	-	-	-

Table C.2.5 Results of Supplementary Water Quality Analysis (Third Time) (2/10)

Site No.	15	16	17	18	19	20	21	22	23	24	25	26	27	28
River Name	Prahova	Prahova	Prahova	Prahova	Prahova	Prahova	Prahova	Prahova	Prahova	Prahova	Prahova	Prahova	Prahova	Prahova
Water Classification	Factory Effluent I.R.A.	Factory Effluent-1 S.C.PETROU	Factory Effluent-2 S.C.PETROU	Factory Effluent-1 S.C.VICTORI	Factory Effluent-2 S.C.VICTORI	Factory Effluent Thermal Plant	Factory Inflow-1 S.C.PETROB	Factory Inflow-2 S.C.PETROB	Factory Effluent-1 S.C.PETROB	Factory Effluent-2 S.C.PETROB	Factory Effluent-3 S.C.PETROB	Factory Effluent-4 S.C.PETROB	Factory Effluent-5 S.C.PETROB	Factory Effluent Sewerage Inflow
Sampling Site	Campania Land	TILAJ Petro-Industry	TILAJ Petro-Industry	A.S.A. Tire	A.S.A. Tire	Phloesti/ Thermal Plant	RAZI S.A. Petro-Industry	RAZI S.A. Petro-Industry	RAZI S.A. Petro-Industry	RAZI S.A. Petro-Industry	RAZI S.A. Petro-Industry	RAZI S.A. Petro-Industry	RAZI S.A. Petro-Industry	Prodeal town
Remarks														
Code No.	4575	4292	4292	4039	4039	4047	4051	4051	4051	4051	4051	4051	4051	4317
Sampling Date	1998/7/30	1998/7/24	1998/7/24	1998/8/3	1998/7/20	1998/7/20	1998/7/20	1998/7/20	1998/7/20	1998/7/20	1998/7/20	1998/7/20	1998/7/20	1998/7/20
Discharge(m ³ /s)	0.011	0.062	0.010	0.022	0.018	1.080	-	-	-	-	-	0.41	0.09	-
WaterTemp(°C)	24.8	21.0	22.0	21.3	19.3	20.9	26.0	25.8	25.4	25.7	21.7	21.5	25.5	14.9
Color	Gray	Beige	Light Beige	Colorless	Light Gray	Light Beige	Milky White	Light Beige	Light Gray	Light Beige	Light Beige	Light Beige	Light Beige	Opal
Odor		Oil	Oil	Odorless	Odorless	Oil	Oil	Oil	Oil	Oil	Oil	Oil	Oil	Domestic
EC(mS/cm)	0.54	1.00	1.69	0.81	1.33	1.20	2.60	1.62	2.95	1.62	1.89	1.45	1.00	0.47
Turbidity	136	112	62	6	136	147	999	312	225	91	420	199	203	80
pH	8.78	8.72	8.89	8.88	8.50	6.93	9.39	7.57	7.68	7.59	7.68	7.79	7.58	8.42
NH4+ (mg/l)	9.52	15.45	5.98	1.21	0.10	0.80	-	-	3.99	6.57	6.70	1.80	1.16	-
NO2- (mg/l)	0.06	0.22	0.42	0.08	0.26	0.20	-	-	0.01	0.38	0.06	0.20	0.46	-
NO3- (mg/l)	0.60	0.1	2.90	10.30	1.7	3.10	-	-	2.50	0.70	3.00	1.40	2.90	-
Cl- (mg/l)	67.36	262.12	326.18	99.27	231.92	255.27	-	-	567.28	283.64	354.55	283.64	141.82	-
Phenol (mg/l)	-	-	-	0.000	0.004	0.008	1.600	0.420	0.460	0.420	0.380	0.410	0.108	-
PO43- (mg/l)	8.46	1.56	1.16	0.20	0.22	0.22	10.00	0.38	1.54	0.20	0.60	0.44	0.56	-
Dissolved O2 (mg/l)	1.96	7.19	5.04	9.08	11.69	0.69	3.04	7.28	6.15	7.37	6.20	6.45	6.20	5.65
Petroleum (mg/l)	9.70	4.00	7.50	1.10	1.20	3.70	1301.10	70.50	45.30	5.00	23.30	13.50	22.80	-
BOD (mg/l)	20.58	11.96	17.42	3.02	2.56	20.51	910.14	105.12	88.45	59.31	55.22	29.98	20.11	15.92
COD(Mn) (mg/l)	9.23	6.02	8.03	2.19	1.85	13.71	511.24	45.43	45.76	33.86	35.46	20.15	12.62	10.16
SS (mg/l)	138	122	66	11	141	67	466	124	173	69	116	112	74	87
Cadmium (mg/l)	0.003	0.008	0.004	0.000	0.000	0.000	-	-	-	-	0.012	0.010	0.010	-
Cyanide (mg/l)	0.006	0.000	0.002	0.004	0.000	0.006	-	-	0.021	0.023	0.017	0.018	0.027	-
Cr6+ (mg/l)	0.002	0.020	0.008	0.000	0.000	0.000	0.008	0.004	0.002	0.002	0.002	0.002	0.000	-
Cu3+ (mg/l)	0.000	0.006	0.000	0.000	0.000	0.000	0.002	0.002	0.000	0.000	0.000	0.000	0.000	-
Copper (mg/l)	0.061	0.010	0.012	0.000	0.006	0.002	-	-	-	-	0.009	0.008	0.057	-
Anionic Detergents	0.145	-	0.053	0.030	0.045	0.229	1.722	1.256	0.900	0.453	0.465	0.384	0.372	-
Hg (mg/l)	0.000	0.000	0.000	0.000	0.000	0.000	-	-	-	-	0.000	0.000	0.000	-
Ni2+ (mg/L)	0.006	0.011	0.014	0.006	0.009	0.002	-	-	-	-	0.062	0.058	0.004	-
Organochlorine	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead (mg/l)	0.005	0.038	0.007	0.000	0.000	0.008	-	-	-	-	0.007	0.006	0.003	-
Zinc (mg/l)	0.049	0.022	0.018	0.006	0.011	0.017	-	-	-	-	0.030	0.028	0.032	-

Table C.2.5 Results of Supplementary Water Quality Analysis (Third Time) (3/10)

Site No.	29	30	31	32	33	34	35	36	37	38	39	40	41	42
River Name	Prahova	Prahova	Prahova	Prahova	Prahova	Prahova	Prahova	Prahova	Prahova	Prahova	Prahova	Prahova	Prahova	Azuga
Water Classification	Sewerage Effluent	Sewerage Effluent	Sewerage Inflow	Sewerage Effluent	Sewerage Effluent	Sewerage Inflow	Sewerage Effluent	Sewerage Inflow	Sewerage Effluent	Stock Farm Inflow	Stock Farm Effluent	Stock Farm Inflow	Stock Farm Effluent	Tributary
Sampling Site	Predeal town	Busteni town	Simaia town	Simaia town	CONSILJUL LOCAL	Breaza town	Breaza town	Cimpina city	Cimpina city	F.P.Composna /Stancosi	F.P.Composna /Stancosi	F.P.SancaSR /Gherghita	F.P.SancaSR /Gherghita	Azuga
Remarks														Periodical Analysis
Code No.	4317	4011	4018	4018	4032	4028	4028	4034	4034	4082	4082	4123	4123	190
Sampling Date	1998/7/20	1998/7/22	1998/7/22	1998/7/22	1998/7/20	1998/8/3	1998/8/3	1998/7/28	1998/7/28	1998/7/20	1998/7/20	1998/7/28	1998/7/28	1998/7/20
Discharge(m ³ /s)	0.087	0.079	18.2	18.8	20.0	22.7	24.1	21.0	21.3	19.8	20.3	20.0	20.2	1.47
WaterTemp(°C)	14.6	11.6	18.2	18.8	20.0	22.7	24.1	21.0	21.3	19.8	20.3	20.0	20.2	15.8
Color	Colorless	Gray	Gray	Light Gray	Beige	Brown	Light Beige	Beige	Beige	Dark Gray	Dark Gray	Dark Gray	Dark Gray	Colorless
Odor	Domestic	Domestic	Domestic	Domestic	Domestic	Domestic	Slt.Domestic	Domestic	Domestic	Domestic	Domestic	Domestic	Domestic	Odorless
EC(mS/cm)	0.45	0.23	0.44	0.45	4.35	0.68	0.62	0.63	0.56	3.26	3.04	2.11	2.16	0.29
Turbidity	26	510	113	64	143	620	145	165	80	999	999	999	999	13
pH	8.46	9.06	8.42	8.18	8.07	8.40	8.30	9.11	9.20	7.06	7.52	7.20	7.38	9.31
NH4+ (mg/l)	0.48	2.11	-	1.29	15.45	-	21.63	-	6.70	-	118.48	-	113.32	1.13
NO2+ (mg/l)	0.60	0.10	-	0.04	0.22	-	0.04	-	0.12	-	0.70	-	12.00	0.02
NO3+ (mg/l)	1.20	0.50	-	0.80	0.10	-	0.10	-	1.00	-	11.00	-	9.20	0.30
Cl-(mg/l)	35.45	14.18	-	21.27	1099.1	-	63.81	-	42.54	-	108.54	-	269.45	14.13
Phenol (mg/l)	0.000	0.000	-	0.005	0.010	-	0.003	-	0.001	-	0.418	-	0.398	0.000
PO43- (mg/l)	0.42	0.96	-	6.08	4.92	-	1.38	-	6.20	-	73.20	-	49.20	0.18
Dissolved O2 (mg/l)	8.55	10.93	2.71	3.24	2.88	9.30	6.00	7.10	4.48	0.00	1.60	0.87	1.52	9.36
Petroleum (mg/l)	0.40	3.60	-	2.40	7.00	-	2.00	-	3.50	-	1.20	-	7.70	0.00
BOD (mg/l)	5.89	12.02	23.16	16.54	19.83	81.12	20.06	66.94	29.43	896.02	526.65	467.70	428.14	2.42
COD(Mn) (mg/l)	4.35	7.15	11.19	10.71	14.20	38.37	13.75	32.06	21.50	430.52	241.84	190.73	180.62	1.88
SS (mg/l)	29	327	63	20	139	347	110	132	60.0	1473	840	1532	1356	11
Cadmium (mg/l)	0.001	0.000	-	0.005	0.008	-	0.036	-	0.005	-	-	-	-	0.000
Cyanide (mg/l)	0.002	0.001	-	0.012	0.008	-	0.010	-	0.008	-	-	-	-	0.000
Cr6+ (mg/l)	0.002	0.000	-	0.008	0.009	-	0.046	-	0.040	-	-	-	-	0.000
Cr3+ (mg/l)	0.000	0.000	-	0.000	0.000	-	0.012	-	0.007	-	-	-	-	0.000
Copper (mg/l)	0.000	0.000	-	0.000	0.010	-	0.009	-	0.003	-	-	-	-	0.000
Anionic Detergents	0.014	0.076	-	0.444	0.229	-	0.650	-	0.590	-	-	-	-	0.016
Hg (mg/l)	0.000	0.000	-	0.006	0.004	-	0.006	-	0.005	-	-	-	-	0.000
Ni2+ (mg/L)	0.000	0.000	-	0.011	0.008	-	0.072	-	0.064	-	-	-	-	0.000
Organochlorine	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0010
Lead (mg/l)	0.000	0.004	-	0.000	0.005	-	0.015	-	0.031	-	-	-	-	0.000
Zinc (mg/l)	0.005	0.022	-	0.029	0.024	-	0.034	-	0.056	-	-	-	-	0.003

Table C.2.5 Results of Supplementary Water Quality Analysis (Third Time) (4/10)

Site No.	43	44	45	46	47	48	49	50	51	52	53	54	55	56
River Name	Azuga	Azuga	Doflana	Doflana	Doflana	Doflana	Doflana	Doflana	Doflana	Telegjen	Telegjen	Telegjen	Telegjen	Telegjen
Water Classification	Factory Effluent	Sewerage Effluent	Tributary	Tributary	Tributary	Factory Inflow-1	Factory Inflow-2	Factory Inflow-3	Factory Effluent	Tributary	Tributary	Tributary	Tributary	Tributary
Sampling Site	S.C.SINTER REF.S.A.	Azuga town	amonic Trainsteri Periodical Point	Ac.Voila	Cimpina	S.C.STEAUA ROMANA Petro-chemical	S.C.STEAUA ROMANA Petro-chemical	S.C.STEAUA ROMANA Petro-chemical	S.C.STEAUA ROMANA Petro-chemical	Cheia	Gura Vitigari Periodical Point	Moara Domogosa Periodical Point	Piatra	Sipoua
Remarks	Refractory Materials		Point	Supplementary Point	Supplementary Point					Periodical Point	Periodical Point	Periodical Point	Supplementary Point	Supplementary Point
Code No.	4004	4008	205	B	C	4035	4035	4035	4035	230	240	260	J	K
Sampling Date	1998/7/20	1998/7/20	1998/7/28	1998/7/28	1998/7/28	1998/7/30	1998/7/30	1998/7/30	1998/7/30	1998/7/20	1998/7/20	1998/7/28	1998/7/20	1998/7/20
Discharge(m ³ /s)	0.113	0.035	0.44	9.16	8.59	-	-	-	0.041	0.66	3.02	5.48	3.65	4.84
Water Temp(°C)	15.8	14.9	18.8	19.5	20.0	27.3	27.4	18.8	22.4	13.0	24.1	22.0	22.5	25.8
Color	Light Gray	Light Gray	Colorless	Colorless	Light Beige	White	Colorless	Colorless	Colorless	Colorless	Light Beige	Colorless	Light Beige	Light Beige
Odor	Odorless	Domestic	Odorless	Odorless	Odorless	Oil	Odorless	Oil	Specific	Odorless	Odorless	Odorless	Odorless	Odorless
EC(mS/cm)	0.30	0.42	0.42	0.32	0.54	0.80	0.33	0.31	0.92	0.23	1.29	1.84	1.45	1.34
Turbidity	59	46	10	33	75	624	15	15	164	12	214	5	780	331
pH	9.22	8.48	8.19	8.18	8.37	5.80	8.98	9.01	8.43	7.69	7.75	7.80	7.58	7.75
NH4+ (mg/l)	1.13	4.38	0.23	0.10	2.73	-	-	-	2.96	0.93	1.42	8.49	1.16	0.85
NO2- (mg/l)	0.02	1.20	0.06	0.08	0.12	-	-	-	0.24	0.26	0.06	0.40	0.04	0.08
NO3- (mg/l)	0.70	2.10	4.60	4.10	4.30	-	-	-	1.70	0.20	0.50	8.50	0.60	0.50
Cl-(mg/l)	14.18	24.81	10.63	10.63	63.81	-	-	-	141.82	7.09	212.73	382.9	283.64	212.73
Phenol (mg/l)	-	0.000	0.000	0.000	-	-	-	-	0.092	0.000	0.000	0.092	-	-
PO43- (mg/l)	0.26	1.92	0.30	0.28	0.36	-	-	-	0.12	0.04	0.32	1.18	0.22	0.16
Dissolved O ₂ (mg/l)	9.22	5.82	7.76	8.61	7.45	4.55	5.83	8.21	6.37	14.25	7.77	7.26	8.90	7.20
Petroleum (mg/l)	2.1	5.20	0.00	0.00	0.00	-	-	-	6.70	0.00	0.00	3.60	0.00	0.20
BOD (mg/l)	4.06	15.06	2.51	2.64	4.68	69.71	3.68	2.17	21.92	1.78	11.98	19.12	3.22	8.75
COD(Mn) (mg/l)	2.39	7.32	1.83	1.83	3.03	32.54	1.72	1.24	10.68	1.50	6.55	11.33	1.91	5.62
SS (mg/l)	68	86	19	26	53	699	18	11	34	11	98	11	171	72
Cadmium (mg/l)	-	-	0.000	0.000	-	-	-	-	0.005	0.000	0.006	0.008	-	-
Cyanide (mg/l)	-	-	0.000	0.000	-	-	-	-	0.004	0.000	0.010	0.011	-	-
Cr6+ (mg/l)	-	-	0.000	0.000	-	-	-	-	0.006	0.000	0.004	0.010	-	-
Cr3+ (mg/l)	-	-	0.000	0.000	-	-	-	-	0.000	0.000	0.000	0.000	-	-
Copper (mg/l)	-	-	0.000	0.000	-	-	-	-	0.017	0.000	0.000	0.032	-	-
Amionic Detergents	0.063	0.250	0.004	0.004	0.217	-	-	-	1.182	0.033	0.107	0.130	0.075	0.027
Hg (mg/l)	-	-	0.000	0.000	-	-	-	-	0.000	0.000	0.000	0.014	-	-
Ni2+ (mg/L)	-	-	0.000	0.000	-	-	-	-	0.006	0.000	0.000	0.009	-	-
Organochlorine	-	-	0.0003	0.0003	-	-	-	-	-	0.0010	0.0014	0.0008	-	-
Lead (mg/l)	-	-	0.000	0.000	-	-	-	-	0.009	0.000	0.000	0.006	-	-

Table C.2.5 Results of Supplementary Water Quality Analysis (Third Time) (5/10)

Site No.	57	58	59	60	61	62	63	64	65	66	67	68	69	70
River Name	Teleajen	Teleajen	Teleajen	Teleajen	Teleajen	Teleajen	Teleajen	Teleajen	Teleajen	Teleajen	Teleajen	Teleajen	Teleajen	Teleajen
Water Classification	Tributary	Factory Effluent	Factory Inflow	Factory Effluent	Factory Inflow	Factory Effluent	Factory Effluent	Factory Inflow	Factory Effluent	Factory Effluent	Factory Effluent	Factory Inflow	Factory Effluent	Factory Effluent
Sampling Site	Coslegi	SALINA	S.C.GES.S.A./Baldesti	S.C.GES.S.A./Baldesti	S.C.CAHIRO, S.A./Baldesti	S.C.CAHIRO, S.A./Baldesti	S.C.ARPACO S.C.REALS S.A./Pleasa	S.C.REALS S.A./Pleasa	S.C.REALS S.A./Pleasa	S.C.SOCERA M.S.A.	S.C.PETROT S.A./Pleasa	S.C.MATIZO S.A./Bersn	S.C.MATIZO S.A./Bersn	S.C.ROMFO S.C.HIM.S.
Remarks	Supplement- itary Point	Slatic Salt	Glass Ware	Glass Ware	Paper	Paper	Rubber	Refractory Ceramic	Refractory Ceramic	Building Materials	Petro-chemical	Isolation Materials	Isolation Materials	Chemical Products
Code No.	L	4582	4022	4022	4102	4102	4112	4106	4106	4103	4148	4150	4150	4117
Sampling Date	1998/7/28	1998/7/22	1998/7/22	1998/7/22	1998/7/22	1998/7/22	1998/7/24	1998/7/24	1998/7/24	1998/7/24	1998/7/24	1998/7/24	1998/7/24	1998/7/24
Discharge(m ³ /s)	4.20	0.037	-	0.003	-	0.026	0.040	-	0.007	0.004	0.504	-	-	0.012
WaterTemp(°C)	23.0	18.7	17.5	16.9	17.4	19.5	19.8	18.6	19.0	15.9	28.8	19.1	19.9	33.2
Color	Colorless	Colorless	Gray	Light Gray	Beige	Beige	Colorless	Gray	Colorless	Colorless	Beige	Light Beige	Light Beige	Light Beige
Odor	Odorless	Odorless	Specific	Specific	Domestic	Domestic	Odorless	Oil	Odorless	Odorless	Specific	Chemical	Chemical	Chemical
EC(ms/cm)	2.34	1.17	1.14	1.22	1.53	1.52	2.08	2.20	2.20	1.83	1.22	1.73	2.52	1.09
Turbidity	0	15	26	5	671	235	6	105	15	41	58	294	261	75
pH	7.85	6.79	6.91	6.40	5.87	7.12	6.83	7.45	7.02	6.59	6.80	6.50	6.80	5.00
NH4+ (mg/l)	1.18	6.82	-	3.22	-	2.47	1.44	-	4.02	2.06	2.58	-	1.50	11.59
NO2- (mg/l)	0.40	0.02	-	0.64	-	5.60	0.16	-	0.12	0.14	0.04	-	2.00	0.08
NO3- (mg/l)	5.60	0.30	0.30	0.30	9.00	4.30	9.00	-	5.20	30.00	3.80	-	0.70	0.80
Cl-(mg/l)	602.73	354.55	-	397.09	-	326.18	397.09	-	638.19	368.73	2112.73	-	602.73	397.09
Phenol (mg/l)	-	-	-	-	-	-	-	-	-	-	0.105	-	-	0.000
PO43- (mg/l)	0.46	1.96	-	1.64	-	0.28	0.30	-	1.90	0.36	0.12	-	0.28	2.00
Dissolved O ₂ (mg/l)	12.14	4.61	2.27	2.39	8.70	7.00	7.80	3.10	5.00	6.05	5.00	4.30	4.80	4.00
Petroleum (mg/l)	3.60	4.70	-	4.10	-	0.50	0.00	-	4.90	6.00	6.00	-	7.90	0.40
BOD (mg/l)	10.18	11.28	8.26	12.41	177.30	41.11	4.61	12.53	2.70	13.86	15.52	168.22	15.83	17.21
COD(Mn) (mg/l)	6.10	7.83	6.07	4.47	94.63	28.55	2.06	7.54	1.58	5.31	9.27	101.45	8.76	11.28
SS (mg/l)	28	21	32	24	385	203	14	115	28	32	62	138	120	118
Cadmium (mg/l)	-	-	-	-	-	-	-	-	-	-	0.005	-	-	0.006
Cyanide (mg/l)	-	-	-	-	-	-	-	-	-	-	0.004	-	-	0.002
Cr6+ (mg/l)	-	-	-	-	-	-	-	-	-	-	0.006	-	-	0.010
Cr3+ (mg/l)	-	-	-	-	-	-	-	-	-	-	0.000	-	-	0.002
Copper (mg/l)	-	-	-	-	-	-	-	-	-	-	0.021	-	-	0.020
Anionic Detergents	0.510	0.040	-	0.070	-	0.062	0.066	-	0.030	0.088	0.055	-	0.183	0.289
Hg (mg/l)	-	-	-	-	-	-	-	-	-	-	0.000	-	-	0.008
Ni2+ (mg/L)	-	-	-	-	-	-	-	-	-	-	0.009	-	-	0.009
Organochlorine	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead (mg/l)	-	-	-	-	-	-	-	-	-	-	0.005	-	-	0.000
Zinc (mg/l)	-	-	-	-	-	-	-	-	-	-	0.016	-	-	0.038

Table C.2.5 Results of Supplementary Water Quality Analysis (Third Time) (6/10)

Site No.	71	72	73	74	75	76	77	78	79	80	81	82	83	84
River Name	Teloajan	Teloajan	Teloajan	Teloajan	Teloajan	Teloajan	Teloajan	Teloajan	Teloajan	Teloajan	Teloajan	Teloajan	Teloajan	Teloajan
Water Classification	Sewerage Inflow	Sewerage Effluent	Sewerage Inflow	Sewerage Effluent	Sewerage Inflow	Sewerage Effluent	Sewerage Inflow	Sewerage Effluent	Sewerage Inflow	Sewerage Effluent	Sewerage Inflow	Sewerage Effluent	Stock Farm Inflow	Stock Farm Effluent
Sampling Site	Cheia Town	Cheia Town	Mancocu Ur-gureni Village	Mancocu Ur-gureni Village	Valeni de Munte town	Valeni de Munte town	Ploponi Town	Ploponi Town	Boldesti Seatiu town	Boldesti Seatiu town	Silnic	Silnic	F.V.s.P.P.Agr (Seatiu)	F.V.s.P.P.Agr (Seatiu)
Remarks														
Code No.	4086	4086	4088	4088	4506	4506	4578	4578	4517	4517	4127	4127	4577	4577
Sampling Date	1998/7/20	1998/7/20	1998/7/20	1998/7/20	1998/7/20	1998/7/20	1998/8/3	1998/8/3	1998/7/20	1998/7/20	1998/7/22	1998/7/22	1998/7/22	1998/7/22
Discharge(m ³ /s)	-	0.008	-	0.001	-	0.032	-	0.033	-	0.019	-	0.018	-	0.004
Water Temp(°C)	25.0	25.0	19.1	19.6	18.8	22.3	20.7	20.7	18.6	21.0	18.2	18.8	23.4	22.6
Color	Light Beige	Colorless	Beige	Beige	Beige	Beige	Dark gray	Dark gray	Light Beige	Light Beige	Light Beige	Light Beige	Brown	Brown
Odor	Sl.Domestic	Odorless	Domestic	Domestic	Domestic	Domestic	Domestic	Domestic	Domestic	Domestic	Domestic	Domestic	Domestic	Domestic
TC(mS/cm)	0.40	0.51	0.55	0.37	1.17	1.00	1.81	1.74	1.51	1.57	1.46	1.88	2.77	2.5
Turbidity	114	7	106	93	353	72	463	248	28	12	28	8	730	155
pH	6.70	6.80	6.82	7.19	6.50	6.82	7.93	8.40	7.33	7.60	6.90	7.50	6.57	6.54
NO14+ (mg/l)	-	2.83	-	32.45	-	5.80	-	3.40	-	4.76	-	3.40	-	83.71
NO2- (mg/l)	-	0.04	-	0.60	-	0.04	-	2.44	-	0.90	-	0.64	-	0.24
NO3- (mg/l)	-	1.00	-	0.30	-	0.60	-	0.50	-	3.30	-	0.80	-	16.74
Cl-(mg/l)	-	39.06	-	42.54	-	120.54	-	382.91	-	226.91	-	411.27	-	496.3
Phenol (mg/l)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PO43- (mg/l)	-	1.20	-	8.20	-	5.50	-	3.60	-	4.28	-	1.54	-	42.16
Dissolved O ₂ (mg/l)	9.20	7.90	6.20	4.03	4.93	6.20	1.00	6.00	2.54	5.10	5.29	5.10	2.15	3.30
Petroleum (mg/l)	-	2.50	-	6.20	-	4.60	-	3.60	-	5.60	-	2.50	-	1.06
BOD (mg/l)	18.92	5.19	35.87	38.35	160.90	31.84	31.79	28.35	39.16	7.04	25.81	8.14	464.46	168.86
COD(Mn) (mg/l)	10.65	1.93	21.15	21.77	75.95	15.31	16.07	16.55	16.47	3.81	13.98	3.51	219.10	102.76
SS (mg/l)	62	19	113	98	196	18	287	165	48	26	47	18	456	334
Cadmium (mg/l)	-	0.000	-	0.004	-	0.015	-	0.008	-	0.009	-	0.002	-	-
Cyanide (mg/l)	-	0.000	-	0.010	-	0.008	-	0.019	-	0.008	-	0.010	-	-
Cr6+ (mg/l)	-	0.000	-	0.004	-	0.006	-	0.288	-	0.005	-	0.032	-	-
Cr3+ (mg/l)	-	0.000	-	0.000	-	0.002	-	0.056	-	0.000	-	0.008	-	-
Copper (mg/l)	-	0.000	-	0.000	-	0.003	-	0.041	-	0.000	-	0.000	-	-
Anionic Detergents	-	0.098	-	0.102	-	0.540	-	0.124	-	0.214	-	0.740	-	-
Hg (mg/l)	-	0.000	-	0.000	-	0.002	-	0.005	-	0.006	-	0.006	-	-
Ni2+ (mg/L)	-	0.000	-	0.000	-	0.013	-	0.018	-	0.011	-	0.009	-	-
Organochlorine	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead (mg/l)	-	0.000	-	0.002	-	0.003	-	0.006	-	0.013	-	0.000	-	-

Table C.2.5 Results of Supplementary Water Quality Analysis (Irrigation)

Site No.	85	86	87	88	89	90	91	92	93	94	95	96	97	98
River Name	Dimbu	Dimbu	Dimbu	Dimbu	Dimbu	Dimbu	Dimbu	Dimbu	Dimbu	Dimbu	Dimbu	Dimbu	Dimbu	Dimbu
Water Classification	Tributary	Tributary	Factory Inflow	Factory Effluent	Factory Effluent	Factory Effluent	Factory Inflow	Factory Effluent	Factory Effluent	Factory Effluent	Factory Inflow	Factory Effluent	Sewerage Inflow	Sewerage Effluent
Sampling Site	Goga	Baucoi town	COCA COLA Ploesti	COCA COLA Ploesti	S.C.Vega Ploesti	PEROEMAIL Ploesti	I.N.C.A.F. Ploesti	I.N.C.A.F. Ploesti	S.C.DACIAS 24 A. Ploesti	IANTARIE/P. Metal Works	S.C.ASTRA ROMANA/ROMANA/	S.C.ASTRA ROMANA/	Baucoi town	Baucoi town
Remarks	Periodical Point	Supplemen- tary Point	Food Products and Beverages	Food Products and Beverages	Petro- chemical	Metal Products	Food Products and Beverages	Food Products and Beverages	Metal Works/ Repair	Metal Works	Petro- chemical	Petro- chemical		
Code No.	250	M	4311	4311	4137	4146	4143	4143	4147	4141	4158	4158	4041	4041
Sampling Date	1998/7/28	1998/7/22	1998/7/28	1998/7/20	1998/7/20	1998/7/28	1998/7/28	1998/7/28	1998/7/22	1998/7/20	1998/7/22	1998/7/22	1998/7/22	1998/7/22
Discharge(m ³ /s)	2.12	0.06	-	0.007	0.004	0.014	-	-	0.148	0.026	-	-	0.109	-
Water temp(C)	20.7	22.4	29.3	28.4	17.5	24.0	21.9	22.4	24.1	17.2	26.4	27.3	19.5	19.3
Color	Colorless	Colorless	Light-Beige	Colorless	Gray	Light-Beige	Dark Gray	Dark Gray	Colorless	Light Gray	Light Beige	Colorless	Beige	Light Beige
Odor	Odorless	Odorless	Domestic	Odorless	Odorless	Specific	Domestic	Domestic	Odorless	Domestic	Oil	Oil	Domestic	Domestic
EC(ms/cm)	1.14	10.40	1.55	1.22	1.42	1.43	1.90	2.11	1.09	0.59	1.22	1.18	1.18	0.51
Turbidity	25	0	-	-	202	355	987	460	6	38	96	15	15	176
pH	7.53	8.25	9.70	7.80	6.80	6.80	6.50	6.20	7.00	7.93	7.36	7.63	7.63	7.58
NH4+ (mg/l)	4.24	0.55	-	0.93	4.63	2.47	-	97.87	0.77	1.96	-	6.95	-	-
NO2- (mg/l)	1.00	0.16	-	0.10	0.84	0.02	-	0.40	1.04	0.64	-	0.14	-	0.04
NO3- (mg/l)	15.00	0.70	-	0.70	6.80	8.60	-	11.80	3.60	0.40	-	0.50	-	0.54
Cl-(mg/l)	163.09	2127.3	-	460.91	283.64	312.04	-	255.27	184.36	106.36	-	212.73	-	74.75
Phenol (mg/l)	0.023	0.000	-	-	0.008	-	-	-	-	-	-	0.072	-	0.000
PO43- (mg/l)	2.34	0.94	-	0.60	3.72	0.62	-	14.12	1.56	0.88	-	0.36	-	2.77
Dissolved O2 (mg/l)	4.90	14.87	3.09	5.26	5.00	5.71	0.42	1.30	13.75	9.57	3.75	9.63	4.78	3.87
Petroleum (mg/l)	2.90	0.90	-	4.00	1.40	2.50	-	7.50	0.90	10.20	41.50	6.00	-	3.40
BOD (mg/l)	27.12	8.03	518.73	10.82	8.21	12.17	951.22	682.73	7.21	10.42	48.12	23.14	38.98	34.75
COD(Mn) (mg/l)	18.54	5.51	320.60	7.27	3.55	5.95	531.32	353.06	4.55	6.91	20.39	15.50	25.29	21.14
SS (mg/l)	62	14	201	42	79	235	1136	688	28	37	121	26	146	84
Cadmium (mg/l)	0.014	0.000	-	-	0.000	0.003	-	-	0.010	0.005	-	-	-	0.023
Cyanide (mg/l)	0.018	0.000	-	-	0.002	0.000	-	-	0.012	0.008	-	-	-	0.014
Cr6+ (mg/l)	0.020	0.000	-	-	0.008	0.004	-	-	0.024	0.006	-	-	-	0.023
Cu2+ (mg/l)	0.000	0.000	-	-	0.000	0.000	-	-	0.028	0.000	-	-	-	0.004
Copper (mg/l)	0.011	0.002	-	-	0.003	0.005	-	-	0.010	0.021	-	-	-	0.025
Anionic Detergents	0.482	0.088	-	-	0.025	0.097	-	-	0.770	0.134	-	-	-	0.374
Hg (mg/l)	0.002	0.000	-	-	0.000	0.000	-	-	0.000	0.000	-	-	-	0.005
Ni2+ (mg/L)	0.006	0.000	-	-	0.011	0.004	-	-	0.013	0.026	-	-	-	0.044
Organochlorine	0.0008	0.0002	-	-	-	-	-	-	-	-	-	-	-	-
Lead (mg/l)	0.012	0.000	-	-	0.004	0.000	-	-	0.020	0.011	-	-	-	0.018

Table C.2.5 Results of Supplementary Water Quality Analysis (Third Time) (8/10)

Site No.	99	100	101	102	103	104	105
River Name	Dambu	Dambu	Crooval Sarat Tributary	Crooval Sarat Tributary	Crooval Sarat Tributary	Crooval Sarat Inflow	Crooval Sarat Effluent
Water Classification	Sewerage Inflow	Sewerage Effluent	Singeru	Choyani	Periodical Point	Supplementary Point	Upland town
Sampling Site	Ploesti city	Ploesti city	Periodical Point	Periodical Point	Supplementary Point	Upland town	Upland town
Remarks							
Code No.	4162	4162	275	280	O	4374	4374
Sampling Date	1998/7/22	1998/7/22	1998/7/24	1998/7/24	1998/7/24	1998/7/24	1998/7/24
Discharge(m ³ /s)	-	1.886	0.020	0.280	0.240	-	0.030
Water Temp(°C)	22.2	21.5	26.9	28.8	25.1	20.4	21.0
Color	Light Beige	Light Beige	Beige	Light Beige	Beige	Light Beige	Light Beige
Odor	Domestic	Domestic	Odorless	Odorless	Odorless	Domestic	Domestic
EC(ms/cm)	1.09	1.18	25.00	11.40	11.30	1.07	1.26
Turbidity	293	135	555	118	11	790	363
pH	7.53	7.70	8.37	8.57	8.24	7.79	7.23
NH4 ⁺ (mg/l)	-	18.24	0.93	1.62	0.93	-	43.14
NO2 ⁻ (mg/l)	-	0.04	0.16	0.12	0.10	-	0.36
NO3 ⁻ (mg/l)	-	0.60	4.90	5.30	2.00	-	0.20
Cl ⁻ (mg/l)	-	184.36	6027.35	1914.57	1985.48	-	106.36
Phenol (mg/l)	-	-	0.000	0.000	-	-	-
Fe ²⁺ (mg/l)	-	6.54	0.14	0.26	0.16	-	14.00
Dissolved O ₂ (mg/l)	3.92	4.83	12.11	12.96	13.54	0.06	4.07
Petroleum (mg/l)	-	8.60	0.00	0.60	0.00	-	4.30
BOD (mg/l)	76.28	51.22	14.93	12.04	7.88	164.90	60.48
COD(Mn) (mg/l)	44.05	32.63	11.11	7.35	5.15	109.57	40.98
SS (mg/l)	176	118	238	130	39	364	210
Cadmium (mg/l)	-	0.025	0.000	0.008	-	-	0.016
Cyanide (mg/l)	-	0.016	0.002	0.000	-	-	0.014
Cr6 ⁺ (mg/l)	-	0.052	0.000	0.004	-	-	0.008
Cr3 ⁺ (mg/l)	-	0.017	0.000	0.000	-	-	0.000
Copper (mg/l)	-	0.013	0.022	0.022	-	-	0.012
Ammonia Detergenis	-	1.682	0.025	0.032	0.039	-	0.443
Hg (mg/l)	-	0.006	0.000	0.000	-	-	0.006
Ni2 ⁺ (mg/L)	-	0.014	0.000	0.008	-	-	0.012
Organochlorine	-	-	0.0010	0.0005	-	-	-
Lead (mg/l)	-	0.042	0.000	0.000	-	-	0.005

Table C.2.5 Results of Supplementary Water Quality Analysis (Second Time) (9/10)

Site No.	1	2	3	4	5	6	7	8	9	10	11	12	13
River Name	Prahova	Prahova	Prahova	Prahova	Prahova	Prahova	Prahova	Azuga	Doftana	Doftana	Teleajen	Teleajen	Teleajen
Water Classification	Main River	Main River	Main River	Main River	Main River	Main River	Main River	Tributary	Tributary	Tributary	Tributary	Tributary	Tributary
Sampling Site	Predcal	amonte Sinaia	Cornu	Nedelea	Tinosu	Gherghita	Adincata	Azuga	amonte Traisteni	Ac. Voila	Cheia	Cura Vittoarei	Motra Domneasca
Remarks	Periodical Point	Periodical Point	Periodical Point	Periodical Point	Periodical Point	Periodical Point	Supplementary Point	Periodical Analysis	Periodical Point	Supplementary Point	Periodical Point	Periodical Point	Periodical Point
Code No.	180	195	200	217	220	270	H	190	205	B	230	240	260
Sampling Date	1998/7/20	1998/7/22	1998/7/22	1998/7/24	1998/7/20	1998/7/28	1998/7/22	1998/7/20	1998/7/29	1998/7/28	1998/7/20	1998/7/28	1998/7/28
aldrin (mg/m ³)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.031	0.000	0.000	0.053
alpha-BHC (alpha-HCH) (mg/m ³)	0.000	0.000	0.078	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
beta-BHC (beta-HCH) (mg/m ³)	0.363	0.456	0.244	0.170	0.376	0.210	0.234	0.306	0.095	0.067	0.288	0.380	0.241
delta-BHC (delta-HCH) (mg/m ³)	0.062	0.060	0.066	0.000	0.338	0.073	0.057	0.244	0.064	0.030	0.245	0.331	0.057
gamma-BHC (lindane) (mg/m ³)	0.198	0.310	0.225	0.102	0.134	0.042	0.047	0.201	0.087	0.083	0.159	0.174	0.045
4,4'-DDD (mg/m ³)	0.078	0.067	0.000	0.000	0.069	0.000	0.000	0.074	0.000	0.000	0.077	0.074	0.044
4,4'-DDE (mg/m ³)	0.058	0.066	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4,4'-DDT (mg/m ³)	0.000	0.054	0.000	0.000	0.056	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
dieldrin (mg/m ³)	0.000	0.000	0.000	0.000	0.046	0.031	0.023	0.000	0.000	0.000	0.000	0.000	0.030
endosulfan ¹ (mg/m ³)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
endosulfan ^{II} (mg/m ³)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
endosulfan sulfate (mg/m ³)	0.153	0.156	0.085	0.198	0.169	0.286	0.346	0.133	0.063	0.066	0.128	0.122	0.358
endrin (mg/m ³)	0.058	0.070	0.000	0.000	0.058	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
endrin aldehyde (mg/m ³)	0.133	0.072	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.113	0.000
heptachlor (mg/m ³)	0.040	0.028	0.072	0.038	0.122	0.000	0.026	0.054	0.019	0.028	0.110	0.128	0.000
heptachlor epoxide isomer B (mg/m ³)	0.034	0.031	0.000	0.035	0.035	0.016	0.025	0.029	0.000	0.000	0.000	0.030	0.025

Table C.2.5 Results of Supplementary Water Quality Analysis (Second Time) (10/10)

Site No.	14	15	16	17
River Name	Dimbu	Dimbu	Cricovul Sarat	Cricovul Sarat
Water Classification	Tributary	Tributary	Tributary	Tributary
Sampling Site	Goga	Baicov town	Singeru	Ciorani
Remarks	Periodical Point	Supplementary Point	Periodical Point	Periodical Point
Code No.	250	M	275	280
Sampling Date	1998/7/28	1998/7/22	1998/7/24	1998/7/24
aldrin (mg/m ³)	0.000	0.000	0.000	0.000
alpha-BHC (alpha-HCH)(mg/m ³)	0.000	0.000	0.000	0.000
beta-BHC(beta-HCH)(mg/m ³)	0.293	0.062	0.044	0.170
delta-BHC(delta-HCH)(mg/m ³)	0.074	0.068	0.068	0.050
gamma-BHC(gamma-HCH)(mg/m ³)	0.000	0.000	0.073	0.042
4,4'-DDD (mg/m ³)	0.102	0.000	0.000	0.000
4,4'-DDE (mg/m ³)	0.000	0.000	0.000	0.000
4,4'-DDT (mg/m ³)	0.000	0.000	0.000	0.000
dieldrin (mg/m ³)	0.000	0.000	0.000	0.000
endosulfan ¹ (mg/m ³)	0.000	0.000	0.059	0.000
endosulfan ² (mg/m ³)	0.000	0.000	0.000	0.000
endosulfan sulfate (mg/m ³)	0.338	0.000	0.665	0.246
endrin (mg/m ³)	0.000	0.069	0.000	0.000
endrin aldehyde (mg/m ³)	0.000	0.000	0.000	0.000
heptachlor (mg/m ³)	0.028	0.000	0.051	0.000
heptachlor epoxide-isomer B(mg/m ³)	0.000	0.000	0.000	0.000

Table C.2.6 Comparison between Second Time Supplementary Water Quality Analysis Data and National Standard of Wastewater Quality (1/2)

Site No.	River Name	Water Classification	Sampling Site	Remarks	Code No.	Effluent Point	pH	NH4+ (mg/l)	NO2- (mg/l)	NO3- (mg/l)	Cl- (mg/l)	Phenol (mg/l)	PO43- (mg/l)	Oil (mg/l)	BOD (mg/l)	COD (Mn) (mg/l)	SS (mg/l)	Cd2+ (mg/l)	CN- (mg/l)	Cr6+ (mg/l)	Cu2+ (mg/l)	Anionic Detergent (mg/l)	Hg (mg/L)	Ni2+ (mg/L)	Lead (mg/l)	Zinc (mg/l)
1	Prahova	Factory Effluent	S.C.BERES.A./Azuga Hospital	S.C.BERES.A./Azuga Hospital	4006	195	7.28	2.32	0.04	0.80	17.73	0.000	2.00	4.30	49.60	25.31	114	0.000	0.000	0.000	0.000	0.004	0.000	0.000	0.000	0.003
2	Prahova	Factory Effluent	Hospital/Azuga	Hospital	4010	195	7.58	0.57	0.02	0.40	35.45	0.000	2.74	1.20	24.71	11.08	128	0.000	0.000	0.000	0.000	0.730	0.000	0.000	0.000	0.010
3	Prahova	Factory Effluent	S.C.HARTIAS A./Busteni	Paper/Pulp	4014	195	7.54	0.75	0.08	0.40	39.01	0.001	0.22	1.80	7.43	5.10	151	0.000	0.000	0.000	0.000	0.006	0.000	0.000	0.000	0.002
4	Prahova	Factory Effluent	S.C.PETROU TILAJ	Petro-industry	4292	217	8.07	6.18	1.12	0.90	183.6	0.007	2.84	11.70	16.52	6.64	128	0.008	0.002	0.043	0.009	0.002	0.000	0.040	0.034	0.018
5	Prahova	Factory Effluent	S.C.VICTORI A.S.A.	Tire	4039	217	8.17	0.26	0.06	1.60	92.18	0.003	0.08	4.40	1.23	1.02	44	0.000	0.000	0.000	0.030	0.009	0.000	0.000	0.008	0.007
6	Prahova	Factory Effluent	RENEL /Ploiesti/Tarmal Plant	Thermal Plant	4047	E	7.87	2.01	0.08	0.70	460.9	0.003	0.20	6.40	9.82	3.29	115	0.000	0.000	0.000	0.000	0.014	0.000	0.000	0.002	0.007
7	Prahova	factory Effluent	S.C.PETROB RAZI S.A.	Petro-industry	4051	E	7.56	6.02	0.38	1.70	191.5	0.820	0.30	9.50	20.41	14.62	145	0.008	0.017	0.006	0.002	0.352	0.000	0.000	0.003	0.016
8	Prahova	Sewerage Effluent	Predael town		4317	180	6.81	6.39	0.14	0.60	49.64	0.000	1.40	0.40	7.54	5.06	54	0.000	0.000	0.000	0.000	0.003	0.000	0.000	0.003	0.000
9	Prahova	Sewerage Effluent	Busteni town		4011	195	8.18	1.08	0.10	0.40	20.18	0.000	0.48	6.10	4.90	2.20	203	0.000	0.004	0.000	0.000	0.004	0.000	0.000	0.002	0.001
10	Prahova	Sewerage Effluent	Sinaia town		4018	A	8.23	0.82	0.08	0.60	24.81	0.000	0.40	2.80	2.30	1.40	33	0.000	0.001	0.000	0.007	0.010	0.000	0.000	0.000	0.002
11	Prahova	Sewerage Effluent	CONSILJUL LOCAL		4032	217	7.33	2.30	0.30	0.90	141.8	0.000	1.80	7.00	6.07	3.93	87	0.009	0.010	0.008	0.003	0.032	0.000	0.005	0.000	0.007
12	Prahova	Sewerage Effluent	Breaza town		4028	200	7.77	16.23	1.00	0.20	85.09	0.000	7.18	2.80	9.50	6.50	110	0.043	0.009	0.050	0.007	0.026	0.000	0.083	0.012	0.008
13	Prahova	Sewerage Effluent	Cimpina city		4034	217	7.17	6.14	1.04	0.20	63.82	0.002	3.90	6.20	10.54	7.55	125	0.019	0.009	0.050	0.016	0.042	0.001	0.060	0.040	0.032
14	Prahova	Stock Farm Effluent	F.P.Comborsa /Stancesti		4082	220	7.32	376	0.80	0.80	1284	-	31.60	6.30	2504	382	1969	-	-	-	-	-	-	-	-	-
15	Prahova	Stock Farm Effluent	F.P.SancaSR L/Gharghite		4123	H	7.54	66.59	0.30	1.70	670.9	-	27.80	9.10	285	59.36	313	-	-	-	-	-	-	-	-	-
16	Azuga	Factory Effluent	S.C.POSTAV. SA./Azuga	Textile	4007	195	6.77	2.16	0.18	0.70	49.64	0.011	0.34	10.60	21.89	11.08	146	0.000	0.002	0.060	0.008	0.209	0.000	0.000	0.000	0.005
17	Azuga	Factory Effluent	S.C.SINTER EF.S.A.	Refractory Materials Factory	4004	195	7.84	0.95	0.00	0.20	28.36	0.000	0.14	0.80	1.07	0.84	49	0.000	0.000	0.000	0.000	0.007	0.000	0.000	0.000	0.000
18	Azuga	Sewerage Effluent	Azuga town		4008	195	7.88	5.80	2.00	0.20	24.81	0.000	1.42	3.30	14.99	8.51	77	0.000	0.000	0.000	0.000	0.011	0.000	0.010	0.000	0.007
19	Deftana	Factory Effluent	S.C.STEAUA ROMANA	Petro-chemical Salt	4035	C	8.03	1.00	0.06	0.70	248.2	0.098	0.24	4.40	15.99	11.80	63	0.007	0.002	0.000	0.037	0.349	0.000	0.000	0.017	0.027
20	Teleajen	Factory Effluent	SALINA Slanic	Salt	4582	K	7.85	20.61	0.04	0.60	354.6	0.000	3.60	1.10	16.64	9.11	36	0.000	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.000
21	Teleajen	Factory Effluent	S.C.GESS.A./Boldesti	Glass Ware	4022	L	7.33	12.88	2.40	0.90	214.1	0.000	4.74	5.50	10.01	7.35	138	0.000	0.000	0.000	0.000	0.009	0.000	0.000	0.008	0.002

Table C.2.6 Comparison between Second Time Supplementary Water Quality Analysis Data and National Standard of Wastewater Quality (2/2)

Site No.	River Name	Water Classification	Sampling Site	Remarks	Code No.	Effluent Point	pH	NH4- (mg/l)	NO2- (mg/l)	NO3- (mg/l)	Cl- (mg/l)	Phenol (mg/l)	PO43- (mg/l)	Oil (mg/l)	BOD (mg/l)	COD (Mn) (mg/l)	SS (mg/l)	Co2+ (mg/l)	CN- (mg/l)	Cr6+ (mg/l)	Cu2+ (mg/l)	Anionic Detergent ts (mg/l)	Hg (mg/l)	Ni2+ (mg/L)	Lead (mg/l)	Zinc (mg/l)
22	Teleajen	Factory Effluent	S.C.AHRO. S.A./Baldesti caleni	Paper	4102	L	7.72	1.80	5.60	3.90	212.7	0.002	0.72	5.30	24.80	21.74	337	0.000	0.000	0.000	0.000	0.040	0.000	0.000	0.020	0.001
23	Teleajen	Factory Effluent	S.C.ARPACO R.S.A./Bucov	Rubber	4112	L	7.80	1.44	3.20	6.50	269.1	0.000	0.36	3.70	7.35	3.81	42	0.000	0.000	0.000	0.009	0.011	0.000	0.000	0.010	0.003
24	Teleajen	Factory Effluent	S.C.REALS S.A./Pleasa	Refractory Ceramic Building Materials	4106	L	7.91	0.83	0.20	1.20	238.2	0.000	4.20	2.50	4.62	3.29	32	0.000	0.000	0.000	0.000	0.005	0.000	0.000	0.000	0.000
25	Teleajen	Factory Effluent	S.C.SOCERA M.S.A.	Building Materials	4103	L	7.96	0.95	0.30	6.90	225.5	0.000	0.40	1.90	1.11	0.68	6	0.000	0.000	0.000	0.000	0.006	0.000	0.000	0.000	0.000
26	Teleajen	Factory Effluent	S.C.PETROT EL.S.A./Ploie chemical	Petro-chemical	4148	L	7.84	1.08	0.18	0.70	212.7	0.048	0.26	9.20	9.71	4.90	141	0.009	0.002	0.004	0.000	0.205	0.000	0.000	0.006	0.003
27	Teleajen	Factory Effluent	S.C.MATIZOL S.A./Berceni	Isolation Materials	4150	L	7.54	4.64	3.40	0.90	390	0.012	0.56	1.40	19.46	16.55	121	0.001	0.000	0.000	0.000	0.046	0.000	0.000	0.003	0.007
28	Teleajen	Factory Effluent	S.C.ROMFOS FOCHIM.S.A.	Chemical Products	4117	L	7.29	9.44	0.00	1.30	460.9	0.000	0.64	2.60	18.19	10.76	159	0.002	0.001	0.008	0.030	0.008	0.000	0.004	0.000	0.020
29	Teleajen	Sewerage Effluent	Cheia Village		4086	J	7.86	0.82	0.02	0.40	25.09	0.000	0.20	0.20	0.68	0.92	12	0.000	0.000	0.000	0.000	0.089	0.000	0.000	0.091	0.004
30	Teleajen	Sewerage Effluent	Valenii de Munte town		4506	240	7.72	14.17	9.70	1.00	35.45	0.066	3.99	3.20	16.40	10.44	76	0.002	0.002	0.006	0.004	0.029	0.000	0.005	0.000	0.007
31	Teleajen	Sewerage Effluent	Maneciu Ungureni Village		4088	J	7.46	21.89	0.20	0.40	70.91	0.000	9.69	4.19	38.79	20.88	51	0.000	0.000	0.000	0.000	0.087	0.000	0.000	0.002	0.006
32	Teleajen	Sewerage Effluent	Baldesti Scieni town		4517	L	7.86	7.24	0.88	1.30	312	0.013	3.56	3.90	8.61	3.91	48	0.003	0.004	0.008	0.000	0.043	0.000	0.007	0.020	0.006
33	Teleajen	Sewerage Effluent	Sianio		4127	K	7.89	4.76	0.04	0.20	283.6	0.000	2.02	7.20	9.81	4.74	99	0.004	0.002	0.040	0.000	0.024	0.000	0.030	0.000	0.000
34	Teleajen	Stock Farm Effluent	F.Visi.F.P.Agr os/Scateni		4577	L	6.69	61.19	0.20	1.40	3723	-	9.99	7.40	231	55.96	2894	-	-	-	-	-	-	-	-	-
35	Dimbu	Factory Effluent	S.C.DAGIAS.A./Ploiesti	Metal Works/Repair	4147	250	8.79	3.61	0.38	0.60	191.5	0.000	1.28	4.50	4.93	2.45	22	0.007	0.001	0.050	0.000	0.075	0.000	0.000	0.030	0.008
36	Dimbu	Factory Effluent	24 IANUARIE./Pi oiesti	Metal Works	4141	250	7.66	1.67	0.72	0.60	205.6	0.000	0.78	4.10	4.05	2.21	18	0.016	0.002	0.000	0.023	0.009	0.000	0.030	0.016	0.031
37	Dimbu	Factory Effluent	S.C.ASTRA ROMANA/ Baicui town	Petro-chemical	4158	250	7.66	9.25	0.18	0.20	212.7	0.064	0.14	12.70	15.97	10.76	114	0.000	0.001	0.000	0.000	0.883	0.000	0.008	0.006	0.010
38	Dimbu	Sewerage Effluent	Ploiesti city		4041	250	7.65	13.39	0.14	2.80	177.3	0.000	4.18	4.60	14.55	8.54	128	0.025	0.010	0.042	0.019	0.186	0.000	0.060	0.024	0.020
39	Dimbu	Sewerage Effluent	Ploiesti city		4162	250	7.94	20.30	0.04	0.90	163.1	0.004	5.64	16.30	33.45	10.76	183	0.040	0.005	0.080	0.028	2.982	0.003	0.080	0.068	0.050
40	Cricovul Sarat	Sewerage Effluent	Urati town		4374	280	7.08	28.76	0.92	0.80	283.6	0.005	0.77	7.90	72.62	37.20	152	0.010	0.006	0.000	0.001	0.750	0.000	0.002	0.000	0.003

Table C.2.6 Comparison between Second Time Supplementary Water Quality Analysis Data and National Standard of Wastewater Quality (2/2)

Site No.	River Name	Water Classification	Sampling Site	Remarks	Code No.	Effluent Point	pH	NH ₄ ⁺ (mg/l)	NO ₂ ⁻ (mg/l)	NO ₃ ⁻ (mg/l)	Cl ⁻ (mg/l)	Phenol (mg/l)	PO ₄ ³⁻ (mg/l)	Oil (mg/l)	BOD (mg/l)	COO (mg/l)	SS (mg/l)	Ca ²⁺ (mg/l)	CN ⁻ (mg/l)	Cr ⁶⁺ (mg/l)	Ca ²⁺ (mg/l)	Anionic Detergent (mg/l)	Hg (mg/l)	Ni ²⁺ (mg/l)	Lead (mg/l)	Zinc (mg/l)
22	Teleajen	Factory Effluent	SC CAIRO S.A. Boidest. caian	Paper	4102	L	7.72	1.80	5.60	3.90	212.7	0.002	0.72	5.30	24.80	21.74	337	0.000	0.000	0.000	0.040	0.000	0.000	0.000	0.020	0.001
23	Teleajen	Factory Effluent	SCARPACO R.S.A./Bucov	Rubber	4112	L	7.80	1.44	3.20	6.50	269.1	0.000	0.36	3.70	7.35	3.81	42	0.000	0.000	0.000	0.011	0.000	0.000	0.000	0.010	0.003
24	Teleajen	Factory Effluent	SCREALS S.A./Pleasa	Refractory Ceramic	4106	L	7.91	8.63	0.20	1.70	238.2	0.000	4.20	7.50	4.62	3.29	32	0.000	0.000	0.000	0.005	0.000	0.000	0.000	0.000	0.000
25	Teleajen	Factory Effluent	SCSOCERA M.S.A.	Building Materials	4103	L	7.96	0.95	0.30	6.90	225.5	0.000	0.40	1.90	1.11	0.68	6	0.000	0.000	0.000	0.006	0.000	0.000	0.000	0.000	0.000
26	Teleajen	Factory Effluent	SCPETROT ELSA/Plorie	Petro-chemical	4148	L	7.84	1.08	0.18	0.70	212.7	0.048	0.26	9.20	9.71	4.90	141	0.009	0.002	0.004	0.000	0.205	0.000	0.000	0.000	0.006
27	Teleajen	Factory Effluent	SCMATIZOL S.A./Baceni	Isolation Materials	4150	L	7.54	4.64	3.60	0.90	390	0.012	0.56	1.40	19.46	16.55	121	0.001	0.000	0.000	0.045	0.000	0.000	0.000	0.003	0.007
28	Teleajen	Factory Effluent	SCROMFOS FOCHIM.S.A.	Chemical Products	4117	L	7.29	6.44	0.00	1.30	460.9	0.000	0.64	2.60	18.19	10.76	153	0.002	0.001	0.008	0.030	0.008	0.000	0.004	0.000	0.020
29	Teleajen	Sewerage Effluent	Cheia Village		4086	J	7.86	0.82	0.02	0.40	25.09	0.000	0.20	0.20	0.68	0.92	12	0.000	0.000	0.000	0.000	0.069	0.000	0.000	0.001	0.004
30	Teleajen	Sewerage Effluent	Valeni de Munte town		4306	240	7.72	14.17	2.70	1.00	35.45	0.006	5.86	3.70	16.40	10.44	76	0.002	0.002	0.006	0.004	0.029	0.000	0.005	0.000	0.007
31	Teleajen	Sewerage Effluent	Manaciul Ungureni Village		4088	J	7.46	21.89	0.20	0.40	70.91	0.000	9.66	6.10	38.79	20.88	51	0.000	0.000	0.000	0.000	0.087	0.000	0.000	0.002	0.006
32	Teleajen	Sewerage Effluent	Boldesti Scaieni town		4517	L	7.86	7.34	0.88	1.30	312	0.013	3.56	5.60	8.61	3.91	48	0.003	0.004	0.008	0.000	0.043	0.000	0.007	0.020	0.008
33	Teleajen	Sewerage Effluent	Sianc		4127	K	7.89	4.76	0.04	0.20	283.6	0.000	2.02	7.20	9.81	4.74	99	0.004	0.002	0.040	0.000	0.024	0.000	0.030	0.000	0.000
34	Teleajen	Stock Farm Effluent	F.V.s./P.Agr os/Scaieni		4577	L	6.69	81.13	0.20	1.40	3723	-	9.96	7.40	231	55.96	2864	-	-	-	-	-	-	-	-	-
35	Dimbu	Factory Effluent	SCDADIA S.A./Ploiesti	Metal Works/Repair	4147	250	8.79	3.61	0.38	0.60	191.5	0.000	1.28	4.50	4.93	2.45	22	0.007	0.001	0.050	0.000	0.075	0.000	0.000	0.030	0.008
36	Dimbu	Factory Effluent	24 IANUARIE/Ploiesti	Metal Works	4141	250	7.66	1.67	0.72	0.60	205.6	0.000	0.78	4.10	4.05	2.21	18	0.016	0.002	0.000	0.023	0.009	0.000	0.030	0.016	0.031
37	Dimbu	Factory Effluent	SCASTRA ROMANA/Bacoi town	Petro-chemical	4158	250	7.66	8.26	0.18	0.20	212.7	0.064	0.14	12.70	15.97	10.76	114	0.000	0.001	0.000	0.000	0.992	0.000	0.008	0.006	0.010
38	Dimbu	Sewerage Effluent	Ploiesti city		4041	250	7.65	13.39	0.14	2.80	177.3	0.000	4.18	4.60	14.55	8.54	128	0.025	0.010	0.042	0.019	0.186	0.000	0.060	0.024	0.020
39	Dimbu	Sewerage Effluent	Urali town		4162	250	7.94	20.30	0.04	0.90	183.1	0.004	5.64	16.30	33.45	10.76	183	0.040	0.005	0.080	0.028	2.982	0.003	0.060	0.068	0.050
40	Sarat	Sewerage Effluent	Urali town		4374	280	7.08	25.76	0.02	0.80	283.6	0.005	0.77	7.90	72.82	37.20	152	0.010	0.006	0.000	0.001	0.750	0.000	0.002	0.000	0.003

Table C.2.7 Comparison between Third Time Supplementary Water Quality Analysis Data and National Standard of Wastewater Quality (1/2)

Site No.	River Name	Water Classification	Sampling Site	Remarks	Code No.	Effluent Point	pH	NH4+ (mg/l)	NO2- (mg/l)	NO3- (mg/l)	Cl- (mg/l)	Phenol (mg/l)	PO43- (mg/l)	Oil (mg/l)	BOD (mg/l)	COD (Mn) (mg/l)	SS (mg/l)	Ca2+ (mg/l)	CN- (mg/l)	Cr6+ (mg/l)	Cu2+ (mg/l)	Anionic Detergent (mg/l)	Hg (mg/l)	Ni2+ (mg/l)	Lead (mg/l)	Zinc (mg/l)
1	Prahova	Factory Effluent	S.C.BERESA /Azuga	S.C.BERES. A./Azuga	4008	195	7.28	0.08	0.20	17.72	-	5.48	0.08	37.01	108	-	-	-	-	-	-	-	-	-	-	-
2	Prahova	Factory Effluent	Hospital /Azuga	Hospital	4010	195	8.05	0.04	0.10	38.99	-	3.76	3.60	16.88	10.48	-	-	-	-	-	-	-	-	-	-	-
3	Prahova	Factory Effluent	IRA.Cimpna	Land Transport	4575	217	8.16	9.52	0.60	67.36	-	8.48	9.70	20.58	9.23	138	0.006	0.006	0.002	0.061	0.145	0.000	0.006	0.005	0.049	
4	Prahova	Factory Effluent-1	S.C.PETROU TILAJ	Petro- industry	4292	217	8.07	0.22	0.10	262.1	-	1.56	4.00	11.96	6.02	122	0.008	0.000	0.020	0.010	-	0.000	0.011	0.038	0.022	
5	Prahova	Factory Effluent-2	S.C.PETROU TILAJ	Petro- industry	4292	217	8.08	0.42	2.90	320.2	-	1.16	7.00	17.42	8.03	98	0.004	0.002	0.008	0.012	0.053	0.000	0.014	0.007	0.018	
6	Prahova	Factory Effluent-1	S.C.VICTORI A.S.A.	Tire	4039	217	8.50	0.10	0.26	1.70	231.9	0.04	0.32	1.20	2.56	1.85	0.000	0.000	0.000	0.008	0.045	0.000	0.009	0.000	0.017	
7	Prahova	Factory Effluent	RENEL /Poiesi/ Termal Plant	Thermal Plant	4047	220	6.98	0.80	0.20	3.10	255.3	0.008	0.22	3.70	13.71	82	0.000	0.006	0.000	0.002	0.229	0.000	0.002	0.008	0.017	
8	Prahova	Factory Effluent-1	S.C.PETROB RAZI. S.A.	Petro- industry	4051	220	7.79	1.80	0.20	1.40	283.6	0.44	0.44	20.15	116	0.010	0.018	0.002	0.008	0.384	0.000	0.058	0.006	0.028		
9	Prahova	Factory Effluent-2	S.C.PETROB RAZI. S.A.	Petro- industry	4051	220	7.98	1.16	0.46	2.80	141.8	0.56	0.56	12.62	74	0.010	0.027	0.000	0.057	0.372	0.000	0.004	0.003	0.032		
10	Prahova	Sewerage Effluent	Predeal town		4317	180	8.46	0.48	0.80	1.20	35.45	0.000	0.42	0.40	5.89	4.35	29	0.001	0.002	0.002	0.000	0.014	0.000	0.000	0.006	
11	Prahova	Sewerage Effluent	Burteni town		4011	195	8.11	0.10	0.50	14.18	0.000	0.96	3.60	12.02	7.15	327	0.000	0.001	0.000	0.000	0.076	0.000	0.000	0.004	0.022	
12	Prahova	Sewerage Effluent	Sinalia town		4018	A	8.18	1.29	0.04	0.80	21.27	0.005	0.00	2.40	16.54	10.71	20	0.005	0.012	0.008	0.000	0.444	0.000	0.011	0.000	
13	Prahova	Sewerage Effluent	CONSILIU LOCAL		4032	217	8.07	0.22	0.10	1098	0.010	0.00	0.00	19.83	14.20	138	0.008	0.008	0.009	0.010	0.229	0.004	0.006	0.005	0.024	
14	Prahova	Sewerage Effluent	Breaza town		4028	200	8.30	0.04	0.10	63.81	0.003	1.38	2.00	13.75	110	0.038	0.010	0.046	0.009	0.650	0.000	0.072	0.015	0.034		
15	Prahova	Sewerage Effluent	Cimpna city		4034	217	8.00	0.12	1.00	42.54	0.001	0.50	3.50	21.50	60	0.005	0.008	0.040	0.003	0.589	0.005	0.064	0.031	0.056		
16	Prahova	Stock Farm Effluent	F.P.Compana /Stancesti		4082	220	7.52	0.70	11.00	108.5	0.00	0.30	1.20	242	340	-	-	-	-	-	-	-	-	-	-	
17	Prahova	Stock Farm Effluent	F.P.SancaSR L/Gherghita		4123	H	7.38	1.18	12.00	9.20	269.5	0.00	0.20	161	1356	-	-	-	-	-	-	-	-	-	-	
18	Azuga	Factory Effluent	S.C.SINTER EF.S.A.	Refractory Materials Factory	4004	195	9.28	1.13	0.02	0.70	14.18	-	0.26	2.10	4.06	2.39	68	-	-	-	-	0.063	-	-	-	
19	Azuga	Sewerage Effluent	Azuga town		4008	195	8.46	4.36	1.20	2.10	24.81	0.000	1.92	5.39	15.06	7.32	88	-	-	-	-	0.250	-	-	-	
20	Doftana	Factory Effluent	S.C.STEAUA ROMANA	Petro- chemical	4035	C	8.43	2.96	0.24	1.70	141.8	0.002	0.12	670	21.92	10.68	34	0.005	0.004	0.006	0.017	1.182	0.000	0.005	0.009	
21	Teleajen	Factory Effluent	SALINA Slanic	Salt	4582	K	6.79	0.92	0.02	0.30	354.6	-	1.96	4.70	11.28	7.83	21	-	-	-	-	0.040	-	-	-	
22	Teleajen	Factory Effluent	S.C.GES.S.A /Bodesti	Glass Ware	4022	L	8.40	3.22	0.64	0.30	397.1	-	1.64	4.10	12.41	4.47	24	-	-	-	-	0.070	-	-	-	
23	Teleajen	Factory Effluent	S.A./Baldesti caleni	Paper	4102	L	7.12	2.47	5.60	4.30	326.2	-	0.28	0.50	41.11	28.55	203	-	-	-	-	0.062	-	-	-	

Table C.2.7 Comparison between Third Time Supplementary Water Quality Analysis Data and National Standard of Wastewater Quality (1/2)

Site No.	River Name	Water Classification	Sampling Site	Remarks	Code No.	Effluent Point	pH	NH4+ (mg/l)	NO2- (mg/l)	NO3- (mg/l)	Cl- (mg/l)	Pheno (mg/l)	PO43- (mg/l)	Oil (mg/l)	BOD (mg/l)	COD (Mn) (mg/l)	SS (mg/l)	Cd2+ (mg/l)	CN- (mg/l)	Cr6+ (mg/l)	Cu2+ (mg/l)	Anionic Detergen (mg/l)	Hg (mg/l)	Ni2+ (mg/L)	Lead (mg/l)	Zinc (mg/l)
1	Prahova	Factory Effluent	S.C.BERE-SA /Azuga	S.C.BERE-SA A./Azuga	4006	195	7.28	4.38	0.08	0.20	17.72	-	5.48	8.60	75.25	37.01	102	-	-	-	-	-	-	-	-	-
2	Prahova	Factory Effluent	Hospital /Azuga	Hospital	4010	195	8.60	7.46	0.04	0.10	38.99	-	3.76	3.60	16.88	10.48	69	-	-	-	-	-	-	-	-	-
3	Prahova	Factory Effluent	I.R.A.Cimpina	Land Transport	4575	217	8.78	9.52	0.06	0.60	67.36	-	8.46	9.70	20.58	9.23	138	10.006	0.006	0.002	0.061	0.145	0.000	0.006	0.005	0.049
4	Prahova	Factory Effluent-1	S.C.PETROU TILAJ	Petro- industry	4292	217	8.72	15.45	0.22	0.10	262.1	-	1.56	4.00	11.96	6.02	122	10.008	0.000	0.020	0.010	-	0.000	0.011	0.038	0.022
	Prahova	Factory Effluent-2	S.C.PETROU TILAJ	Petro- industry	4292	217	8.89	5.98	0.42	2.90	328.2	-	1.16	7.50	17.42	8.03	68	10.004	0.002	0.008	0.012	0.053	0.000	0.014	0.007	0.018
5	Prahova	Factory Effluent-1	S.C.VICTORI A.S.A.	Tire	4039	217	8.88	1.21	0.08	10.30	99.27	0.000	0.20	1.10	3.02	2.19	11	0.000	0.004	0.000	0.000	0.030	0.000	0.006	0.000	0.006
6	Prahova	Factory Effluent-2	S.C.VICTORI A.S.A.	Tire	4039	217	8.50	0.10	0.26	1.70	231.9	0.004	0.32	1.20	2.56	1.85	141	0.000	0.000	0.000	0.006	0.045	0.000	0.009	0.000	0.011
	Prahova	Factory Effluent	RENEI /Ploiesti/ Termal Plant	Thermal Plant	4047	220	6.98	0.60	0.20	3.10	255.3	0.008	0.22	3.70	20.51	13.71	67	10.000	0.006	0.000	0.002	0.229	0.000	0.002	0.008	0.017
7	Prahova	Factory Effluent-1	S.C.PETROB RAZI S.A.	Petro- industry	4051	220	7.79	1.80	0.20	1.40	283.6	0.410	0.44	13.50	29.98	20.15	112	10.010	0.018	0.002	0.008	0.394	0.000	0.058	0.006	0.028
8	Prahova	Factory Effluent-2	S.C.PETROB RAZI S.A.	Petro- industry	4051	220	7.58	1.16	0.46	2.90	141.8	0.108	0.56	22.80	20.11	12.62	74	10.010	0.027	0.000	0.057	0.372	0.000	0.004	0.003	0.022
9	Prahova	Sewerage Effluent	Predeal town		4317	180	8.46	0.48	0.60	1.20	35.45	0.000	0.42	0.40	5.89	4.35	29	10.001	0.002	0.002	0.000	0.014	0.000	0.000	0.000	0.006
10	Prahova	Sewerage Effluent	Busteni town		4011	195	8.06	2.11	0.10	0.50	14.18	0.000	0.96	3.60	12.02	7.15	327	10.000	0.001	0.000	0.000	0.075	0.000	0.000	0.000	0.004
11	Prahova	Sewerage Effluent	Smata town		4018	A	8.18	1.29	0.04	0.80	21.27	0.005	6.08	2.40	16.54	10.71	20	0.005	0.012	0.008	0.000	0.444	0.006	0.011	0.000	0.029
12	Prahova	Sewerage Effluent	CONSILUL LOCAL		4032	217	8.07	15.45	0.22	0.10	1.099	0.010	4.92	7.00	19.83	14.20	139	0.008	0.008	0.009	0.010	0.229	0.004	0.008	0.005	0.024
13	Prahova	Sewerage Effluent	Brezoa town		4028	200	8.30	21.63	0.04	0.10	63.61	0.003	1.38	2.00	20.06	13.75	110	10.036	0.010	0.046	0.009	0.650	0.006	0.072	0.015	0.034
14	Prahova	Sewerage Effluent	Cimpina city		4034	217	9.20	6.70	0.12	1.00	42.54	0.001	6.20	3.50	29.43	21.50	60	10.005	0.006	0.040	0.003	0.590	0.005	0.064	0.001	0.056
15	Prahova	Stock Farm Effluent	F.P.Comborsa /Stancesti		4082	220	7.52	118	0.70	11.00	108.51	0.418	73.20	1.20	5.27	24.2	840	-	-	-	-	-	-	-	-	-
16	Prahova	Stock Farm Effluent	F.P.SanceaSR L/Gheorghita		4123	H	7.38	113	12.00	9.20	269.5	0.398	49.20	7.70	4.28	181	1356	-	-	-	-	-	-	-	-	-
17	Azuga	Factory Effluent	S.C.SINTERI EFSA	Refractory Materials Factory	4004	195	9.22	1.13	0.02	0.70	14.18	-	0.26	2.10	4.06	2.99	82	-	-	-	-	0.063	-	-	-	-
18	Azuga	Sewerage Effluent	Azuga town		4008	195	8.43	4.38	1.20	2.10	24.81	0.000	1.92	5.20	15.06	7.22	86	-	-	-	-	0.250	-	-	-	-
19	Dorfana	Factory Effluent	S.C.STEAUA ROMANA	Petro- chemical	4035	C	8.43	2.96	0.24	1.70	141.61	0.092	0.12	6.70	21.92	10.68	34	10.005	0.004	0.006	0.017	1.182	0.000	0.006	0.009	0.056
20	Teleajen	Factory Effluent	SALINA Slanic	Salt	4582	K	6.79	6.92	0.02	0.30	354.6	-	1.96	4.70	11.56	7.63	21	-	-	-	-	0.040	-	-	-	-
21	Teleajen	Factory Effluent	S.C.GESSA Boldesti	Glass Ware	4022	L	6.40	3.22	0.64	0.30	397.1	-	1.54	4.10	12.41	4.47	24	-	-	-	-	0.070	-	-	-	-
22	Teleajen	Factory Effluent	S.C.CAHIRO S.A. Boldesti	Paper	4102	L	7.12	2.47	5.60	4.30	320.9	-	1.15	1.90	47.1	28.55	200	-	-	-	-	0.000	-	-	-	-
23																										

Table C.2.7 Comparison between Third Time Supplementary Water Quality Analysis Data and National Standard of Wastewater Quality (2/2)

Site No.	River Name	Water Classification	Sampling Site	Remarks	Code No.	Effluent Point	pH	NH4+ (mg/l)	NO2- (mg/l)	NO3- (mg/l)	Cl- (mg/l)	Phenol (mg/l)	PO43-Oi (mg/l)	BOD (mg/l)	COD (Mn) (mg/l)	SS (mg/l)	Cd2+ (mg/l)	CN- (mg/l)	Cr6+ (mg/l)	Cu2+ (mg/l)	Anionic Detergents (mg/l)	Hg (mg/l)	Ni2+ (mg/L)	Lead (mg/l)	Zinc (mg/l)	
24	Teleajen	Factory Effluent	S.CARPACO	Rubber	4112	L	6.83	1.44	0.16	9.00	397.1	-	0.30	0.00	4.61	2.06	14	-	-	-	0.066	-	-	-	-	
25	Teleajen	Factory Effluent	S.C.REALS	Refractory Ceramic	4106	L	7.02	4.82	0.12	5.20	653.2	-	1.90	4.90	2.70	1.58	28	-	-	-	0.030	-	-	-	-	
26	Teleajen	Factory Effluent	S.C.SOCERA	Building Materials	4103	L	6.59	2.29	0.14	30.00	368.7	-	0.38	6.03	13.86	5.31	32	-	-	-	0.088	-	-	-	-	
27	Teleajen	Factory Effluent	S.C.PETROT	Petro-chemical	4148	L	6.80	3.39	0.04	3.80	212.8	0.106	0.12	6.03	15.52	9.27	62	0.005	0.004	0.006	0.021	0.055	0.000	0.009	0.016	
28	Teleajen	Factory Effluent	S.C.MATZOL	Isolation Materials	4150	L	6.80	1.50	0.00	0.70	603	-	0.28	7.80	15.83	8.76	126	-	-	-	-	0.183	-	-	-	-
29	Teleajen	Factory Effluent	S.C.ROMFOS	Chemical Products	4117	L	6.80	11.57	0.08	0.80	397.1	0.000	2.00	0.40	17.21	11.28	116	0.006	0.002	0.010	0.020	0.268	0.008	0.009	0.000	0.038
30	Teleajen	Sewerage Effluent	Ches Village		4086	J	6.80	3.80	0.04	1.00	39.08	-	1.20	2.50	5.19	1.93	19	0.000	0.000	0.000	0.000	0.098	0.000	0.000	0.000	0.015
31	Teleajen	Sewerage Effluent	Valeni de Munte town		4506	240	6.82	3.80	0.04	0.80	120.5	-	5.50	4.60	17.86	15.81	18	0.015	0.008	0.006	0.003	0.840	0.002	0.013	0.003	0.032
32	Teleajen	Sewerage Effluent	Manescu Ungureni Village		4088	J	7.19	3.80	0.80	0.30	42.54	-	3.60	3.60	21.77	21.77	83	0.004	0.010	0.004	0.000	0.102	0.000	0.000	0.002	0.019
33	Teleajen	Sewerage Effluent	Propeni Town		4578	L	8.40	3.80	0.90	0.50	382.9	-	3.60	3.60	18.55	18.55	105	0.008	0.019	0.005	0.041	0.124	0.005	0.018	0.006	0.022
34	Teleajen	Sewerage Effluent	Boldesti		4517	L	7.60	3.80	0.90	3.30	227	-	1.54	2.50	8.14	3.51	26	0.009	0.008	0.005	0.000	0.214	0.008	0.011	0.013	0.051
35	Teleajen	Sewerage Effluent	Scaleni town		4127	K	7.50	3.80	0.84	0.80	411.3	-	1.54	2.50	8.14	3.51	18	0.002	0.010	0.032	0.000	0.740	0.008	0.009	0.000	0.020
36	Teleajen	Stock Farm Effluent	F.Vai.F.P.Agr	oa/Scaleni	4577	L	6.54	3.80	0.28	16.70	486.4	-	4.80	1.00	1.00	1.00	23	-	-	-	-	-	-	-	-	-
37	Dimbu	Factory Effluent	GOCACOLA	Food Products	4311	250	7.80	0.93	0.10	0.70	480.9	-	0.80	4.00	11	7.27	42	-	-	-	-	-	-	-	-	-
38	Dimbu	Factory Effluent	Ploiesti /Ploiesti	Petro-chemical Products	4137	250	6.80	3.80	0.84	6.80	283.6	0.008	3.72	1.40	8	3.55	79	0.000	0.002	0.008	0.003	0.025	0.000	0.011	0.004	0.042
39	Dimbu	Factory Effluent	FEROMAIL	Metal Products	4146	250	6.80	3.80	0.02	8.60	312	-	0.62	2.50	12	5.95	235	0.003	0.000	0.004	0.005	0.097	0.000	0.004	0.000	0.022
40	Dimbu	Factory Effluent	INCA.F.	Food Products	4143	250	6.20	3.80	0.40	11.80	255.3	-	7.50	7.50	353	353	-	-	-	-	-	-	-	-	-	-
41	Dimbu	Factory Effluent	S.C.DACIA.S.A./Ploiesti	Metal Works/Repair	4147	250	7.00	0.77	1.86	3.60	184.4	-	1.56	0.90	7.21	4.55	28	0.010	0.012	0.034	0.010	9.770	0.000	0.013	0.020	0.018
42	Dimbu	Factory Effluent	IANUARIE/Ploiesti	Metal Works	4141	250	7.83	1.96	0.64	0.40	106.4	-	0.88	10.30	10.42	6.91	37	0.005	0.006	0.006	0.021	0.134	0.000	0.026	0.011	0.023
43	Dimbu	Factory Effluent	S.C.ASTRA ROMANA	Petro-chemical	4158	250	7.83	3.80	0.14	0.50	212.7	-	0.36	2.14	15.50	26	-	-	-	-	-	-	-	-	-	-
44	Dimbu	Sewerage Effluent	Balcoi town		4041	250	7.60	1.75	0.06	0.50	74.75	0.000	3.00	3.40	24.75	21.14	64	0.028	0.014	0.028	0.025	0.374	0.005	0.046	0.010	0.035
45	Dimbu	Sewerage Effluent	Ploiesti city		4162	250	7.70	1.64	0.04	0.60	184.4	-	3.84	3.80	31.32	32.83	118	0.025	0.016	0.052	0.013	1.682	0.008	0.014	0.042	0.049
46	Crivoiul Sarat	Sewerage Effluent	Uruti town		4374	280	7.23	4.14	0.36	0.20	106.4	-	1.80	4.30	60.48	40.98	210	0.016	0.014	0.008	0.012	0.443	0.008	0.012	0.005	0.038

Table C.2.7 Comparison between Third Time Supplementary Water Quality Analysis Data and National Standard of Wastewater Quality (2/2)

Site No.	River Name	Water Classification	Sampling Site	Remarks	Code No.	Effluent Point	pH	NH4+ (mg/l)	NO2- (mg/l)	NO3- (mg/l)	Cl- (mg/l)	Phenol (mg/l)	PO43- (mg/l)	Oil (mg/l)	BOD (mg/l)	COD (mg/l)	SS (mg/l)	Cd2+ (mg/l)	CN- (mg/l)	Cr6+ (mg/l)	As (mg/l)	Hg (mg/l)	Ni2+ (mg/l)	Lead (mg/l)	Zinc (mg/l)	
24	Teleajen	Factory Effluent	S.C.ARPACO	Rubber	4112	L	6.83	1.44	0.16	9.00	397.1	-	0.30	0.00	4.51	2.06	14	-	-	-	0.066	-	-	-	-	
25	Teleajen	Factory Effluent	S.C.REALS	Refractory	4106	L	7.02	4.93	0.12	5.20	658.2	-	1.90	4.90	2.70	1.58	28	-	-	-	0.030	-	-	-	-	
26	Teleajen	Factory Effluent	S.C.SOCERA	Building Materials	4103	L	6.59	2.06	0.14	30.00	368.7	-	0.36	6.00	10.86	5.31	32	-	-	-	0.088	-	-	-	-	
27	Teleajen	Factory Effluent	S.C.PETROT	Petro-chemical	4148	L	6.80	2.58	0.04	3.80	2113	0.105	0.12	6.00	15.52	9.27	62	0.005	0.004	0.006	0.021	0.055	0.000	0.009	0.005	0.016
28	Teleajen	Factory Effluent	S.C.MATIZOL	Isolation Materials	4150	L	6.80	1.50	2.00	0.70	603	-	0.28	7.90	15.83	8.76	120	-	-	-	0.183	-	-	-	-	
29	Teleajen	Factory Effluent	S.C.ROMEOS	Chemical Products	4117	L	5.00	11.58	0.08	0.80	397.1	0.000	2.00	0.40	17.21	11.28	118	0.006	0.002	0.010	0.020	0.289	0.008	0.009	0.000	0.038
30	Teleajen	Sewerage Effluent	Chlea Village		4086	J	6.80	2.83	0.04	1.00	39.08	-	1.20	2.50	5.19	1.92	19	0.000	0.000	0.000	0.000	0.098	0.000	0.000	0.000	0.015
31	Teleajen	Sewerage Effluent	Valeni de Munte town		4506	240	6.82	5.80	0.04	0.60	120.5	-	5.50	4.60	31.84	15.31	18	0.015	0.008	0.006	0.003	0.540	0.002	0.013	0.003	0.032
32	Teleajen	Sewerage Effluent	Manecu Ungureni Villages		4088	J	7.19	32.46	0.60	0.30	42.54	-	8.20	6.20	33.35	21.77	98	0.004	0.010	0.004	0.000	0.102	0.000	0.000	0.002	0.019
33	Teleajen	Sewerage Effluent	Plopieni Town		4578	L	8.40	3.40	2.44	0.50	382.9	-	3.60	3.60	28.35	16.55	185	0.008	0.019	0.288	0.041	0.124	0.005	0.011	0.013	0.051
34	Teleajen	Sewerage Effluent	Boldesti Scaieni town		4517	L	7.60	4.76	0.90	3.30	227	-	4.28	5.60	7.04	3.81	26	0.009	0.008	0.005	0.000	0.214	0.006	0.011	0.013	0.051
35	Teleajen	Sewerage Effluent	Sianc		4127	X	7.50	3.40	0.64	0.80	411.3	-	1.54	2.50	8.14	3.51	18	0.002	0.010	0.032	0.000	0.740	0.006	0.009	0.000	0.020
36	Teleajen	Stock Farm Effluent	F.Vai.F.P.Agr os/Scaieni		4577	L	6.54	83.71	0.28	16.70	486.4	-	42.10	1.00	169	100	338	-	-	-	-	-	-	-	-	
37	Dimbu	Factory Effluent	COCACOLA	Food Products	4311	250	7.80	0.93	0.10	0.70	460.9	-	0.60	4.00	11	7.27	42	-	-	-	-	-	-	-	-	
38	Dimbu	Factory Effluent	S.C.Vega	Petro-chemical	4137	250	6.80	4.63	0.84	6.80	283.6	0.008	3.72	1.40	8	3.55	79	0.000	0.002	0.008	0.003	0.025	0.000	0.011	0.004	0.042
39	Dimbu	Factory Effluent	FEROMAIL	Metal Products	4146	250	6.80	2.47	0.02	8.60	312	-	0.62	2.50	12	5.95	235	0.003	0.000	0.004	0.005	0.097	0.000	0.004	0.000	0.022
40	Dimbu	Factory Effluent	I.N.C.A.F.	Food Products	4143	250	6.20	97.87	0.40	11.80	255.3	-	14.12	7.50	683	353	688	-	-	-	-	-	-	-	-	
41	Dimbu	Factory Effluent	S.C.DACIA S. A./Ploiesti	Metal Works/Repair	4147	250	7.00	0.77	1.04	3.60	184.4	-	1.56	0.90	7.21	4.55	28	0.010	0.012	0.034	0.010	0.770	0.000	0.013	0.020	0.018
42	Dimbu	Factory Effluent	IANUARIE/Ploiesti	Metal Works	4141	250	7.93	1.96	0.64	0.40	106.4	-	0.88	10.20	10.42	6.91	37	0.005	0.008	0.006	0.021	0.134	0.000	0.026	0.011	0.023
43	Dimbu	Factory Effluent	S.C.ASTRA ROMANA	Petro-chemical	4158	250	7.63	6.95	0.14	0.50	212.7	0.072	0.36	6.00	23.14	15.50	26	-	-	-	-	-	-	-	-	
44	Dimbu	Sewerage Effluent	Bacou town		4041	250	7.60	1.75	0.06	0.50	74.75	0.000	9.78	3.40	34.75	21.14	84	0.028	0.014	0.028	0.025	0.374	0.005	0.046	0.010	0.035
45	Dimbu	Sewerage Effluent	Ploiesti city		4162	250	7.70	18.24	0.04	0.60	184.4	-	6.54	8.60	51.22	32.63	138	0.025	0.016	0.052	0.013	1.682	0.006	0.014	0.042	0.049
46	Cricovul Sarat	Sewerage Effluent	Urlet town		4374	280	7.23	45.14	0.36	0.20	106.4	-	14.00	4.30	60.48	40.98	210	0.016	0.014	0.008	0.012	0.443	0.006	0.012	0.005	0.038

Table C.2.8 Water Treatment Efficiency (1/2)
(Factory)

Remarks			Water Quality of Effluent		Efficiency of Treatment		Main Existing Water Treatment System
Water Classification	Sampling Site	Products	BOD (mg/l)	SS (mg/l)	BOD (%)	SS (%)	
Factory Effluent	S.C.BERE S.A /Azuga	S.C.BERE S.A /Azuga	75.35	102	81.0	36.0	Primary Sedimentation Tank,Aeration/Sedimentation Tank
Factory Effluent	I.R.A. Campina	Land Transport	2058	138	59.0	63.0	Neutralization tank,Grease Removal Tank,Sedimentation Tank
Factory Effluent	S.C.PETROB RAZI	Petro-chemical	88.45	173	83.0	41.0	Mechanical Separator,Flocculator,Aeration Tank,Sedimentation Tank
Stock Farm Effluent	F.P.Comporsa /Stancesti		526.65	840	41.0	43.0	
Stock Farm Effluent	F.P.SancaSRL /Gherghita		428.14	1356	8.0	11.0	
Factory Effluent	S.C.STEAU.A ROMANA	Petro-chemical	21.92	34	13.0	86.0	Equalization Tank,Sedimentation Tank,Floatation Tank,Lagoon Pond
Factory Effluent	S.C.GESS.A	Glass Ware	12.41	24	0.0	25.0	
Factory Effluent	S.C.CAIRO.S.A./Boldesti	Paper	41.11	203	77.0	47.0	Primary Sedimentation Tank,Aeration Tank,Secondary Sedimentation Tank
Factory Effluent	S.C.REALS S.A./Pleasa	Refractory Ceramic	2.7	28	78.0	76.0	
Factory Effluent	S.C.MATIZOL S.A./Berceni	Isolation Materials	15.83	120	91.0	13.0	Primary Sedimentation Tank,Aeration Tank,Secondary Sedimentation Tank
Stock Farm Effluent	F.V.si F.P.Agr os/Scaieni		168.89	338	64.0	26.0	
Factory Effluent	COCA COLA Ploiesti	Food Products and	10.82	42	98.0	79.0	Equalization Tank,Aeration Sedimentation tank
Factory Effluent	I.N.C.A.F. Ploiesti	Food Products and	692.73	688	28.0	39.0	Greese Separation Tank,Settler
Factory Effluent	S.C.ASTRA ROMANA/	Petro-chemical					Oilseparator,Flocculator,Sedimentation Tank,First Stage Aeration Tank, Second Stage Aeration Tank, Secondary Sedimentation Tank,Final Sedimentation Tank
			23.39	98	44.0	79.0	

Table C.2.8 Water Treatment Efficiency (2/2)
(Sewerage System)

Remarks			Water Quality of Effluent		Efficiency of Treatment		Main Existing Water Treatment System
Water Classification	Sampling Site		BOD (mg/l)	SS (mg/l)	BOD (%)	SS (%)	
Sewerage Effluent	Predeal town		5.89	29	63.0	67.0	Primary Stabilization Tank,Aeration Tank,Secondary Stabilization Tank
Sewerage Effluent	Sinaia town		16.54	76	29.0	71.0	Primary Sedimentation Tank,Aeration/Sedimentation Tank
Sewerage Effluent	Breaza town		20.06	110	75.0	68.0	Primary Sedimentation Tank,Aeration Tank,Secondary Sedimentation Tank
Sewerage Effluent	Cimpina city		29.43	60	56.0	55.0	Primary Sedimentation Tank,Aeration Tank,Secondary Sedimentation Tank
Sewerage Effluent	Cheia Town		5.19	19	73.0	69.0	
Sewerage Effluent	Maneciu Ungureni Village		38.35	98	0.0	13.0	
Sewerage Effluent	Valenii de Munte town		31.84	18	80.0	91.0	Primary Sedimentation Tank,Aeration Tank,Secondary Sedimentation Tank
Sewerage Effluent	Plopeni Town		28.35	165	11.0	43.0	Primary Sedimentation Tank,Aeration Tank,Secondary Sedimentation Tank
Sewerage Effluent	Boldesti Scaieni town		7.04	26	82.0	46.0	Primary Sedimentation Tank,Aeration/Sedimentation Tank
Sewerage Effluent	Slanic		8.14	18	68.0	62.0	Primary Sedimentation Tank,Aeration Tank,Secondary Sedimentation Tank
Sewerage Effluent	Baicoi town		34.75	84	11.0	42.0	Primary Sedimentation Tank,Aeration Tank,Secondary Sedimentation Tank
Sewerage Effluent	Ploiesti city		51.22	118	33.0	33.0	Sedimentation Tank
Sewerage Effluent	Urlati town		60.48	210	63.0	42.0	Primary Sedimentation Tank,Aeration/Sedimentation Tank

Table C.2.8 Water Treatment Efficiency (1/2)
(Factory)

Remarks			Water Quality of Effluent		Efficiency of Treatment		Main Existing Water Treatment System
Water Classification	Sampling Site	Products	BOD (mg/l)	SS (mg/l)	BOD (%)	SS (%)	
Factory Effluent	S.C.BERE SA Azuga	S.C.BERE SA Azuga	75.35	102	21.0	35.0	Primary Sedimentation Tank Aeration Sedimentation Tank
Factory Effluent	IRA Campina	Land Transport	20.58	138	59.0	63.0	Neutralization tank Gravel Filter Tank Sedimentation Tank
Factory Effluent	S.C.PETROB RAZI	Petro-chemical	88.45	173	53.0	41.0	Water tank Sedimentation Tank Tank Aeration Tank Sedimentation Tank
Stock Farm Effluent	F.P. Compora Stancesti		526.03	830	41.0	11.0	
Stock Farm Effluent	F.P. Sanca SRL Cluj-Napoca		426.14	1356	8.0	11.0	
Factory Effluent	S.C. STEAUA ROMANA	Petro-chemical	21.92	31	13.0	86.0	Equalization Tank Sedimentation Tank Tank Flotation Tank Lagoon Pond
Factory Effluent	S.C. GESSA	Glass Ware	12.41	21	0.0	25.0	
Factory Effluent	S.C. CAHRO. SA Boldesti	Paper	41.11	203	77.0	47.0	Primary Sedimentation Tank Aeration Tank Secondary Sedimentation Tank
Factory Effluent	S.C. REALS SA - Pleasa	Refractory Ceramic	2.7	28	78.0	76.0	
Factory Effluent	S.C. MATIZOI SA Berceci	Isolation Materials	15.83	120	91.0	13.0	Primary Sedimentation Tank Aeration Tank Secondary Sedimentation Tank
Stock Farm Effluent	F.V. si F.P. Agros. Scara		168.89	338	64.0	26.0	
Factory Effluent	COGA COLA Ploesti	Food Products and	10.82	42	98.0	79.0	Equalization Tank Aeration Sedimentation tank
Factory Effluent	INCAI Ploesti	Food Products and	642.73	688	28.0	39.0	Grease Separation Tank Filter
Factory Effluent	S.C. ASTRA ROMANA	Petro-chemical					Oil separator Dissolvent Sedimentation Tank First Stage Aeration Tank Second Stage Aeration Tank Secondary Sedimentation Tank First Sedimentation Tank
			23.39	98	44.0	19.0	

Table C.2.8 Water Treatment Efficiency (2/2)
(Sewerage System)

Remarks			Water Quality of Effluent		Efficiency of Treatment		Main Existing Water Treatment System
Water Classification	Sampling Site		BOD (mg/l)	SS (mg/l)	BOD (%)	SS (%)	
Sewerage Effluent	Predeal town		5.89	29	63.0	67.0	Primary Stabilization Tank Aeration Tank Secondary Stabilization Tank
Sewerage Effluent	Sinaia town		16.54	76	29.0	71.0	Primary Sedimentation Tank Aeration Sedimentation Tank
Sewerage Effluent	Breaza town		20.06	110	75.0	68.0	Primary Sedimentation Tank Aeration Tank Secondary Sedimentation Tank
Sewerage Effluent	Campina city		29.43	60	56.0	55.0	Primary Sedimentation Tank Aeration Tank Secondary Sedimentation Tank
Sewerage Effluent	Obisla Town		5.19	19	73.0	69.0	
Sewerage Effluent	Maneciu Ungureni Village		38.35	98	0.0	13.0	
Sewerage Effluent	Valeni de Munte town		31.84	18	80.0	91.0	Primary Sedimentation Tank Aeration Tank Secondary Sedimentation Tank
Sewerage Effluent	Plopieni Town		28.35	165	11.0	43.0	Primary Sedimentation Tank Secondary Sedimentation Tank
Sewerage Effluent	Boldesti Scaraeni town		7.04	26	82.0	45.0	Primary Sedimentation Tank Aeration Sedimentation Tank
Sewerage Effluent	Slanic		8.14	18	65.0	62.0	Primary Sedimentation Tank Aeration Tank Secondary Sedimentation Tank
Sewerage Effluent	Bacau town		34.75	84	11.0	42.0	Primary Sedimentation Tank Aeration Tank Secondary Sedimentation Tank
Sewerage Effluent	Ploesti city		51.22	118	33.0	33.0	Sedimentation Tank
Sewerage Effluent	Urzati town		60.48	210	63.0	42.0	Primary Sedimentation Tank Aeration Sedimentation Tank

Table C.3.1 Present Pollution Load Runoff from Point Source (1/2)

Channel Code	Source Code	Name of pollution Source	Activity	Municipality Name	Annual Effluent (t/day)	Model Point	Distance to Main River (km)	Crb	Load Runoff (g/sec)
4317A	4317	APEVITA PREDEAL	Water Supply (Indus Predeal		30.61	180	0.00	1.000	0.971
4008A	4008	A.D.P.P. AZUGA	Water Supply (Drinki Azuga		142.70	195	0.00	1.000	4.525
4006A	4006	BERE AZUGA	Food/Beverage	Azuga	15.43	195	0.00	1.000	0.489
4007A	4007	POSTAV AZUGA	Textiles	Azuga	19.05	195	0.00	1.000	0.604
4004B	4004	SINTERREF AZUGA	Non-Metallic Minera	Azuga	0.41	195	0.00	1.000	0.013
4009A	4009	STIAZ AZUGA	Non-Metallic Minera	Azuga	0.70	195	0.00	1.000	0.022
4010A	4010	SPITALUL AZUGA	Health/Social Work	Azuga	4.22	195	0.00	1.000	0.134
4011A	4011	A.D.P.P. BUSTENI	Water Supply (Drinki Busteni		113.54	195	0.00	1.000	3.600
4014A	4014	HARTIA BUSTENI	Paper/Paper Product	Busteni	44.89	195	0.00	1.000	1.423
4012A	4012	SANATORIUL T.B.C. BUSTEN	Public Administration	Busteni	0.75	195	0.00	1.000	0.024
4018A	4018	A.D.P.P.SINAIA	Water Supply (Drinki Sinaia		75.64	A	0.00	1.000	2.398
4016A	4016	CERBUL SINAIA	Hotel/Restaurant	Sinaia	2.50	A	0.00	1.000	0.079
4019A	4019	S.G.ALPIN S.A. COTA 1400	Hotel/Restaurant	Sinaia	3.17	A	0.00	1.000	0.100
4218A	4218	GABANA C.DORULUI	Hotel/Restaurant	Sinaia	0.33	A	0.00	1.000	0.011
4025A	4025	SEPPL PLOIESTI SEC. COMA	Wood	Comarnic (P.	2.52	A	0.00	1.000	0.080
4342A	4342	COMPLEX MUZEAL POSADA	Hotel/Restaurant	Comarnic (P.	1.70	A	0.00	1.000	0.054
4034A	4034	R.A.G.C.L. CAMPINA	Water Distribution	Cimpina	208.71	217	0.00	1.000	6.618
4028A	4028	CIVITAS BREAZA	Water Supply (Drinki Breaza		63.22	200	0.00	1.000	2.005
4591A	4591	SPITAL BREAZA	Health/Social Work	Breaza	2.04	200	0.00	1.000	0.065
4213A	4213	VULTURUL COMARNIC	Non-Metallic Minera	Comarnic	0.17	200	0.00	1.000	0.005
4026A	4026	A.D.P.P. COMARNIC	Water Supply (Drinki Comarnic			200	0.00	1.000	0.000
4375A	4375	PRIMARIA VALEA DOFTANEI	Water Supply (Drinki Valea Doftan			B	0.00	1.000	0.000
4017A	4017	S.E.P.P.L. CIMPINA	Wood	Cimpina	9.51	C	0.00	1.000	0.301
4035A	4035	S.G.STEAUA ROMANA SA	Petroleum Refinery	Cimpina	122.84	C	0.00	1.000	3.895
4017B	4017	S.E.P.P.L. CIMPINA	Wood	Cimpina	0.56	217	0.00	1.000	0.018
4292C	4292	S.G. PETROUTILAJ S.A	Machinery/Equipment	Cimpina	3.69	217	0.00	1.000	0.117
4292A	4292	S.G. PETROUTILAJ S.A	Machinery/Equipment	Cimpina	2.31	217	0.00	1.000	0.073
4033A	4033	S.C. CONCORDIA S.A.	Electrical Machinery	Cimpina	46.98	217	0.00	1.000	1.490
4032A	4032	R.A.G.C.P.CIMPINA	Water Supply (Drinki Cimpina		0.00	217	0.00	1.000	0.000
4598A	4598	U.M.0865 SCOALA DE JAND	Public Administration	Cimpina	0.47	217	0.00	1.000	0.015
4566B	4566	GR.SC.CIMPINA	Education	Cimpina	0.52	217	0.00	1.000	0.017
4593A	4593	SPITAL VOILA	Health/Social Work	Cimpina	9.02	217	0.00	1.000	0.286
4005A	4005	SCOALA AJUTATOARE FILIP	Education	Filipestii de	0.23	217	0.00	1.000	0.007
4003A	4003	SPITALUL FILIP.TG.	Health/Social Work	Filipestii de	1.70	217	0.00	1.000	0.054
4039A	4039	VICTORIA FLORESTI	Petroleum Refinery	Floresti	56.74	217	0.00	1.000	1.799
4301A	4301	S.G.C.L. FLORESTI	Water Supply (Drinki Floresti		18.97	217	0.00	1.000	0.601
4051A	4051	S.C. PETROBRAZI S.A.	Petroleum Refinery	Ploiesti	1462.86	220	0.00	1.000	46.387
4322A	4322	T.C.I. PLOIESTI	Construction	Brazi	0.29	220	0.00	1.000	0.009
4047A	4047	F.E. PLOIESTI	Electricity/Gas/Wat	Brazi (Piscul	139.73	220	0.00	1.000	4.431
4082A	4082	COMPORSA STANDESTI	Livestock Farm	Aricestii Rah	263.54	220	0.00	1.000	8.357
4273A	4273	COPIMEX BRAZI	Livestock Farm	Brazi	55.22	E	15.60	0.854	1.496
4136B	4136	S.C VINALCOOL S.A PRAHO	Food/Beverage	Ploiesti	2.48	250	0.00	1.000	0.078
4141A	4141	24 IANUARIE	Machinery/Equipment	Ploiesti	0.96	250	0.00	1.000	0.030
4139B	4139	EXTRAPAN SEDIU	Food/Beverage	Ploiesti	0.80	250	0.00	1.000	0.025
4149B	4149	PETROTRANS PLOIESTI	Petroleum Refinery	Ploiesti	1.53	250	0.00	1.000	0.049
4138A	4138	PROGRESUL PLOIESTI	Rubber/Plastic Proc	Ploiesti	1.15	250	0.00	1.000	0.036
4147A	4147	DACIA PLOIESTI	Metal Products Fabr	Ploiesti	0.60	250	0.00	1.000	0.019
4160B	4160	UPETROM PLOIESTI	Machinery/Equipment	Ploiesti	15.96	250	0.00	1.000	0.506
4162A	4162	R.A.G.C. PLOIESTI	Water Supply (Drinki Ploiesti		2366.94	250	0.00	1.000	75.055
4140A	4140	SECTIA L6 PLOIESTI	Land Transport	Ploiesti	1.19	250	0.00	1.000	0.038
4041A	4041	S.G.C.L. BAICOI	Water Supply (Drinki Baicoi		100.30	250	0.00	1.000	3.180
4257A	4257	U.M.01532	Public Administration	Paulesti	0.02	250	1.00	0.990	0.001
4585A	4585	U.M. 01958 CIUPERCEASCA	Public Administration	Paulesti	0.24	250	1.00	0.990	0.007

Table C.3.1 Present Pollution Load Runoff from Point Source (2/2)

Channel Code	Source Code	Name of pollution Source	Activity	Municipality Name	Annual	Model Point	Distance	Crb	Load Runoff (g/sec)
					Load Effluent (t/day)		to Main River (km)		
4137A	4137	S.C. VEGA S.A.	Petroleum Refinery	Berceni (Cor	14.94	250	0.00	1.000	0.474
4158A	4158	S.C. ASTRA ROMANA SA	Petroleum Refinery	Berceni (Cor	710.59	250	0.00	1.000	22.533
4535A	4535	STATIA SOL CHEIA	Post/Telecommunic	Maneciu (Ch	0.02	Dam2	0.00	1.000	0.001
4087A	4087	U.M. 01035 CHEIA	Public Administratio	Maneciu (Ch	0.06	Dam2	0.00	1.000	0.002
4166A	4166	MANASTIREA SUZANA	Education	Maneciu (Ch	0.12	Dam2	0.00	1.000	0.004
4270A	4270	S.C. AGROINDUSTRIALA CEF	Livestock Farm	Cerasu	23.52	J	10.20	0.902	0.673
4092A	4092	SPIT. T.B.C. DRAJNA	Health/Social Work	Drajna	1.33	J	0.00	1.000	0.042
4551B	4551	SOCIETATEA COMERCIALA	Construction	Maneciu	0.13	J	0.00	1.000	0.004
4551A	4551	SOCIETATEA COMERCIALA	Construction	Maneciu	0.15	J	0.00	1.000	0.005
4089A	4089	S.E.P.P.L. MANECIU	Wood	Maneciu (Ma	5.62	J	0.00	1.000	0.178
4088A	4088	NERGA MANECIU SECTOR M	Water Supply (Drinki	Maneciu (Ma	11.19	J	0.00	1.000	0.355
4095A	4095	STICLOVAL VALENI	Mining/Quarrying	Valenii de Mi	0.43	240	0.00	1.000	0.014
4211A	4211	U.M. VALENI DE MUNTE-SEC	Machinery/Equipme	Valenii de Mi	2.17	240	0.00	1.000	0.069
4506A	4506	R.A.G.C.L. VALENI	Water Supply (Drinki	Valenii de Mi	20.80	240	0.00	1.000	0.659
4517A	4517	POLIGON P.S.I.BOLDESTI UM	Public Administratio	Boldesti-Scs	0.54	K	0.00	1.000	0.017
4577A	4577	S.C. AGROS SCAIENI	Livestock Farm	Boldesti-Scs	7.12	K	0.00	1.000	0.226
4101A	4101	GES SCAIENI	Wood	Boldesti-Scs	0.83	K	0.00	1.000	0.026
4102A	4102	S.C. CAHIRO S.A.	Paper/Paper Produ	Boldesti-Scs	11.85	K	0.00	1.000	0.376
4022A	4022	S.G.C.L. BOLDESTI	Sewer	Boldesti-Scs	23.18	K	0.00	1.000	0.735
4100B	4100	U.M. PLOPENI	Machinery/Equipme	Plopeni	2.46	K	0.00	1.000	0.078
4578A	4578	S.G.C.L. PLOPENI	Water Supply (Drinki	Plopeni	89.38	K	0.00	1.000	2.834
4532A	4532	SALINA SLANIC	Mining/Quarrying	Slanic	0.13	K	17.20	0.841	0.004
4127A	4127	GOSCOM SLANIC	Water Supply (Drinki	Slanic	3.41	K	14.20	0.866	0.094
4298A	4298	UNIT. TERIT. 440	Public Administratio	Gura Vitioare	0.04	K	4.40	0.957	0.001
4098A	4098	AGROMEÇ MAGURELE	Agricultural Activitie	Magurele	0.06	K	0.00	1.000	0.002
4223A	4223	CONSERVE MAGURELE	Food/Beverage	Magurele	9.36	K	0.00	1.000	0.297
4310A	4310	U.M.01562	Public Administratio	Magurele	0.03	K	0.00	1.000	0.001
4507A	4507	CAMINUL DE BATRINI MISLE	Health/Social Work	Scorteni	1.67	K	10.60	0.898	0.048
4148A	4148	S.C.PETROTEL SA PL.	Petroleum Refinery	Ploiesti	502.11	L	0.00	1.000	15.922
4150A	4150	MATIZOL	Construction	Berceni	11.97	L	0.00	1.000	0.380
4151A	4151	U.M. 01959 BERCENI	Public Administratio	Berceni	0.08	L	0.00	1.000	0.002
4042A	4042	AVICOLA PLOIESTI-Blejoi Fa	Livestock Farm	Blejoi	53.69	L	0.00	1.000	1.702
4209A	4209	PREFABRICATE BLEJOI	Construction	Blejoi	0.67	L	0.00	1.000	0.021
4112A	4112	ARPACOR	Chemicals/Chemica	Bucov	0.96	L	0.00	1.000	0.031
4091A	4091	S.C. CHIMFOREX BUCOV	Petroleum Refinery	Bucov	1.66	L	0.00	1.000	0.053
4103A	4103	SOCERAM BUCOV	Construction	Bucov	1.21	L	0.00	1.000	0.038
4103B	4103	SOCERAM BUCOV	Construction	Bucov	0.14	L	0.00	1.000	0.005
4115A	4115	I.C.V.V.VALEA CALUGAREAS	Food/Beverage	Valea Caluga	0.80	L	0.00	1.000	0.025
4117A	4117	S.C.ROMFOSFOCHIM SA	Chemicals/Chemica	Valea Caluga	102.11	L	2.80	0.972	3.148
4248A	4248	R.A.G.C.L. VALEA CALUGARE	Water Supply (Drinki	Valea Caluga		L	0.00	1.000	0.000
4106A	4106	REAL PLEASA	Basic Metals	Bucov (Plea	4.52	L	0.00	1.000	0.143
4053A	4053	S.C. SERPLO S.A. PLOIESTI	Irrigation (Flower)	Barcanesti (0.41	260	6.40	0.937	0.012
4305B	4305	INDUSTRIE MICA MOARA DE	Mining/Quarrying	Ploiesti	0.00	270	14.20	0.866	0.000
4316A	4316	U.M. 01819	Public Administratio	Targisorul Ve	0.84	270	25.00	0.777	0.021
4568A	4568	U.M.1065	Public Administratio	Brazi (Negoi	0.59	270	20.00	0.817	0.015
4075A	4075	PENITENCIARUL TG.NOU	Public Administratio	Arcestii Rah	0.22	270	33.20	0.715	0.005
4076A	4076	U.M. 01991 TG. NOU	Public Administratio	Arcestii Rah	0.16	270	33.20	0.715	0.004
4374A	4374	S.G.C.L.URLATI	Water Supply (Drinki	Albesti-Pale	16.10	280	0.00	1.000	0.511
4071A	4071	S.C. AGROMEÇ CIORANI S.A.	Agricultural Activitie	Ciorani	0.06	280	0.00	1.000	0.002
4239A	4239	SECTIA EXTERIOARA CIORA	Health/Social Work	Ciorani	0.39	280	0.00	1.000	0.012

Table C.3.2 Present Pollution Load Runoff from Non-point Source of Household (1/3)

Model Point	Name of Municipality	Code	Percent in Model Block	Population of Septic Tank	Unit Load (g/p/d)	Load Generated (t/d)	Cra	Distance to Main River(km)	Crb	Load Runoff (g/sec)
180	Predeal	2211	0.00	0	33.6	0.000	0.2	0.0	1.000	0.000
195	Busteni	2185	100.00	4813	33.6	0.162	0.6	0.0	1.000	1.123
	Azuga	2188	100.00	936	33.6	0.031	0.6	0.0	1.000	0.218
A	Sinaia	2180	100.00	3083	33.6	0.103	0.6	0.0	1.000	0.715
	Busteni	2185	0.24	12	33.6	0.000	0.6	0.0	1.000	0.003
	Comarnic	2190	1.56	212	33.6	0.007	0.6	0.0	1.000	0.049
200	Cornu	2157	100.00	4413	33.6	0.148	0.2	0.0	1.000	0.343
	Breaza	2165	83.57	0	33.6	0.000	0.6	0.0	1.000	0.000
	Comarnic	2190	98.44	13364	33.6	0.449	0.6	0.0	1.000	3.118
	Talea	2196	69.48	875	33.6	0.029	0.2	3.8	0.962	0.066
Dam1	Valea Doftanei	2171	100.00	7051	33.6	0.237	0.2	0.0	1.000	0.548
	Secaria	2184	100.00	1394	33.6	0.047	0.2	4.2	0.958	0.104
B	Sotrile	2156	31.03	1088	33.6	0.037	0.2	1.2	0.988	0.084
	Brebu	2169	17.98	1418	33.6	0.048	0.2	0.0	1.000	0.110
C	Cimpina	2150	49.66	7306	42.0	0.307	0.6	0.0	1.000	2.131
	Telega	2167	17.17	1154	33.6	0.039	0.2	0.0	1.000	0.090
	Brebu	2169	58.51	4613	33.6	0.155	0.2	0.0	1.000	0.359
	Banesti	2173	24.22	1395	33.6	0.047	0.2	0.0	1.000	0.109
217	Cimpina	2150	50.14	7348	42.0	0.309	0.6	0.0	1.000	2.143
	Sotrile	2156	68.31	2394	33.6	0.080	0.2	8.0	0.922	0.172
	Poiana Campina	2158	74.80	3976	33.6	0.134	0.2	0.0	1.000	0.309
	Floresti	2065	36.19	555	33.6	0.019	0.2	0.0	1.000	0.043
	Poiana Campina	2158	25.20	1339	33.6	0.045	0.2	0.0	1.000	0.104
	Magureni	2161	29.92	1998	33.6	0.067	0.2	0.0	1.000	0.155
	Banesti	2173	15.95	919	33.6	0.031	0.2	0.0	1.000	0.071
220	Brazi	2011	5.83	474	33.6	0.016	0.2	0.0	1.000	0.037
	Targoru Vechi	2016	22.16	1830	33.6	0.062	0.2	0.0	1.000	0.142
	Tinosu	2018	22.15	562	33.6	0.019	0.2	0.0	1.000	0.044
	Manesti	2019	8.09	606	33.6	0.020	0.2	1.0	0.990	0.047
	Arcestii Rahtivani	2071	9.11	729	33.6	0.025	0.2	0.0	1.000	0.057
E	Brazi	2011	8.16	664	33.6	0.022	0.2	14.8	0.881	0.044
	Targoru Vechi	2016	12.43	1027	33.6	0.034	0.2	20.2	0.815	0.065
	Sirna	2017	87.73	4912	33.6	0.165	0.2	7.4	0.928	0.355
	Tinosu	2018	77.85	1974	33.6	0.066	0.2	0.0	1.000	0.154
	Manesti	2019	11.03	826	33.6	0.028	0.2	15.8	0.852	0.055
	Poenarii Burchii	2022	29.01	1839	33.6	0.062	0.2	10.0	0.904	0.129
	Rafov	2029	9.22	508	33.6	0.017	0.2	0.0	1.000	0.040
	Puchenii Mari	2033	66.98	6105	33.6	0.205	0.2	6.4	0.937	0.445
	Gorgota	2034	82.99	4678	33.6	0.157	0.2	3.4	0.966	0.352
M	Baicoi	2064	34.85	5389	33.6	0.181	0.6	0.0	1.000	1.257
	Banesti	2173	47.29	2724	33.6	0.092	0.2	0.0	1.000	0.212
	Scorteni	2177	10.14	610	33.6	0.020	0.2	3.2	0.968	0.046
250	Ploiesti	2000	68.10	22755	42.0	0.956	0.6	0.0	1.000	6.637
	Berceni	2028	38.73	2274	33.6	0.076	0.2	0.0	1.000	0.177
	Blejoii	2047	83.23	6320	33.6	0.212	0.2	0.0	1.000	0.492
	Paulesti	2048	100.00	5073	33.6	0.170	0.2	2.0	0.980	0.387
	Baicoi	2064	64.56	9982	33.6	0.335	0.6	0.0	1.000	2.329
	Floresti	2065	6.67	102	33.6	0.003	0.2	8.0	0.922	0.007
	Banesti	2173	12.54	722	33.6	0.024	0.2	9.4	0.909	0.051
Dam2	Maneciu	2104	9.25	795	33.6	0.027	0.2	0.0	1.000	0.062
J	Izvoarele	2102	97.68	6748	33.6	0.227	0.2	0.0	1.000	0.525
	Maneciu	2104	90.75	7798	33.6	0.262	0.2	0.0	1.000	0.607
	Teisani	2107	30.77	1253	33.6	0.042	0.2	1.8	0.982	0.096
	Drajna	2119	100.00	5856	33.6	0.197	0.2	3.8	0.962	0.438
	Cerasu	2122	100.00	5266	33.6	0.177	0.2	10.2	0.902	0.369
	Posesti	2126	38.64	1732	33.6	0.058	0.2	7.8	0.924	0.124
240	Valenii de Munte	2100	87.02	9411	33.6	0.316	0.6	0.0	1.000	2.196
	Teisani	2107	59.16	2409	33.6	0.081	0.2	3.2	0.968	0.181
K	Baicoi	2064	0.59	91	33.6	0.003	0.6	3.8	0.962	0.020
	Plopeni	2079	100.00	2215	33.6	0.074	0.6	2.2	0.978	0.505
	Dumbravesti	2081	100.00	3667	33.6	0.123	0.2	0.0	1.000	0.285
	Valcanesti	2082	100.00	4104	33.6	0.138	0.2	7.4	0.928	0.296
	Cosminele	2083	100.00	1308	33.6	0.044	0.2	12.4	0.882	0.090
	Lipanesti	2088	1.61	78	33.6	0.003	0.2	0.0	1.000	0.006
	Valenii de Munte	2100	12.98	1404	33.6	0.047	0.6	6.2	0.939	0.308
	Slanic	2101	100.00	4982	33.6	0.167	0.6	13.6	0.872	1.013
	Izvoarele	2102	2.32	160	33.6	0.005	0.2	22.6	0.796	0.010

Table C.3.2 Present Pollution Load Runoff from Non-point Source of Household (2/3)

Model Point	Name of Municipality	Code	Percent Population		Unit Load (g/p/d)	Load Generated (t/d)	Distance to Main River(km)			Load Runoff (g/sec)	
			in Model Block	of Septic Tank			Cra	Crb			
K	Teisani	2107	10.07	410	33.6	0.014	0.2	8.8	0.915	0.029	
	Predeal Sarari	2109	20.38	546	33.6	0.018	0.2	5.0	0.951	0.040	
	Gura Vitoarei	2112	100.00	6024	33.6	0.202	0.2	2.8	0.972	0.455	
	Varbilau	2115	100.00	7145	33.6	0.240	0.2	8.4	0.919	0.511	
	Stefesti	2116	100.00	2510	33.6	0.084	0.2	19.4	0.822	0.160	
	Alunis	2117	100.00	3917	33.6	0.132	0.2	16.2	0.849	0.259	
	Magurele	2129	68.42	3301	33.6	0.111	0.2	0.0	1.000	0.257	
	Gornet	2130	0.38	12	33.6	0.000	0.2	2.0	0.980	0.001	
	Telega	2167	82.83	5566	33.6	0.187	0.2	18.2	0.832	0.360	
	Brebu	2169	23.51	1854	33.6	0.062	0.2	22.6	0.796	0.115	
	Scorteni	2177	89.86	5405	33.6	0.182	0.2	10.2	0.902	0.379	
	Coacorastii Mislui	2179	100.00	3650	33.6	0.123	0.2	2.4	0.976	0.277	
	Boldesti-Scaileni	2085	1.72	136	33.6	0.005	0.6	1.0	0.990	0.031	
	Bertea	2117B	100.00	3491	33.6	0.117	0.2	19.4	0.822	0.223	
L	Ploiesti	2000	1.64	548	42.0	0.023	0.6	1.0	0.990	0.158	
	Berceni	2028	61.27	3597	33.6	0.121	0.2	0.0	1.000	0.280	
	Bucov	2038	100.00	10282	33.6	0.345	0.2	5.2	0.949	0.759	
	Popu	2039	100.00	2219	33.6	0.075	0.2	11.8	0.888	0.153	
	Valea Calugareasca	2040	55.48	5911	33.6	0.189	0.2	2.0	0.980	0.451	
	Bleji	2047	16.77	1274	33.6	0.043	0.2	0.0	1.000	0.099	
	Lipanesti	2088	98.39	4797	33.6	0.161	0.2	25.0	0.777	0.290	
	Magurele	2129	31.58	1523	33.6	0.051	0.2	26.0	0.769	0.091	
	Boldesti-Scaileni	2085	98.28	7787	33.6	0.262	0.6	23.0	0.793	1.440	
	260	Ploiesti	2000	24.54	8200	42.0	0.344	0.6	13.6	0.872	2.085
Barcanesti		2026	4.75	434	33.6	0.015	0.2	4.4	0.957	0.032	
Rafov		2029	37.22	2052	33.6	0.069	0.2	0.0	1.000	0.160	
Dumbrava		2056	25.00	1041	33.6	0.035	0.2	2.0	0.980	0.079	
270		Ploiesti	2000	5.73	1915	42.0	0.080	0.6	13.4	0.873	0.488
	Brazi	2011	86.01	6995	33.6	0.235	0.2	17.4	0.839	0.456	
	Targoru Vechi	2016	65.41	5403	33.6	0.182	0.2	25.0	0.777	0.326	
	Barcanesti	2026	95.25	8700	33.6	0.292	0.2	13.0	0.877	0.593	
	Rafov	2029	53.57	2954	33.6	0.099	0.2	0.0	1.000	0.230	
	Puchenii Mari	2033	33.02	3010	33.6	0.101	0.2	7.0	0.932	0.218	
	Draganesti	2055	19.13	969	33.6	0.033	0.2	0.0	1.000	0.075	
	Dumbrava	2056	23.13	963	33.6	0.032	0.2	7.0	0.932	0.070	
	Gherghita	2059	17.41	690	33.6	0.023	0.2	0.0	1.000	0.054	
	Arcestii Rahtivani	2071	90.89	7278	33.6	0.245	0.2	31.8	0.725	0.411	
275	Tataru	2144	9.18	121	33.6	0.004	0.2	3.0	0.970	0.009	
	Singeru	2146	100.00	5444	33.6	0.183	0.2	0.0	1.000	0.423	
	Lapos	2148	90.70	1416	33.6	0.048	0.2	0.0	1.000	0.110	
	Salcia	2149	88.81	1199	33.6	0.040	0.2	3.4	0.966	0.090	
	Cislau	5191	0.00	0	33.6	0.000	0.2	1.6	0.984	0.000	
O	Arcestii Zeletin	2140B	100.00	1474	33.6	0.050	0.2	16.8	0.844	0.097	
	Predeal Sarari	2109	79.62	2135	33.6	0.072	0.2	15.8	0.852	0.142	
	Gornet	2130	99.62	3242	33.6	0.109	0.2	14.6	0.863	0.218	
	Baltesti	2131	100.00	3547	33.6	0.119	0.2	11.2	0.893	0.246	
	Podenii Noi	2133	100.00	4787	33.6	0.161	0.2	4.0	0.960	0.358	
	Pacureti	2135	100.00	2278	33.6	0.077	0.2	7.2	0.930	0.165	
	Soimari	2137	100.00	3159	33.6	0.106	0.2	13.0	0.877	0.215	
	Carbunesti	2139	100.00	1964	33.6	0.066	0.2	18.2	0.832	0.127	
	Surani	2140	100.00	1879	33.6	0.063	0.2	13.4	0.873	0.128	
	Apostolache	2141	100.00	2429	33.6	0.082	0.2	1.5	0.985	0.186	
	Chioideanca	2142	100.00	1919	33.6	0.064	0.2	3.0	0.970	0.145	
	Gornet Cricov	2143	100.00	2760	33.6	0.093	0.2	0.0	1.000	0.215	
	Tataru	2144	56.52	743	33.6	0.025	0.2	3.2	0.968	0.056	
	Salcia	2149	11.19	151	33.6	0.005	0.2	6.4	0.937	0.011	
	Iordacheanu	2041B	100.00	5175	33.6	0.174	0.2	0.0	1.000	0.403	
	Urati	2041C	11.31	780	33.6	0.026	0.6	0.0	1.000	0.182	
	280	Valea Calugareasca	2040	11.55	1231	33.6	0.041	0.2	1.0	0.990	0.095
		Albesti-Paleologu	2041	100.00	5960	33.6	0.200	0.2	0.0	1.000	0.464
Ciorani		2053	93.84	6762	33.6	0.227	0.2	0.0	1.000	0.526	
Draganesti		2055	2.73	138	33.6	0.005	0.2	0.0	1.000	0.011	
Urati		2041C	73.73	5082	33.6	0.171	0.6	0.0	1.000	1.186	
H	Gorgota	2034	11.14	628	33.6	0.021	0.2	15.6	0.854	0.042	
	Balta Doamnei	2036	40.71	1107	33.6	0.037	0.2	6.4	0.937	0.081	
	Valea Calugareasca	2040	32.98	3514	33.6	0.118	0.2	18.2	0.832	0.227	
	Draganesti	2055	78.14	3958	33.6	0.133	0.2	2.0	0.980	0.302	

Table C.3.2 Present Pollution Load Runoff from Non-point Source of Household (3/3)

Model Point	Name of Municipality	Code	Percent in Model Block	Population of Septic Tank	Unit Load (g/p/d)	Load Generated (t/d)	Distance to Main River(km)		Load Runoff (g/sec)	
							Cra	Crb		
H	Dumbrava	2056	51.87	2159	33.6	0.073	0.2	4.4	0.957	0.161
	Gherghita	2059	82.59	3274	33.6	0.110	0.2	3.0	0.970	0.247
	Adincata	8216	11.49	0	33.6	0.000	0.2	1.0	0.990	0.000
	Brazii	8218	4.72	0	33.6	0.000	0.2	0.0	1.000	0.000
	Nuci	8219	0.40	0	33.6	0.000	0.2	3.0	0.970	0.000

Table C.3.3 Present Pollution Load Runoff from Non-point Source of Livestock (1/6)

Model Point	Code	Name of Municipality	Livestock	No. of Livestock	Load Generated (t/d)	Distance to Main River (km)	Crb	Load Runoff (g/sec)
230	2104	Maneciu	Cattle	277	0.177	0.0	1.000	0.205
	2104	Maneciu	Pig	374	0.075	0.0	1.000	0.097
205	2171	Valea Doftanei	Cattle	244	0.156	0.0	1.000	0.181
	2171	Valea Doftanei	Pig	138	0.028	0.0	1.000	0.032
190	2171	Valea Doftanei	Cattle	9	0.006	3.8	0.962	0.007
	2171	Valea Doftanei	Pig	5	0.001	3.8	0.962	0.001
	2188	Azuga	Cattle	77	0.049	0.0	1.000	0.057
	2188	Azuga	Pig	113	0.023	0.0	1.000	0.026
195	2180	Sinaia	Cattle	2	0.001	1.2	0.988	0.002
	2180	Sinaia	Pig	6	0.001	1.2	0.988	0.001
	2185	Busteni	Cattle	180	0.115	0.0	1.000	0.134
	2185	Busteni	Pig	223	0.045	0.0	1.000	0.052
	2188	Azuga	Cattle	26	0.016	0.0	1.000	0.019
	2188	Azuga	Pig	38	0.008	0.0	1.000	0.009
A	2180	Sinaia	Cattle	90	0.058	0.0	1.000	0.067
	2180	Sinaia	Pig	243	0.049	0.0	1.000	0.056
	2185	Busteni	Cattle	9	0.006	0.0	1.000	0.007
	2185	Busteni	Pig	11	0.002	0.0	1.000	0.003
	2190	Comarnic	Cattle	395	0.253	0.0	1.000	0.292
	2190	Comarnic	Pig	192	0.038	0.0	1.000	0.044
	2194	Secaria	Cattle	14	0.009	5.8	0.943	0.010
	2194	Secaria	Pig	3	0.001	5.8	0.943	0.001
200	2157	Cornu	Cattle	213	0.136	0.0	1.000	0.157
	2157	Cornu	Pig	251	0.050	0.0	1.000	0.058
	2165	Breaza	Cattle	654	0.419	0.0	1.000	0.485
	2165	Breaza	Pig	449	0.090	0.0	1.000	0.104
	2190	Comarnic	Cattle	867	0.555	0.0	1.000	0.642
	2190	Comarnic	Pig	422	0.084	0.0	1.000	0.098
	2194	Secaria	Cattle	23	0.015	3.8	0.962	0.016
	2194	Secaria	Pig	4	0.001	3.8	0.962	0.001
	2196	Talea	Cattle	280	0.179	3.8	0.962	0.200
	2196	Talea	Pig	92	0.018	3.8	0.962	0.021
Dam	2117B	Bertea	Cattle	35	0.022	6.0	0.941	0.024
	2117B	Bertea	Pig	35	0.007	6.0	0.941	0.008
	2171	Valea Doftanei	Cattle	1881	1.204	0.0	1.000	1.393
	2171	Valea Doftanei	Pig	1062	0.212	0.0	1.000	0.246
	2190	Comarnic	Cattle	17	0.011	4.8	0.953	0.012
	2190	Comarnic	Pig	8	0.002	4.8	0.953	0.002
	2194	Secaria	Cattle	1021	0.653	0.0	1.000	0.756
	2194	Secaria	Pig	193	0.039	0.0	1.000	0.045
B	2156	Sotriile	Cattle	235	0.150	0.0	1.000	0.174
	2156	Sotriile	Pig	10	0.002	0.0	1.000	0.002
	2169	Brebu	Cattle	488	0.312	0.0	1.000	0.361
	2169	Brebu	Pig	221	0.044	0.0	1.000	0.051
C	2083	Cosminele	Cattle	6	0.004	7.4	0.928	0.004
	2083	Cosminele	Pig	3	0.001	7.4	0.928	0.001
	2150	Cimpina	Cattle	142	0.091	0.0	1.000	0.105
	2150	Cimpina	Pig	304	0.061	0.0	1.000	0.070
	2167	Telega	Cattle	78	0.050	0.0	1.000	0.058
	2167	Telega	Pig	121	0.024	0.0	1.000	0.028
	2169	Brebu	Cattle	558	0.357	0.0	1.000	0.413
	2169	Brebu	Pig	253	0.051	0.0	1.000	0.058
	2173	Banesti	Cattle	133	0.085	0.0	1.000	0.099
	2173	Banesti	Pig	155	0.031	0.0	1.000	0.036
217	2065	Floresti	Cattle	74	0.048	0.0	1.000	0.055
	2065	Floresti	Pig	220	0.044	0.0	1.000	0.051
	2067	Filipestii de Padure	Cattle	12	0.008	0.0	1.000	0.009
	2067	Filipestii de Padure	Pig	21	0.004	0.0	1.000	0.005
	2071	Arcestii Rahtivani	Cattle	18	0.011	1.2	0.988	0.013
	2071	Arcestii Rahtivani	Pig	25	0.005	1.2	0.988	0.006
	2150	Cimpina	Cattle	216	0.138	0.0	1.000	0.160
	2150	Cimpina	Pig	461	0.092	0.0	1.000	0.107
	2156	Sotriile	Cattle	261	0.167	5.2	0.949	0.184
	2156	Sotriile	Pig	11	0.002	5.2	0.949	0.002
	2158	Poiana Campina	Cattle	82	0.053	0.0	1.000	0.061
	2158	Poiana Campina	Cattle	181	0.116	0.0	1.000	0.134
	2158	Poiana Campina	Pig	184	0.037	0.0	1.000	0.043

Table C.3.3 Present Pollution Load Runoff from Non-point Source of Livestock (2/6)

Model Point	Code	Name of Municipality	Livestock	No. of Livestock	Load Generated (t/d)	Distance to Main River (km)	Crb	Load Runoff (g/sec)
217	2158	Poiana Campina	Pig	405	0.081	0.0	1.000	0.094
	2161	Magureni	Cattle	228	0.146	0.0	1.000	0.169
	2161	Magureni	Pig	183	0.037	0.0	1.000	0.042
	2164	Provita de Sus	Cattle	26	0.017	1.4	0.986	0.019
	2164	Provita de Sus	Cattle	10	0.007	1.4	0.986	0.007
	2164	Provita de Sus	Pig	8	0.002	1.4	0.986	0.002
	2164	Provita de Sus	Pig	3	0.001	1.4	0.986	0.001
	2173	Banesti	Cattle	116	0.074	0.0	1.000	0.086
	2173	Banesti	Pig	136	0.027	0.0	1.000	0.031
	220	2011	Brazi	Cattle	72	0.046	0.0	1.000
2011		Brazi	Pig	48	0.009	0.0	1.000	0.011
2016		Targoru Vechi	Cattle	325	0.208	0.0	1.000	0.241
2016		Targoru Vechi	Pig	5852	1.170	0.0	1.000	1.355
2017		Sirna	Cattle	34	0.022	0.0	1.000	0.026
2017		Sirna	Pig	40	0.008	0.0	1.000	0.009
2018		Tinosu	Cattle	90	0.057	0.0	1.000	0.067
2018		Tinosu	Pig	196	0.039	0.0	1.000	0.045
2019		Manesti	Cattle	699	0.447	0.0	1.000	0.518
2019		Manesti	Pig	527	0.105	0.0	1.000	0.122
2067		Filipestii de Padure	Cattle	33	0.021	0.0	1.000	0.025
2067		Filipestii de Padure	Pig	57	0.011	0.0	1.000	0.013
2071		Aricesatii Rahtivani	Cattle	76	0.048	0.0	1.000	0.056
2071		Aricesatii Rahtivani	Pig	106	0.021	0.0	1.000	0.024
E		2011	Brazi	Cattle	136	0.087	14.8	0.861
	2011	Brazi	Pig	86	0.017	14.8	0.861	0.017
	2016	Targoru Vechi	Cattle	168	0.108	20.2	0.815	0.102
	2016	Targoru Vechi	Pig	3025	0.605	20.2	0.815	0.571
	2017	Sirna	Cattle	783	0.501	7.4	0.928	0.538
	2017	Sirna	Pig	908	0.182	7.4	0.928	0.195
	2018	Tinosu	Cattle	324	0.207	0.0	1.000	0.240
	2018	Tinosu	Pig	706	0.141	0.0	1.000	0.163
	2019	Manesti	Cattle	171	0.110	8.0	0.922	0.117
	2019	Manesti	Pig	129	0.026	8.0	0.922	0.028
	2022	Poenarii Burchii	Cattle	353	0.226	5.4	0.947	0.247
	2022	Poenarii Burchii	Pig	383	0.077	5.4	0.947	0.084
	2029	Rafov	Cattle	45	0.029	0.0	1.000	0.033
	2029	Rafov	Pig	43	0.009	0.0	1.000	0.010
	2033	Puchenii Mari	Cattle	402	0.257	0.0	1.000	0.298
	2033	Puchenii Mari	Pig	548	0.110	0.0	1.000	0.127
	2034	Gorgota	Cattle	688	0.441	0.0	1.000	0.510
	2034	Gorgota	Pig	3405	0.681	0.0	1.000	0.788
	2036	Balta Doamnei	Cattle	70	0.044	0.0	1.000	0.051
	2036	Balta Doamnei	Pig	110	0.022	0.0	1.000	0.025
2059	Gherghita	Cattle	85	0.055	0.0	1.000	0.063	
2059	Gherghita	Pig	112	0.022	0.0	1.000	0.028	
M	2064	Baicoi	Cattle	250	0.160	0.0	1.000	0.185
	2064	Baicoi	Pig	263	0.053	0.0	1.000	0.061
	2167	Telega	Cattle	21	0.013	0.5	0.995	0.016
	2167	Telega	Pig	32	0.006	0.5	0.995	0.007
	2173	Banesti	Cattle	219	0.140	0.0	1.000	0.162
	2173	Banesti	Pig	255	0.051	0.0	1.000	0.059
	2177	Scorteni	Cattle	71	0.045	1.6	0.984	0.052
	2177	Scorteni	Pig	73	0.015	1.6	0.984	0.017
250	2000	Ploiesti	Cattle	565	0.361	0.0	1.000	0.418
	2000	Ploiesti	Pig	3195	0.639	0.0	1.000	0.740
	2028	Berceni	Cattle	341	0.218	0.0	1.000	0.253
	2028	Berceni	Pig	1701	0.340	0.0	1.000	0.394
	2029	Rafov	Cattle	79	0.050	0.0	1.000	0.058
	2029	Rafov	Pig	77	0.015	0.0	1.000	0.018
	2047	Blejoi	Cattle	400	0.256	0.0	1.000	0.297
	2047	Blejoi	Pig	551	0.110	0.0	1.000	0.128
	2048	Paulesti	Cattle	379	0.242	0.0	1.000	0.281
	2048	Paulesti	Pig	239	0.048	0.0	1.000	0.055
	2064	Baicoi	Cattle	389	0.249	0.0	1.000	0.288
	2064	Baicoi	Pig	408	0.082	0.0	1.000	0.095
	2065	Floresti	Cattle	122	0.078	4.0	0.960	0.087
	2065	Floresti	Pig	361	0.072	4.0	0.960	0.080

Table C.3.3 Present Pollution Load Runoff from Non-point Source of Livestock (3/6)

Model Point	Code	Name of Municipality	Livestock	No. of Livestock	Load Generated (t/d)	Distance to Main River (km)	Crb	Load Runoff (g/sec)	
250	2071	Arcestii Rahtivani	Cattle	24	0.015	3.8	0.962	0.017	
	2071	Arcestii Rahtivani	Pig	34	0.007	3.8	0.962	0.008	
	2161	Magureni	Cattle	27	0.017	9.4	0.909	0.018	
	2161	Magureni	Pig	22	0.004	9.4	0.909	0.005	
	2173	Banesti	Cattle	120	0.077	9.4	0.909	0.081	
	2173	Banesti	Pig	140	0.028	9.4	0.909	0.030	
Dam2	2104	Maneciu	Cattle	861	0.551	0.0	1.000	0.638	
	2104	Maneciu	Pig	1163	0.233	0.0	1.000	0.269	
	2122	Cerasu	Cattle	355	0.227	7.6	0.926	0.243	
	2122	Cerasu	Pig	445	0.089	7.6	0.926	0.095	
J	2100	Valenii de Munte	Cattle	20	0.013	0.0	1.000	0.015	
	2100	Valenii de Munte	Pig	51	0.010	0.0	1.000	0.012	
	2102	Izvoarele	Cattle	771	0.494	0.0	1.000	0.571	
	2102	Izvoarele	Pig	1197	0.239	0.0	1.000	0.277	
	2104	Maneciu	Cattle	204	0.131	0.0	1.000	0.151	
	2104	Maneciu	Pig	275	0.055	0.0	1.000	0.064	
	2107	Teisani	Cattle	305	0.195	0.0	1.000	0.226	
	2107	Teisani	Pig	520	0.104	0.0	1.000	0.120	
	2116	Stefesti	Cattle	10	0.006	10.4	0.900	0.006	
	2116	Stefesti	Pig	6	0.001	10.4	0.900	0.001	
	2119	Drajna	Cattle	1370	0.877	0.0	1.000	1.015	
	2119	Drajna	Pig	1111	0.222	0.0	1.000	0.257	
	2122	Cerasu	Cattle	342	0.219	10.2	0.902	0.228	
	2122	Cerasu	Pig	429	0.086	10.2	0.902	0.090	
	2126	Posesti	Cattle	347	0.222	7.8	0.924	0.238	
	2126	Posesti	Pig	212	0.042	7.8	0.924	0.045	
	2128	Starchiojd	Cattle	23	0.015	13.8	0.870	0.015	
	2128	Starchiojd	Pig	28	0.006	13.8	0.870	0.006	
	240	2100	Valenii de Munte	Cattle	312	0.200	0.0	1.000	0.231
		2100	Valenii de Munte	Pig	802	0.160	0.0	1.000	0.186
2107		Teisani	Cattle	272	0.174	0.0	1.000	0.201	
2107		Teisani	Pig	463	0.093	0.0	1.000	0.107	
2112		Gura Vitoarei	Cattle	44	0.028	0.0	1.000	0.033	
2112		Gura Vitoarei	Pig	51	0.010	0.0	1.000	0.012	
K	2047	Blejoj	Cattle	16	0.010	0.0	1.000	0.012	
	2047	Blejoj	Pig	22	0.004	0.0	1.000	0.005	
	2048	Paulesti	Cattle	67	0.043	0.0	1.000	0.050	
	2048	Paulesti	Pig	43	0.009	0.0	1.000	0.010	
	2064	Baicci	Cattle	110	0.071	3.8	0.962	0.079	
	2064	Baicci	Pig	116	0.023	3.8	0.962	0.026	
	2079	Plopeni	Cattle	28	0.018	0.0	1.000	0.021	
	2079	Plopeni	Pig	380	0.076	0.0	1.000	0.088	
	2081	Dumbravesti	Cattle	279	0.179	0.0	1.000	0.207	
	2081	Dumbravesti	Pig	104	0.021	0.0	1.000	0.024	
	2082	Valcanesti	Cattle	469	0.300	3.8	0.962	0.334	
	2082	Valcanesti	Pig	798	0.160	3.8	0.962	0.178	
	2083	Cosminele	Cattle	454	0.290	12.4	0.882	0.296	
	2083	Cosminele	Pig	217	0.043	12.4	0.882	0.044	
	2088	Lipanesti	Cattle	81	0.052	0.0	1.000	0.060	
	2088	Lipanesti	Pig	236	0.047	0.0	1.000	0.055	
	2100	Valenii de Munte	Cattle	118	0.075	6.2	0.939	0.082	
	2100	Valenii de Munte	Pig	302	0.060	6.2	0.939	0.066	
	2101	Slanic	Cattle	632	0.404	13.6	0.872	0.408	
	2101	Slanic	Pig	934	0.187	13.6	0.872	0.188	
	2102	Izvoarele	Cattle	41	0.026	22.6	0.796	0.024	
	2102	Izvoarele	Pig	63	0.013	22.6	0.796	0.012	
	2107	Teisani	Cattle	301	0.193	8.8	0.915	0.204	
	2107	Teisani	Pig	514	0.103	8.8	0.915	0.109	
	2109	Predeal Sarari	Cattle	89	0.057	3.8	0.962	0.063	
	2109	Predeal Sarari	Pig	131	0.026	3.8	0.962	0.029	
	2112	Gura Vitoarei	Cattle	606	0.388	0.0	1.000	0.449	
	2112	Gura Vitoarei	Pig	698	0.140	0.0	1.000	0.162	
	2115	Varbilau	Cattle	694	0.444	4.0	0.960	0.493	
	2115	Varbilau	Pig	599	0.120	4.0	0.960	0.133	
	2116	Stefesti	Cattle	520	0.333	16.2	0.849	0.327	
	2116	Stefesti	Pig	318	0.064	16.2	0.849	0.062	
	2117	Alunis	Cattle	449	0.287	16.2	0.849	0.282	

Table C.3.3 Present Pollution Load Runoff from Non-point Source of Livestock (4/6)

Model Point	Code	Name of Municipality	Livestock	No. of Livestock	Load Generated (t/d)	Distance to Main River (km)	Crb	Load Runoff (g/sec)
K	2117	Alunis	Pig	638	0.127	18.2	0.849	0.125
	2117B	Bertea	Cattle	654	0.419	19.4	0.822	0.398
	2117B	Bertea	Pig	659	0.132	19.4	0.822	0.125
	2129	Magurele	Cattle	133	0.085	0.0	1.000	0.099
	2129	Magurele	Pig	565	0.113	0.0	1.000	0.131
	2130	Gornet	Cattle	18	0.011	2.0	0.980	0.013
	2130	Gornet	Pig	68	0.014	2.0	0.980	0.016
	2167	Telega	Cattle	457	0.293	15.8	0.852	0.289
	2167	Telega	Pig	705	0.141	15.8	0.852	0.139
	2169	Brebu	Cattle	100	0.064	22.6	0.796	0.059
	2169	Brebu	Pig	46	0.009	22.6	0.796	0.008
	2173	Banesti	Cattle	10	0.007	18.4	0.830	0.006
	2173	Banesti	Pig	12	0.002	18.4	0.830	0.002
	2177	Scorteni	Cattle	599	0.383	8.6	0.917	0.407
	2177	Scorteni	Pig	620	0.124	8.6	0.917	0.132
	2179	Cocorastii Mislii	Cattle	339	0.217	2.4	0.976	0.245
	2179	Cocorastii Mislii	Pig	493	0.099	2.4	0.976	0.111
	2085	Boldesti-Scaieni	Cattle	97	0.062	0.0	1.000	0.072
	2085	Boldesti-Scaieni	Pig	114	0.023	0.0	1.000	0.026
	L	2000	Ploiesti	Cattle	198	0.127	0.0	1.000
2000		Ploiesti	Pig	1120	0.224	0.0	1.000	0.259
2028		Berceni	Cattle	253	0.162	0.0	1.000	0.188
2028		Berceni	Pig	1264	0.253	0.0	1.000	0.293
2029		Rafov	Cattle	32	0.020	0.0	1.000	0.023
2029		Rafov	Pig	31	0.006	0.0	1.000	0.007
2038		Bucov	Cattle	905	0.579	2.0	0.980	0.657
2038		Bucov	Pig	12101	2.420	2.0	0.980	2.745
2039		Plopu	Cattle	446	0.285	9.0	0.913	0.302
2039		Plopu	Pig	279	0.056	9.0	0.913	0.059
2040		Valea Calugareasca	Cattle	449	0.287	0.0	1.000	0.333
2040		Valea Calugareasca	Pig	428	0.086	0.0	1.000	0.099
2041B		Iordacheanu	Cattle	52	0.034	14.0	0.868	0.034
2041B		Iordacheanu	Pig	70	0.014	14.0	0.868	0.014
2041C		Urlati	Cattle	14	0.009	17.0	0.842	0.009
2041C		Urlati	Pig	21	0.004	17.0	0.842	0.004
2047		Blejoii	Cattle	128	0.082	0.0	1.000	0.095
2047		Blejoii	Pig	177	0.035	0.0	1.000	0.041
2088		Lipanesti	Cattle	239	0.153	21.6	0.804	0.142
2088		Lipanesti	Pig	695	0.139	21.6	0.804	0.129
2129		Magurele	Cattle	98	0.063	22.6	0.796	0.058
2129		Magurele	Pig	415	0.083	22.6	0.796	0.076
2131		Baltesti	Cattle	176	0.113	16.4	0.847	0.110
2131		Baltesti	Pig	185	0.037	16.4	0.847	0.036
2133		Podenii Noi	Cattle	15	0.010	18.6	0.829	0.009
2133		Podenii Noi	Pig	36	0.007	18.6	0.829	0.007
2085		Boldesti-Scaieni	Cattle	534	0.342	18.6	0.829	0.328
2085		Boldesti-Scaieni	Pig	631	0.126	18.6	0.829	0.121
260	2000	Ploiesti	Cattle	233	0.149	9.0	0.913	0.158
	2000	Ploiesti	Pig	1318	0.264	9.0	0.913	0.279
	2026	Barcanesti	Cattle	120	0.077	4.4	0.957	0.085
	2026	Barcanesti	Pig	360	0.072	4.4	0.957	0.080
	2028	Berceni	Cattle	64	0.041	8.4	0.919	0.044
	2028	Berceni	Pig	320	0.064	8.4	0.919	0.068
	2029	Rafov	Cattle	410	0.263	0.0	1.000	0.304
	2029	Rafov	Pig	400	0.080	0.0	1.000	0.092
	2047	Blejoii	Cattle	63	0.040	16.4	0.847	0.040
	2047	Blejoii	Pig	87	0.017	16.4	0.847	0.017
	2048	Paulesti	Cattle	20	0.013	17.8	0.835	0.012
	2048	Paulesti	Pig	12	0.002	17.8	0.835	0.002
	2056	Dumbrava	Cattle	105	0.067	0.0	1.000	0.078
	2056	Dumbrava	Pig	264	0.053	0.0	1.000	0.061
270	2000	Ploiesti	Cattle	417	0.267	11.4	0.891	0.275
	2000	Ploiesti	Pig	2358	0.472	11.4	0.891	0.486
	2011	Brazi	Cattle	802	0.514	15.4	0.856	0.509
	2011	Brazi	Pig	507	0.101	15.4	0.856	0.100
	2016	Targoru Vechi	Cattle	992	0.635	23.0	0.793	0.592
	2016	Targoru Vechi	Pig	17842	3.568	23.0	0.793	3.274

Table C.3.3 Present Pollution Load Runoff from Non-point Source of Livestock (5/6)

Model Point	Code	Name of Municipality	Livestock	No. of Livestock	Load Generated (t/d)	Distance to Main River (km)	Crb	Load Runoff (g/sec)	
270	2026	Barcanesti	Cattle	1174	0.751	11.0	0.895	0.778	
	2026	Barcanesti	Pig	3515	0.703	11.0	0.895	0.728	
	2029	Rafov	Cattle	806	0.516	0.0	1.000	0.597	
	2029	Rafov	Pig	785	0.157	0.0	1.000	0.182	
	2033	Puchenii Mari	Cattle	559	0.358	4.0	0.960	0.398	
	2033	Puchenii Mari	Pig	761	0.152	4.0	0.960	0.169	
	2048	Paulesti	Cattle	11	0.007	38.6	0.677	0.006	
	2048	Paulesti	Pig	7	0.001	38.6	0.677	0.001	
	2055	Draganesti	Cattle	83	0.053	0.0	1.000	0.062	
	2055	Draganesti	Pig	77	0.015	0.0	1.000	0.018	
	2056	Dumbrava	Cattle	189	0.121	7.0	0.932	0.130	
	2056	Dumbrava	Pig	476	0.095	7.0	0.932	0.103	
	2059	Gherghita	Cattle	302	0.193	0.0	1.000	0.224	
	2059	Gherghita	Pig	398	0.080	0.0	1.000	0.092	
	2065	Floresti	Cattle	31	0.020	40.2	0.666	0.015	
	2065	Floresti	Pig	91	0.018	40.2	0.666	0.014	
	2071	Aricestii Rahtivani	Cattle	686	0.439	27.8	0.755	0.384	
	2071	Aricestii Rahtivani	Pig	959	0.192	27.8	0.755	0.168	
	275	2144	Tataru	Cattle	39	0.025	0.0	1.000	0.029
		2144	Tataru	Pig	99	0.020	0.0	1.000	0.023
2146		Singeru	Cattle	535	0.343	0.0	1.000	0.396	
2146		Singeru	Pig	517	0.103	0.0	1.000	0.120	
2148		Lapos	Cattle	416	0.266	0.0	1.000	0.308	
2148		Lapos	Pig	304	0.061	0.0	1.000	0.070	
2149		Salcia	Cattle	265	0.169	3.4	0.966	0.190	
2149		Salcia	Pig	323	0.065	3.4	0.966	0.072	
5028		Galugareni	Cattle	26	0.017	3.4	0.966	0.019	
5028		Galugareni	Pig	11	0.002	3.4	0.966	0.003	
5029		Jugureni	Cattle	10	0.007	3.0	0.970	0.008	
5029		Jugureni	Pig	17	0.003	3.0	0.970	0.004	
0		2041B	Iordacheanu	Cattle	470	0.301	0.0	1.000	0.348
		2041B	Iordacheanu	Pig	625	0.125	0.0	1.000	0.145
	2041C	Urlati	Cattle	57	0.037	0.0	1.000	0.042	
	2041C	Urlati	Pig	87	0.017	0.0	1.000	0.020	
	2071	Aricestii Rahtivani	Cattle	214	0.137	0.0	1.000	0.158	
	2071	Aricestii Rahtivani	Pig	299	0.060	0.0	1.000	0.069	
	2109	Predeal Sarari	Cattle	521	0.333	13.8	0.870	0.336	
	2109	Predeal Sarari	Pig	766	0.153	13.8	0.870	0.154	
	2119	Drajna	Cattle	103	0.066	18.8	0.827	0.063	
	2119	Drajna	Pig	83	0.017	18.8	0.827	0.016	
	2126	Posesti	Cattle	37	0.023	21.8	0.802	0.022	
	2126	Posesti	Pig	22	0.004	21.8	0.802	0.004	
	2129	Magurele	Cattle	110	0.071	13.4	0.873	0.071	
	2129	Magurele	Pig	467	0.093	13.4	0.873	0.094	
	2130	Gornet	Cattle	229	0.146	11.6	0.889	0.151	
	2130	Gornet	Pig	886	0.177	11.6	0.889	0.182	
	2131	Baltesti	Cattle	378	0.242	8.2	0.921	0.258	
	2131	Baltesti	Pig	398	0.080	8.2	0.921	0.085	
	2133	Podenii Noi	Cattle	444	0.284	1.0	0.990	0.325	
	2133	Podenii Noi	Pig	1040	0.208	1.0	0.990	0.238	
	2135	Pacureti	Cattle	354	0.227	7.2	0.930	0.244	
	2135	Pacureti	Pig	524	0.105	7.2	0.930	0.113	
	2137	Soimari	Cattle	580	0.371	10.0	0.904	0.388	
	2137	Soimari	Pig	1275	0.255	10.0	0.904	0.267	
	2139	Carbunesti	Cattle	287	0.183	18.2	0.832	0.177	
	2139	Carbunesti	Pig	189	0.038	18.2	0.832	0.036	
	2140	Surani	Cattle	301	0.193	13.4	0.873	0.195	
	2140	Surani	Pig	309	0.062	13.4	0.873	0.063	
	2141	Apostolache	Cattle	225	0.144	0.0	1.000	0.166	
	2141	Apostolache	Pig	413	0.083	0.0	1.000	0.096	
2142	Chiojdeanca	Cattle	492	0.315	1.5	0.985	0.359		
2142	Chiojdeanca	Pig	403	0.081	1.5	0.985	0.092		
2143	Gornet Cricov	Cattle	367	0.235	0.0	1.000	0.272		
2143	Gornet Cricov	Pig	328	0.066	0.0	1.000	0.076		
2144	Tataru	Cattle	47	0.030	3.2	0.968	0.034		
2144	Tataru	Pig	119	0.024	3.2	0.968	0.027		
2146	Singeru	Cattle	27	0.018	0.0	1.000	0.020		

Table C.3.3 Present Pollution Load Runoff from Non-point Source of Livestock (6/6)

Model Point	Code	Name of Municipality	Livestock	No. of Livestock	Load Generated (t/d)	Distance to Main River (km)	Crb	Load Runoff (g/sec)
O	2146	Singeru	Pig	26	0.005	0.0	1.000	0.006
	2149	Salcia	Cattle	21	0.014	6.4	0.937	0.015
	2149	Salcia	Pig	26	0.005	6.4	0.937	0.006
280	2040	Valea Calugareasca	Cattle	218	0.140	1.0	0.990	0.160
	2040	Valea Calugareasca	Pig	208	0.042	1.0	0.990	0.048
	2041	Albesti-Paleologu	Cattle	1068	0.684	0.0	1.000	0.791
	2041	Albesti-Paleologu	Pig	708	0.142	0.0	1.000	0.164
	2041C	UrIati	Cattle	273	0.175	0.0	1.000	0.203
	2041C	UrIati	Pig	417	0.083	0.0	1.000	0.097
	2053	Ciorani	Cattle	351	0.225	0.0	1.000	0.260
	2053	Ciorani	Pig	380	0.076	0.0	1.000	0.088
	2055	Draganesti	Cattle	216	0.138	0.0	1.000	0.160
	2055	Draganesti	Pig	200	0.040	0.0	1.000	0.046
	2056	Dumbrava	Cattle	49	0.031	0.0	1.000	0.036
	2056	Dumbrava	Pig	123	0.025	0.0	1.000	0.029
	5038	Colceag	Cattle	8	0.005	1.4	0.986	0.006
	5038	Colceag	Pig	9	0.002	1.4	0.986	0.002
	5040	Tomsani	Cattle	64	0.041	2.2	0.978	0.046
	5040	Tomsani	Pig	22	0.004	2.2	0.978	0.005
	H	2029	Rafov	Cattle	24	0.016	7.0	0.932
2029		Rafov	Pig	24	0.005	7.0	0.932	0.005
2034		Gorgota	Cattle	54	0.035	15.6	0.854	0.034
2034		Gorgota	Pig	269	0.054	15.6	0.854	0.053
2036		Balta Doamnei	Cattle	280	0.179	6.4	0.937	0.195
2036		Balta Doamnei	Pig	443	0.089	6.4	0.937	0.096
2040		Valea Calugareasca	Cattle	610	0.390	13.2	0.875	0.395
2040		Valea Calugareasca	Pig	581	0.116	13.2	0.875	0.118
2041		Albesti-Paleologu	Cattle	205	0.131	14.0	0.868	0.132
2041		Albesti-Paleologu	Pig	136	0.027	14.0	0.868	0.027
2053		Ciorani	Cattle	642	0.411	0.0	1.000	0.475
2053		Ciorani	Pig	695	0.139	0.0	1.000	0.161
2055		Draganesti	Cattle	865	0.554	0.0	1.000	0.641
2055		Draganesti	Pig	802	0.160	0.0	1.000	0.186
2056		Dumbrava	Cattle	829	0.531	3.4	0.966	0.593
2056		Dumbrava	Pig	2088	0.418	3.4	0.966	0.467
2059		Gherghita	Cattle	1061	0.679	0.0	1.000	0.786
2059		Gherghita	Pig	1396	0.279	0.0	1.000	0.323

Table C.3.4 Present Pollution Load Runoff from Non-point Source of Land (1/2)

Model Point	LandUse	Unit Load		Generated		Distance to Main River(km)			Load Runoff (g/sec)
		(g/ha/d)	Area (ha)	Load (t/d)	Cra	Crb	Crc		
190	PastureLand	85.75	2040	0.175	0.2	0.00	1.000	0.405	
	Forest	7.5	6349	0.048	0.2	0.00	1.000	0.110	
230	PastureLand	85.75	1137	0.097	0.2	0.00	1.000	0.226	
	Forest	7.5	3772	0.028	0.2	0.00	1.000	0.065	
205	PastureLand	85.75	354	0.030	0.2	0.00	1.000	0.070	
	Forest	7.5	2876	0.022	0.2	0.00	1.000	0.050	
180	Forest	7.5	1672	0.013	0.2	0.00	1.000	0.029	
	PastureLand	85.75	124	0.011	0.2	0.00	1.000	0.025	
195	Orchard	85.75	15	0.001	0.2	0.61	0.994	0.003	
	Forest	7.5	7849	0.059	0.2	0.61	0.994	0.135	
	FallowLand	7.5	1	0.000	0.2	0.61	0.994	0.000	
	PastureLand	85.75	2571	0.220	0.2	0.61	0.994	0.507	
A	FallowLand	7.5	6	0.000	0.2	0.57	0.994	0.000	
	Forest	7.5	8934	0.067	0.2	0.57	0.994	0.154	
	Orchard	85.75	25	0.002	0.2	0.57	0.994	0.005	
	PastureLand	85.75	3434	0.294	0.2	0.57	0.994	0.678	
200	FallowLand	7.5	53	0.000	0.2	0.42	0.996	0.001	
	Forest	7.5	7604	0.057	0.2	0.42	0.996	0.131	
	AgriculturalLand	85.75	100	0.009	0.2	0.42	0.996	0.020	
	PastureLand	85.75	2308	0.198	0.2	0.42	0.996	0.456	
	UrbanArea	670	67	0.045	0.2	0.42	0.996	0.103	
	Orchard	85.75	1091	0.094	0.2	0.42	0.996	0.216	
Dam1	UrbanArea	670	36	0.024	0.6	0.07	0.999	0.167	
	FallowLand	7.5	35	0.000	0.2	0.07	0.999	0.001	
	Forest	7.5	22541	0.169	0.2	0.07	0.999	0.391	
	PastureLand	85.75	7243	0.621	0.2	0.07	0.999	1.437	
	Orchard	85.75	42	0.004	0.2	0.07	0.999	0.008	
	AgriculturalLand	85.75	7	0.001	0.2	0.07	0.999	0.001	
B	AgriculturalLand	85.75	15	0.001	0.2	0.00	1.000	0.003	
	Orchard	85.75	36	0.003	0.2	0.00	1.000	0.007	
	Forest	7.5	2048	0.015	0.2	0.00	1.000	0.036	
	PastureLand	85.75	1173	0.101	0.2	0.00	1.000	0.233	
	FallowLand	7.5	8	0.000	0.2	0.00	1.000	0.000	
C	AgriculturalLand	85.75	13	0.001	0.2	0.00	1.000	0.003	
	Forest	7.5	2637	0.020	0.2	0.00	1.000	0.046	
	FallowLand	7.5	15	0.000	0.2	0.00	1.000	0.000	
	UrbanArea	670	179	0.120	0.6	0.00	1.000	0.833	
	Orchard	85.75	332	0.028	0.2	0.00	1.000	0.066	
	PastureLand	85.75	1670	0.143	0.2	0.00	1.000	0.331	
217	Orchard	85.75	683	0.059	0.2	1.20	0.988	0.134	
	AgriculturalLand	85.75	1090	0.093	0.2	1.20	0.988	0.214	
	UrbanArea	670	380	0.255	0.6	1.20	0.988	1.747	
	FallowLand	7.5	897	0.007	0.2	1.20	0.988	0.015	
	PastureLand	85.75	989	0.085	0.2	1.20	0.988	0.194	
	Forest	7.5	3553	0.027	0.2	1.20	0.988	0.061	
220	AgriculturalLand	85.75	2164	0.186	0.2	0.00	1.000	0.430	
	FallowLand	7.5	1656	0.012	0.2	0.00	1.000	0.029	
	Forest	7.5	759	0.006	0.2	0.00	1.000	0.013	
	PastureLand	85.75	333	0.029	0.2	0.00	1.000	0.066	
	UrbanArea	670	20	0.013	0.6	0.00	1.000	0.093	
E	Forest	7.5	2780	0.021	0.2	4.43	0.956	0.048	
	FallowLand	7.5	3309	0.025	0.2	4.43	0.956	0.055	
	PastureLand	85.75	1401	0.120	0.2	4.43	0.956	0.266	
	AgriculturalLand	85.75	7515	0.644	0.2	4.43	0.956	1.426	
M	AgriculturalLand	85.75	461	0.040	0.2	0.22	0.998	0.091	
	PastureLand	85.75	531	0.046	0.2	0.22	0.998	0.105	
	UrbanArea	670	86	0.058	0.6	0.22	0.998	0.399	
	Orchard	85.75	627	0.054	0.2	0.22	0.998	0.124	
	FallowLand	7.5	804	0.006	0.2	0.22	0.998	0.014	
	Forest	7.5	1021	0.008	0.2	0.22	0.998	0.018	
250	Orchard	85.75	965	0.083	0.2	0.72	0.993	0.190	
	AgriculturalLand	85.75	7614	0.653	0.2	0.72	0.993	1.500	
	PastureLand	85.75	1031	0.088	0.2	0.72	0.993	0.203	
	FallowLand	7.5	3382	0.025	0.2	0.72	0.993	0.058	
	Forest	7.5	1043	0.008	0.2	0.72	0.993	0.018	
	UrbanArea	670	1104	0.740	0.6	0.72	0.993	5.099	
Dam2	AgriculturalLand	85.75	1	0.000	0.2	7.60	0.926	0.000	

Table C.3.4 Present Pollution Load Runoff from Non-point Source of Land (2/2)

Model Point	LandUse	Unit Load		Generated Load (t/d)	Distance to Main River(km)		Load Runoff (g/sec)	
		(g/ha/d)	Area (ha)		Cra	Crb		
Dam2	Orchard	85.75	64	0.005	0.2	7.60	0.926	0.012
	PastureLand	85.75	2879	0.247	0.2	7.60	0.926	0.529
	Forest	7.5	16230	0.122	0.2	7.60	0.926	0.261
J	PastureLand	85.75	7305	0.626	0.2	2.43	0.976	1.415
	Forest	7.5	14050	0.105	0.2	2.43	0.976	0.238
	Orchard	85.75	640	0.055	0.2	2.43	0.976	0.124
	FallowLand	7.5	165	0.001	0.2	2.43	0.976	0.003
240	AgriculturalLand	85.75	175	0.015	0.2	2.43	0.976	0.034
	FallowLand	7.5	49	0.000	0.2	0.00	1.000	0.001
	UrbanArea	670	62	0.033	0.6	0.00	1.000	0.228
	AgriculturalLand	85.75	43	0.004	0.2	0.00	1.000	0.009
	Forest	7.5	1053	0.008	0.2	0.00	1.000	0.018
	Orchard	85.75	68	0.006	0.2	0.00	1.000	0.013
K	PastureLand	85.75	1254	0.108	0.2	0.00	1.000	0.249
	UrbanArea	670	100	0.067	0.6	9.22	0.911	0.424
	FallowLand	7.5	1589	0.012	0.2	9.22	0.911	0.025
	AgriculturalLand	85.75	1275	0.109	0.2	9.22	0.911	0.231
	PastureLand	85.75	11912	1.021	0.2	9.22	0.911	2.154
	Forest	7.5	30884	0.232	0.2	9.22	0.911	0.488
L	Orchard	85.75	2152	0.185	0.2	9.22	0.911	0.389
	PastureLand	85.75	3856	0.331	0.2	8.70	0.916	0.701
	Forest	7.5	6739	0.051	0.2	8.70	0.916	0.107
	Orchard	85.75	3039	0.261	0.2	8.70	0.916	0.552
	FallowLand	7.5	2784	0.021	0.2	8.70	0.916	0.044
	AgriculturalLand	85.75	3983	0.342	0.2	8.70	0.916	0.724
260	UrbanArea	670	219	0.147	0.6	8.70	0.916	0.933
	AgriculturalLand	85.75	2241	0.192	0.2	5.28	0.948	0.422
	Forest	7.5	344	0.003	0.2	5.28	0.948	0.006
	FallowLand	7.5	563	0.004	0.2	5.28	0.948	0.009
	PastureLand	85.75	114	0.010	0.2	5.28	0.948	0.021
	UrbanArea	670	571	0.383	0.6	5.28	0.948	2.519
270	AgriculturalLand	85.75	17161	1.472	0.2	15.04	0.859	2.928
	UrbanArea	670	722	0.484	0.6	15.04	0.859	2.886
	Forest	7.5	2718	0.020	0.2	15.04	0.859	0.041
	PastureLand	85.75	1146	0.098	0.2	15.04	0.859	0.195
	FallowLand	7.5	5576	0.042	0.2	15.04	0.859	0.083
275	UrbanArea	670	3	0.002	0.6	1.03	0.990	0.014
	PastureLand	85.75	943	0.081	0.2	1.03	0.990	0.185
	Orchard	85.75	854	0.073	0.2	1.03	0.990	0.168
	Forest	7.5	9469	0.071	0.2	1.03	0.990	0.163
	FallowLand	7.5	13	0.000	0.2	1.03	0.990	0.000
	AgriculturalLand	85.75	3	0.000	0.2	1.03	0.990	0.001
O	UrbanArea	670	25	0.017	0.6	5.67	0.944	0.110
	Forest	7.5	22125	0.166	0.2	5.67	0.944	0.363
	FallowLand	7.5	933	0.007	0.2	5.67	0.944	0.015
	Orchard	85.75	3485	0.299	0.2	5.67	0.944	0.653
	PastureLand	85.75	9627	0.826	0.2	5.67	0.944	1.805
	AgriculturalLand	85.75	846	0.073	0.2	5.67	0.944	0.159
280	UrbanArea	670	60	0.040	0.6	0.14	0.999	0.279
	AgriculturalLand	85.75	5921	0.508	0.2	0.14	0.999	1.174
	FallowLand	7.5	1397	0.010	0.2	0.14	0.999	0.024
	Orchard	85.75	1935	0.166	0.2	0.14	0.999	0.384
	PastureLand	85.75	1269	0.109	0.2	0.14	0.999	0.252
	Forest	7.5	707	0.005	0.2	0.14	0.999	0.012
H	FallowLand	7.5	4836	0.036	0.2	2.76	0.973	0.082
	AgriculturalLand	85.75	17506	1.501	0.2	2.76	0.973	3.379
	Orchard	85.75	639	0.055	0.2	2.76	0.973	0.123
	UrbanArea	670	30	0.020	0.6	2.76	0.973	0.136
	PastureLand	85.75	1159	0.099	0.2	2.76	0.973	0.224
	Forest	7.5	2533	0.019	0.2	2.76	0.973	0.043

Table C.4.1 Existing and Future Probable River Flow Rates

(Unit: m³/s)

Model Point	Existing Flow Rate										Flow Rate in 2015				
	50 % (182nd Day)	75 % (274th Day)	95 % (347th Day)	95 % (NTPA-001)	50 % (182nd Day)	75 % (274th Day)	95 % (347th Day)	95 % (NTPA-001) w/Dam Release	95 % (347th Day)	95 % (NTPA-001)	95 % (NTPA-001) w/Dam Release				
190	1.316	0.766	0.399	0.154	1.316	0.766	0.399	0.154	0.399	0.154	0.154				
195	2.911	1.678	0.572	0.229	2.863	1.630	0.525	0.182	0.525	0.182	0.182				
A	4.669	2.768	1.216	0.498	4.653	2.752	1.201	0.482	1.201	0.482	0.482				
200	5.262	3.646	2.547	1.535	5.346	3.729	2.630	1.619	2.630	1.619	1.619				
Dam1	2.611	2.378	2.139	2.275	2.611	2.378	2.139	2.275	2.516	2.275	2.659				
B	0.679	0.364	0.072	0.149	0.353	0.038	-0.254	0.206	0.123	-0.178	0.206				
C	0.827	0.390	0.007	0.000	0.443	0.006	-0.377	0.000	0.000	-0.384	0.000				
217	7.105	4.654	2.910	1.686	6.540	4.088	2.344	1.504	2.721	1.120	1.504				
220	7.282	5.416	4.261	3.320	7.504	5.638	4.483	3.926	4.860	3.542	3.926				
E	8.177	6.009	4.656	3.492	8.437	6.269	4.916	4.137	5.293	3.753	4.137				
M	0.097	0.059	0.042	0.027	0.102	0.064	0.047	0.032	0.047	0.032	0.032				
250	2.203	2.000	1.910	1.833	2.913	2.709	2.620	2.542	2.620	2.542	2.542				
Dam2	3.338	2.359	1.846	1.406	3.338	2.359	1.846	1.406	2.354	1.406	2.365				
J	2.193	1.186	0.660	0.209	1.025	0.018	-0.508	0.000	0.000	-0.959	0.000				
240	2.278	1.242	0.704	0.242	1.151	0.114	-0.423	0.084	0.084	-0.886	0.073				
K	3.835	2.234	1.446	0.770	2.951	1.351	0.563	0.845	1.071	-0.114	0.845				
L	4.731	3.382	2.612	0.957	4.325	2.976	2.206	1.510	2.713	0.551	1.510				
260	6.984	5.382	4.522	2.790	7.287	5.735	4.875	4.102	5.383	3.143	4.102				
270	16.033	12.706	10.636	6.575	16.702	13.375	11.305	8.586	12.189	7.243	8.586				
275	0.161	0.106	0.066	0.020	0.173	0.118	0.078	0.033	0.078	0.033	0.033				
O	0.688	0.454	0.282	0.088	0.751	0.516	0.345	0.150	0.345	0.150	0.150				
280	0.849	0.560	0.348	0.108	0.963	0.674	0.463	0.223	0.463	0.223	0.223				
H	18.455	14.305	11.674	7.376	19.257	15.107	12.476	8.178	13.361	8.178	9.521				

Table C.4.2 Pollution Load in 2015 Under 10 mg/L Permissible Limit

(a) Load Generated and/or Effluent

(Unit : t/day)

Type	Prahova Main	Dimbu	Teleajen	Cricovul Sarat	Total
Sewerage	0.547 (1.28%)	1.658 (17.47%)	0.172 (0.58%)	0.026 (0.20%)	2.403 (2.54%)
Industry	1.678 (3.98%)	0.395 (4.16%)	0.501 (1.70%)	0.000 (0.00%)	2.574 (2.73%)
Livestock Farm	0.008 (0.02%)	0.000 (0.00%)	0.005 (0.02%)	0.000 (0.00%)	0.013 (0.01%)
Point Source Sub-total	2.233 (5.23%)	2.052 (21.63%)	0.678 (2.30%)	0.026 (0.21%)	4.989 (5.28%)
Non-point Source 1. (Septic/latrine)	5.662 (13.27%)	2.237 (23.57%)	5.628 (19.11%)	2.387 (18.61%)	15.914 (16.85%)
Non-point Source 2 (Livestock)	26.750 (62.69%)	3.395 (35.77%)	18.324 (62.20%)	7.958 (62.06%)	5.426 (59.75%)
Non-point Source 3 (Land)	8.023 (18.80%)	1.807 (19.04%)	4.829 (16.39%)	2.453 (19.12%)	17.112 (18.12%)
Total	42.668	9.491	29.458	12.824	94.441

(b) Load Runoff

(Unit : t/day)

Type	Prahova Main	Dimbu	Teleajen	Cricovul Sarat	Total
Sewerage	0.547 (6.61%)	1.658 (39.97%)	0.170 (3.35%)	0.026 (1.42%)	2.401 (12.41%)
Industry	1.676 (20.24%)	0.395 (9.51%)	0.501 (9.83%)	0.000 (0.01%)	2.571 (13.29%)
Livestock Farm	0.007 (0.09%)	0.000 (0.00%)	0.005 (0.09%)	0.000 (0.01%)	0.012 (0.06%)
Point Source Subtotal	2.231 (26.94%)	2.052 (49.48%)	0.676 (13.27%)	0.026 (1.44%)	4.985 (25.77%)
Non-point Source 1. (Septic/latrine)	1.690 (20.41%)	1.082 (26.09%)	1.522 (29.88%)	0.542 (29.65%)	4.835 (24.99%)
Non-point Source 2 (Livestock)	2.496 (30.15%)	0.338 (8.14%)	1.752 (34.40%)	0.761 (41.68%)	5.347 (27.64%)
Non-point Source 3 (Land)	1.864 (22.51%)	0.676 (16.29%)	1.144 (22.46%)	0.498 (27.23%)	4.180 (21.61%)
Total	8.280	4.148	5.093	1.827	19.348

Table C.4.3 Pollution Load in 2015 under 5 mg/L Permissible Limit

(a) Load Generated and/or Effluent

(Unit : t/day)

Type	Prahova Main	Dimbu	Teleajen	Cricovul Sarat	Total
Sewerage	0.273 (0.66%)	0.829 (9.79%)	0.086 (0.30%)	0.013 (0.10%)	1.201 (1.31%)
Industry	0.840 (2.02%)	0.201 (2.38%)	0.251 (0.86%)	0.000 (0.00%)	1.292 (1.40%)
Livestock Farm	0.004 (0.01%)	0.000 (0.00%)	0.002 (0.01%)	0.000 (0.00%)	0.006 (0.01%)
Point Source Sub-total	1.117 (2.69%)	1.030 (12.16%)	0.339 (1.16%)	0.013 (0.10%)	2.499 (2.72%)
Non-point Source 1. (Septic/latrine)	5.662 (13.63%)	2.237 (26.41%)	5.628 (19.33%)	2.387 (18.63%)	15.914 (17.31%)
Non-point Source 2 (Livestock)	26.750 (64.38%)	3.395 (40.08%)	18.324 (62.92%)	7.958 (62.12%)	5.426 (61.37%)
Non-point Source 3 (Land)	8.023 (19.31%)	1.807 (21.34%)	4.829 (16.58%)	2.453 (19.14%)	17.112 (18.61%)
Total	41.552	8.469	29.120	12.811	91.951

(b) Load Runoff

(Unit : t/day)

Type	Prahova Main	Dimbu	Teleajen	Cricovul Sarat	Total
Sewerage	0.273 (3.82%)	0.829 (26.52%)	0.085 (1.79%)	0.013 (0.72%)	1.201 (7.12%)
Industry	0.839 (11.70%)	0.201 (6.44%)	0.251 (5.27%)	0.000 (0.01%)	1.290 (7.65%)
Livestock Farm	0.004 (0.05%)	0.000 (0.00%)	0.002 (0.05%)	0.000 (0.00%)	0.006 (0.04%)
Point Source Subtotal	1.116 (15.57%)	1.030 (32.96%)	0.338 (7.11%)	0.013 (0.73%)	2.497 (14.81%)
Non-point Source 1. (Septic/latrine)	1.690 (23.59%)	1.082 (34.62%)	1.522 (32.00%)	0.542 (29.86%)	4.835 (28.68%)
Non-point Source 2 (Livestock)	2.496 (34.84%)	0.338 (10.80%)	1.752 (36.84%)	0.761 (41.98%)	5.347 (31.71%)
Non-point Source 3 (Land)	1.864 (26.01%)	0.676 (21.62%)	1.144 (24.05%)	0.498 (27.43%)	4.180 (24.79%)
Total	7.166	3.125	4.755	1.814	16.860

Table C.4.4 Pollution Load in 2005 Baseline

(a) Load Generated and/or Effluent

(Unit: t/day)

Type	Prahova			Cricovul	
	Main	Dimbu	Teleajen	Sarat	Total
Sewerage	2.374 (4.58)	8.579 (44.88)	0.541 (1.71)	0.073 (0.57)	11.566 (10.03)
Industry	8.383 (16.19)	3.211 (16.80)	2.399 (7.58)	0.002 (0.01)	13.994 (12.14)
Livestock Farm	0.873 (1.69)	0.000 (0.00)	0.232 (0.73)	0.000 (0.00)	1.106 (0.96)
Point Source	11.630	11.789	3.172	0.074	26.666
Sub-total	(22.46)	(61.68)	(10.02)	(0.58)	(23.13)
Non-point Source 1 (Septic/latrine)	5.373 (10.38)	2.123 (11.11)	5.342 (16.87)	2.265 (17.77)	15.103 (13.10)
Non-point Source 2 (Livestock)	26.750 (51.66)	3.395 (17.76)	18.324 (57.86)	7.958 (62.42)	56.426 (48.94)
Non-point Source 3 (Land)	8.023 (15.50)	1.807 (9.45)	4.829 (15.25)	2.453 (19.23)	17.112 (14.84)
Total	51.776	19.114	31.666	12.751	115.307

(b) Load Runoff

(Unit: t/day)

Type	Prahova			Cricovul	
	Main	Dimbu	Teleajen	Sarat	Total
Sewerage	2.374 (13.51)	8.579 (62.03)	0.538 (7.17)	0.073 (3.93)	11.564 (28.38)
Industry	8.381 (47.70)	3.211 (23.22)	2.398 (31.97)	0.002 (0.09)	13.992 (34.34)
Livestock Farm	0.851 (4.85)	0.000 (0.00)	0.226 (3.01)	0.000 (0.01)	1.077 (2.64)
Point Source	11.606	11.789	3.163	0.074	26.633
Sub-total	(66.06)	(85.25)	(42.16)	(4.03)	(65.36)
Non-point Source 1 (Septic/latrine)	1.604 (9.13)	1.027 (7.42)	1.444 (19.25)	0.514 (27.83)	4.589 (11.26)
Non-point Source 2 (Livestock)	2.496 (14.21)	0.338 (2.44)	1.752 (23.35)	0.761 (41.21)	5.347 (13.12)
Non-point Source 3 (Land)	1.864 (10.61)	0.676 (4.89)	1.144 (15.24)	0.498 (26.93)	4.180 (10.26)
Total	17.570	13.830	7.502	1.848	40.749

Note: Figures in parentheses indicate percentage of load to total load.

Table C.4.5 Pollution Load in 2005 with Project

(a) Load Generated and/or Effluent

(Unit: t/day)

Type	Prahova			Cricovul	
	Main	Dimbu	Teleajen	Sarat	Total
Sewerage	2.177 (4.74)	5.164 (39.44)	0.365 (1.22)	0.068 (0.53)	7.774 (7.64)
Industry	2.742 (5.97)	0.604 (4.61)	0.826 (2.76)	0.002 (0.01)	4.173 (4.10)
Livestock Farm	0.873 (1.90)	0.000 (0.00)	0.232 (0.78)	0.000 (0.00)	1.106 (1.09)
Point Source	5.792	5.768	1.424	0.070	13.053
Sub-total	(12.61)	(44.05)	(4.76)	(0.55)	(12.84)
Non-point Source 1 (Septic/latrine)	5.373 (11.70)	2.123 (16.22)	5.342 (17.85)	2.265 (17.77)	15.103 (14.85)
Non-point Source 2 (Livestock)	26.750 (58.23)	3.395 (25.93)	18.324 (61.25)	7.958 (62.44)	56.426 (55.49)
Non-point Source 3 (Land)	8.023 (15.50)	1.807 (9.45)	4.829 (15.25)	2.453 (19.23)	17.112 (14.84)
Total	45.938	13.092	29.918	12.746	101.694

(b) Load Runoff

(Unit: t/day)

Type	Prahova			Cricovul	
	Main	Dimbu	Teleajen	Sarat	Total
Sewerage	2.177 (18.56)	5.164 (66.14)	0.363 (6.30)	0.068 (3.69)	7.771 (28.64)
Industry	2.740 (23.35)	0.604 (7.73)	0.825 (14.35)	0.002 (0.09)	4.171 (15.37)
Livestock Farm	0.851 (7.26)	0.000 (0.00)	0.226 (3.93)	0.000 (0.01)	1.077 (3.97)
Point Source	5.768	5.768	1.414	0.070	13.020
Sub-total	(49.17)	(73.87)	(24.58)	(3.79)	(47.98)
Non-point Source 1 (Septic/latrine)	1.604 (13.67)	1.027 (13.15)	1.444 (25.10)	0.514 (27.90)	4.589 (16.91)
Non-point Source 2 (Livestock)	2.496 (21.28)	0.338 (4.32)	1.752 (30.45)	0.761 (41.32)	5.347 (19.70)
Non-point Source 3 (Land)	1.864 (15.88)	0.676 (8.65)	1.144 (19.88)	0.498 (27.00)	4.180 (15.41)
Total	11.732	7.808	5.753	1.843	27.136

Note: Figures in parentheses indicate percentage of load to total load.

Table C.4.6 Pollution Load in 2010 Baseline

(a) Load Generated and/or Effluent

(Unit: t/day)

Type	Prahova			Cricovul	
	Main	Dimbu	Teleajen	Sarat	Total
Sewerage	3.103 (5.57)	10.692 (47.66)	0.684 (2.09)	0.097 (0.76)	14.576 (11.78)
Industry	11.407 (20.49)	4.364 (19.45)	3.260 (9.94)	0.002 (0.02)	19.032 (15.38)
Livestock Farm	0.873 (1.57)	0.000 (0.00)	0.232 (0.71)	0.000 (0.00)	1.106 (0.89)
Point Source Sub-total	15.383 (27.63)	11.776 (67.11)	3.175 (12.73)	0.074 (0.77)	26.666 (28.05)
Non-point Source 1 (Septic/latrine)	5.510 (9.90)	2.177 (9.70)	5.477 (16.70)	2.323 (18.10)	15.486 (12.52)
Non-point Source 2 (Livestock)	26.750 (48.05)	3.395 (15.13)	18.324 (55.85)	7.958 (62.01)	56.426 (45.60)
Non-point Source 3 (Land)	8.023 (14.41)	1.807 (8.06)	4.829 (14.72)	2.453 (19.11)	17.112 (13.83)
Total	55.666	22.434	32.806	12.833	123.738

(b) Load Runoff

(Unit: t/day)

Type	Prahova			Cricovul	
	Main	Dimbu	Teleajen	Sarat	Total
Sewerage	3.103 (14.55)	10.692 (62.54)	0.681 (8.01)	0.097 (5.14)	14.573 (29.85)
Industry	11.404 (53.46)	4.364 (25.52)	3.258 (38.31)	0.002 (0.12)	19.029 (38.98)
Livestock Farm	0.851 (3.99)	0.000 (0.00)	0.226 (2.66)	0.000 (0.01)	1.077 (2.21)
Point Source Sub-total	15.359 (72.00)	15.055 (88.07)	4.165 (48.98)	0.099 (5.27)	34.679 (71.04)
Non-point Source 1 (Septic/latrine)	1.613 (7.56)	1.027 (6.01)	1.444 (16.98)	0.527 (27.96)	4.611 (9.45)
Non-point Source 2 (Livestock)	2.496 (11.70)	0.338 (1.97)	1.752 (20.60)	0.761 (40.38)	5.347 (10.95)
Non-point Source 3 (Land)	1.864 (8.74)	0.676 (3.95)	1.144 (13.45)	0.498 (26.39)	4.180 (8.56)
Total	21.331	17.095	8.505	1.886	48.818

Note: Figures in parentheses indicate percentage of load to total load.

Table C.4.7 Pollution Load in 2010 with Project

(a) Load Generated and/or Effluent

(Unit: t/day)

Type	Prahova			Cricovul	
	Main	Dimbu	Teleajen	Sarat	Total
Sewerage	1.541 (3.42)	4.411 (35.26)	0.470 (1.56)	0.090 (0.70)	6.512 (6.48)
Industry	3.195 (7.09)	0.720 (5.76)	0.985 (3.27)	0.002 (0.01)	4.903 (4.88)
Livestock Farm	0.078 (0.17)	0.000 (0.00)	0.036 (0.12)	0.000 (0.00)	0.113 (0.11)
Point Source	4.814	5.131	1.491	0.092	11.528
Sub-total	(10.67)	(41.02)	(4.95)	(0.72)	(11.46)
Non-point Source 1 (Septic/latrine)	5.510 (12.22)	2.177 (17.40)	5.477 (18.18)	2.323 (18.11)	15.486 (15.40)
Non-point Source 2 (Livestock)	26.750 (59.32)	3.395 (27.14)	18.324 (60.83)	7.958 (62.05)	56.426 (56.12)
Non-point Source 3 (Land)	8.023 (17.79)	1.807 (14.45)	4.829 (16.03)	2.453 (19.12)	17.112 (17.02)
Total	45.096	12.509	30.121	12.826	100.552

(b) Load Runoff

(Unit: t/day)

Type	Prahova			Cricovul	
	Main	Dimbu	Teleajen	Sarat	Total
Sewerage	1.541 (14.29)	4.411 (61.51)	0.467 (8.02)	0.090 (4.81)	6.509 (25.37)
Industry	3.193 (29.62)	0.720 (10.04)	0.984 (16.89)	0.002 (0.09)	4.899 (19.10)
Livestock Farm	0.075 (0.69)	0.000 (0.00)	0.035 (0.60)	0.000 (0.01)	0.110 (0.43)
Point Source	4.809	5.131	1.486	0.092	11.518
Sub-total	(44.60)	(71.55)	(25.51)	(4.91)	(44.89)
Non-point Source 1 (Septic/latrine)	1.613 (14.96)	1.027 (14.32)	1.444 (24.79)	0.527 (28.06)	4.611 (17.97)
Non-point Source 2 (Livestock)	2.496 (23.15)	0.338 (4.71)	1.752 (30.07)	0.761 (40.54)	5.347 (20.84)
Non-point Source 3 (Land)	1.864 (17.28)	0.676 (9.42)	1.144 (19.63)	0.498 (26.49)	4.180 (16.29)
Total	10.781	7.171	5.826	1.878	25.656

Note: Figures in parentheses indicate percentage of load to total load.

Table C.4.8 Pollution Load in 2015 under Low Growth Rate Baseline

(a) Load Generated and/or Effluent

(Unit: t/day)

Type	Prahova			Cricovul	
	Main	Dimbu	Teleajen	Sarat	Total
Sewerage	2.860 (5.13)	11.349 (48.87)	0.642 (1.95)	0.080 (0.62)	14.931 (11.96)
Industry	11.615 (20.82)	4.436 (19.10)	3.313 (10.05)	0.002 (0.02)	19.367 (15.51)
Livestock Farm	0.873 (1.57)	0.000 (0.00)	0.232 (0.70)	0.000 (0.00)	1.106 (0.89)
Point Source Sub-total	15.349 (27.51)	15.785 (67.97)	4.188 (12.70)	0.082 (0.64)	35.404 (28.36)
Non-point Source 1 (Septic/latrine)	5.662 (10.15)	2.237 (9.63)	5.628 (17.07)	2.387 (18.53)	15.914 (12.75)
Non-point Source 2 (Livestock)	26.750 (47.95)	3.395 (14.62)	18.324 (55.58)	7.958 (61.79)	56.426 (45.19)
Non-point Source 3 (Land)	8.023 (14.38)	1.807 (7.78)	4.829 (14.65)	2.453 (19.04)	17.112 (13.71)
Total	55.783	23.223	32.969	12.880	124.856

(b) Load Runoff

(Unit: t/day)

Type	Prahova			Cricovul	
	Main	Dimbu	Teleajen	Sarat	Total
Sewerage	2.860 (13.38)	11.349 (63.47)	0.640 (7.44)	0.080 (4.24)	14.928 (30.02)
Industry	11.613 (54.33)	4.436 (24.81)	3.312 (38.54)	0.002 (0.12)	19.363 (38.94)
Livestock Farm	0.851 (3.98)	0.000 (0.00)	0.226 (2.63)	0.000 (0.01)	1.077 (2.17)
Point Source Sub-total	15.324 (71.70)	15.785 (88.28)	4.178 (48.61)	0.082 (4.37)	35.369 (71.12)
Non-point Source 1 (Septic/latrine)	1.690 (7.91)	1.082 (6.05)	1.522 (17.70)	0.542 (28.77)	4.835 (9.72)
Non-point Source 2 (Livestock)	2.496 (11.68)	0.338 (1.89)	1.752 (20.38)	0.761 (40.44)	5.347 (10.75)
Non-point Source 3 (Land)	1.864 (8.72)	0.676 (3.78)	1.144 (13.31)	0.498 (26.42)	4.180 (8.41)
Total	21.374	17.880	8.595	1.883	49.732

Note: Figures in parentheses indicate percentage of load to total load.

Table C.4.9 Pollution Load in 2015 under Low Growth Rate and
20 mg/L Permissible Limit

(a) Load Generated and/or Effluent

(Unit: t/day)

Type	Prahova			Cricovul	
	Main	Dimbu	Teleajen	Sarat	Total
Sewerage	0.990 (2.23)	3.258 (28.63)	0.324 (1.08)	0.051 (0.40)	4.623 (4.69)
Industry	2.890 (6.52)	0.682 (6.00)	0.873 (2.91)	0.000 (0.00)	4.446 (4.51)
Livestock Farm	0.016 (0.03)	0.000 0.00	0.008 (0.03)	0.000 (0.00)	0.024 (0.02)
Point Source	3.895	3.940	1.206	0.052	9.092
Sub-total	(8.79)	(34.63)	(4.02)	(0.40)	(9.23)
Non-point Source 1 (Septic/latrine)	5.662 (12.77)	2.237 (19.66)	5.628 (18.77)	2.387 (18.58)	15.914 (16.15)
Non-point Source 2 (Livestock)	26.750 (60.34)	3.395 (29.83)	18.324 (61.11)	7.958 (61.94)	56.426 (57.26)
Non-point Source 3 (Land)	8.023 (18.10)	1.807 (15.88)	4.829 (16.10)	2.453 (19.09)	17.112 (17.36)
Total	44.330	11.379	29.986	12.849	98.544

(b) Load Runoff

(Unit: t/day)

Type	Prahova			Cricovul	
	Main	Dimbu	Teleajen	Sarat	Total
Sewerage	0.990 (9.95)	3.258 (53.98)	0.321 (5.72)	0.051 (2.76)	4.620 (19.70)
Industry	2.887 (29.04)	0.682 (11.31)	0.872 (15.53)	0.000 (0.02)	4.443 (18.95)
Livestock Farm	0.015 (0.15)	0.000 0.00	0.008 (0.14)	0.000 (0.01)	0.023 (0.10)
Point Source	3.892	3.940	1.202	0.052	9.086
Sub-total	(39.15)	(65.29)	(21.39)	(2.79)	(38.75)
Non-point Source 1 (Septic/latrine)	1.690 (17.00)	1.082 (17.93)	1.522 (27.08)	0.542 (29.24)	4.835 (20.62)
Non-point Source 2 (Livestock)	2.496 (25.11)	0.338 (5.59)	1.752 (31.18)	0.761 (41.11)	5.347 (22.80)
Non-point Source 3 (Land)	1.864 (18.74)	0.676 (11.20)	1.144 (20.35)	0.498 (26.86)	4.180 (17.83)
Total	9.942	6.035	5.619	1.852	23.448

Note: Figures in parentheses indicate percentage of load to total load.

Table C.4.10 Pollution Load in 2015 under High Growth Rate Baseline

(a) Load Generated and/or Effluent

(Unit: t/day)

Type	Prahova			Cricovul	
	Main	Dimbu	Teleajen	Sarat	Total
Sewerage	3.259 (5.21)	12.561 (46.64)	0.749 (2.14)	0.093 (0.72)	16.661 (12.13)
Industry	18.037 (28.81)	6.934 (25.74)	5.177 (14.82)	0.004 (0.03)	30.152 (21.95)
Livestock Farm	0.873 (1.39)	0.000 (0.00)	0.232 (0.67)	0.000 (0.00)	1.106 (0.81)
Point Source Sub-total	22.169 (35.41)	19.494 (72.38)	6.159 (17.63)	0.096 (0.75)	47.919 (34.88)
Non-point Source 1 (Septic/latrine)	5.662 (9.04)	2.237 (8.31)	5.628 (16.11)	2.387 (18.51)	15.914 (11.58)
Non-point Source 2 (Livestock)	26.750 (42.73)	3.395 (12.60)	18.324 (52.44)	7.958 (61.72)	56.426 (41.08)
Non-point Source 3 (Land)	8.023 (12.82)	1.807 (6.71)	4.829 (13.82)	2.453 (19.02)	17.112 (12.46)
Total	62.604	26.933	34.940	12.894	137.370

(b) Load Runoff

(Unit: t/day)

Type	Prahova			Cricovul	
	Main	Dimbu	Teleajen	Sarat	Total
Sewerage	3.259 (11.56)	12.561 (58.18)	0.746 (7.06)	0.093 (4.89)	16.659 (26.76)
Industry	18.033 (63.96)	6.934 (32.12)	5.175 (48.99)	0.004 (0.19)	30.146 (48.43)
Livestock Farm	0.851 (3.02)	0.000 (0.00)	0.226 (2.14)	0.000 (0.01)	1.077 (1.73)
Point Source Sub-total	22.143 (78.54)	19.494 (90.30)	6.148 (58.19)	0.096 (5.08)	47.882 (76.93)
Non-point Source 1 (Septic/latrine)	1.690 (5.99)	1.082 (5.01)	1.522 (14.40)	0.542 (28.55)	4.835 (7.77)
Non-point Source 2 (Livestock)	2.496 (8.85)	0.338 (1.56)	1.752 (16.58)	0.761 (40.14)	5.347 (8.59)
Non-point Source 3 (Land)	1.864 (6.61)	0.676 (3.13)	1.144 (10.82)	0.498 (26.23)	4.180 (6.72)
Total	28.193	21.590	10.565	1.897	62.245

Note: Figures in parentheses indicate percentage of load to total load.

Table C.4.11 Pollution Load in 2015 under High Growth Rate and
20 mg/L Permissible Limit

(a) Load Generated and/or Effluent

Type	Prahova		Teleajen	Cricovul		Total
	Main	Dimbu		Sarat		
Sewerage	1.067 (2.36)	3.380 (28.93)	0.364 (1.20)	0.053 (0.41)	4.863 (4.86)	
Industry	3.741 (8.27)	0.864 (7.39)	1.108 (3.66)	0.000 (0.00)	5.714 (5.71)	
Livestock Farm	0.016 (0.03)	0.000 (0.00)	0.008 (0.03)	0.000 (0.00)	0.024 (0.02)	
Point Source Sub-total	4.824 (10.66)	4.244 (36.33)	1.480 (4.89)	0.053 (0.41)	10.601 (10.60)	
Non-point Source 1 (Septic/latrine)	5.662 (12.51)	2.237 (19.15)	5.628 (18.60)	2.387 (18.57)	15.914 (15.91)	
Non-point Source 2 (Livestock)	26.750 (59.10)	3.395 (29.06)	18.324 (60.55)	7.958 (61.93)	56.426 (56.40)	
Non-point Source 3 (Land)	8.023 (17.73)	1.807 (15.47)	4.829 (15.96)	2.453 (19.08)	17.112 (17.10)	
Total	45.258	11.682	30.261	12.851	100.053	

(b) Load Runoff

Type	Prahova		Teleajen	Cricovul		Total
	Main	Dimbu		Sarat		
Sewerage	1.067 (9.81)	3.380 (53.32)	0.361 (6.12)	0.053 (2.84)	4.860 (19.48)	
Industry	3.738 (34.39)	0.864 (13.63)	1.107 (18.79)	0.000 (0.02)	5.709 (22.88)	
Livestock Farm	0.015 (0.14)	0.000 (0.00)	0.008 (0.14)	0.000 (0.01)	0.023 (0.09)	
Point Source Sub-total	4.819 (44.34)	4.244 (66.95)	1.476 (25.05)	0.053 (2.87)	10.593 (42.45)	
Non-point Source 1 (Septic/latrine)	1.690 (15.55)	1.082 (17.07)	1.522 (25.82)	0.542 (29.22)	4.835 (19.38)	
Non-point Source 2 (Livestock)	2.496 (22.97)	0.338 (5.32)	1.752 (29.72)	0.761 (41.07)	5.347 (21.43)	
Non-point Source 3 (Land)	1.864 (17.15)	0.676 (10.66)	1.144 (19.40)	0.498 (26.84)	4.180 (16.75)	
Total	10.869	6.339	5.893	1.854	24.955	

Note: Figures in parentheses indicate percentage of load to total load.

Table C.4.12 Pollution Load in 2015 under High Growth Rate and 10 mg/L Permissible Limit

(a) Load Generated and/or Effluent

(Unit: t/day)

Type	Prahova			Cricovul	
	Main	Dimbu	Teleajen	Sarat	Total
Sewerage	0.566 (1.32)	1.690 (17.66)	0.182 (0.62)	0.026 (0.21)	2.465 (2.60)
Industry	1.878 (4.38)	0.442 (4.62)	0.561 (1.90)	0.000 (0.00)	2.881 (3.04)
Livestock Farm	0.008 (0.02)	0.000 (0.00)	0.005 (0.02)	0.000 (0.00)	0.013 (0.01)
Point Source Sub-total	2.452 (5.72)	2.132 (22.28)	0.747 (2.53)	0.027 (0.21)	5.358 (5.65)
Non-point Source 1 (Septic/latrine)	5.662 (13.20)	2.237 (23.37)	5.628 (19.06)	2.387 (18.61)	15.914 (16.78)
Non-point Source 2 (Livestock)	26.750 (62.37)	3.395 (35.47)	18.324 (62.05)	7.958 (62.06)	56.426 (59.52)
Non-point Source 3 (Land)	8.023 (18.71)	1.807 (18.88)	4.829 (16.35)	2.453 (19.12)	17.112 (18.05)
Total	42.886	9.571	29.528	12.824	94.810

(b) Load Runoff

(Unit: t/day)

Type	Prahova			Cricovul	
	Main	Dimbu	Teleajen	Sarat	Total
Sewerage	0.566 (6.66)	1.690 (39.98)	0.181 (3.50)	0.026 (1.44)	2.463 (12.49)
Industry	1.875 (22.07)	0.442 (10.46)	0.560 (10.85)	0.000 (0.01)	2.878 (14.60)
Livestock Farm	0.007 (0.09)	0.000 (0.00)	0.005 (0.09)	0.000 (0.01)	0.012 (0.06)
Point Source Sub-total	2.449 (28.82)	2.132 (50.44)	0.745 (14.44)	0.027 (1.46)	5.353 (27.15)
Non-point Source 1 (Septic/latrine)	1.690 (19.89)	1.082 (25.59)	1.522 (29.48)	0.542 (29.64)	4.835 (24.52)
Non-point Source 2 (Livestock)	2.496 (29.37)	0.338 (7.98)	1.752 (33.93)	0.761 (41.67)	5.347 (27.12)
Non-point Source 3 (Land)	1.864 (21.93)	0.676 (15.98)	1.144 (22.15)	0.498 (27.23)	4.180 (21.20)
Total	8.499	4.228	5.162	1.827	19.716

Note: Figures in parentheses indicate percentage of load to total load.

Table C.5.1 Systematic List of Macrobenthos in Ialomita River in 1968

Specia	Location						Sapro- bic indica- tor	I.B.B.
	Pietrosita	Upstream Laculete	D.stream Targoviste	Dridu	Urziceni	Slobozia		
Nematoldea	-	-	+	+	+	-	$\rho - \alpha$	-
Oligochaeta								
Limnodrilus helveticus (Piguet)	-	-	-	-	-	-	$\rho - \alpha$	-
Limnodrilus udekemianus (Clap)	-	-	-	-	-	-	$\rho - \alpha$	-
Tubifex tubifex (Muller)	+	+	+	+	+	+	$\rho - \alpha$	6
Hidracarina	+	+	-	-	-	-	-	-
Insecta								
Ephemeroptera								
Baetis bioculatus (L)	-	+	-	-	-	-	$\alpha - \beta$	3
Baetis carpaticus (Mort)	-	+	-	-	-	-	$\alpha - \beta$	3
Baetis rhodani (Picktet)	+	+	+	+	-	-	$\alpha - \beta$	3
Baetis pumilum (Burn)	+	-	-	-	-	-	$\alpha - \beta$	3
Baetis scambus	+	+	+	-	-	-	$\alpha - \beta$	3
Baetis venustus (Eaton)	+	-	-	-	-	-	$\alpha - \beta$	3
Baetis vernus (Curt)	-	+	+	-	-	-	$\alpha - \beta$	3
Caenis macrura (Steph.)	-	+	+	-	+	+	β	3
Cloeon dipterum (L)	-	-	-	+	+	+	-	-
Ephemerella ignita (Poda)	-	-	-	+	-	-	$\alpha - \beta$	3
Pseudocloeon hyalopterum (Bog)	-	+	-	-	-	-	-	-
Rhitrogena aurantiaca (L)	+	+	-	-	-	-	$\alpha - \beta$	1
Rhitrogena semicolorata (Curt)	+	+	-	-	-	-	α	1
Rhitrogena sp.	-	+	-	-	-	-	-	-
Plecoptera								
Amphynemura triangularis (Ris)	+	-	-	-	-	-	α	-
Isoperla grmmatica (Poda)	+	-	-	-	-	-	α	1
Nemura sp.	+	-	-	-	-	-	-	1
Perla marginata (Panz)	+	-	-	-	-	-	α	1
Perlidae	+	-	-	-	-	-	α	1
Protonemura sp.	+	-	-	-	-	-	$\alpha - \beta$	1
Heteroptera								
Corixa sp.	-	-	-	+	-	+	$\beta - \alpha$	5
Trichoptera								
Hydropsyche sp.	+	-	-	-	-	-	$\alpha - \beta$	-
Hydropsyche angustipennis (Curt)	+	+	-	-	-	-	$\alpha - \beta$	-
Rhyacophila sp.	+	-	-	-	-	-	$\alpha - \beta$	1
Diptera								
Culicidae	-	-	-	-	-	+	-	-
Simuliidae	+	-	-	-	-	-	-	-
Chironomidae	+	+	+	+	+	+	$\rho - \alpha$	6
Tipulidae								
Blephariceridae	-	-	-	-	-	-	-	-
Tabandae								
Tabanus sp.	+	+	-	-	-	-	-	-
Alte diptere	+	+	+	-	-	+	-	-

Table C.5.2 Systematic List of Macroenthos in Prahova River in 1968

Species	Location				Saprobic indicator	I.B.B.
	1-1,5 km Spring	Upstream Cimpina	Downstream Brazi	Dridu		
<u>Nematoidea</u>						
<u>Oligochaeta</u>						
<i>Limnodrilus helveticus</i> (Piguet)	-	-	+	+	p - α	-
<i>Limnodrilus udekemianus</i> (Clap)	-	-	+	+	p - α	-
<i>Tubifex tubifex</i> (Muller)	+	+	+	+	p - α	6
<u>Hirudinea</u>						
<i>Eupobdella octoculata</i> (L)	+	-	-	-	β - α	5
<u>Gastropoda</u>						
<i>Physa fontinalis</i>	+	-	-	-	β	4
<u>Amphipoda</u>						
<i>Rivulogammarus balcanicus</i> (Schaf)	+	+	-	-	β	4
<u>Insecta</u>						
<u>Ephemeroptera</u>						
<i>Baetis carpaticus</i> (Mort)	-	+	-	-	o - β	3
<i>Baetis rhodani</i> (Pickett)	+	+	-	-	o - β	3
<i>Baetis scambus</i> (Eaton)	-	+	-	-	o - β	3
<i>Baetis tenax</i> (Eaton)	-	+	-	-	o - β	3
<i>Baetis vernus</i> (Curt)	+	+	+	-	o - β	3
<i>Caenis macrura</i> (Steph.)	-	+	-	+	β	3
<i>Cloeon dipterum</i> (L)	-	-	+	-	-	3
<i>Ecdyonurus venosus</i> (Fabr)	-	+	-	-	o - β	3
<i>Ephemarella ignita</i> (Poda)	+	+	-	-	o - β	3
<i>Rhitrogena semicolorata</i> (Curt)	+	+	-	-	o	
<u>Plecoptera</u>						
<i>Amphynemura triangularis</i> (Ris.)	+	-	-	-	o - β	1
<i>Leuctra</i> sp.	+	-	-	-	o	1
<i>Nemura</i> sp.	+	-	-	-	o	1
<i>Perla</i> sp.	+	-	-	-	o	1
<u>Odonata</u>						
<i>Corduliinae</i>	-	-	+	+	-	-
<u>Heteroptera</u>						
<i>Corixa</i> sp.	-	-	+	-	o - β	-
<i>Ranatra linearis</i> (L)	-	-	-	+	-	-
<u>Trichoptera</u>						
<i>Agraylea pallidula</i>	-	-	+	+	-	-
<i>Drusus</i> sp.	+	-	-	-	-	-
<i>Hydropsyche</i> sp	+	-	-	-	o - β	-
<i>Rhyacophyla</i> sp.	+	-	-	-	o - β	1
<i>Sericostoma</i> sp.	+	-	-	-	-	-
<u>Diptera</u>						
<u>Simuliidae</u>						
<i>Simulium</i> sp.	+	-	+	-	o - β	-
<u>Chironomidae</u>						
<i>Otrhocladiinae</i>	+	+	+	+	-	-
<i>Tendipedinae</i>	+	+	+	+	-	-
<i>Alte diptere</i>	+	+	+	+	-	-

Table C.5.3 Systematic List of Macrobenthos in Ialomita River in 1998

Species	Location						Saprobic indicator	I.B.B.
	0,7-Ikon Spring Padina	Branesti Amonte Targoviste	Saculeni Aval Targoviste	Silistea-Snagov	Ciochina	Tandarei		
Oligochaeta								
Limnodrilus helveticus (Piguet)	-	-	+	-	+	+	$\rho - \alpha$	-
Limnodrilus udekemianus (Clap)	-	-	+	-	+	+	$\rho - \alpha$	-
Tubifex tubifex (Muller)	-	+	+	+	+	+	$\rho - \alpha$	6
Amphipoda								
Rivulogammarus balcanicus	+	-	-	-	-	-	β	4
Insecta								
Collembola								
	-	+	-	-	-	-	-	-
Ephemeroptera								
Baetis rhodani (Pictet)	+	+	-	-	-	-	$O - \beta$	3
Baetis sp.	+		+	+	-	-	β	3
Caenis macrura (Steph.)	-	+	+	-	-	-	β	3
Heptagenia sulphurea (Muller)	-	+	-	-	-	-	$O - \beta$	1
Ephemerella ignita (Poda)	+	-	+	-	-	-	$O - \beta$	3
Rhitrogena sp.	+	-	-	-	-	-	-	-
Plecoptera								
Nemura cinerea	+	-	-	-	-	-	-	-
Perla bipunctata (Pictet)	+	-	-	-	-	-	$O - \beta$	1
Protonemura sp.	+	-	-	-	-	-	$O - \beta$	1
Trichoptera								
Hydropsyche sp.	-	+	-	-	-	-	$O - \beta$	-
Rhyacophila sp.	+	-	-	-	-	-	-	-
Diptera								
Ceratopogonidae								
	+	-	-	-	-	-	-	-
Chironomidae								
Chironomus plumosus	+		+	+	+	+	$\rho - \alpha$	6
Chironomus thummi	-		+		-	-	$\rho - \alpha$	6

Table C.5.4 Systematic List of Macroinvertebrates in Prahova River in 1998

Species	Location			Saprobic Indicator	I.B.B.
	1-1,5 km Spring	After Comarnic	Tinosu Adincata		
Oligochaeta					
<i>Limnodrilus helveticus</i> (Piguet)	-	-	+ +	$\rho - \alpha$	-
<i>Limnodrilus udekemianus</i> (Clap)	-	-	+ +	$\rho - \alpha$	-
<i>Tubifex tubifex</i> (Muller)	+	-	+ +	$\rho - \alpha$	6
Hirudinea					
<i>Erpobdella octoculata</i> (L)	+	-	- -	$\beta - \alpha$	5
Gastropoda					
<i>Physa fontinalis</i>	-	-	- +	β	4
Amphipoda					
<i>Gammarus pulex</i>	+	-	- -	β	4
Insecta					
Collembola					
Ephemeroptera					
<i>Baetis rhodani</i> (Pictet)	+	+	- -	$O - \beta$	3
<i>Baetis</i> sp.	+	+	+ -	β	3
<i>Caenis macrura</i> (Steph.)	+	+	- -	β	3
<i>Ecdynourus</i> sp.	+	-	- -	$O - \beta$	1
<i>Ephemerella ignita</i> (Poda)	+	+	- -	$O - \beta$	3
Trichoptera					
<i>Hydropsyche</i> sp.	+	-	- -	$O - \beta$	-
Diptera					
Simuliidae					
<i>Simulium</i> sp.	+	+	- -	$O - \beta$	-
Chironomidae					
<i>Chironomus plumosus</i>	+	+	- +	$\rho - \alpha$	6
<i>Chironomus thummi</i>	+	+	- -	$\rho - \alpha$	6