

Table E.1.10 Annual Average Phenol Concentration in Wastewater of Effluent Channel of Pollutant Source

Channel Code	Name of Pollution Source	Activity	Discharge Point/Type	1995		1996		1997		Average Conc.
				No.	Conc.	No.	Conc.	No.	Conc.	
4006A	BERE AZUGA	Food/Beverage	River w/ TR		0.014	8	0.014			0.014
4035A	S.C.STEAUA ROMANA SA	Petroleum Refinery	River w/ TR	2	0.000	2	0.490			0.400
4047A	F.E. PLOIESTI	Electricity/Gas/Water Supply	River w/ TR	48	0.000	4	0.100	6	0.200	0.028
4051A	S.C. PETROBRAZI S.A.	Petroleum Refinery	River w/ TR	36	0.000	44	0.520	17	0.300	0.348
4089A	S.E.P.P.L. MANECIU	Wood	River w/ TR					4	0.160	0.160
4137A	S.C. VEGA S.A.	Petroleum Refinery	River w/ TR	90	0.000			17	0.260	0.176
4148A	S.C.PETROTEL SA PL.	Petroleum Refinery	River w/ TR	90	1.000			7	0.790	0.631
4150A	MATIZOL	Construction	River w/ TR					1	0.012	0.012
4158A	S.C. ASTRA ROMANA SA	Petroleum Refinery	River w/ TR	90	0.000			12	0.380	0.459
4532A	SALINA SLANIC	Mining/Quarrying	River w/ TR	1	0.000					0.000

Table E.1.11 Annual Average Cd Concentration in Wastewater of Effluent Channel of Pollutant Source

Channel Code	Name of Pollution Source	Activity:	Discharge Point/Type	1995		1996		1997		Average Conc.
				No.	Conc.	No.	Conc.	No.	Conc.	
4021A	MEFIN SINAIA	Machinery/Equipment	Domestic Sew					1	0.000	0.000
4029A	HIDROJET BREAZA	Machinery/Equipment	Domestic Sew					2	0.000	0.000
4051A	S.C. PETROBRAZI S.A.	Petroleum Refinery	River w/ TR		0.030	44				0.030
4100B	U.M. PLOPENI	Machinery/Equipment	River w/o TR	12	0.015					0.015
4150A	MATIZOL	Construction	River w/ TR					1	0.001	0.001
4156A	UZUC PLOIESTI	Machinery/Equipment	Domestic Sew			1	0.010		0.002	0.006
4314A	TROMET	Metal Products Fabricated	Domestic Sew			2	0.154		0.045	0.118
4318A	PRAHOVEANA PLOIESTI	Tanning/Dressing Leather	Domestic Sew			1	0.001			0.001
4552A	F.S.H.BAICOI	Machinery/Equipment	Domestic Sew			2	0.006		0.000	0.004
4554A	ELECTROUTILAJ	Electrical Machinery/Apparatus	Domestic Sew			1	0.024			0.024
4559A	NEPTUN CAMPINA	Machinery/Equipment	Domestic Sew	1	0.000			1	0.009	0.004
4560A	CAMEXIP	Machinery/Equipment	Domestic Sew			2	0.010			0.010

Table E.1.12 Annual BOD Load from Effluent Channel of Pollutant Source (1/6)

Channel Code	Pollution Source Code	Name of Industry/Livestock Farm	Activity Type	Town Name	Discharging Type	Discharging Place p	Volume (1000m ³ /Y)	BOD (mg/L)	Load (ton/Y)
4003A	4003	SPITALUL FILIP.TG.	Health/Social Work	Filipestii de Targ	River w/o TR	Prahova	8.5	200.0	1.70
4004A	4004	SINTERREF AZUGA	Non-Metallic Mineral Prod	Azuga	Domestic Sew. S.	Azuga D.S.	16.3	6.3	0.10
4004B	4004	SINTERREF AZUGA	Non-Metallic Mineral Prod	Azuga	River w/ TR	Azuga	63.7	6.5	0.41
4005A	4005	SCOALA AJUTATOARE FILIPESTII DE TRG	Education	Filipestii de Targ	River w/o TR	Prahova	4.7	50.0	0.23
4006A	4006	BERE AZUGA	Food/Beverage	Azuga	River w/ TR	Prahova	477.3	32.3	15.43
4007A	4007	POSTAV AZUGA	Textiles	Azuga	River w/ TR	Azuga	352.3	54.1	19.05
4009A	4009	STIAZ AZUGA	Non-Metallic Mineral Prod	Azuga	River w/ TR	Prahova	78.7	8.8	0.70
4010A	4010	SPITALUL AZUGA	Health/Social Work	Azuga	River w/ TR	Prahova	43.0	98.3	4.22
4012A	4012	SANATORIUL T.B.C. BUSTENI	Public Administration/Def	Busteni	River w/ TR	Prahova	89.0	8.4	0.75
4014A	4014	HARTIA BUSTENI	Paper/Paper Products	Busteni	River w/ TR	Prahova	3615.3	12.4	44.89
4016A	4016	CERBUL SINAIA	Hotel/Restaurant	Sinaia	River w/ TR	Prahova	25.0	100.0	2.50
4017A	4017	S.E.P.P.L. CIMPINA	Wood	Cimpina	River w/ TR	Doftana	68.0	139.8	9.51
4017B	4017	S.E.P.P.L. CIMPINA	Wood	Cimpina	River w/ TR	Prahova	4.0	139.8	0.56
4019A	4019	S.C.ALPIN S.A. COTA 1400	Hotel/Restaurant	Sinaia	River w/ TR	Peles	31.7	100.0	3.17
4020A	4020	SALSI SINAIA	Food/Beverage	Sinaia	Domestic Sew. S.	Sinaia D.S.	116.0	468.3	54.32
4021A	4021	MEFIN SINAIA	Machinery/Equipment	Sinaia	Domestic Sew. S.	Sinaia D.S.	418.7	15.2	6.36
4025A	4025	SEPL PLOIESTI SEC. COMARNIC	Wood	Comarnic (Posada)	River w/ TR	Prahova	18.0	139.8	2.52
4029A	4029	HIDROJET BREAZA	Machinery/Equipment	Breaza	Domestic Sew. S.	Breaza D.S.	559.7	35.0	19.59
4030A	4030	U.M.02525 BREAZA	Public Administration/Def	Breaza	Domestic Sew. S.	Breaza D.S.	51.7	200.0	10.33
4033A	4033	S.C. CONCORDIA S.A.	Electrical Machinery/Appa	Cimpina	River w/ TR	Doftana	48.3	972.0	46.98
4035A	4035	S.C.STEAUA ROMANA SA	Petroleum Refinery	Cimpina	River w/ TR	Doftana	2621.3	46.9	122.84
4037A	4037	S.P. BAICOI	Crude Oil Extraction	Baicoi	Domestic Sew. S.	Baicoi D.S.	60.0	100.0	6.00
4039A	4039	VICTORJA FLORESTI	Petroleum Refinery	Floresti	River w/ TR	Prahova	4630.0	12.3	56.74
4039B	4039	VICTORJA FLORESTI	Petroleum Refinery	Floresti	Domestic Sew. S.	Floresti D.S.	120.0	4.6	0.55
4042A	4042	AVICOLA PLOIESTI-BIJEI Farm	Livestock Farm	Bijeji	River w/ TR	Teleajen	70.0	767.0	53.69
4047A	4047	F.E. PLOIESTI	Electricity/Gas/Water Supp	Brazi (Fisculest)	River w/ TR	Prahova	8786.0	15.9	139.73
4051A	4051	S.C. PETROBRAZI S.A.	Petroleum Refinery	Ploiesti	River w/ TR	Prahova	14779.7	99.0	1462.86
4053A	4053	S.C. SERPLO S.A. PLOIESTI	Ungarion (Flowers)	Barcanesi (Tatarani)	River w/ TR	Pirul Rece	41.3	10.0	0.41
4071A	4071	S.C. AGROMEC CIORANI S.A.	Agricultural Activities	Ciorani	River w/ TR	Cincovul Sarat	6.0	10.0	0.06
4075A	4075	PENTENCIARUL TG NOU	Public Administration/Def	Arcestii Rahivani (River w/ TR	Lesoul	25.7	8.4	0.22
4076A	4076	U.M. 01991 TG. NOU	Public Administration/Def	Arcestii Rahivani (River w/ TR	Lesoul	18.7	8.4	0.16
4082A	4082	COMPORSA STANCESTI	Livestock Farm	Arcestii Rahivani (S	River w/ TR	Prahova	211.0	1249.0	263.54
4087A	4087	U.M. 01035 CHEIA	Public Administration/Def	Maneciu (Cheia)	River w/ TR	Teleajen	7.7	8.4	0.06
4089A	4089	S.E.P.P.L. MANECIU	Wood	Maneciu (Maneciu U	River w/ TR	Teleajen	21.0	267.6	5.62

Table E.1.1.12 Annual BOD Load from Effluent Channel of Pollutant Source (2/6)

Channel Code	Pollution Source Code	Name of Industry/Livestock Farm	Activity Type	Town Name	Discharging Type	Discharging Place	Volume (1000m ³ /Y)	BOD (mg/L)	Load (ton/Y)
4091A	4091	S.C. CHIMFOREX BUCOV	Petroleum Refinery	Bucov	River w/ TR	Iazu Monitor T	27.7	60.0	1.66
4092A	4092	SPIT. T.B.C. DRAJNA	Health/Social Work	Drajna	River w/ TR		8.0	165.7	1.33
4094A	4094	PROLA-PLOIESTI	Food/Beverage	Ploiesti	Domestic Sew. S.	Ploiesti D.S.	204.3	468.3	95.69
4095A	4095	STICLOVAL VALENI	Mining/Quarrying	Valeni de Munte	River w/ TR		37.0	11.6	0.43
4098A	4098	AGROMEC MAGURELE	Agricultural Activities	Magurele	River w/ TR	Teleajen	6.3	10.0	0.06
4099B	4099	SCHELA BOLDESTI	Crude Oil Extraction	Boldesti-Scateni	Domestic Sew. S.	Boldesti D.S.	102.0	100.0	10.20
4100A	4100	U.M. PLOPENI	Machinery/Equipment	Plopeni	Domestic Sew. S.	Plopeni D.S.	1510.3	20.3	30.66
4100B	4100	U.M. PLOPENI	Machinery/Equipment	Plopeni	River w/o TR		146.3	16.8	2.46
4101A	4101	GES SCAIENI	Wood	Boldesti-Scateni	River w/ TR	Teleajen	68.3	12.1	0.83
4101B	4101	GES SCAIENI	Wood	Boldesti-Scateni	Domestic Sew. S.	Boldesti D.S.	166.3	31.7	5.28
4102A	4102	S.C. CAHIRO S.A.	Paper/Paper Products	Boldesti-Scateni	River w/ TR	Teleajen	472.7	25.1	11.85
4103A	4103	SOCERAM BUCOV	Construction	Bucov	River w/ TR	Teleajen	140.3	8.6	1.21
4103B	4103	SOCERAM BUCOV	Construction	Bucov	River w/ TR	Teleajen	12.7	11.4	0.14
4106A	4106	REAL PLEASA	Basic Metals	Bucov (Pleasa)	River w/ TR	Teleajen	349.7	12.9	4.52
4112A	4112	ARPACOR	Chemicals/Chemical Produ	Bucov	River w/o TR	Teleajen	108.0	8.9	0.96
4115A	4115	I.C.V.V. VALEA CALUGAREASCA	Food/Beverage	Valea Calugareasca	River w/ TR	Teleajen	26.7	30.1	0.80
4117A	4117	S.C. ROMFOSOCHEM SA	Chemicals/Chemical Produ	Valea Calugareasca	River w/ TR	Teleajen	1700.7	60.0	102.11
4124A	4124	S.C. DERO LEVER PLOIESTI	Chemicals/Chemical Produ	Ploiesti	Domestic Sew. S.	Ploiesti D.S.	474.3	80.0	37.95
4132A	4132	INTEX	Textiles	Paulesti	Domestic Sew. S.	Ploiesti D.S.	340.0	5.1	1.73
4133A	4133	STATIA PECO 2,KM.6	Petroleum Refinery	Ploiesti	Domestic Sew. S.	Ploiesti D.S.	99.0	4.6	0.46
4136A	4136	S.C. VINALCOOL S.A. PRAHOVA	Food/Beverage	Ploiesti	Domestic Sew. S.	Ploiesti D.S.	66.0	468.3	30.91
4136B	4136	S.C. VINALCOOL S.A. PRAHOVA	Food/Beverage	Ploiesti	River w/o TR	Dimbu	79.3	31.2	2.48
4137A	4137	S.C. VEGA S.A.	Petroleum Refinery	Beresti (Confatesti)	River w/ TR	Dimbu	291.3	51.3	14.94
4137B	4137	S.C. VEGA S.A.	Petroleum Refinery	Beresti (Confatesti)	Industrial Sew. S.	S.C. ASTRA R	1230.3	149.6	184.06
4138A	4138	PROGRESUL PLOIESTI	Rubber/Plastic Products	Ploiesti	River w/ TR	Dimbu	309.3	3.7	1.15
4139A	4139	EXTRAPAN SEDIU	Food/Beverage	Ploiesti	Domestic Sew. S.	Ploiesti D.S.	34.7	468.3	16.23
4139B	4139	EXTRAPAN SEDIU	Food/Beverage	Ploiesti	River w/ TR	Dimbu	25.7	31.2	0.80
4140A	4140	SECTIA L6 PLOIESTI	Land Transport	Ploiesti	River w/ TR	Dimbu	5.3	224.0	1.19
4141A	4141	24 IANUARIE	Machinery/Equipment	Ploiesti	River w/o TR	Dimbu	117.3	8.2	0.96
4142A	4142	PROGRESUL SECTIA PIGMENTI	Rubber/Plastic Products	Ploiesti	Domestic Sew. S.	Ploiesti D.S.	30.0	6.5	0.20
4143B	4143	LN.C.A.F. PLOIESTI	Food/Beverage	Ploiesti	Domestic Sew. S.	Ploiesti D.S.	195.0	632.0	123.24
4144A	4144	S.C. CIPROM MECTA	Construction	Ploiesti	Domestic Sew. S.	Ploiesti D.S.	155.7	4.3	0.67
4146A	4146	FEROEMAL PLOIESTI	Metal Products Fabricated	Ploiesti	Domestic Sew. S.	Ploiesti D.S.	243.0	62.2	15.11
4147A	4147	DACIA PLOIESTI	Metal Products Fabricated	Ploiesti	River w/ TR	Dimbu	119.3	5.0	0.60

Table E.1.1.12 Annual BOD Load from Effluent Channel of Pollutant Source (3/6)

Channel Code	Pollution Source Code	Name of Industry/Livestock Farm	Activity Type	Town Name	Discharging Type	Discharging Place	Volume (1000m ³ /Y)	BOD (mg/L)	Load (ton/Y)
4148A	4148	S.C.PETROTEL SA PL.	Petroleum Refinery	Ploiesti	River w/ TR	Teleajen	8558.3	58.7	502.11
4148B	4148	S.C.PETROTEL SA PL.	Petroleum Refinery	Ploiesti	Industrial Sew. S.	S.C. ASTRA R	3943.7	149.6	589.97
4149A	4149	PETROTRANS PLOIESTI	Petroleum Refinery	Ploiesti	Domestic Sew. S.	Ploiesti D.S.	71.0	4.6	0.33
4149B	4149	PETROTRANS PLOIESTI	Petroleum Refinery	Ploiesti	River w/ TR	Dimbu	29.7	51.7	1.53
4150A	4150	MATIZOL	Construction	Berceni	River w/ TR	Lazul Monitor T	337.7	35.4	11.97
4151A	4151	U.M. 01959 BERCENI	Public Administration/Def	Berceni	River w/ TR	Teleajen	9.0	8.4	0.08
4153A	4153	DOROBANTUL PLOIESTI	Textiles	Ploiesti	Domestic Sew. S.	Ploiesti D.S.	1069.7	5.1	5.46
4155A	4155	DEPOULC.F.R.-SEDIU	Land Transport	Ploiesti	Domestic Sew. S.	Ploiesti D.S.	228.3	36.5	8.33
4156A	4156	UZUC PLOIESTI	Machinery/Equipment	Ploiesti	Domestic Sew. S.	Ploiesti D.S.	242.7	13.8	3.36
4158A	4158	S.C. ASTRA ROMANA SA	Petroleum Refinery	Berceni (Cordaresti)	River w/ TR	Dimbu	7063.7	100.6	710.59
4159A	4159	FORADEX PLOIESTI	Furniture	Ploiesti	Domestic Sew. S.	Ploiesti D.S.	20.3	14.0	0.28
4160A	4160	UPETROM PLOIESTI	Machinery/Equipment	Ploiesti	Domestic Sew. S.	Ploiesti D.S.	427.0	22.2	9.48
4160B	4160	UPETROM PLOIESTI	Machinery/Equipment	Ploiesti	River w/ TR	Dimbu	670.7	23.8	15.96
4161A	4161	REVIZIA GHIGHIU	Transport Activities	Berceni (Cordaresti)	Industrial Sew. S.	S.C. ASTRA R	49.7	8.0	0.40
4166A	4166	MANASTIREA SUZANA	Education	Maneciu (Cbeia)	River w/ TR	Teleajen	4.0	29.1	0.12
4168A	4168	AUTOBAZA I PLOIESTI	Land Transport	Ploiesti	Domestic Sew. S.	Ploiesti D.S.	22.0	36.5	0.80
4170A	4170	HIPODROM PLOIESTI	Recreational/Cultural/Sport	Ploiesti	Domestic Sew. S.	Ploiesti D.S.	7.3	200.0	1.47
4195A	4195	PROGRESUL SECTIA OXIGEN	Rubber/Plastic Products	Ploiesti	Domestic Sew. S.	Ploiesti D.S.	51.0	6.5	0.33
4209A	4209	PREFABRICATE BLEVOI	Construction	Blejoi	River w/ TR	Teleajen	30.7	22.0	0.67
4211A	4211	U.M. VALENI DE MUNTE-SECTIA EZVOARE	Machinery/Equipment	Valenii de Munte	River w/ TR	Teleajen	91.0	23.8	2.17
4213A	4213	VULTURUL COMARNIC	Non-Metallic Mineral Prod	Comarnic	River w/ TR	Prabova	48.3	3.5	0.17
4217A	4217	VIDELMAR SEDIU	Food/Beverage	Albesti-Paleologu	Domestic Sew. S.	Urlati D.S.	38.5	468.3	18.03
4218A	4218	CABANA C.DORULUI	Hotel/Restaurant	Sinaiu	River w/ TR	Irvorul Dorului	3.3	100.0	0.33
4221A	4221	CIPROM VEST	Construction	Ploiesti	Domestic Sew. S.	Ploiesti D.S.	20.7	10.4	0.21
4223A	4223	CONSERVE MAGURELE	Food/Beverage	Magurele	River w/ TR	Teleajen	300.0	31.2	9.36
4225A	4225	TABERE SUZANA	Education	Sinaiu	Domestic Sew. S.	Sinaiu D.S.	31.3	50.0	1.56
4239A	4239	SECTIA EXTERIOARA CIORANI	Health/Social Work	Ciorani	River w/ TR	Cricovul Sarat	4.0	97.0	0.39
4257A	4257	U.M.01532	Public Administration/Def	Paulesti	River w/ TR	Dimbu	2.0	8.4	0.02
4270A	4270	S.C. AGRINDUSTRIALA CERES S.A.	Livestock Farm	Cerasu	River w/ TR	Drainaj	30.7	767.0	23.52
4273A	4273	COPIMEX BRAZI	Livestock Farm (small)	Brazi	River w/ TR	Viisoara	72.0	767.0	55.22
4292A	4292	S.C. PETROUTILAJ S.A	Machinery/Equipment	Cimpina	River w/ TR	Prabova	97.0	23.8	2.31
4292B	4292	S.C. PETROUTILAJ S.A	Machinery/Equipment	Cimpina	Domestic Sew. S.	Cimpina D.S.	36.0	22.2	0.80
4292C	4292	S.C. PETROUTILAJ S.A	Machinery/Equipment	Cimpina	River w/ TR	Prabova	155.0	23.8	3.69
4298A	4298	UNIT. TERIT. 440	Public Administration/Def	Gura Vittoarei	River w/ TR	Teleajen	6.0	7.0	0.04

Table E.1.12 Annual BOD Load from Effluent Channel of Pollutant Source (4/6)

Channel Code	Pollution Source Code	Name of Industry/Livestock Farm	Activity Type	Town Name	Discharging Type	Discharging Place	Volume (1000m ³ /Y)	BOD (mg/L)	Load (ton/Y)
4305A	4305	INDUSTRIE MICA MOARA DE MOZAIC	Mining/Quarrying	Ploiesti	Domestic Sew. S.	Ploiesti D.S.	0.0	40.0	0.00
4305B	4305	INDUSTRIE MICA MOARA DE MOZAIC	Mining/Quarrying	Ploiesti	River w/o TR	Prabova	0.0	20.0	0.00
4307A	4307	TRANSPORT VALENI DE MUNTE	Land Transport	Valeni de Munte	Domestic Sew. S.	Valeni de Mun	11.0	29.0	0.32
4308A	4308	SOCIETATEA COMERCIALA ANTECO S.A.	Furniture	Ploiesti	Domestic Sew. S.	Ploiesti D.S.	24.7	14.0	0.35
4310A	4310	U.M.01562	Public Administration/Def	Magurele	River w/ TR	Telejeu	4.0	8.4	0.03
4311A	4311	COCA COLA PLOIESTI	Food/Beverage	Ploiesti	Domestic Sew. S.	Ploiesti D.S.	220.0	304.5	66.99
4314A	4314	TROMET	Metal Products Fabricated	Ploiesti	Domestic Sew. S.	Ploiesti D.S.	48.3	16.1	0.78
4315B	4315	ATLAS GIP PLOIESTI	Petroleum Refinery	Ploiesti	Domestic Sew. S.	Ploiesti D.S.	29.3	4.6	0.13
4316A	4316	U.M. 01819	Public Administration/Def	Targosorl Vecchi (Cra	River w/ TR	Leaonul	84.7	9.9	0.84
4318A	4318	PRAHOVEANA PLOIESTI	Tanning/Dressing Leather	Ploiesti	Domestic Sew. S.	Ploiesti D.S.	53.0	62.8	3.33
4319A	4319	BASTI PLOIESTI	Non-Metallic Mineral Prod	Ploiesti	Domestic Sew. S.	Ploiesti D.S.	17.3	6.3	0.11
4320A	4320	FORADEX SCAIENI	Furniture	Boldesti-Scaieni	Domestic Sew. S.	Boldesti D.S.	42.7	14.0	0.60
4321A	4321	S.C. VALDEN S.A.	Chemicals/Chemical Produ	Valeni de Munte	Domestic Sew. S.	Valeni de Mun	9.0	80.0	0.72
4322A	4322	T.C.I. PLOIESTI	Construction	Brazi	River w/o TR	Prabova	13.0	22.0	0.29
4324A	4324	S.C. UMERVA S.A.	Transport Activities	Ploiesti	Domestic Sew. S.	Ploiesti D.S.	94.0	8.0	0.75
4325A	4325	U.M. 01899 PLOIESTI	Public Administration/Def	Ploiesti	Domestic Sew. S.	Ploiesti D.S.	61.0	15.0	0.92
4328A	4328	EDILCONST	Mining/Quarrying	Cimpina	Domestic Sew. S.	Cimpina D.S.	16.0	40.0	0.64
4329A	4329	AUTOBAZA-TELEAJEN	Land Transport	Ploiesti	Industrial Sew. S.	UBEMAR	5.3	29.5	0.16
4330A	4330	AUTOBAZA 6 CALATORI	Land Transport	Ploiesti	Domestic Sew. S.	Ploiesti D.S.	19.0	36.5	0.69
4331A	4331	INTERNATIONAL SINALA	Hotel/Restaurant	Sinala	Domestic Sew. S.	Sinala D.S.	204.7	100.0	20.47
4342A	4342	COMPLEX MUZEAL POSADA	Hotel/Restaurant	Comarnic (Posada)	River w/ TR	Prabova	17.0	100.0	1.70
4343A	4343	CONPET SECTIA SIRT	Land Transport	Ploiesti	Domestic Sew. S.	Ploiesti D.S.	11.7	4.3	0.05
4344A	4344	ANCOSTAR PLOIESTI	Furniture	Ploiesti	Domestic Sew. S.	Ploiesti D.S.	14.0	14.0	0.20
4350A	4350	AGROCOM PLOIESTI	Food/Beverage	Ploiesti	Domestic Sew. S.	Ploiesti D.S.	28.3	468.3	13.27
4358A	4358	R.A.T.C.PLOIESTI	Land Transport	Ploiesti	Domestic Sew. S.	Ploiesti D.S.	69.3	49.6	3.44
4361A	4361	ARTA METALULUI BOLDESTI	Metal Products Fabricated	Boldesti-Scaieni	Domestic Sew. S.	Boldesti D.S.	10.0	39.1	0.59
4307A	4507	CAMINUL DE BATRINI MISLEA	Health/Social Work	Scorteni	River w/ TR	Telega	61.7	27.1	1.67
4512A	4512	UBEMAR	Construction	Ploiesti	Domestic Sew. S.	Ploiesti D.S.	104.7	15.6	1.63
4515A	4515	SPITAL HEPATITA BAICOI	Health/Social Work	Baicoi	Domestic Sew. S.	Baicoi D.S.	11.0	60.3	0.66
4517A	4517	POLIGON P.S.BOLDESTI UM 0443	Public Administration/Def	Boldesti-Scaieni	River w/o TR	Telejeu	36.0	15.0	0.54
4524A	4524	LICEUL BARGANESTI	Education	Barganesti	Domestic Sew. S.	Ploiesti D.S.	18.0	50.0	0.90
4530A	4530	RULMENTI GREI	Machinery/Equipment	Ploiesti	Domestic Sew. S.	Ploiesti D.S.	233.7	10.9	2.55
4531A	4531	UZTEL	Metal Products Fabricated	Ploiesti	Industrial Sew. S.	S.C. PETROTE	305.3	39.1	11.94
4532A	4532	SALINA SLANJC	Mining/Quarrying	Slanic	River w/ TR	Slanic	15.3	8.7	0.13

Table E.1.12 Annual BOD Load from Effluent Channel of Pollutant Source (5/6)

Channel Code	Pollution Source Code	Name of Industry/Livestock Farm	Activity Type	Town Name	Discharging Type	Discharging Place	Volume (1000m ³ /Y)	BOD (mg/L)	Load (ton/Y)
4533A	4533	S.C. FLACARA S.A.	Metal Products Fabricated	Ploiesti	Domestic Sew. S.	Ploiesti D.S.	202.0	39.1	7.90
4535A	4535	STATIA SOL CHEIA	Post/Telecommunication	Maneciu (Cheia)	River w/ TR	Gropsoarele	3.0	7.9	0.02
4536A	4536	S.C.V.PRAHOVEI CIMPINA	Land Transport	Cimpina	Domestic Sew. S.	Cimpina D.S.	53.7	36.5	1.96
4538A	4538	TURNATORIA CIMPINA	Metal Products Fabricated	Cimpina	Domestic Sew. S.	Cimpina D.S.	482.3	39.1	18.86
4539A	4539	FILATURA URLATI	Textiles	Albestr-Paleologu	Domestic Sew. S.	Urlati D.S.	41.0	5.1	0.21
4541A	4541	MONTANA	Hotel/Restaurant	Sinaia	Domestic Sew. S.	Sinaia D.S.	164.7	100.0	16.47
4543A	4543	S.C.BREAZAS.A. CIMPINA	Hotel/Restaurant	Cimpina	Domestic Sew. S.	Cimpina D.S.	57.0	100.0	5.70
4544A	4544	CARADMAN	Hotel/Restaurant	Busteni	Domestic Sew. S.	Busteni D.S.	115.7	100.0	11.57
4545A	4545	PALACE	Hotel/Restaurant	Sinaia	Domestic Sew. S.	Sinaia D.S.	163.0	100.0	16.30
4546A	4546	AMPLO	Machinery/Equipment	Ploiesti	Industrial Sew. S.	S.C. ASTRA R	27.7	22.2	0.61
4547A	4547	CABLUL ROM.PLOIESTI	Basic Metals	Ploiesti	Domestic Sew. S.	Ploiesti D.S.	12.0	12.9	0.15
4548A	4548	ERMAT	Construction	Ploiesti	Industrial Sew. S.	UBEMAR	33.3	10.4	0.35
4549A	4549	BAZ.APROV.FLORESTI	Wholesale Trade/Commissi	Floresti	Domestic Sew. S.	Floresti D.S.	30.7	50.0	1.53
4550A	4550	PETROS PLOIESTI	Petroleum Refinery	Ploiesti	Domestic Sew. S.	Ploiesti D.S.	51.3	4.6	0.24
4551A	4551	SOCIETATEA COMERCIALA APASCO S.A.MA	Construction	Maneciu	River w/o TR	Teleajen	7.0	22.0	0.15
4551B	4551	SOCIETATEA COMERCIALA APASCO S.A.MA	Construction	Maneciu	River w/o TR	Teleajen	6.0	22.0	0.13
4552A	4552	F.S.H.BAICOI	Machinery/Equipment	Baicoi	Domestic Sew. S.	Baicoi D.S.	217.0	25.1	5.45
4554A	4554	ELECTROUTILAJ	Electrical Machinery/Appa	Cimpina	Domestic Sew. S.	Cimpina D.S.	205.0	972.0	199.26
4555A	4555	S.C. PETROS S.A.	Machinery/Equipment	Cimpina	Domestic Sew. S.	Cimpina D.S.	16.0	30.5	0.49
4557A	4557	FORAJ SONDE PLOIESTI	Crude Oil Extraction	Baicoi	Domestic Sew. S.	Baicoi D.S.	16.0	100.0	1.60
4558A	4558	STEROM CIMPINA	Machinery/Equipment	Cimpina	Domestic Sew. S.	Cimpina D.S.	339.7	20.1	6.83
4559A	4559	NEPTUN CIMPINA	Machinery/Equipment	Cimpina	Domestic Sew. S.	Cimpina D.S.	379.7	45.7	17.35
4560A	4560	CAMEXOP	Machinery/Equipment	Baicoi	Domestic Sew. S.	Baicoi D.S.	55.3	4.9	0.27
4561A	4561	CITRICIM CIMPINA	Textiles	Cimpina	Domestic Sew. S.	Cimpina D.S.	133.7	5.1	0.94
4563A	4563	S.C. PALITINU S.A. CIMPINA	Wholesale Trade/Commissi	Cimpina	Domestic Sew. S.	Cimpina D.S.	76.0	50.0	3.80
4564A	4564	SPTAL.BAICOI	Health/Social Work	Baicoi	Domestic Sew. S.	Baicoi D.S.	35.3	60.3	2.13
4566A	4566	GR.SC.CIMPINA	Education	Cimpina	Domestic Sew. S.	Cimpina D.S.	20.0	50.0	1.00
4566B	4566	GR.SC.CIMPINA	Education	Cimpina	River w/ TR	Prabhva	18.0	29.1	0.52
4568A	4568	U.M.1065	Public Administration/Def	Brazi (Negoiesti)	River w/ TR	Leaonul	69.7	8.4	0.59
4575A	4575	S.C. COSERTRANS.S.A.CIMPINA	Land Transport	Cimpina	Domestic Sew. S.	Cimpina D.S.	255.3	70.0	17.87
4577A	4577	S.C. AGROS SCAIENI	Livestock Farm	Boldesti-Scaieni	River w/ TR	Teleajen	25.0	284.9	7.12
4583A	4583	S.C.ELECTROMONTAJ S.A.	Machinery/Equipment	Cimpina	Domestic Sew. S.	Cimpina D.S.	7.7	22.2	0.17
4585A	4585	U.M.01958 CIUPERGEASCA	Public Administration/Def	Paulesti	River w/ TR	Prabhva	28.0	8.4	0.24
4591A	4591	SPTAL.BREAZA	Health/Social Work	Breaza	River w/ TR	Prabhva	21.0	97.0	2.04

Table E.1.12 Annual BOD Load from Effluent Channel of Pollutant Source (6/6)

Channel Code	Pollution Source Code	Name of Industry/Livestock Farm	Activity Type	Town Name	Discharging Type	Discharging Place	Volume (1000m ³ /Y)	BOD (mg/L)	Load (ton/Y)
4593A	4593	SPITAL VOILA	Health/Social Work	Cimpina	River w/ TR	Doftana	93.0	97.0	9.02
4594A	4594	SPITAL ORAS CIMPINA	Health/Social Work	Cimpina	Domestic Sew. S.	Cimpina D.S.	116.0	60.3	6.99
4598A	4598	U.M.0865 SCOALA DE IANDARMI	Public Administration/Def	Cimpina	River w/ TR	Prahova	55.5	8.4	0.47

Table E.1.13 Annual Oil Load from Effluent Channel of Pollutant Source (1/2)

Channel Code	Pollution Source Code	Name of Industry/Livestock Farm	Activity Type	Town Name	Discharging Type	Discharging Place	Volume (1000m ³ /Y)	Oil (mg/L)	Load (ton/Y)
4004B	4004	SINTERREF AZUGA	Non-Metallic Mineral Prod	Azuga	River w/ TR	Azuga	63.7	0.1	0.01
4006A	4006	BERE AZUGA	Food/Beverage	Azuga	River w/ TR	Prabhova	477.3	14.9	7.10
4007A	4007	POSTAV AZUGA	Textiles	Azuga	River w/ TR	Azuga	352.3	6.4	2.26
4009A	4009	STIAZ AZUGA	Non-Metallic Mineral Prod	Azuga	River w/ TR	Prabhova	78.7	1.6	0.12
4021A	4021	MEFIN SINAJA	Machinery/Equipment	Sinaia	Domestic Sew. S.	Sinaia D.S.	418.7	1.3	0.54
4029A	4029	HDROJET BREAZA	Machinery/Equipment	Breaza	Domestic Sew. S.	Breaza D.S.	559.7	22.3	12.48
4035A	4035	S.C.STEAUA ROMANA SA	Petroleum Refinery	Cimpina	River w/ TR	Dofnana	2621.3	4.5	11.83
4039A	4039	VICTORIA FLORESTI	Petroleum Refinery	Floresti	River w/ TR	Prabhova	4630.0	2.7	12.43
4047A	4047	F.E. PLOESTI	Electricity/Gas/Water Supp	Brazi (Fisculesti)	River w/ TR	Prabhova	8786.0	13.5	118.65
4051A	4051	S.C. PETROBRAZI S.A.	Petroleum Refinery	Ploiesti	River w/ TR	Prabhova	14779.7	19.9	294.35
4092A	4092	SPTI. I.B.C. DRAJNA	Health/Social Work	Drajna	River w/ TR		8.0	5.9	0.05
4095A	4095	STICLOVAL VALENI	Mining/Quarrying	Valeni de Munte	River w/ TR		37.0	0.3	0.01
4100B	4100	U.M. PLOPENI	Machinery/Equipment	Plopeni	River w/o TR	Teleajen	146.3	8.3	1.22
4101A	4101	GES SCAIENI	Wood	Boldesti-Scaieni	River w/ TR	Teleajen	68.3	2.1	0.14
4101B	4101	GES SCAIENI	Wood	Boldesti-Scaieni	Domestic Sew. S.	Boldesti D.S.	166.3	9.5	1.58
4102A	4102	S.C. CAHIRO S.A.	Paper/Paper Products	Boldesti-Scaieni	River w/ TR	Teleajen	472.7	0.9	0.42
4103A	4103	SOCERAM BUCOV	Construction	Bucov	River w/ TR	Teleajen	140.3	5.5	0.77
4103B	4103	SOCERAM BUCOV	Construction	Bucov	River w/ TR	Teleajen	12.7	8.8	0.11
4106A	4106	REAL PLEASA	Basic Metals	Bucov (Pleasa)	River w/ TR	Teleajen	349.7	14.1	4.93
4112A	4112	ARPACOR	Chemicals/Chemical Produ	Bucov	River w/o TR	Teleajen	108.0	5.2	0.56
4117A	4117	S.C.ROMFOSFOCHIM SA	Chemicals/Chemical Produ	Valen Calugareasca	River w/ TR	Teleajen	1700.7	1.5	2.53
4132A	4132	INTEX	Textiles	Paulesti	Domestic Sew. S.	Ploiesti D.S.	340.0	8.2	2.79
4137A	4137	S.C. VEGA S.A.	Petroleum Refinery	Berceni (Corlatesti)	River w/ TR	Dimbu	291.3	23.6	6.86
4138A	4138	PROGRESUL PLOIESTI	Rubber/Plastic Products	Ploiesti	River w/ TR	Dimbu	309.3	2.0	0.62
4140A	4140	SECTIA L6 PLOIESTI	Land Transport	Ploiesti	River w/ TR	Dimbu	5.3	13.8	0.07
4141A	4141	24 IANUARIE	Machinery/Equipment	Ploiesti	River w/o TR	Dimbu	117.3	23.1	2.71
4146A	4146	FEROEMAIL PLOIESTI	Metal Products Fabricated	Ploiesti	Domestic Sew. S.	Ploiesti D.S.	243.0	0.7	0.17
4147A	4147	DACIA PLOIESTI	Metal Products Fabricated	Ploiesti	River w/ TR	Dimbu	119.3	4.1	0.49
4148A	4148	S.C.PETROTEL SA PL.	Petroleum Refinery	Ploiesti	River w/ TR	Teleajen	8558.3	37.3	318.97
4150A	4150	MATIZOL	Construction	Berceni	River w/ TR	Teleajen	337.7	2.8	0.95
4156A	4156	UZUC PLOIESTI	Machinery/Equipment	Ploiesti	River w/ TR	Lazul Monlor T	242.7	3.2	0.78
4158A	4158	S.C. ASTRA ROMANA SA	Petroleum Refinery	Berceni (Corlatesti)	River w/ TR	Ploiesti D.S.	7063.7	30.0	211.93
4292A	4292	S.C. PETROUTLAJ S.A	Machinery/Equipment	Cimpina	River w/ TR	Prabhova	97.0	6.8	0.66
4292C	4292	S.C. PETROUTLAJ S.A	Machinery/Equipment	Cimpina	River w/ TR	Prabhova	155.0	9.0	1.40

Table E.1.13 Annual Oil Load from Effluent Channel of Pollutant Source (2/2)

Channel Code	Pollution Source Code	Name of Industry/Livestock Farm	Activity Type	Town Name	Discharging Type	Discharging Place	Volume (1000m ³ /Y)	Oil (mg/L)	Load (ton/Y)
4315B	4315	ATLAS GIP PLOESTI	Petroeun Refinery	Ploiesti	Domestic Sew. S.	Ploiesti D.S.	29.3	1.7	0.05
4318A	4318	PRAHOVEANA PLOESTI	Tanning/Dressing Leather	Ploiesti	Domestic Sew. S.	Ploiesti D.S.	53.0	53.1	2.82
4320A	4320	FORADEX SCAIENI	Furniture	Boldesti-Scaieni	Domestic Sew. S.	Boldesti D.S.	42.7	1.5	0.06
4324A	4324	S.C. UMERVA S.A.	Transport Activities	Ploiesti	Domestic Sew. S.	Ploiesti D.S.	94.0	0.0	0.00
4358A	4358	R.A.T.C.PLOESTI	Land Transport	Ploiesti	Domestic Sew. S.	Ploiesti D.S.	69.3	2.5	0.17
4512A	4512	UBEMAR	Construction	Ploiesti	Domestic Sew. S.	Ploiesti D.S.	104.7	0.0	0.00
4517A	4517	POLIGON P.S.I.BOLDESTI UM 0443	Public Administration/Def	Boldesti-Scaieni	River w/o TR	Teleajen	36.0	3.1	0.11
4530A	4530	RULMENTI GREI	Machinery/Equipment	Ploiesti	Domestic Sew. S.	Ploiesti D.S.	233.7	4.0	0.93
4532A	4532	SALINA SLANIC	Mining/Quarrying	Slanic	River w/ TR	Slanic	15.3	0.0	0.00
4552A	4552	F.S.H.BAICOI	Machinery/Equipment	Baicoi	Domestic Sew. S.	Baicoi D.S.	217.0	7.4	1.61
4558A	4558	STEROM CAMPINA	Machinery/Equipment	Cimpina	Domestic Sew. S.	Cimpina D.S.	339.7	2.0	0.68
4559A	4559	NEPTUN CAMPINA	Machinery/Equipment	Cimpina	Domestic Sew. S.	Cimpina D.S.	379.7	6.8	2.59
4560A	4560	CAMEXP	Machinery/Equipment	Baicoi	Domestic Sew. S.	Baicoi D.S.	55.3	24.0	1.33

Table E.2.1 Existing Average Wastewater Effluent Quantity and Quality of Selected Factories (1/2)

Code	Name of factory	Q. l/s		pH		SS (mg/l)		BOD(mg/l)		COD Mlt (mg/l)		OIL (mg/l)		Phenol (mg/l)		SO ₄ (mg/l)	
		actual	permit	actual	permit	actual	permit	actual	permit	actual	permit	actual	permit	actual	permit	actual	permit
	National Standard			6.5-8.5		60(300)	20(300)	40(C)	5(20)	0.05(30)							(400)
4006	BERE AZUGA	15.1	22.0	7.3	6.5-8.5	129.7	60	32.3	20	18.0	40	14.9	1				67.7
4007	POSTAV AZUGA	11.2	30.4	7.4	6.5-8.5	22.7	33	54.1	20	29.9		6.4	1				
4010	SPITALUL AZUGA	1.4	1.8	8.9	6.5-8.5	121	100	98.3	60	78.2							
4014	HARTIA BUSTENI	114.6	551.0	7.8	6.5-8.5	67.8	60	12.4	4	9.5							
4035	S.C.STEAU ROMANA SA	83.1	137.0	7.9	6.5-8.5	109.1	30	46.9	60	26.5		3	8	0.4	0.04		
4051	S.C.PETROBRAZI S.A.	468.7	2028.0	7.0	6.5-8.5	199.3	100	99.0	50	61.5	140	19.9	7	0.35	0.6	221.6	150
4102	S.C. CAIRO S.A.	15.0	179.0	7.4	6.5-8.5	173.1	50	25.1	28	94.1	Cr 40	0.9				168.4	
4124	S.C.DERO LEVER PLOIESTI	15.0	41.2	7.0	6.5-8.5	61.0	180	80.0	100	60.0	30		0				
4137	S.C. VEGA S.A.	9.0	105.0	7.5	6.5-8.5	120.1	160	51.3	175	94.2	Cr 100	23.6	200	0.176	0.5	126.8	700
4138	PROGRESUL PLOIESTI	9.8	30.4	8.4	6.5-8.5	61.0	200	6.3		1.3		2.0					
4143	I.N.C.A.F. PLOIESTI	6.3	6.9	7.7	6.5-8.5	778.5	100	632.0	60	317.3	30	10.4	5				
4146	FEROEMAIL PLOIESTI	7.7	18.9	7.7	6.5-8.5	118.0	100	62.2	100	26.4	30	0.7	0				
4148	PLOIESTI	271.4	568.2	7.6	6.5-8.5	158.7	40	58.7	25	65	Cr 100	37.3	8	0.631	0.1	235	
4150	MATIZOL	11.0	35.0	7.8	6.5-8.5	127.5	100	35.4	40	19.9		4.3		0.012			
4158	S.C.ASTRA ROMANA SA	244.0	300.9	7.5	6.5-8.5	164.3	60	100.6	20	97.7	40	30	5	0.459	0.05	243.2	
4311	COCA COLA PLOIESTI	7.0	19.7	7.4	6.5-8.5	133.5	180	304.5	250	94.2						114	
4318	PRAHOVEANA PLOIESTI	1.7	4.6	7.8	6.5-8.5	1193	150	62.8	100	112.7	30	53.1	0			1898.3	
4554	ELECTROUTILAI	6.5	6.9	7.4	6.5-8.5	100.9	300	972.0	250	132.0	500	3.0	30	0.08			
4559	NEPTUN CAMPINA	12.0	15.0	8.4	6.5-8.5	22.4	60	45.7	60	165.0	100	6.8	2				
4575	I.R.A. CAMPINA	8.1	7.7	8.0	6.5-8.5	124	150	70.0	100	29.3	Cr 200	5.0					

Note: National Standard : Figures without parentheses are discharge for river, while those with parentheses are for domestic sewerage

Table E.2.1 Existing Average Wastewater Effluent Quantity and Quality of Selected Factories (2/2)

Code	National Standard	Name of factory	T-Cr (mg/l)		Cd (mg/l)		CN (mg/l)		Hg (mg/l)		Pb (mg/l)		Ni (mg/l)		Zn (mg/l)		Fe (mg/l)		
			actual	permit	actual	permit	actual	permit	actual	permit	actual	permit	actual	permit	actual	permit	actual	permit	actual
4006		BERE AZUGA																	
4007		POSTAV AZUGA																	
4010		SPITALUL AZUGA																	
4014		HARTIA BUSTENI																	
4035		S.C.STEAUA ROMANA SA																	
4051		S.C. PETROBRAZI S.A.			0.03														
4102		S.C. CAHIRO S.A.																	
4124		S.C.DERO LEVER PLOIESTI								1.0									
4137		S.C. VEGA S.A.																	
4138		PROGRESUL PLOIESTI	-		-		0								0.01				
4143		LN.C.A.F. PLOIESTI																	
4146		FEROEMAIL PLOIESTI																	
4148		PLOIESTI																	
4150		MAITZOL			0.001		0.024								0				
4158		S.C.ASTRA ROMANA SA					0												
4311		COCA COLA PLOIESTI	-		-		-								0.01				1.16
4318		PRAHOVEANA PLOIESTI	0.44	0.5	0.001		0.072												
4554		ELECTROUTILAJ	0.128		0.024		0.686			0.1		0.1							0.1
4559		NEPTUN CAMPINA	0	0	0.004		0	0.001		0.1		0.1							0.1
4575		I.R.A. CAMPINA	0.004	0	0.006		0		0.02	0.02	0.01	0.05	0.08	0.1	0.1	0.1	0.51		

Note: National Standard. Figures without parentheses are discharge for river, while those with parentheses are for domestic sewerage

Table E.3.1 Future Wastewater Effluent of Factories and Livestock Farms (1/5)

Channel Code	Source Code	Name of Factory/Livestock Farm	Activity Type	Discharge Type	Present			Year 2015			Treat- met Type
					Annual Flow Rate (1000m ³ /Y)	BOD (mg/l)	BOD Load (ton/Y)	Annual Flow Rate (1000m ³ /Y)	BOD (mg/l)	BOD Load (ton/Y)	
4003A	4003	SPITALUL FILIP TIĞ	Health/Social Work	River w/o TR	8.5	200.0	1.70	14.3	200.0	2.86	W/O
4005A	4005	SCOALA AJUTATOARE FILIP ESTII DE TIRG	Education	River w/o TR	4.7	50.0	0.23	7.8	50.0	0.39	W/O
4100B	4100	U.M. PLOPENI	Machinery/Equipment	River w/o TR	146.3	16.8	2.46	245.8	16.8	4.13	W/O
4112A	4112	APPACOR	Chemicals/Chemical	River w/o TR	108.0	8.9	0.96	181.4	8.9	1.62	W/O
4136B	4136	S.C. VINALCOOL S.A. PRAHOVA	Food/Beverage	River w/o TR	79.3	31.2	2.48	133.3	31.2	4.16	W/O
4141A	4141	24 IANUARIE	Machinery/Equipment	River w/o TR	117.3	8.2	0.96	197.1	8.2	1.61	W/O
4305B	4305	INDUSTRIE MICA MOARA DE MOZAIK	Mining/Quarrying	River w/o TR	0.0	20.0	0.00	0.0	20.0	0.00	W/O
4322A	4322	T.C.I. PLOIESTI	Construction	River w/o TR	13.0	22.0	0.29	21.8	22.0	0.48	W/O
4517A	4517	POLIGON P.S.I.BOLDESTI UM 0443	Public	River w/o TR	36.0	15.0	0.54	60.5	15.0	0.91	W/O
4551A	4551	SOCIETATEA COMERCIALA APASCO	Construction	River w/o TR	7.0	22.0	0.15	11.8	22.0	0.26	W/O
4551B	4551	SOCIETATEA COMERCIALA APASCO	Construction	River w/o TR	6.0	22.0	0.13	10.1	22.0	0.22	W/O
4004B	4004	SINTERREF AZUGA	Non-Metallic Mineral	River w/ TR	63.7	6.5	0.41	107.0	10.4	1.11	CO
4006A	4006	BERE AZUGA	Food/Beverage	River w/ TR	477.3	32.3	15.43	801.9	51.7	41.47	AS
4007A	4007	POSTAV AZUGA	Textiles	River w/ TR	352.3	54.1	19.05	591.9	86.5	51.22	AS
4009A	4009	STIAZ AZUGA	Non-Metallic Mineral	River w/ TR	78.7	8.8	0.70	132.2	14.2	1.87	CO
4010A	4010	SPITALUL AZUGA	Health/Social Work	River w/ TR	43.0	98.3	4.22	72.2	157.2	11.36	AS
4012A	4012	ANATORIU T.B.C. BUSTENI	Public	River w/ TR	89.0	8.4	0.75	149.5	13.4	2.01	AS
4014A	4014	HARTIA BUSTENI	Paper/Paper Products	River w/ TR	3615.3	12.4	44.89	6073.8	19.9	120.66	AS
4016A	4016	CERBUL SINAIA	Hotel/Restaurant	River w/ TR	25.0	100.0	2.50	52.0	190.0	9.88	AS
4017A	4017	S.E.P.P.L. CIMPINA	Wood	River w/ TR	68.0	139.8	9.51	114.2	223.7	25.55	CO
4019A	4019	S.C. ALPIN S.A. COTA 1400	Hotel/Restaurant	River w/ TR	31.7	100.0	3.17	65.9	190.0	12.51	AS
4025A	4025	SEPL PLOIESTI SEC. COMARNIC	Wood	River w/ TR	18.0	139.8	2.52	30.2	223.7	6.76	CO
4033A	4033	S.C. CONCORDIA S.A.	Electrical	River w/ TR	48.3	972.0	46.98	81.2	1555.2	126.28	CO
4035A	4035	S.C. STEAUA ROMANA SA	Petroleum Refinery	River w/ TR	2621.3	46.9	122.94	4403.8	75.0	330.18	AS
4039A	4039	VICTORIA FLORESTI	Petroleum Refinery	River w/ TR	4630.0	12.3	56.74	7778.4	19.6	152.52	AS
4042A	4042	AVICOLA PLOIESTI-Blejoii Farm	Livestock Farm	River w/ TR	70.0	767.0	53.69	70.0	767.0	53.69	AS
4047A	4047	F.E. PLOIESTI	Electricity/Gas/Water	River w/ TR	8786.0	15.9	139.73	14760.5	25.4	375.59	CO
4051A	4051	S.C. PETROBRAZI S.A.	Petroleum Refinery	River w/ TR	14779.7	98.0	1462.86	24829.8	158.4	3932.17	AS
4053A	4053	S.C. SERPLO S.A. PLOIESTI	Irrigation (Flowers)	River w/ TR	41.3	10.0	0.41	41.3	10.0	0.41	AS
4071A	4071	S.C. AGRUMEC CIORANI S.A.	Agricultural Activities	River w/ TR	6.0	10.0	0.06	6.0	10.0	0.06	AS
4075A	4075	PENITENCIARUL TG.NOU	Public	River w/ TR	25.7	8.4	0.22	43.1	13.4	0.58	AS
4076A	4076	U.M. 01991 TG. NOU	Public	River w/ TR	18.7	8.4	0.16	31.4	13.4	0.42	AS
4082A	4082	COMPORSA STANCESTI	Livestock Farm	River w/ TR	211.0	1249.0	263.54	211.0	1249.0	263.54	AS
4087A	4087	U.M. 01035 CHEIA	Public	River w/ TR	7.7	8.4	0.06	12.9	13.4	0.17	AS
4089A	4089	S.E.P.P.L. MANECIU	Wood	River w/ TR	21.0	267.6	5.62	35.3	428.2	15.11	CO
4091A	4091	S.C. CHIMFOREX BUGOV	Petroleum Refinery	River w/ TR	27.7	60.0	1.66	46.5	96.0	4.46	AS
4092A	4092	SPIT. T.B.C. DRAJINA	Health/Social Work	River w/ TR	8.0	165.7	1.33	13.4	265.1	3.56	AS
4095A	4095	STIGLOVAL VALENI	Mining/Quarrying	River w/ TR	37.0	11.6	0.43	62.2	18.5	1.15	CO
4098A	4098	AGROMEC MAGURELE	Agricultural Activities	River w/ TR	6.3	10.0	0.06	6.3	10.0	0.06	AS
4101A	4101	GES SCAIENI	Wood	River w/ TR	68.3	12.1	0.83	114.8	19.3	2.22	CO
4102A	4102	S.C. CAHIRO S.A.	Paper/Paper Products	River w/ TR	472.7	25.1	11.85	794.1	40.1	31.84	AS

Table E.3.1 Future Wastewater Effluent of Factories and Livestock Farms (2/5)

Channel Code	Source Code	Name of Factory/Livestock Farm	Activity Type	Discharge Type	Present			Year 2015			Treat-ment Type
					Annual Flow Rate (1000m ³ /Y)	BOD (mg/l)	BOD Load (ton/Y)	Annual Flow Rate (1000m ³ /Y)	BOD (mg/l)	BOD Load (ton/Y)	
4103A	4103	SOCERAM BUCOV	Construction	River w/ TR	140.3	8.6	1.21	235.8	13.8	3.24	AS
4103B	4103	SOCERAM BUCOV	Construction	River w/ TR	12.7	11.4	0.14	21.3	18.2	0.39	AS
4106A	4106	REAL PLEASA	Basic Metals	River w/ TR	349.7	12.9	4.52	587.4	20.7	12.16	CO
4115A	4115	I.C.V.VALEA CALUGAREASCA	Food/Beverage	River w/ TR	26.7	30.1	0.80	44.8	48.2	2.16	AS
4117A	4117	S.C.ROMFOCHIM SA	Chemicals/Chemical	River w/ TR	1700.7	60.0	102.11	0.0	0.0	0.00	CO
4137A	4137	S.C. VEGA SA.	Petroleum Refinery	River w/ TR	291.3	51.3	14.94	489.4	82.0	40.15	AS
4138A	4138	PROGRESUL PLOIESTI	Rubber/Plastic Products	River w/ TR	309.3	3.7	1.15	519.7	5.9	3.08	CO
4139B	4139	EXTRAPAN SEDIU	Food/Beverage	River w/ TR	25.7	31.2	0.80	43.1	49.9	2.15	AS
4140A	4140	SECTIA L6 PLOIESTI	Food/Beverage	River w/ TR	5.3	224.0	1.19	9.0	358.4	3.21	CO
4147A	4147	DACIA PLOIESTI	Metal Products Fabricated	River w/ TR	119.3	5.0	0.80	200.5	8.1	1.62	CO
4148A	4148	S.C.PETROTEL SA PL	Petroleum Refinery	River w/ TR	8558.3	58.7	502.11	14378.0	93.9	1349.88	AS
4149B	4149	PETROTRANS PLOIESTI	Petroleum Refinery	River w/ TR	29.7	51.7	1.83	49.8	82.7	4.12	AS
4150A	4150	MATIZOL	Construction	River w/ TR	337.7	35.5	11.97	567.3	56.7	32.18	AS
4151A	4151	U.M. 01959 BERCEANI	Public	River w/ TR	9.0	8.4	0.08	15.1	13.4	0.20	AS
4158A	4158	S.C. ASTRA ROMANA SA	Petroleum Refinery	River w/ TR	7083.7	100.6	710.59	11867.0	161.0	1910.07	AS
4160B	4160	UPETROM PLOIESTI	Machinery/Equipment	River w/ TR	670.7	23.8	15.96	1126.7	38.1	42.91	CO
4166A	4166	MANASTIREA SUZANA	Education	River w/ TR	4.0	29.1	0.12	6.7	46.6	0.31	AS
4209A	4209	PREFABRICATE BLEJOI	Construction	River w/ TR	30.7	22.0	0.67	51.5	35.2	1.81	AS
4211A	4211	U.M. VALENI DE MUNTE-SECTIA IZVOARE	Machinery/Equipment	River w/ TR	91.0	23.8	2.17	152.9	38.1	5.82	CO
4213A	4213	VULTURUL COMARNIC	Non-Metallic Mineral	River w/ TR	48.3	3.5	0.17	81.2	5.6	0.45	CO
4218A	4218	CABANA C.DORULUI	Hotel/Restaurant	River w/ TR	3.3	100.0	0.33	6.9	190.0	1.32	AS
4223A	4223	CONSERVE MAGURELE	Food/Beverage	River w/ TR	300.0	31.2	9.36	504.0	49.9	25.16	AS
4239A	4239	SECTIA EXTERIOARA CIORANI	Health/Social Work	River w/ TR	4.0	97.0	0.39	6.7	155.2	1.04	AS
4257A	4257	U.M.01532	Public	River w/ TR	2.0	8.4	0.02	3.4	13.4	0.05	AS
4270A	4270	S.C. AGROINDUSTRIALA CERES SA.	Livestock Farm	River w/ TR	30.7	767.0	23.52	30.7	767.0	23.52	AS
4273A	4273	COPILEX BRAZI	Livestock Farm	River w/ TR	72.0	767.0	55.22	72.0	767.0	55.22	AS
4292A	4292	S.C. PETROUTILAJ SA	Machinery/Equipment	River w/ TR	97.0	23.8	2.31	163.0	38.1	6.21	CO
4292C	4292	S.C. PETROUTILAJ SA	Machinery/Equipment	River w/ TR	155.0	23.8	3.69	260.4	38.1	9.92	CO
4298A	4298	UNIT. TERR. 440	Public	River w/ TR	6.0	7.0	0.04	10.1	11.2	0.11	AS
4310A	4310	U.M.01562	Public	River w/ TR	4.0	8.4	0.03	6.7	13.4	0.09	AS
4316A	4316	U.M. 01819	Public	River w/ TR	84.7	9.9	0.84	142.2	15.8	2.25	AS
4342A	4342	COMPLEX MUZEAL POSADA	Hotel/Restaurant	River w/ TR	17.0	100.0	1.70	35.4	190.0	6.72	AS
4507A	4507	CAMINUL DE BATRINI MISLEA	Health/Social Work	River w/ TR	61.7	27.1	1.67	103.6	43.3	4.49	AS
4532A	4532	SALINA SLANIC	Mining/Quarrying	River w/ TR	15.3	8.7	0.13	25.8	13.9	0.36	CO
4535A	4535	STATIA SOL CHEIA	Post/Telecommunication	River w/ TR	3.0	7.9	0.02	5.0	12.6	0.06	AS
4566B	4566	GR.SC.GIMPINA	Education	River w/ TR	18.0	29.1	0.52	30.2	46.6	1.41	AS
4568A	4568	U.M.1065	Public	River w/ TR	69.7	8.4	0.59	117.0	13.4	1.57	AS
4577A	4577	S.C. AGROS SCAIENI	Livestock Farm	River w/ TR	25.0	284.9	7.12	25.0	284.9	7.12	AS
4585A	4585	U.M. 01958 CIUPERCEASCA	Public	River w/ TR	28.0	8.4	0.24	47.0	13.4	0.63	AS
4591A	4591	SPITAL BREAZA	Health/Social Work	River w/ TR	21.0	97.0	2.04	35.3	155.2	5.48	AS
4593A	4593	SPITAL VOILA	Health/Social Work	River w/ TR	93.0	97.0	9.02	156.2	155.2	24.25	AS

Table E.3.1 Future Wastewater Effluent of Factories and Livestock Farms (3/5)

Channel Code	Source	Name of Factory/Livestock Farm	Activity Type	Discharge Type	Present				Year 2015				Treat-ment Type	
					Annual Flow Rate (1000m ³ /Y)	BOD (mg/l)	BOD Load (ton/Y)	Annual Flow Rate (1000m ³ /Y)	BOD (mg/l)	BOD Load (ton/Y)	Annual Flow Rate (1000m ³ /Y)	BOD (mg/l)		BOD Load (ton/Y)
4398A	4398	U.M.0865 SCOALA DE JANDARMI	Public	Domestic Sew.	55.5	8.4	0.47	93.2	13.4	1.25	9190.5	AS		
		Sub-total of Discharge to River			58268.7	3774.8		94750.7						
4004A	4004	SINTEREF AZUGA	Non-Metallic Mineral	Domestic Sew.	16.3	6.3	0.10	27.4	10.1	0.28	9190.5	CO		
4020A	4020	SALSI SINAIA	Food/Beverage	Domestic Sew.	116.0	488.3	54.32	194.9	749.3	146.02	9190.5	AS		
4021A	4021	MEFIN SINAIA	Machinery/Equipment	Domestic Sew.	418.7	15.2	6.36	703.4	24.3	17.11	9190.5	CO		
4029A	4029	HIDROJET BREAZA	Machinery/Equipment	Domestic Sew.	559.7	35.0	19.59	940.2	56.0	52.65	9190.5	CO		
4030A	4030	U.M.02525 BREAZA	Public	Domestic Sew.	51.7	200.0	10.33	86.8	200.0	17.36	9190.5	W/O		
4037A	4037	SP. BAICOI	Crude Oil Extraction	Domestic Sew.	60.0	100.0	6.00	100.8	160.0	16.13	9190.5	CO		
4038B	4039	VICTORIA FLORESTI	Petroleum Refinery	Domestic Sew.	120.0	4.6	0.55	201.6	7.4	1.48	9190.5	AS		
4094A	4094	PROLA-PLOIESTI	Food/Beverage	Domestic Sew.	204.3	488.3	95.69	343.3	749.3	257.21	9190.5	AS		
4098B	4089	SCHELA BOLDESTI	Crude Oil Extraction	Domestic Sew.	102.0	100.0	10.20	171.4	160.0	27.42	9190.5	CO		
4100A	4100	U.M. PLOPENI	Machinery/Equipment	Domestic Sew.	1510.3	20.3	30.66	2537.4	32.5	82.41	9190.5	CO		
4101B	4101	GES SCAIENI	Wood	Domestic Sew.	166.3	31.7	5.28	279.4	50.8	14.19	9190.5	CO		
4124A	4124	S.C. DERO LEVER PLOIESTI	Chemicals/Chemical	Domestic Sew.	474.3	80.0	37.95	796.9	128.0	102.00	9190.5	CO		
4132A	4132	INTEX	Textiles	Domestic Sew.	340.0	5.1	1.73	571.2	8.2	4.66	9190.5	AS		
4133A	4133	STATIA PECO 2,KM6	Petroleum Refinery	Domestic Sew.	99.0	4.6	0.46	166.3	7.4	1.22	9190.5	AS		
4136A	4136	S.C. VINALCOOL SA PRAHOVA	Food/Beverage	Domestic Sew.	66.0	488.3	30.91	110.9	749.3	83.08	9190.5	AS		
4139A	4139	EXTRAPAN SEDIU	Food/Beverage	Domestic Sew.	34.7	488.3	16.23	58.2	749.3	43.64	9190.5	AS		
4142A	4142	PROGRESUL SECTIA PIGMENTI	Rubber/Plastic Products	Domestic Sew.	30.0	6.5	0.20	50.4	10.4	0.52	9190.5	CO		
4143B	4143	I.N.C.A.F. PLOIESTI	Food/Beverage	Domestic Sew.	195.0	632.0	123.24	327.6	1011.2	331.27	9190.5	AS		
4144A	4144	S.C. CIPROM MECTA	Construction	Domestic Sew.	155.7	4.3	0.67	261.5	6.9	1.80	9190.5	AS		
4146A	4146	FEROEMAIL PLOIESTI	Metal Products Fabricated	Domestic Sew.	243.0	62.2	15.11	408.2	99.5	40.60	9190.5	CO		
4149A	4149	PETROTRANS PLOIESTI	Petroleum Refinery	Domestic Sew.	71.0	4.6	0.33	119.3	7.4	0.88	9190.5	AS		
4153A	4153	DOROBANTUL PLOIESTI	Textiles	Domestic Sew.	1069.7	5.1	5.46	1797.0	8.2	14.66	9190.5	AS		
4155A	4155	DEPOULC.F.R.-SEDIU	Land Transport	Domestic Sew.	228.3	36.5	8.33	383.6	58.4	22.40	9190.5	CO		
4156A	4156	UZUC PLOIESTI	Machinery/Equipment	Domestic Sew.	242.7	13.8	3.36	407.7	22.1	9.02	9190.5	CO		
4159A	4159	FORADEX PLOIESTI	Furniture	Domestic Sew.	20.3	14.0	0.28	34.2	22.4	0.77	9190.5	CO		
4160A	4160	UPETROM PLOIESTI	Machinery/Equipment	Domestic Sew.	427.0	22.2	9.48	717.4	35.5	25.48	9190.5	CO		
4168A	4168	AUTOBAZA 1 PLOIESTI	Land Transport	Domestic Sew.	22.0	36.5	0.80	37.0	58.4	2.16	9190.5	CO		
4170A	4170	HIPODROM PLOIESTI	Recreational/Cultural/Spo	Domestic Sew.	7.3	200.0	1.47	12.3	200.0	2.46	9190.5	W/O		
4195A	4195	PROGRESUL SECTIA OXIGEN	Rubber/Plastic Products	Domestic Sew.	51.0	6.5	0.33	85.7	10.4	0.89	9190.5	CO		
4217A	4217	VIDELMAR SEDIU	Food/Beverage	Domestic Sew.	38.5	468.3	18.03	64.7	749.3	48.46	9190.5	AS		
4221A	4221	CIPROM VEST	Construction	Domestic Sew.	20.7	10.4	0.21	34.7	16.6	0.58	9190.5	AS		
4225A	4225	TABERE SUZANA	Education	Domestic Sew.	31.3	50.0	1.57	52.6	50.0	2.63	9190.5	W/O		
4292B	4292	S.C. PETROUTILAJ SA	Machinery/Equipment	Domestic Sew.	36.0	22.2	0.80	60.5	35.5	2.15	9190.5	CO		
4305A	4305	INDUSTRIE MICA MOARA DE MOZAIC	Mining/Quarrying	Domestic Sew.	0.0	40.0	0.00	0.0	64.0	0.00	9190.5	CO		
4307A	4307	TRANSPORT VALENI DE MUNTE	Land Transport	Domestic Sew.	11.0	29.0	0.32	18.5	46.4	0.86	9190.5	CO		
4308A	4308	SOCIETATEA COMERCIALA ANTECO S.A.	Furniture	Domestic Sew.	24.7	14.0	0.35	41.4	22.4	0.93	9190.5	CO		
4311A	4311	COCA COLA PLOIESTI	Food/Beverage	Domestic Sew.	220.0	304.5	66.99	369.6	487.2	180.07	9190.5	AS		
4314A	4314	TROMET	Metal Products Fabricated	Domestic Sew.	48.3	16.1	0.78	81.2	25.7	2.09	9190.5	CO		
4315B	4315	ATLAS GIP PLOIESTI	Petroleum Refinery	Domestic Sew.	29.3	4.6	0.13	49.3	7.4	0.36	9190.5	CO		
4319A	4318	PRAHOVEANA PLOIESTI	Tanning/Dressing Leather	Domestic Sew.	53.0	62.8	3.33	89.0	100.4	8.94	9190.5	CO		

Table E.3.1 Future Wastewater Effluent of Factories and Livestock Farms (4/5)

Channel Code	Source Code	Name of Factory/Livestock Farm	Activity Type	Present				Year 2015				Treat- met Type
				Discharge Type (1000m ³ /Y)	Annual Flow Rate (1000m ³ /Y)	BOD (mg/l)	BOD Load (ton/Y)	Annual Flow Rate (1000m ³ /Y)	BOD (mg/l)	BOD Load (ton/Y)		
4319A	4319	BASTI PLOIESTI	Non-Metallic Mineral	Domestic Sew.	17.3	6.3	0.11	29.1	6.3	0.18	W/O	
4320A	4320	FORADEX SCAIENI	Furniture	Domestic Sew.	42.7	14.0	0.60	71.7	14.0	1.01	W/O	
4321A	4321	S.C. VALDEN S.A.	Chemicals/Chemical	Domestic Sew.	9.0	80.0	0.72	15.1	128.0	1.94	CO	
4324A	4324	S.C. UMERVA S.A.	Transport Activities	Domestic Sew.	94.0	8.0	0.75	157.9	12.7	2.01	CO	
4325A	4325	U.M. 01899 PLOIESTI	Public	Domestic Sew.	61.0	15.0	0.92	102.5	15.0	1.54	W/O	
4328A	4328	EDILCONST	Mining/Quarrying	Domestic Sew.	16.0	40.0	0.64	26.9	64.0	1.72	CO	
4330A	4330	AUTOBAZA 6 CALATORI	Land Transport	Domestic Sew.	19.0	36.5	0.69	31.9	58.4	1.86	CO	
4331A	4331	INTERNATIONAL SINAIA	Hotel/Restaurant	Domestic Sew.	204.7	100.0	20.47	425.7	190.0	80.88	AS	
4343A	4343	CONPET SECTIA SIRT	Land Transport	Domestic Sew.	11.7	4.3	0.05	19.6	6.9	0.13	CO	
4344A	4344	ANCOSTAR PLOIESTI	Furniture	Domestic Sew.	14.0	14.0	0.20	23.5	22.4	0.53	CO	
4350A	4350	AGROCOM PLOIESTI	Food/Beverage	Domestic Sew.	28.3	468.3	13.27	47.6	749.3	35.67	CO	
4358A	4358	R.A.T.C.PLOIESTI	Land Transport	Domestic Sew.	69.3	49.6	3.44	116.5	79.3	9.24	CO	
4361A	4361	ARTA METALULUI BOLDESTI	Metal Products Fabricated	Domestic Sew.	10.0	39.1	0.39	16.8	39.1	0.66	W/O	
4512A	4512	UBEMAR	Construction	Domestic Sew.	104.7	15.6	1.63	175.8	25.0	4.39	AS	
4515A	4515	SPITAL HEPATITA BAICOI	Health/Social Work	Domestic Sew.	11.0	60.3	0.66	18.5	96.5	1.78	AS	
4524A	4524	LICEUL BARGANESTI	Education	Domestic Sew.	18.0	50.0	0.90	30.2	50.0	1.51	W/O	
4530A	4530	RULMENTI GREI	Machinery/Equipment	Domestic Sew.	233.7	10.9	2.55	392.6	17.5	6.86	CO	
4533A	4533	S.C. FLACARA S.A.	Metal Products Fabricated	Domestic Sew.	202.0	39.1	7.90	339.4	62.6	21.23	CO	
4536A	4536	S.C.V.PRAHOVEI CIMPINA	Land Transport	Domestic Sew.	53.7	36.5	1.96	90.2	58.4	5.27	CO	
4538A	4538	TURNATORIA CAMPINA	Metal Products Fabricated	Domestic Sew.	482.3	39.1	18.86	810.3	62.6	50.69	CO	
4539A	4539	FILATURA URLATI	Textiles	Domestic Sew.	41.0	5.1	0.21	68.9	8.2	0.56	AS	
4541A	4541	MONTANA	Hotel/Restaurant	Domestic Sew.	164.7	100.0	16.47	342.5	190.0	65.08	AS	
4543A	4543	S.C.BREAZASA. CIMPINA	Hotel/Restaurant	Domestic Sew.	57.0	100.0	5.70	118.6	190.0	22.93	AS	
4544A	4544	CARAIMAN	Hotel/Restaurant	Domestic Sew.	115.7	100.0	11.57	240.6	190.0	45.71	AS	
4545A	4545	PALACE	Hotel/Restaurant	Domestic Sew.	163.0	100.0	16.30	339.0	190.0	64.42	AS	
4547A	4547	CABLUL ROM.PLOIESTI	Basic Metals	Domestic Sew.	12.0	12.9	0.15	20.2	20.6	0.42	CO	
4549A	4549	BAZAPROV.FLORESTI	Wholesale	Domestic Sew.	30.7	50.0	1.53	51.5	80.0	4.12	AS	
4550A	4550	PETROS PLOIESTI	Petroleum Refinery	Domestic Sew.	51.3	4.6	0.24	86.2	4.6	0.40	W/O	
4552A	4552	F.SH.BAICOI	Machinery/Equipment	Domestic Sew.	217.0	25.1	5.45	364.6	40.2	14.64	CO	
4554A	4554	ELECTROUTILAJ	Electrical	Domestic Sew.	205.0	972.0	199.26	344.4	1555.2	535.61	CO	
4555A	4555	S.C. PETROS S.A.	Machinery/Equipment	Domestic Sew.	16.0	30.5	0.49	26.9	48.8	1.31	CO	
4557A	4557	FORAJ SONDE PLOIESTI	Crude Oil Extraction	Domestic Sew.	16.0	100.0	1.60	26.9	160.0	4.30	CO	
4558A	4558	STEROM CAMPINA	Machinery/Equipment	Domestic Sew.	339.7	20.1	6.83	570.6	32.2	18.35	CO	
4559A	4559	NEPTUN CAMPINA	Machinery/Equipment	Domestic Sew.	379.7	45.7	17.35	637.8	73.1	46.63	CO	
4560A	4560	GAMEXIP	Machinery/Equipment	Domestic Sew.	55.3	4.9	0.27	93.0	7.9	0.73	CO	
4561A	4561	CITRICIM CAMPINA	Textiles	Domestic Sew.	183.7	5.1	0.94	308.6	8.2	2.52	AS	
4563A	4563	S.C.PALTINU S.A. CIMPINA	Wholesale	Domestic Sew.	76.0	50.0	3.80	127.7	80.0	10.21	AS	
4584A	4584	SPITAL BAICOI	Health/Social Work	Domestic Sew.	35.3	60.3	2.13	59.4	96.5	5.73	AS	
4586A	4586	GR.SC.CIMPINA	Education	Domestic Sew.	20.0	50.0	1.00	33.6	50.0	1.68	W/O	
4575A	4575	S.C. COSERTRANS S.A.CIMPINA	Land Transport	Domestic Sew.	255.3	70.0	17.87	429.0	112.0	48.04	CO	
4583A	4583	S.C.ELECTROMONTAJ S.A.	Machinery/Equipment	Domestic Sew.	7.7	22.2	0.17	12.9	35.5	0.46	CO	

Table E.3.1 Future Wastewater Effluent of Factories and Livestock Farms (5/5)

Channel Source Code	Name of Factory/Livestock Farm	Activity Type	Discharge Type	Year 2015				Treat-ment Type		
				Present Annual Flow Rate (1000m ³ /Y)	BOD (mg/l)	BOD Load (ton/Y)	Annual Flow Rate (1000m ³ /Y)		BOD (mg/l)	BOD Load (ton/Y)
4594A	SPITAL ORAS CIMPINA	Health/ Social Work	Domestic Sew.	116.0	80.3	6.99	194.9	96.5	18.80	AS
	Sub-total of Discharge to Domestic Sewer			11875.5		980.9	20232.8		2708.2	
4137B	S.C. VEGA S.A.	Petroleum Refinery	Industrial Sew.	1230.3	149.6	184.06	2067.0	149.6	309.22	W/O
4148B	S.C.PETROTEL SA PL	Petroleum Refinery	Industrial Sew.	3943.7	149.6	589.97	6625.4	149.6	991.15	W/O
4161A	REVIZIA GHIGHIU	Transport Activities	Industrial Sew.	49.7	8.0	0.40	83.4	8.0	0.67	W/O
4329A	AUTOBAZA-TELEAJEN	Land Transport	Industrial Sew.	5.3	28.5	0.16	9.0	47.2	0.42	CO
4531A	UZTEL	Metal Products Fabricated	Industrial Sew.	305.3	39.1	11.94	513.0	39.1	20.06	W/O
4546A	AMPLO	Machinery/Equipment	Industrial Sew.	27.7	22.2	0.61	46.5	22.2	1.03	W/O
4548A	ERMAT	Construction	Industrial Sew.	33.3	10.4	0.35	56.0	10.4	0.58	W/O
	Sub-total of Discharge to Industrial Sewer			5595.3		787.5	9400.2		1323.1	
	Total			75739.5		5543.2	124383.6		13221.9	

Note : AS: Activated sludge treatment, CO: Coagulation treatment, W/O Without treatment

Table E.4.1 Necessity of Treatment Plant in Industrial Establishments (1/2)

Code	Name of Factory	Activity Type	Discharge Type	Treatment	Average V (10 ³ m ³ /y)	BOD (mg/l)	SS (mg/l)	COD (mg/l)	Oil (mg/l)	CN (mg/l)	Phenol (mg/l)	Cd (mg/l)	Improvement Plan
4100A	REAL PLEASA	Basic Metals	R1	CO	587.4	20.7	252.7	12.3	22.6				Rehabilitation
4112A	ARPACOR	Chemicals/Chemical Products	R2	W/O	181.4	8.9	45.0	4.5	5.2				Sand Filter
4103A	SOCERAM BUCOV	Construction	R1	AS	235.8	13.8	124.8	9.1	8.8				Rehabilitation
4103B	SOCERAM BUCOV	Construction	R1	AS	21.3	18.2			14.1				Rehabilitation
4150A	MATIZOL	Construction	R1	AS	567.3	56.7	214.4	37.1	4.5	0.0320	0.0192	0.0016	Rehabilitation
4209A	PREFABRICATE BLEJOI	Construction	R1	AS	51.5	35.2							Rehabilitation
4322A	T.C.I. PLOIESTI	Construction	R2	W/O	21.8	22.0							Sand Filter
4551A	S.C.APASCO S.A.MANECIU	Construction	R2	W/O	11.8	22.0							Sand Filter
4551B	S.C.APASCO S.A.MANECIU	Construction	R2	W/O	10.1	22.0							Sand Filter
4166A	MANASTIREA SUZANA	Education	R1	AS	6.7	46.6							Activated Sludge
4566B	GR.SC.CIMPINA	Education	R1	AS	30.2	46.6							Activated Sludge
4095A	SCOALA AJUTATOARE	Education	R2	W/O	7.8	50.0							Activated Sludge
4033A	S.C. CONCORDIA S.A.	Electrical Machinery/Apparatu	R1	CO	81.2	1,555.2	161.4	1,171.2				0.0384	Activated Sludge
4554A	ELECTROUTILAJ	Electrical Machinery/Apparatu	DS	CO	344.4	1,555.2	283.9	23.1	21.6		0.0441		Activated Sludge
4047A	F.E. PLOIESTI	Electricity/Gas/Water Supply	R1	CO	14,760.5	25.5	196.6	29.5	23.8				Flotation
4006A	BERE AZUGA	Food/Beverage	R1	AS	801.9	51.7							Activated Sludge
4115A	I.C.V.V. VALEA CALUGAREASC/ Food/Beverage	Food/Beverage	R1	AS	44.8	48.2							Activated Sludge
4139B	EXTRAPAN SEDIU	Food/Beverage	R1	AS	43.1	49.9							Activated Sludge
4233A	CONSERVE MAGURELE	Food/Beverage	R1	AS	504.0	49.9							Activated Sludge
4136B	S.C.VINALCOOL S.A.PRAHOVA	Food/Beverage	R2	W/O	133.3	31.2							Sand Filter
4020A	SALSI SINALA	Food/Beverage	DS	AS	194.9	749.3							Activated Sludge
4094A	PROLA-PLOIESTI	Food/Beverage	DS	AS	343.3	749.3							Activated Sludge
4136A	S.C.VINALCOOL S.A.PRAHOVA	Food/Beverage	DS	AS	110.9	749.3							Activated Sludge
4139A	EXTRAPAN SEDIU	Food/Beverage	DS	AS	58.2	749.3							Activated Sludge
4143B	I.N.C.A.F. PLOIESTI	Food/Beverage	DS	AS	327.6	1,011.2							Rehabilitation
4217A	VIDELMAR SEDIU	Food/Beverage	DS	AS	64.7	749.3							Activated Sludge
4311A	COCA COLA PLOIESTI	Food/Beverage	DS	AS	369.6	487.2	269.3	190.6					Rehabilitation
4350A	AGROCOM PLOIESTI	Food/Beverage	DS	CO	47.6	749.3							Activated Sludge
4010A	SPITALUL AZUGA	Health/Social Work	R1	AS	72.2	157.2	193.6	125.1					Activated Sludge
4092A	SPIT. T.B.C. DRAJNA	Health/Social Work	R1	AS	13.4	265.1	298.4	147.5	9.4				Activated Sludge
4239A	SECTIA EXTERIOARA CIORANI	Health/Social Work	R1	AS	6.7	155.2							Activated Sludge
4507A	CAMINUL DE BATRUNI MISLEA	Health/Social Work	R1	AS	103.6	43.3	356.8	133.4					Activated Sludge
4591A	SPITAL BREAZA	Health/Social Work	R1	AS	35.3	155.2							Activated Sludge
4593A	SPITALUL VOILA	Health/Social Work	R1	AS	156.2	155.2							Activated Sludge
4003A	SPITALUL FILIP.TG.	Health/Social Work	R2	W/O	14.3	200.0							Activated Sludge
4016A	CERBUL SINALA	Hotel/Restaurant	R1	AS	52.0	190.0							Activated Sludge
4019A	S.C.ALPIN S.A. COTA 1400	Hotel/Restaurant	R1	AS	65.9	190.0							Activated Sludge
4218A	CABANA C.DORULUI	Hotel/Restaurant	R1	AS	6.9	190.0							Activated Sludge
4342A	COMPLEX MUZEAL POSADA	Hotel/Restaurant	R1	AS	35.4	190.0							Activated Sludge
4140A	SECTIA LG PLOIESTI	Land Transport	R1	CO	9.0	358.4	210.9		22.1				Activated Sludge

Table E.4.1 Necessity of Treatment Plant in Industrial Establishments (2/2)

Code	Name of Factory	Activity Type	Discharge Type	Treatment	Average V (10 ⁻³ m ³ /hr)	BOD (mg/l)	SS (mg/l)	COD (mg/l)	Oil (mg/l)	CN (mg/l)	Phenol (mg/l)	Cd (mg/l)	Improvement Plan
4072A	AVICOLA PLOIESTI-Bigoi Farm	Livestock Farm	R1	AS	70.0	767.0							Activated Sludge
4082A	COMPORSA STANCESTI	Livestock Farm	R1	AS	211.0	1,249.0							Activated Sludge
4270A	S.C. AGROINDUSTRIALA CERES	Livestock Farm	R1	AS	30.7	767.0							Activated Sludge
4577A	S.C. AGROS SCAIENI	Livestock Farm	R1	AS	25.0	284.9							Activated Sludge
4273A	COPIMEX BRAZI	Livestock Farm (small)	R1	AS	72.0	767.0							Activated Sludge
4160B	UPETROM PLOIESTI	Machinery/Equipment	R1	CO	1,126.7	38.1							Rehabilitation
4211A	U.M. VALENI DE MUNTE	Machinery/Equipment	R1	CO	152.9	38.1							Rehabilitation
4292A	S.C. PETROUTILAJ S.A.	Machinery/Equipment	R1	CO	163.0	38.1	296.0	146.8	10.8				Rehabilitation
4292A	S.C. PETROUTILAJ S.A.	Machinery/Equipment	R1	CO	260.4	38.1	291.0	29.1	14.4				Rehabilitation
4100B	U.M. PLOPENI	Machinery/Equipment	R2	W/O	245.8	16.8	67.8	11.5	8.3	0.0050		0.0150	Sand Filter
4141A	24 IANUARIE	Machinery/Equipment	R2	W/O	197.1	8.2	79.0	6.7	23.1				Sand Filter
4029A	HYDROJET BREAZA	Machinery/Equipment	DS	CO	940.2	56.0	41.6	100.8	35.7	0.0000		0.0000	Rehabilitation
4560A	CAMENIP	Machinery/Equipment	DS	CO	93.0	7.9		70.4	38.4	0.0256		0.0160	Rehabilitation
4147A	DACIA PLOIESTI	Metal Products Fabricated	R1	CO	200.5	8.1	96.6	4.6	6.6				Rehabilitation
4314A	TROMET	Metal Products Fabricated	DS	CO	81.2	25.8	174.3	30.6		0.5739		0.1883	Rehabilitation
4095A	STICLOVAL VALENI	Mining/Quarrying	R1	CO	62.2	18.5	163.2	3.4	0.5				Rehabilitation
4004B	SINTEREF AZUGA	Non-Metallic Mineral Products	R1	CO	107.0	10.4	134.9		0.2				Rehabilitation
4009A	STIAZ AZUGA	Non-Metallic Mineral Products	R1	CO	132.2	14.2	128.0	13.1	2.5				Rehabilitation
4213A	VULTURUL COMARNIC	Non-Metallic Mineral Products	R1	CO	81.2	5.6	153.6	11.1					Rehabilitation
4014A	HARTIA BUSTENI	Paper/Paper Products	R1	AS	6,073.8	19.9	99.5	17.5					Rehabilitation
4102A	S.C. CAHIRO S.A.	Paper/Paper Products	R1	AS	794.1	40.1	105.0	217.6	1.4				Rehabilitation
4035A	S.C. STEAUA ROMANA SA	Petroleum Refinery	R1	AS	4,403.8	75.0	173.7	48.6	7.2		0.6400		Activated Sludge
4039A	VICTORIA FLORESTI	Petroleum Refinery	R1	AS	7,778.4	19.6	154.2	7.8	4.3				Rehabilitation
4051A	S.C. PETROBRAZI S.A.	Petroleum Refinery	R1	AS	24,829.8	158.4	320.4	106.0	31.9		0.5565	0.0480	Rehabilitation
4091A	S.C. CHIMFOREX BUCOV	Petroleum Refinery	R1	AS	46.5	96.0							Activated Sludge
4137A	S.C. VEGA S.A.	Petroleum Refinery	R1	AS	489.4	82.0	109.6	173.7	37.7		0.2814		Activated Sludge
4148A	S.C. PETROTEL SA PL.	Petroleum Refinery	R1	AS	14,378.0	93.9	300.4	93.4	59.6		1.0101		Activated Sludge
4149B	PETROTRANS PLOIESTI	Petroleum Refinery	R1	AS	49.8	82.7	479.5	112.3					Activated Sludge
4158A	S.C. ASTRA ROMANA SA	Petroleum Refinery	R1	AS	11,867.0	161.0	280.4	198.7	48.0	0.0000	0.7351		Rehabilitation
4535A	STAJIA SOL CHEIA	Post/Telecommunication	R1	AS	5.0	12.6	125.4	39.5					Rehabilitation
4298A	UNIT TERIT 440	Public Administration/Defense	R1	AS	10.1	11.2	105.0	8.7					Rehabilitation
4138A	PROGRESUL PLOIESTI	Rubber/Plastic Products	R1	CO	519.7	5.9	97.6	1.3	3.2	0.0000			Rehabilitation
4318A	PRAHOVEANA PLOIESTI	Tanning/Dressing Leather	DS	CO	89.0	100.5	1,892.8	180.3	85.0	0.1160		0.0016	Flotation
4607A	POSTAV AZUGA	Textiles	R1	AS	591.9	86.5	384.1	47.3	10.3				Rehabilitation
4017A	S.E.P.P.L. CIMPINA	Wood	R1	CO	114.2	223.7							Activated Sludge
4017B	S.E.P.P.L. CIMPINA	Wood	R1	CO	6.7	223.7							Activated Sludge
4025A	SEPL PLOIESTI SEC. COMARNI	Wood	R1	CO	30.2	223.7							Activated Sludge
4089A	S.E.P.P.L. MANECIU	Wood	R1	CO	35.3	428.2	568.0	316.0		0.0756	0.2560		Activated Sludge
4101A	GES SCAIENI	Wood	R1	CO	114.8	19.3	367.3	12.2	3.4				Rehabilitation

Note R1: River with treatment, R2: River without treatment, DS: Domestic Sewer System

Table E.4.2 Estimated Constuction and Rehabilitation Cost (1/2)

(unit:1000US\$)

Code	Name of Factory	Activity Type	Treatment Plant				Construction Cost					Rehabilitation Cost				Total					
			Exist	Plan	Civil Works	Mechanical	Electric	Indirect Cost	VAT	Sub-total	Rehabilitation	Indirect Cost	VAT	sub total							
															CO		RE	W/O	AS	AS	AS
4106A	REAL PLEASA	Basic Metals	CO	RE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	70.7	70.7	
4112A	ARPACOR	Chemicals/Chemical Products	W/O	SF	2.0	12.4	1.0	3.1	0.0	0.0	4.1	22.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.6	22.6
4103A	SOCERAM BUCOV	Construction	AS	RE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	94.5	94.5
4103B	SOCERAM BUCOV	Construction	AS	RE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	8.6
4150A	MATIZOL	Construction	AS	RE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	113.8	113.8
4209A	PREFABRICATE BLEJOI	Construction	AS	RE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.7	20.7
4322A	T.C.I. PLOIESTI	Construction	W/O	SF	0.5	0.6	0.3	0.3	0.0	0.4	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
4551A	S.C.APASCO S.A.MANECIU	Construction	W/O	SF	0.3	0.3	0.2	0.2	0.0	0.2	0.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
4551B	S.C.APASCO S.A.MANECIU	Construction	W/O	SF	0.2	0.3	0.1	0.1	0.0	0.2	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
4005A	SCOALA AJUTATOARE	Education	W/O	AS	58.8	34.6	21.6	23.0	0.0	30.4	168.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	168.5	168.5
4166A	MANASTIREA SUZANA	Education	AS	AS	53.0	31.3	20.3	20.9	0.0	27.6	153.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	153.1	153.1
4566B	GR.SC.CIMPINA	Education	AS	AS	232.0	124.3	74.6	86.2	0.0	113.7	630.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	630.7	630.7
4033A	S.C. CONCORDIA S.A.	Electrical Machinery/Apparatu	CO	AS	355.7	311.2	133.4	160.1	0.0	211.3	1,171.7	22.2	4.4	5.9	32.5	0.0	0.0	0.0	0.0	1,204.2	1,204.2
4554A	ELECTROUTILAJ	Electrical Machinery/Apparatu	CO	AS	320.0	280.0	120.0	144.0	0.0	190.1	1,054.1	17.2	3.4	3.4	4.5	25.2	0.0	0.0	0.0	1,079.3	1,079.3
4047A	F.E. PLOIESTI	Electricity/Gas/Water Supply	CO	FL	13.3	83.0	8.3	20.9	0.0	27.6	153.1	41.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	213.9	213.9
4006A	BERE AZUGA	Food/Beverage	AS	RE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	154.4	154.4
4020A	SALSI SINAIA	Food/Beverage	AS	AS	369.5	288.3	157.5	163.1	0.0	215.2	1,193.6	32.0	6.4	8.5	46.9	0.0	0.0	0.0	0.0	1,240.5	1,240.5
4094A	PROLA-PLOIESTI	Food/Beverage	AS	AS	620.6	498.4	277.4	279.3	0.0	368.7	2,044.3	56.4	11.3	14.9	82.6	0.0	0.0	0.0	0.0	2,126.9	2,126.9
4115A	I.C.V.V.VALEA CALUGAREASC/	Food/Beverage	AS	AS	127.8	86.0	36.9	50.1	0.0	66.2	367.0	12.3	2.5	3.2	18.0	0.0	0.0	0.0	0.0	385.0	385.0
4136A	S.C.VINALCOOL S.A PRAHOVA	Food/Beverage	AS	AS	218.7	182.3	91.1	98.4	0.0	129.9	720.5	21.3	4.3	5.6	31.1	0.0	0.0	0.0	0.0	751.6	751.6
4136B	S.C.VINALCOOL S.A PRAHOVA	Food/Beverage	W/O	SF	2.0	12.0	1.1	3.0	0.0	4.0	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.2	22.2
4139A	EXTRAPAN SEDIU	Food/Beverage	AS	AS	153.3	111.8	47.9	62.6	0.0	82.6	458.3	12.8	2.6	3.4	18.7	0.0	0.0	0.0	0.0	477.0	477.0
4139B	EXTRAPAN SEDIU	Food/Beverage	AS	AS	132.5	82.8	35.5	50.2	0.0	66.2	367.1	9.5	1.9	2.5	13.9	0.0	0.0	0.0	0.0	381.0	381.0
4143B	I.N.C.A.F. PLOIESTI	Food/Beverage	AS	RE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	78.8	78.8
4217A	VIDELMAR SEDIU	Food/Beverage	AS	AS	155.9	124.0	53.2	66.6	0.0	88.0	487.7	14.2	2.8	3.7	20.8	0.0	0.0	0.0	0.0	508.5	508.5
4223A	CONSERVE MAGURELE	Food/Beverage	AS	AS	883.7	690.4	345.2	383.9	0.0	506.7	2,809.9	69.0	13.8	18.2	101.1	0.0	0.0	0.0	0.0	2,911.0	2,911.0
4311A	COCA COLA PLOIESTI	Food/Beverage	AS	RE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.2	71.2
4350A	AGROCOM PLOIESTI	Food/Beverage	CO	AS	140.7	91.2	39.1	54.2	0.0	71.5	396.6	10.4	2.1	2.8	15.3	0.0	0.0	0.0	0.0	411.9	411.9
4005A	SPITALUL FILIP.TG.	Health/Social Work	W/O	AS	106.4	62.6	39.1	41.6	0.0	54.9	304.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	304.7	304.7
4010A	SPITALUL AZUGA	Health/Social Work	AS	AS	316.7	277.1	118.8	142.5	0.0	188.1	1,043.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,043.1	1,043.1
4092A	SPIT. T.B.C. DRAJNA	Health/Social Work	AS	AS	100.2	58.9	36.8	39.2	0.0	51.7	286.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	286.8	286.8
4239A	SECTIA EXTERIOARA CIORANI	Health/Social Work	AS	AS	53.0	31.3	20.3	20.9	0.0	27.6	153.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	153.1	153.1
4507A	CAMINUL DE BATRINI MISLEA	Health/Social Work	AS	AS	454.4	340.8	170.4	193.1	0.0	254.9	1,413.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,413.6	1,413.6
4591A	SPITAL BREAZA	Health/Social Work	AS	AS	193.3	135.3	77.3	81.2	0.0	107.2	594.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	594.3	594.3
4595A	SPITAL VOILA	Health/Social Work	AS	AS	599.3	470.9	256.8	265.4	0.0	350.3	1,942.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,942.7	1,942.7
4016A	CERBUL SINAIA	Hotel/Restaurant	AS	AS	227.9	199.5	85.5	102.6	0.0	135.4	750.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	750.9	750.9
4019A	S.C.ALPIN S.A. COTA 1400	Hotel/Restaurant	AS	AS	289.0	252.9	108.4	130.1	0.0	171.7	952.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	952.1	952.1
4218A	CABANA C.DOKULUI	Hotel/Restaurant	AS	AS	54.2	32.0	20.7	21.4	0.0	28.2	156.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	156.4	156.4
4342A	COMPLEX MUZEAL POSADA	Hotel/Restaurant	AS	AS	217.0	135.6	77.5	86.0	0.0	113.6	629.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	629.7	629.7
4140A	SECTIA LG PLOIESTI	Land Transport	CO	AS	66.4	39.0	24.4	26.0	0.0	34.3	190.0	0.5	0.1	0.1	0.7	0.0	0.0	0.0	0.0	190.7	190.7

Table E.4.2 Construction and Rehabilitation Cost (2/2)

(unit:1000US\$)

Code	Name of Factory	Activity Type	Treatment Plant										Construction Cost					Rehabilitation Cost			Total
			Exist.	Plan	Civil Works	Mechanical	Electric	Indirect Cost	VAT	Sub-total	Rehabilitation	Indirect Cost	VAT	sub total	Total						
																Cost	Cost	Cost	Cost	Cost	
4042A	AVICOLA PLOIESTI-BLEJOI FARM	Livestock Farm	AS	AS	306.8	268.5	115.1	138.1	182.3	1,010.8	0.0	0.0	0.0	0.0	0.0	0.0	1,010.8				
4082A	COMPASA STANCESTI	Livestock Farm	AS	AS	786.2	578.1	346.8	342.2	451.7	2,505.1	0.0	0.0	0.0	0.0	0.0	0.0	2,505.1				
4270A	S.C. AGRINDUSTRIALA CERES	Livestock Farm	AS	AS	188.4	117.8	67.3	74.7	98.6	546.7	0.0	0.0	0.0	0.0	0.0	0.0	546.7				
4273A	COPIMEX BRAZI	Livestock Farm (small)	AS	AS	315.6	276.2	138.1	146.0	192.7	1,068.5	0.0	0.0	0.0	0.0	0.0	0.0	1,068.5				
4577A	S.C. AGROS SCAIENI	Livestock Farm	AS	AS	186.3	109.6	61.6	71.5	94.4	523.4	0.0	0.0	0.0	0.0	0.0	0.0	523.4				
4029A	HIDROJET BREAZA	Machinery/Equipment	CO	RE	0.0	0.0	0.0	0.0	0.0	0.0	77.3	15.5	20.4	113.1	0.0	0.0	113.1				
4100B	U.M. PLOPENI	Machinery/Equipment	W/O	SF	2.7	16.8	1.3	4.2	5.5	30.6	0.0	0.0	0.0	0.0	0.0	0.0	30.6				
4141A	24 JANUARIE	Machinery/Equipment	W/O	SF	2.2	13.5	1.1	3.3	4.4	24.5	0.0	0.0	0.0	0.0	0.0	0.0	24.5				
4160B	UPETROM PLOIESTI	Machinery/Equipment	CO	RE	0.0	0.0	0.0	0.0	0.0	0.0	92.6	18.5	24.4	135.6	0.0	0.0	135.6				
4211A	U.M. VALENI DE MUNTE	Machinery/Equipment	CO	RE	0.0	0.0	0.0	0.0	0.0	0.0	20.9	4.2	5.5	30.7	0.0	0.0	30.7				
4292A	S.C. PETROUTILAJ S.A.	Machinery/Equipment	CO	RE	0.0	0.0	0.0	0.0	0.0	0.0	22.3	4.5	5.9	32.7	0.0	0.0	32.7				
4292C	S.C. PETROUTILAJ S.A.	Machinery/Equipment	CO	RE	0.0	0.0	0.0	0.0	0.0	0.0	35.7	7.1	9.4	52.2	0.0	0.0	52.2				
4560A	CAMEXIP	Machinery/Equipment	CO	RE	0.0	0.0	0.0	0.0	0.0	0.0	7.6	1.5	2.0	11.2	0.0	0.0	11.2				
4147A	DACIA PLOIESTI	Metal Products Fabricated	CO	RE	0.0	0.0	0.0	0.0	0.0	0.0	16.5	3.3	4.3	24.1	0.0	0.0	24.1				
4314A	TROMET	Metal Products Fabricated	CO	RE	0.0	0.0	0.0	0.0	0.0	0.0	6.7	1.3	1.8	9.8	0.0	0.0	9.8				
4095A	STICLOVAL VALENI	Mining/Quarrying	CO	RE	0.0	0.0	0.0	0.0	0.0	0.0	10.8	2.2	2.9	15.9	0.0	0.0	15.9				
4094B	SINTERREF AZUGA	Non-Metallic Mineral Product	CO	RE	0.0	0.0	0.0	0.0	0.0	0.0	16.2	3.2	4.3	23.7	0.0	0.0	23.7				
4099A	STIAZ AZUGA	Non-Metallic Mineral Product	CO	RE	0.0	0.0	0.0	0.0	0.0	0.0	18.9	3.8	5.0	27.7	0.0	0.0	27.7				
4213A	VULTURUL COMARNIC	Non-Metallic Mineral Product	CO	RE	0.0	0.0	0.0	0.0	0.0	0.0	13.2	2.6	3.5	19.3	0.0	0.0	19.3				
4014A	HARTIA BUSTENI	Paper/Paper Products	AS	RE	0.0	0.0	0.0	0.0	0.0	0.0	41.0	8.2	10.8	60.0	0.0	0.0	60.0				
4102A	S.C. CAHIRO S.A.	Paper/Paper Products	AS	RE	0.0	0.0	0.0	0.0	0.0	0.0	108.8	21.8	28.7	159.3	0.0	0.0	159.3				
4035A	S.C. STEAUA ROMANA SA	Petroleum Refinery	AS	AS	1,042.9	1,016.0	931.0	598.0	789.3	4,377.3	106.2	21.2	28.0	155.4	4,532.7	0.0	4,532.7				
4039A	VICTORIA FLORESTI	Petroleum Refinery	AS	RE	0.0	0.0	0.0	0.0	0.0	0.0	187.5	37.5	49.5	274.5	0.0	0.0	274.5				
4051A	S.C. PETROBRAZI S.A.	Petroleum Refinery	AS	RE	0.0	0.0	0.0	0.0	0.0	0.0	1,061.2	212.2	280.2	1,553.6	0.0	0.0	1,553.6				
4091A	S.C. CHIMFOREX BUCOV	Petroleum Refinery	AS	AS	275.4	178.5	102.0	111.2	146.8	813.8	12.7	2.5	3.4	18.7	0.0	0.0	832.5				
4137A	S.C. VEGA S.A.	Petroleum Refinery	AS	AS	643.6	536.3	268.2	289.6	382.3	2,119.9	67.0	13.4	17.7	98.1	2,218.1	0.0	2,218.1				
4148A	S.C. PETROTEL SA PL.	Petroleum Refinery	AS	AS	1,682.5	1,330.9	1,241.4	850.9	1,123.3	6,228.9	614.5	122.9	162.2	899.6	7,128.6	0.0	7,128.6				
4149B	PETROTRANS PLOIESTI	Petroleum Refinery	AS	AS	295.3	191.4	109.4	119.2	157.3	872.6	13.7	2.7	3.6	20.0	892.6	0.0	892.6				
4158A	S.C. ASTRA ROMANA SA	Petroleum Refinery	AS	RE	0.0	0.0	0.0	0.0	0.0	0.0	507.2	101.4	133.9	742.5	0.0	0.0	742.5				
4535A	STATIA SOL CHEIA	Post/Telecommunication	AS	RE	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.3	0.4	2.0	0.0	0.0	2.0				
4298A	UNIT. TERIT. 440	Public Administration/Defense	AS	RE	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.6	0.7	4.0	0.0	0.0	4.0				
4138A	PROGRESUL PLOIESTI	Rubber/Plastic Products	CO	RE	0.0	0.0	0.0	0.0	0.0	0.0	42.7	8.5	11.3	62.5	0.0	0.0	62.5				
4318A	PRAHOVEANA PLOIESTI	Tanning/Dressing Leather	CO	FL	2.2	14.0	1.4	3.5	4.7	25.8	0.0	0.0	0.0	0.0	0.0	0.0	25.8				
4107A	POSTAV AZUGA	Textiles	AS	RE	0.0	0.0	0.0	0.0	0.0	0.0	284.0	56.8	75.0	415.8	0.0	0.0	415.8				
4017A	S.E.P.P.L. CIMPINA	Wood	CO	AS	450.7	375.6	187.8	202.8	267.7	1,484.6	9.4	1.9	2.5	13.7	1,498.4	0.0	1,498.4				
4017B	S.E.P.P.L. CIMPINA	Wood	CO	AS	53.0	31.3	20.3	20.9	27.6	153.1	0.9	0.2	0.2	1.3	154.4	0.0	154.4				
4025A	SEPL PLOIESTI SEC. COMARNI	Wood	CO	AS	198.8	124.3	70.4	78.7	103.9	576.1	4.1	0.8	1.1	6.1	582.2	0.0	582.2				
4089A	S.E.P.P.L. MANECIU	Wood	CO	AS	232.0	145.0	82.2	91.8	121.2	672.2	4.8	1.0	1.3	7.1	679.2	0.0	679.2				
4101A	GES SCAIENI	Wood	CO	RE	0.0	0.0	0.0	0.0	0.0	0.0	9.4	1.9	2.5	13.8	0.0	0.0	13.8				
			Total			13,183.1	10,404.8	6,245.8	5,966.7	7,876.1	43,676.5	4,156.0	831.2	1,097.2	6,084.4	49,760.9		49,760.9			

Table E.4.3 Estimated Operation and Maintenance Cost (1/3)

Code	Name of Factory	Activity Type	Treatment Plant		Chemicals US\$/d	Electric US\$/d	Man-Power US\$/d	Total		Total US\$/m3
			Exist	Plan				US\$/d	1000\$/yr	
4071 A	S.C.AGROMEC	Agricultural Activities	AS	-		0.3	1.3	1.6	0.6	0.10
4098 A	AGROMEC	Agricultural Activities	AS	-		0.3	1.4	1.7	0.6	0.10
4106 A	REAL PLEASA	Basic Metals	CO	RE	67.6	112.7	27.4	207.6	75.8	0.13
4547 A	CABLUL ROM	Basic Metals	CO	-	1.2	1.9	3.3	6.4	2.3	0.12
4112 A	ARPACOR	Chemicals/Chemical Pr	W/O	SF		24.9	19.9	44.7	16.3	0.09
4124 A	S.C.DERO LEVER	Chemicals/Chemical Pr	CO	-	45.8	76.4	37.1	159.4	58.2	0.07
4321 A	S.C.VALDEN S A	Chemicals/Chemical Pr	CO	-	0.9	1.4	2.5	4.8	1.8	0.12
4103 A	SOCERAM BUCOV	Construction	AS	RE		38.7	1.7	40.5	14.8	0.06
4103 B	SOCERAM BUCOV	Construction	AS	RE		3.5	3.5	7.0	2.6	0.12
4144 A	S.C.CIPROM MECTA	Construction	AS	-		43.0	19.3	62.3	22.8	0.09
4150 A	MATIZOL	Construction	AS	RE		93.3	31.1	124.3	45.4	0.08
4209 A	PREFABRICA	Construction	AS	RE		8.5	7.8	16.2	5.9	0.12
4221 A	CIPROM VEST	Construction	AS	-		5.7	6.2	11.9	4.3	0.13
4322 A	T.C.I.PLOIESTI	Construction	W/O	SF		3.0	2.4	5.4	2.0	0.09
4512 A	UBEMAR	Construction	AS	-		28.9	13.0	41.9	15.3	0.09
4551 A	S.C.APASCO	Construction	W/O	SF		1.6	1.3	2.9	1.1	0.09
4551 B	S.C.APASCO	Construction	W/O	SF		1.4	1.1	2.5	0.9	0.09
4037 A	S.P.BAICOI	Crude Oil Extraction	CO	-	5.8	9.7	11.0	26.5	9.7	0.10
4099 B	SCHELA BOLDESTI	Crude Oil Extraction	CO	-	9.9	16.4	12.7	39.0	14.2	0.08
4557 A	FORAJ SONDE	Crude Oil Extraction	CO	-	1.5	2.6	4.1	8.2	3.0	0.11
4005 A	SCOALA AJUTATOARE	Education	W/O	AS	0.2	2.6	1.7	4.5	1.7	0.21
4166 A	MANASTIREA SUZANA	Education	AS	AS	0.2	2.2	1.5	3.9	1.4	0.21
4225 A	TABERE SUZANA	Education	W/O	-				0.0	0.0	0.00
4324 A	LICEUL BARCANESTI	Education	W/O	-				0.0	0.0	0.00
4566 A	GR.SC.CIMPINA	Education	W/O	-				0.0	0.0	0.00
4566 B	GR.SC.CIMPINA	Education	AS	AS	0.8	9.9	4.6	15.3	5.6	0.18
4033 A	S.C.CONORDIA SA	Electrical Machinery /A	CO	AS	2.1	26.7	6.0	34.8	12.7	0.16
4554 A	ELECTROUTILAJ	Electrical Machinery /A	CO	AS	9.0	24.0	18.9	51.8	18.9	0.05
4047 A	F.E.PLOIESTI	Electricity/Gas/Water S	CO	FL		540.0	16.0	556.0	202.9	0.01
4006 A	BERE AZUGA	Food/Beverage	AS	RE		263.6	37.3	301.0	109.9	0.14
4020 A	SALSI SINAIA	Food/Beverage	AS	AS		32.0	9.1	41.1	15.0	0.08
4094 A	PROLA-PLOIESTI	Food/Beverage	AS	AS		56.4	16.0	72.4	26.4	0.08
4115 A	I.C.V.V.VALEA	Food/Beverage	AS	AS		14.7	2.1	16.8	6.1	0.14
4136 A	S.C.VINALCOOL S A PRAH	Food/Beverage	AS	AS		18.2	5.2	23.4	8.5	0.08
4136 B	S.C.VINALCOOL S A PRAH	Food/Beverage	W/O	SF		18.2	14.6	32.8	12.0	0.09
4139 A	EXTRAPAN SEDIU	Food/Beverage	AS	AS		9.6	2.7	12.3	4.5	0.08
4139 B	EXTRAPAN SEDIU	Food/Beverage	AS	AS		7.1	2.0	9.1	3.3	0.08
4143 B	I.N.C.A.F.PLOIESTI	Food/Beverage	AS	RE		53.9	18.0	71.8	26.2	0.08
4217 A	VIDELMAR SEDIU	Food/Beverage	AS	AS		10.6	3.0	13.6	5.0	0.08
4223 A	CONSERVE MAGURELE	Food/Beverage	AS	AS		165.7	2.8	168.5	61.5	0.12
4311 A	COCA COLA PLOIESTI	Food/Beverage	AS	RE		60.8	2.0	62.8	22.9	0.06
4350 A	AGROCOM PLOIESTI	Food/Beverage	CO	AS		7.8	2.2	10.0	3.7	0.08
4159 A	FORADEX PLOIESTI	Furniture	CO	-	2.0	3.3	5.1	10.4	3.8	0.11
4308 A	SOCIETATEA COMERCIAL	Furniture	CO	-	2.4	4.0	6.3	12.6	4.6	0.11
4320 A	FORADEX SCAIENI	Furniture	W/O	-				0.0	0.0	0.00
4344 A	ANCOSTAR PLOIESTI	Furniture	CO	-	1.4	2.3	3.9	7.5	2.7	0.12
4003 A	SPITALUL FILIP.T.G.	Health/Social Work	W/O	AS	0.4	4.7	2.3	7.4	2.7	0.19
4010 A	SPITALUL AZUGA	Health/Social Work	AS	AS	1.9	23.8	9.9	35.5	13.0	0.18
4092 A	SPI.T.B.C.DRAJNA	Health/Social Work	AS	AS	0.3	4.4	2.9	7.7	2.8	0.21
4239 A	SECTIA EXTERIOARA	Health/Social Work	AS	AS	0.2	2.2	1.5	3.9	1.4	0.21
4507 A	CAMINUL DE BATRINI	Health/Social Work	AS	AS	2.7	34.1	11.4	48.1	17.6	0.17
4515 A	SPITAL HEPATIA	Health/Social Work	AS	-		3.0	3.0	6.1	2.2	0.12
4564 A	SPITAL BAICOI	Health/Social Work	AS	-		9.7	8.1	17.9	6.5	0.11
4591 A	SPITAL BREAZA	Health/Social Work	AS	AS	0.9	11.6	5.3	17.8	6.5	0.18
4593 A	SPITAL VOILA	Health/Social Work	AS	AS	4.1	51.4	11.6	67.0	24.5	0.16
4594 A	SPITAL ORAS	Health/Social Work	AS	-		32.0	14.4	46.5	17.0	0.09
4016 A	CERBUL SINAIA	Hotel / Restaurant	AS	AS	1.4	17.1	3.8	22.3	8.1	0.16
4019 A	S.C.ALPIN S A COTA 1400	Hotel / Restaurant	AS	AS	1.7	21.7	4.9	28.3	10.3	0.16
4218 A	CABANA C DORULUI	Hotel / Restaurant	AS	AS	0.2	2.3	1.5	3.9	1.4	0.21
4331 A	INTERNATIONAL	Hotel / Restaurant	AS	-		70.0	23.3	93.3	34.1	0.08
4342 A	COMPLEX MUZEAL	Hotel / Restaurant	AS	AS	0.9	11.6	2.6	15.2	5.5	0.16

Table E.4.3 Estimated Operation and Maintenance Cost (2/3)

Code	Name of Factory	Activity Type	Treatment Plant		Chemicals US\$/d	Electric US\$/d	Man-Power US\$/d	Total		
			Exist	Plan				US\$/d	1000\$/yr	US\$/m3
4541 A	MONTANA	Hotel/Restaurant	AS	-		56.3	18.8	75.1	27.4	0.08
4543 A	S.C.BREAZAS A	Hotel/Restaurant	AS	-		19.5	13.0	32.5	11.9	0.10
4544 A	CARAMAN	Hotel/Restaurant	AS	-		39.6	17.8	57.4	20.9	0.09
4545 A	PALACE	Hotel/Restaurant	AS	-		55.7	18.6	74.3	27.1	0.08
4053 A	S.C.SERPLOSA	Irrigation (Flowers)	AS	-		2.0	6.2	8.2	3.0	0.07
4140 A	SECTIA L6 PLOIESTI	Land Transport	CO	AS	1.0	1.7	2.0	4.7	1.7	0.19
4155 A	DEPOULO FR -SEDIU	Land Transport	CO	-	22.1	36.8	21.0	79.9	29.1	0.08
4168 A	AUTOBAZA 1	Land Transport	CO	-	2.1	3.5	5.6	11.2	4.1	0.11
4307 A	TRANSPORT	Land Transport	CO	-	1.1	1.8	3.0	5.9	2.1	0.12
4330 A	AUTOBAZA 6	Land Transport	CO	-	1.8	3.1	4.8	9.7	3.5	0.11
4343 A	CONPET SECTIA SIRT	Land Transport	CO	-	1.1	1.9	3.2	6.2	2.3	0.12
4358 A	R.A.G.C.PLOIESTI	Land Transport	CO	-	6.7	11.2	12.8	30.6	11.2	0.10
4536 A	S.C.V.PRAHOVEI	Land Transport	CO	-	5.2	8.7	12.4	26.2	9.6	0.11
4575 A	S.C.AGROS SCAIENI	Land Transport	CO	-	24.7	41.1	23.5	89.3	32.6	0.08
4042 A	AVICOLA	Livestock Farm	LS	AS	18.2	46.0	5.2	69.4	25.3	0.36
4082 A	COMPORSA	Livestock Farm	LS	AS	54.9	138.7	15.6	209.3	76.4	0.36
4270 A	S.C.AGROINDUSTRIALA	Livestock Farm	LS	AS	8.0	20.2	2.3	30.4	11.1	0.36
4273 A	COPIMEX BRAZI	Livestock Farm	LS	AS	18.7	47.3	5.3	71.4	26.1	0.36
4577 A	S.C.AGROS SCAIENI	Livestock Farm	LS	AS	6.5	16.4	1.8	24.8	9.1	0.36
4021 A	MEFIN SINAIA	Machinery/Equipment	CO	-	40.5	67.5	32.8	140.7	51.3	0.07
4029 A	HIIDROJET BREAZA	Machinery/Equipment	CO	RE	54.1	90.2	43.8	188.1	68.6	0.07
4100 A	U.M.PLOPENI	Machinery/Equipment	CO	-	146.0	243.3	69.5	458.8	167.5	0.07
4100 B	U.M.PLOPENI	Machinery/Equipment	W/O	SF		33.7	26.9	60.6	22.1	0.09
4141 A	24IANUARIE	Machinery/Equipment	W/O	SF		27.0	21.6	48.6	17.7	0.09
4136 A	UZUC PLOIESTI	Machinery/Equipment	CO	-	23.5	39.1	22.3	84.9	31.0	0.08
4160 A	UPETROM PLOIESTI	Machinery/Equipment	CO	-	41.3	68.8	33.4	143.5	52.4	0.07
4160 B	UPETROM PLOIESTI	Machinery/Equipment	CO	RE	129.7	216.1	52.5	398.2	145.4	0.13
4211 A	U.M.VALENI DE MUNTE	Machinery/Equipment	CO	RE	17.6	29.3	11.3	58.2	21.3	0.14
4292 A	S.C.PETROUTILAJ SA	Machinery/Equipment	CO	RE	18.8	31.3	12.1	62.1	22.7	0.14
4292 B	S.C.PETROUTILAJ SA	Machinery/Equipment	CO	-	3.5	5.8	8.3	17.6	6.4	0.11
4292 C	S.C.PETROUTILAJ SA	Machinery/Equipment	CO	RE	30.0	49.9	19.3	99.2	36.2	0.14
4530 A	RULMENTI GREI	Machinery/Equipment	CO	-	22.6	37.6	21.5	81.8	29.8	0.08
4552 A	F.S.H.BAICOI	Machinery/Equipment	CO	-	21.0	35.0	20.0	75.9	27.7	0.08
4555 A	S.C.PETROS SA	Machinery/Equipment	CO	-	1.5	2.6	4.1	8.2	3.0	0.11
4558 A	STEROM CAMPINA	Machinery/Equipment	CO	-	32.8	54.7	26.6	114.1	41.7	0.07
4559 A	NEPTUN CAMPINA	Machinery/Equipment	CO	-	36.7	61.2	29.7	127.6	46.6	0.07
4560 A	CAMEXIP	Machinery/Equipment	CO	RE	5.3	8.9	10.2	24.4	8.9	0.10
4583 A	S.C.ELECTROMONTAJ SA	Machinery/Equipment	CO	-	0.7	1.2	2.1	4.1	1.5	0.12
4146 A	FEROEMAIL PLOIESTI	Metal Products Fabricat.	CO	-	23.5	39.1	22.4	85.0	31.0	0.08
4147 A	DACIA PLOIESTI	Metal Products Fabricat.	CO	RE	23.1	38.4	14.8	76.3	27.9	0.14
4314 A	TROMET	Metal Products Fabricat.	CO	RE	4.7	7.8	11.1	23.6	8.6	0.11
4361 A	ARTAMETALULUI	Metal Products Fabricat.	W/O	-				0.0	0.0	0.00
4533 A	S.C.FLACARA SA	Metal Products Fabricat.	CO	-	19.5	32.5	51.1	103.2	37.7	0.11
4538 A	TURNA TORIA	Metal Products Fabricat.	CO	-	46.6	77.7	37.7	162.1	59.1	0.07
4095 A	STICLOVAL VALENI	Mining / Quarrying	CO	RE	7.2	11.9	8.5	27.6	10.1	0.16
4305 A	INDUSTRIE MICA MOARA	Mining / Quarrying	CO	-	0.0	0.0	0.0	0.0	0.0	
4305 B	INDUSTRIE MICA MOARA	Mining / Quarrying	W/O	-				0.0	0.0	
4328 A	EDIL CONST	Mining / Quarrying	CO	-	1.5	2.6	4.1	8.2	3.0	0.11
4532 A	SALINA SLANIC	Mining / Quarrying	CO	-	3.0	4.9	4.2	12.1	4.4	0.17
4004 A	SINTERREF AZUGA	Non-Metallic Mineral Pr	CO	-	1.6	2.6	4.9	9.1	3.3	0.12
4004 B	SINTERREF AZUGA	Non-Metallic Mineral Pr	CO	RE	12.3	20.5	11.7	44.6	16.3	0.15
4009 A	STIAZ AZUGA	Non-Metallic Mineral Pr	CO	RE	15.2	25.4	14.5	55.1	20.1	0.15
4213 A	VUL TURUL COMARNIC	Non-Metallic Mineral Pr	CO	RE	9.3	15.6	11.1	36.0	13.1	0.16
4319 A	BASTI PLOIESTI	Non-Metallic Mineral Pr	W/O	-				0.0	0.0	0.00
4014 A	HARTIA BUSTENI	Paper/Paper Products	AS	RE	698.9	1,164.8	83.2	1,946.9	710.6	0.12
4102 A	S.C.CAHIRO SA	Paper/Paper Products	AS	RE	91.4	261.1	3.7	356.2	130.0	0.16
4035 A	S.C.STEAUA ROMANA SA	Petroleum Refinery	AS	AS	506.7	1,447.8	72.4	2,026.9	739.8	0.17
4039 A	VICTORIA FLORESTI	Petroleum Refinery	AS	RE	895.0	2,557.3	106.6	3,558.9	1,299.0	0.17
4039 B	VICTORIA FLORESTI	Petroleum Refinery	AS	-	11.6	33.1	14.9	59.7	21.8	0.11

Table E.4.3 Estimated Operation and Maintenance Cost (3/3)

Code	Name of Factory	Activity Type	Treatment Plant		Chemicals US\$/d	Electric US\$/d	Man-Power US\$/d	Total		Total US\$/m3
			Exist	Plan				US\$/d	1000\$/yr	
4051 A	S C PETROBRAZIL S A	Petroleum Refinery	AS	RE	2,857.1	8,163.3	163.3	11,183.7	4,082.0	0.16
4091 A	S C CHIMFOREX BUCOV	Petroleum Refinery	AS	AS	5.4	15.3	7.0	27.7	10.1	0.22
4133 A	STATIA PECO 2KM6	Petroleum Refinery	AS	-	9.6	27.3	12.3	49.2	18.0	0.11
4137 A	S C VEGA S A	Petroleum Refinery	AS	AS	56.3	160.9	22.8	240.0	87.6	0.18
4148 A	S C PETROTEL SA PL	Petroleum Refinery	AS	AS	1,654.4	4,727.0	94.5	6,476.0	2,363.7	0.16
4149 A	PETROTRANS	Petroleum Refinery	AS	-	6.9	19.6	8.8	35.3	12.9	0.11
4149 B	PETROTRANS	Petroleum Refinery	AS	AS	5.7	16.4	7.5	29.7	10.8	0.22
4158 A	S C ASTRA ROMANA SA	Petroleum Refinery	AS	RE	1,365.5	3,901.5	162.6	5,429.6	1,981.8	0.17
4315 B	ATLAS GIP PLOIESTI	Petroleum Refinery	CO	-	2.8	4.7	7.4	15.0	5.5	0.11
4550 A	PEIKOS PLOIESTI	Petroleum Refinery	W/O	-	-	-	-	0.0	0.0	0.00
4535 A	SITIA SOL CHEIA	Post / Telecommunication	AS	RE	0.1	1.7	1.1	2.9	1.1	0.21
4012 A	SANATORIUL T.B.C.	Public Administ /Defense	AS	-	3.9	49.2	11.1	64.1	23.4	0.16
4030 A	U M 02525 BREAZA	Public Administ /Defense	W/O	-	-	-	-	0.0	0.0	0.00
4075 A	PENITECIARUL	Public Administ /Defense	AS	-	1.1	14.2	6.5	21.8	8.0	0.18
4076 A	U M 01991 IG NOU	Public Administ /Defense	AS	-	0.8	10.3	5.2	16.3	6.0	0.19
4087 A	U M 01035 CHEIA	Public Administ /Defense	AS	-	0.3	4.3	2.8	7.4	2.7	0.21
4151 A	U M 01939 BERCENI	Public Administ /Defense	AS	-	0.4	5.0	3.3	8.7	3.2	0.21
4257 A	U M 01532	Public Administ /Defense	AS	-	0.1	1.1	0.7	1.9	0.7	0.21
4298 A	UNITATERIT.440	Public Administ /Defense	AS	RE	0.3	3.3	2.2	5.8	2.1	0.21
4310 A	U M 01562	Public Administ /Defense	AS	-	0.2	2.2	1.5	3.9	1.4	0.21
4316 A	U M 01819	Public Administ /Defense	AS	-	3.7	46.8	15.6	66.1	24.1	0.17
4325 A	U M 01899 PLOIESTI	Public Administ /Defense	W/O	-	-	-	-	0.0	0.0	0.00
4517 A	POLIGON P.S.I.	Public Administ /Defense	W/O	-	-	-	-	0.0	0.0	0.00
4568 A	U M 1065	Public Administ /Defense	AS	-	3.0	38.5	12.8	54.4	19.8	0.17
4585 A	U M 01958	Public Administ /Defense	AS	-	1.2	15.5	7.1	23.8	8.7	0.18
4598 A	HIPODROM	Public Administ /Defense	AS	-	2.4	30.7	10.2	43.3	15.8	0.17
4170 A	HIPODROM	Recreational / Cultural / S	W/O	-	0.2	2.0	2.0	4.2	1.5	0.12
4138 A	PROGRESUL	Rubber / Plastic Products	CO	RE	59.8	99.7	28.5	187.9	68.6	0.13
4142 A	P.S PIGMEN	Rubber / Plastic Products	CO	-	2.9	4.8	7.6	15.3	5.6	0.11
4195 A	P.S OXIGEN	Rubber / Plastic Products	CO	-	4.9	8.2	11.7	24.9	9.1	0.11
4318 A	PRAHOVEANA	Tanning / Dressing Leath	CO	FL	5.1	3.1	1.6	9.8	3.6	0.04
4007 A	POSTAV AZUGA	Textile	AS	RE	45.4	194.6	27.6	267.6	97.7	0.17
4132 A	INTEX	Textile	AS	-	-	93.9	31.3	125.2	45.7	0.08
4153 A	DOROBANTUL	Textile	AS	-	-	295.4	49.2	344.6	125.8	0.07
4539 A	FILATURA URLATI	Textile	AS	-	-	11.3	9.4	20.8	7.6	0.11
4561 A	CITRICIM CAMPINA	Textile	AS	-	-	50.7	16.9	67.6	24.7	0.08
4324 A	S C UMERVA S A	Transport Activities	CO	-	9.1	15.1	11.7	35.9	13.1	0.08
4549 A	BAZ. APROV	Wholesale Trade / Commi	AS	-	-	8.5	9.2	17.7	6.4	0.13
4563 A	S C PALTINUS A	Wholesale Trade / Commi	AS	-	-	21.0	14.0	35.0	12.8	0.10
4017 A	S E P P L CIMPINA	Wood	CO	AS	13.1	21.9	12.5	47.6	17.4	0.15
4017 B	S E P P L CIMPINA	Wood	CO	AS	0.8	1.3	1.5	3.5	1.3	0.19
4025 A	SEPPL PLOIESTI SEC	Wood	CO	AS	3.5	5.8	6.6	15.9	5.8	0.19
4089 A	S E P P L M A N E C I U	Wood	CO	AS	4.1	6.8	3.9	14.7	5.4	0.15
4101 A	GES SCAIENI	Wood	CO	RE	13.2	22.0	12.6	47.8	17.4	0.15
4101 B	GES SOAIENI	Wood	CO	-	10.7	26.8	20.7	58.2	21.2	0.08
					9,489	27,658	2,479	39,625	14,463	0.12

Table E.4.4 Additional Construction and O&M Cost of Advanced Treatment Plant (1/2)

Code	Name of Factory	Activity Type	Volume					Construction Cost					Operation and Maintenance Cost				
			(m ³ /d)	1000US\$	1000US\$	1000US\$	1000US\$	1000US\$	1000US\$	1000US\$	1000US\$	1000US\$	1000US\$	1000US\$	1000US\$	1000US\$	1000US\$
4077 A	S.C.AGROMEC	Agricultural Activity	16	2.7	4.3	1.6	1.7	2.3	12.7	1.8	0.1	5.4	1.2	2.6			
4098 A	AGROMEC	Agricultural Activity	17	2.8	4.4	1.7	1.8	2.4	13.1	1.9	0.1	5.5	7.5	2.7			
4106 A	REAL PLEASA	Basic Metals	1,610	85.4	67.1	25.4	35.6	260.4	173.8	6.4	84.0	264.2	96.4				
4112 A	ARPAOCOM	Chemicals/Chemical Pr	497	35.4	33.1	12.6	16.2	21.4	118.7	53.7	2.0	41.5	97.2	35.5			
4103 A	SOCERAM BUGOV	Construction	646	43.0	38.8	14.7	19.3	25.5	141.3	69.7	2.6	48.5	120.9	44.1			
4103 B	SOCERAM BUGOV	Construction	58	7.1	9.2	3.5	4.0	5.2	28.9	6.3	0.2	11.5	18.0	6.6			
4150 A	MATIZOL	Construction	1,554	83.2	65.7	24.9	34.8	45.9	254.4	167.9	6.2	82.2	256.3	93.5			
4209 A	PREFABRICA	Construction	141	13.8	15.6	5.9	7.1	9.3	51.6	15.3	0.6	19.5	35.3	12.9			
4322 A	T.C.I.PLOIESTI	Construction	60	7.2	9.3	3.5	4.0	5.3	29.4	6.5	0.2	11.6	18.3	6.7			
4551 A	S.C.APASCO	Construction	32	4.5	6.4	2.4	2.7	3.5	19.6	3.5	0.1	8.0	11.6	4.2			
4551 B	S.C.APASCO	Construction	28	4.0	5.9	2.2	2.4	3.2	17.7	3.0	0.1	7.3	10.4	3.8			
4005 A	SCOALA AJUTATOARE	Education	22	3.4	5.1	1.9	2.1	2.7	15.1	2.3	0.1	6.3	8.7	3.2			
4166 A	MANASTIREA SUZANA	Education	18	3.0	4.6	1.7	1.9	2.5	13.6	2.0	0.1	5.7	7.8	2.8			
4566 B	GR.SC.CIMPINA	Education	83	9.2	11.3	4.3	5.0	6.6	36.3	8.9	0.3	14.2	23.4	8.6			
4033 A	S.C.ONORDIA SA	Electrical Machinery/A	222	19.3	20.5	7.8	9.3	12.6	69.6	24.0	0.9	25.6	50.5	18.4			
4047 A	F.E.PLOIESTI	Electricity/Gas/Water S	40,440	938.2	464.1	176.0	319.7	422.0	2,339.9	438.5	161.8	580.9	5,110.1	1,865.2			
4006 A	BERE AZUGA	Food/Beverage	2,197	107.8	80.8	30.7	43.9	57.9	321.1	237.3	8.8	101.2	347.2	126.7			
4115 A	I.C.V.V.ALEA	Food/Beverage	123	12.4	14.3	5.4	6.4	8.5	47.1	13.3	0.5	17.9	31.7	11.6			
4136 B	S.C.VNALCOOL S.A.PRA	Food/Beverage	365	28.1	27.5	10.4	13.2	17.4	96.7	39.4	1.5	34.5	75.3	27.5			
4139 B	EXTRAPAN SEDIU	Food/Beverage	118	12.1	14.0	5.3	6.3	8.3	45.9	12.8	0.5	17.5	30.8	11.2			
4223 A	CONSERVE.MAGURELE	Food/Beverage	1,381	76.1	61.2	23.2	32.1	42.4	235.0	149.1	5.5	76.6	231.2	84.4			
4003 A	SPITALUL FILITIG	Health/Social Work	39	5.3	7.2	2.7	3.0	4.0	22.3	4.2	0.2	9.0	13.4	4.9			
4010 A	SPITALUL AZUGA	Health/Social Work	198	17.7	19.1	7.2	8.8	11.6	64.5	21.4	0.8	23.9	46.0	16.8			
4092 A	SPIT T.B.C.DRAJNA	Health/Social Work	37	5.0	7.0	2.6	2.9	3.9	21.4	4.0	0.1	8.7	12.8	4.7			
4239 A	SECTIA EXTERIOARA	Health/Social Work	18	3.0	4.6	1.7	1.9	2.5	13.6	2.0	0.1	5.7	7.8	2.8			
4507 A	CAMINUL DE BATRNI	Health/Social Work	284	23.2	23.7	9.0	11.2	14.8	81.9	30.7	1.1	29.6	61.5	22.4			
4591 A	SPITAL BREAZA	Health/Social Work	97	10.4	12.4	4.7	5.5	7.3	40.2	10.4	0.4	15.5	26.4	9.6			
4593 A	SPITAL VOILA	Health/Social Work	428	31.6	30.3	11.5	14.7	19.4	107.5	46.2	1.7	37.9	85.9	31.3			
4016 A	CERBUL SINAIA	Hotel/Restaurant	142	13.9	15.7	5.9	7.1	9.4	51.9	15.4	0.6	19.6	35.6	13.0			
4019 A	S.C.ALPIN S.A.COTA 1400	Hotel/Restaurant	181	16.6	18.1	6.8	8.3	10.9	60.7	19.5	0.7	22.6	42.8	15.6			
4218 A	CABANA C.DORULUI	Hotel/Restaurant	19	3.0	4.6	1.8	1.9	2.5	13.8	2.0	0.1	5.8	7.9	2.9			
4342 A	COMPLEX MUZEAL	Hotel/Restaurant	97	10.4	12.4	4.7	5.5	7.3	40.3	10.5	0.4	15.6	26.4	9.6			
4053 A	S.C.SERPLO S.A.	Irrigation (Flowers)	113	11.7	13.6	5.2	6.1	8.0	44.6	12.2	0.5	17.1	29.7	10.9			
4140 A	SECTIA LOG.PLOIESTI	Land Transport	24	3.7	5.4	2.1	2.2	3.0	16.4	2.6	0.1	6.8	9.5	3.5			
4042 A	AVICOLA	Livestock Farm	192	17.3	18.7	7.1	8.6	11.4	63.1	20.7	0.8	23.4	44.9	16.4			
4082 A	COMPORSA	Livestock Farm	578	39.6	36.3	13.8	17.9	23.7	131.3	62.4	2.3	45.4	110.2	40.2			
4270 A	S.C.AGROINDUSTRIALA	Livestock Farm	84	9.3	11.4	4.3	5.0	6.6	36.7	9.1	0.3	14.3	23.7	8.7			
4273 A	COPIEX BRAZI	Livestock Farm	197	17.7	19.0	7.2	8.8	11.6	64.3	21.3	0.8	23.8	45.9	16.8			
4577 A	S.C.AGROS SCAIENI	Livestock Farm	68	8.0	10.1	3.8	4.4	5.8	32.1	7.4	0.3	12.6	20.3	7.4			
4100 B	U.M.PLOIENI	Machinery/Equipment	673	44.4	39.8	15.1	19.9	26.2	145.3	72.7	2.7	49.8	125.2	45.7			
4141 A	24.IANUARIE	Machinery/Equipment	540	37.6	34.8	13.2	17.1	22.6	125.4	58.3	2.2	43.6	104.1	38.0			
4160 B	UPETROM PLOIESTI	Machinery/Equipment	3,087	159.2	99.1	57.6	53.2	72.8	403.9	333.4	12.3	124.1	469.8	171.5			

Table E.4.4 Additional Cost of Advanced Treatment Plant (2/2)

Code	Name of Factory	Activity Type	Volume (m ³ /d)	Construction Cost				Operation and Maintenance Cost				Total		
				Civil Works	Mechanical	Electric	Indirect Cos	VAT	sub total	Chemicals	Electric		Man-Power	
			1000USS	1000USS	1000USS	1000USS	1000USS	1000USS	USS/d	USS/d	USS/d	1000USS/y		
4211 A	U.M.VALENII DE MUNTII	Machinery/Equipment	419	31.1	29.9	11.3	14.3	19.1	105.9	45.2	1.7	37.4	84.3	30.8
4292 A	S.C.PETROUTILAJ SA	Machinery/Equipment	446	32.6	31.1	11.8	15.1	19.9	110.5	48.2	1.8	38.9	88.9	32.4
4292 C	S.C.PETROUTILAJ SA	Machinery/Equipment	713	46.4	41.2	15.6	20.6	27.2	151.0	77.0	2.9	51.5	131.4	48.0
4347 A	DACIA PLOIESTI	Metal Products/Fabcat.	549	38.1	35.2	13.3	17.3	22.9	126.8	59.3	2.2	44.0	105.5	38.5
4095 A	STICLOVAL VALENI	Mining / Quarrying	170	15.8	17.4	6.6	8.0	10.5	58.4	18.4	0.7	21.8	40.9	14.9
4305 B	INDUSTRIE MICA MOAR	Mining / Quarrying	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4532 A	SALINA SLANIC	Mining / Quarrying	70	8.2	10.3	3.9	4.5	5.9	32.7	7.6	0.3	12.8	20.7	7.6
4004 B	SINTEREFAZUGA	Non-Metallic Mineral Pr	293	23.8	24.1	9.2	11.4	15.1	83.6	31.7	1.2	30.2	65.1	23.0
4009 A	STIAZ AZUGA	Non-Metallic Mineral Pr	362	27.9	27.4	10.4	13.1	17.3	96.2	39.1	1.4	34.3	74.9	27.3
4215 A	VUL TURUL COMARNIC	Non-Metallic Mineral Pr	222	19.3	20.5	7.8	9.5	12.6	69.6	24.0	0.9	25.6	50.5	18.4
4014 A	HARTIA BUSTENI	Paper/Paper Products	16,640	492.3	272.4	103.3	175.6	229.2	1,270.8	1,797.2	66.6	341.0	2,204.7	804.7
4102 A	S.C.CAHIRO S.A.	Paper/Paper Products	2,176	107.0	80.4	30.5	43.6	57.5	319.0	235.0	8.7	100.6	344.3	125.7
4035 A	S.C.STEAUA ROMANA S.	Petroleum Refinery	12,065	386.8	224.6	85.2	139.3	183.9	1,019.8	1,303.0	48.3	281.1	1,632.4	595.8
4039 A	VICTORIA FLORESTI	Petroleum Refinery	21,311	592.6	316.0	119.8	205.7	271.5	1,505.7	2,301.6	85.2	395.5	2,782.3	1,015.5
4051 A	S.C.PETROBRAZI S.A.	Petroleum Refinery	68,027	1,415.3	634.1	240.5	458.0	604.5	3,352.4	7,346.9	272.1	793.6	8,412.7	3,070.6
4091 A	S.C.CHEMFOREX BUCOV	Petroleum Refinery	127	12.7	14.7	5.6	6.6	8.7	48.2	13.8	0.5	18.3	32.6	11.9
4137 A	S.C.VEGA S.A.	Petroleum Refinery	1,341	74.4	60.1	22.8	31.5	41.5	230.4	144.8	5.4	75.2	225.4	82.3
4148 A	S.C.PETROTEL SA PL	Petroleum Refinery	39,392	939.5	456.9	173.3	313.9	414.4	2,297.9	4,254.3	157.6	571.8	4,983.7	1,819.0
4149 B	PETROTRANS	Petroleum Refinery	137	13.4	15.3	5.8	6.9	9.1	50.5	14.8	0.5	19.1	34.4	12.6
4158 A	S.C.ASTRA ROMANA SA	Petroleum Refinery	32,512	813.5	407.2	154.4	275.0	363.0	2,013.2	3,511.3	130.0	509.6	4,151.0	1,515.1
4535 A	STIIA SOL CHEIA	Post / Telecommunicatou	14	2.4	3.9	1.5	1.5	2.0	11.3	1.5	0.1	4.8	6.4	2.3
4012 A	SANATORIUL T.B.C.	Public Administ./Defense	410	30.6	29.5	11.2	14.3	18.8	104.4	44.2	1.6	36.9	82.8	30.2
4075 A	PENITECLARUL	Public Administ./Defense	118	12.1	14.0	5.3	6.3	8.3	45.9	12.8	0.5	17.5	30.8	11.2
4076 A	U.M.01991 TG.NOU	Public Administ./Defense	86	9.5	11.6	4.4	5.1	6.7	37.3	9.3	0.3	14.5	24.1	8.8
4087 A	U.M.01035 CHEIA	Public Administ./Defense	35	4.9	6.8	2.6	2.9	3.8	20.9	3.8	0.1	8.5	12.5	4.6
4151 A	U.M.01959 BERCENI	Public Administ./Defense	41	5.5	7.5	2.8	3.2	4.2	23.1	4.5	0.2	9.3	14.0	5.1
4257 A	U.M.01532	Public Administ./Defense	9	1.8	3.0	1.1	1.2	1.6	8.7	1.0	0.0	3.8	4.8	1.8
4298 A	UNIT.TERIT.440	Public Administ./Defense	28	4.0	5.9	2.2	2.4	3.2	17.7	3.0	0.1	7.3	10.4	3.8
4310 A	U.M.01562	Public Administ./Defense	18	3.0	4.6	1.7	1.9	2.5	13.6	2.0	0.1	5.7	7.8	2.8
4316 A	U.M.01819	Public Administ./Defense	390	29.5	28.6	10.9	13.8	18.2	101.0	42.1	1.6	35.9	79.5	29.0
4517 A	POLIGON P.S.I.	Public Administ./Defense	166	15.5	17.1	6.5	7.8	10.3	57.3	17.9	0.7	21.5	40.0	14.6
4568 A	U.M.1065	Public Administ./Defense	321	25.5	25.5	9.7	12.1	16.0	88.7	34.6	1.3	31.9	67.8	24.8
4585 A	U.M.01958	Public Administ./Defense	129	12.9	14.7	5.6	6.6	8.8	48.6	13.9	0.5	18.5	32.9	12.0
4598 A	HIPODROM	Public Administ./Defense	255	21.5	22.2	8.4	10.4	13.8	76.3	27.6	1.0	27.8	56.4	20.6
4138 A	PROGRESUL	Rubber / Plastic Products	1,424	77.9	62.3	23.6	32.8	43.2	239.8	153.8	5.7	78.0	237.4	86.7
4007 A	POSTAV AZUGA	Textile	1,622	85.9	67.4	25.6	35.8	47.2	261.7	175.1	6.5	84.3	265.9	97.1
4017 A	S.E.P.P.L.CIMPINA	Wood	313	25.0	25.1	9.5	11.9	15.7	87.3	33.8	1.3	31.4	66.5	24.3
4025 A	SEPL PLOIESTI SEC	Wood	83	9.2	11.3	4.3	5.0	6.6	36.3	8.9	0.3	14.2	23.4	8.6
4089 A	S.E.P.P.L.MANECTU	Wood	97	10.4	12.4	4.7	5.5	7.3	40.2	10.4	0.4	15.5	26.4	9.6
4101 A	GES SCAIENI	Wood	314	25.1	25.2	9.5	12.0	15.8	87.6	34.0	1.3	31.5	66.7	24.4
Total			259,591	7,493.3	4,528.4	1,717.3	2,747.8	3,627.1	20,113.7	28,036	1,038	5,668	34,742	12,680.7

Table E.5.1 Phased Baseline of Industrial (BODLoad) Reduction to River

Activity Type	Existing (1997-1999)				Future(2005)				Future(2010)				Future(2015)					
	Q (l/s)	Concn. (mg/l)	Load (kg/d)	Q (l/s)	Concn. (mg/l)	Load (kg/d)	Cut L. (kg/d)	Efflu. L. (kg/d)	Q (l/s)	Concn. (mg/l)	Load (kg/d)	Cut L. (kg/d)	Efflu. L. (kg/d)	Q (l/s)	Concn. (mg/l)	Load (kg/d)	Cut L. (kg/d)	Efflu. L. (kg/d)
Agricultural Activities	1.7	10.0	1	1.7	10.0	1	0	0	1.7	10.0	1	0	0	1.7	10.0	1	0	0
Basic Metals	11.1	12.9	12	13.6	15.5	19	0	0	19	18.1	26	0	0	26	20.7	33	1	1
Chemicals/Chemical Products	3.4	8.9	3	4.2	8.9	3	0	0	3	8.9	4	0	0	4	8.9	4	0	0
Construction	17.3	26.1	39	21.3	33.4	61	0	0	61	38.4	84	0	0	84	42.0	106	59	47
Education	0.8	28.9	2	1.0	38.6	3	0	0	3	45.0	5	0	0	5	49.6	6	4	2
Electrical Machinery/Apparatu	1.5	972.0	129	1.9	1,248.3	201	0	0	201	1,401.8	274	254	20	20	1,555.2	346	342	4
Electricity/Gas/Water Supply	278.6	15.9	383	341.8	19.1	598	0	0	598	22.2	912	812	812	812	25.4	1,027	218	809
Food/Beverage	28.7	31.9	79	35.3	59.8	121	0	0	121	45.3	164	164	164	164	49.3	206	123	83
Health/Social Work	7.7	87.2	58	9.4	107.1	87	0	0	87	121.0	116	35	81	81	131.1	145	122	23
Hotel/Restaurant	2.4	100.0	22	3.3	130.0	42	0	0	42	160.0	63	27	36	36	190.0	83	74	9
Land Transport	0.2	224.0	3	0.2	268.8	5	0	0	5	313.6	7	5	2	2	358.4	9	8	1
Livestock Farm	13.0	982.9	1,104	13.0	982.9	1,104	0	0	1,104	982.9	1,104	992	112	112	982.9	1,104	1,082	22
Machinery/Equipment	40.5	21.7	76	49.7	26.8	115	0	0	115	30.3	154	154	154	154	32.8	193	85	108
Metal Products Fabricated	3.8	5.0	2	4.7	6.0	3	0	0	3	7.1	3	3	3	3	8.1	4	4	4
Mininy/Quarrying	1.7	6.8	1	2.1	11.2	2	0	0	2	14.3	3	3	3	3	16.5	4	4	4
Non-Metallic Mineral Products	6.0	5.8	3	7.4	7.8	5	0	0	5	9.2	7	7	7	7	10.2	9	9	9
Paper/Paper Products	129.6	13.8	155	159.0	17.7	243	0	0	243	20.3	330	330	330	330	217.8	418	43	375
Petroleum Refinery	1,205.0	75.6	7,873	1,478.1	96.3	12,303	9,818	2,485	2,485	110.6	16,734	13,746	2,988	2,988	121.0	21,164	17,674	3,490
Post/Telecommunication	0.1	0.0	0	0.1	0.0	0	0	0	0	0.0	0	0	0	0	0.2	0	0	0
Public Administration/Defense	13.8	10.0	10	16.9	10.5	15	0	0	15	11.9	21	21	21	21	13.0	26	26	26
Rubber/Plastic Products	9.8	3.7	3	12.0	4.4	5	0	0	5	5.2	6	6	6	6	5.6	8	8	8
Textiles	11.2	54.1	52	13.7	64.9	81	0	0	81	75.7	111	111	111	111	86.5	140	108	32
Wood	5.8	103.8	52	7.0	133.8	81	0	0	81	154.9	111	111	111	111	170.6	140	124	16
Total	1,793.7	64.9	10,063	2,197.4	79.5	15,100	9,818	5,279	5,279	2,601.0	20,138	15,121	5,081	5,081	97.0	25,177	20,067	5,110

Table E.5.2 Phased Program of Industrial (BOD Load) Reduction to River (1/3)

DCode	Name of Factory	Activity Type	Existing (1997-1999)				Future (2005)				Future (2010)				Future (2015)			
			Q (l/s)	Concent. (mg/l)	Load (kg/d)	with Project Cut L. Efflu.L. (kg/d)	Baselink Concent. (mg/l)	Q (l/s)	Load (kg/d)	with Project Cut L. Efflu.L. (kg/d)	Baselink Concent. (mg/l)	Q (l/s)	Load (kg/d)	with Project Cut L. Efflu.L. (kg/d)	Baselink Concent. (mg/l)	Q (l/s)	Load (kg/d)	with Project Cut L. Efflu.L. (kg/d)
4071A	S.C. AGRONEC CIORANI	Agricultural Activ	0.2	10.0	0.2	0.2	10.0	0.2	0.0	0.2	0.2	10.0	0.2	0.0	0.2	10.0	0.2	0.0
4098A	AGROMEC MAGURELE	Agricultural Activ	0.2	10.0	0.2	0.2	10.0	0.2	0.0	0.2	10.0	0.2	0.0	0.2	10.0	0.2	0.0	
4106A	REAL PLEASA	Basic Metals	11.1	12.9	12.3	13.6	15.5	0.0	0.0	0.0	16.1	18.1	25.2	0.0	25.2	18.6	20.7	33.3
4112A	ARPACOR	Chemicals/Chemik	3.4	8.9	2.6	4.2	8.9	3.2	0.0	3.2	5.0	8.9	3.8	0.0	3.8	5.8	8.9	4.4
4103A	SOCERAM BUCOV	Construction	4.4	8.6	3.3	5.5	10.3	4.9	0.0	4.9	6.5	12.1	6.7	0.0	6.7	7.5	13.8	8.9
4103B	SOCERAM BUCOV	Construction	0.4	11.4	0.4	0.5	13.7	0.6	0.0	0.6	0.6	15.9	0.8	0.0	0.8	0.7	18.2	1.1
4150A	MATIZOL	Construction	10.7	35.4	32.7	13.1	42.5	25.5	22.7	15.6	49.6	66.7	39.8	26.9	18.0	56.7	88.2	57.1
4209A	PREFABRICATE BLEJOU	Construction	1.0	22.0	1.8	1.2	26.4	2.7	0.7	2.1	1.4	30.8	3.8	1.3	2.4	1.6	35.2	5.0
4222A	T.C.I. PLOESTI	Construction	0.4	22.0	0.8	0.5	22.0	1.0	0.1	0.9	0.6	22.0	1.1	0.1	1.0	0.7	22.0	1.3
4351A	S.C. APASCO S.A. MANEC	Construction	0.2	22.0	0.4	0.3	22.0	0.5	0.0	0.5	0.3	22.0	0.6	0.1	0.6	0.4	22.0	0.7
4351B	S.C. COMERCIALA APAS	Construction	0.2	22.0	0.4	0.2	22.0	0.4	0.0	0.4	0.3	22.0	0.5	0.0	0.5	0.3	22.0	0.6
4005A	SCOALA AJUTAOARE) Education	Education	0.1	50.0	0.5	0.1	50.0	0.6	0.4	0.3	0.2	50.0	0.7	0.4	0.3	0.2	50.0	0.9
4166A	MANASTIREA SUZANA	Education	0.1	29.1	0.3	0.1	34.9	0.4	0.2	0.3	0.2	40.8	0.6	0.3	0.3	0.2	46.6	0.8
4366B	GR.SC.CIMPINA	Education	0.6	29.1	1.5	0.7	34.0	2.1	0.9	1.3	0.9	40.8	3.0	1.6	1.5	1.0	46.6	4.0
4003A	S.C. CONCORDIA S.A.	Electrical Machine	1.5	972.0	128.7	1.9	1248.3	202.8	199.5	3.2	2.2	1401.8	269.8	265.9	3.8	2.6	1555.2	346.0
4047A	F.E. PLOESTI	Electricity/Gas/W.	278.6	15.9	382.7	341.8	19.1	564.0	0.0	564.0	404.9	22.3	779.0	79.3	699.7	468.1	25.5	1029.2
4006A	BERE AZUGA	Food/Beverage	15.1	32.3	42.2	18.5	38.8	62.2	30.1	32.0	22.0	45.2	85.9	47.9	38.0	25.4	51.7	113.5
4115A	I.C.V.V. VALEA CALUGA	Food/Beverage	0.8	30.1	2.2	1.0	36.1	3.2	1.4	1.8	1.2	42.1	4.5	2.4	2.1	1.4	48.2	5.9
4136B	S.C. VINALCOOL S.A. PR/	Food/Beverage	2.5	31.2	6.7	3.1	31.2	8.3	3.0	5.3	3.6	31.2	9.8	3.5	6.3	4.2	31.2	11.3
4139B	EXTRAPAN SEDIU	Food/Beverage	0.8	31.2	2.2	1.0	37.4	3.2	1.5	1.7	1.2	43.7	4.5	2.4	2.0	1.4	49.9	5.9
4223A	CONSERVE MAGURELE	Food/Beverage	9.5	31.2	25.6	11.7	37.4	37.7	17.5	20.2	13.8	43.7	52.2	28.3	23.9	16.0	49.9	68.9
4003A	SPITALUL FILIP.TC.	Health/Social Wor	0.3	200.0	5.1	0.4	200.0	6.3	5.7	0.6	0.4	200.0	7.5	6.7	0.7	0.5	200.0	8.6
4010A	SPITALUL AZUGA	Health/Social Wor	1.4	98.3	11.6	1.7	117.9	17.0	14.1	2.9	2.0	137.6	23.6	20.1	3.4	2.3	157.2	31.1
4092A	SPIT. T.B.C. DRAJNA	Health/Social Wor	0.3	165.7	3.6	0.3	198.8	5.3	4.8	0.5	0.4	232.0	7.4	6.8	0.6	0.4	265.1	9.8
4239A	SECTIA EXTERIOARA C	Health/Social Wor	0.1	97.0	1.0	0.1	116.4	1.5	1.2	0.3	0.2	135.8	2.0	1.7	0.3	0.2	155.2	2.7
4307A	CAMINUL DE BATRINI A	Health/Social Wor	2.0	27.1	4.6	2.4	32.5	6.8	2.6	4.2	2.9	37.9	9.3	4.4	4.9	3.3	43.3	12.3
4391A	SPITAL BREAZA	Health/Social Wor	0.7	97.0	5.6	0.8	116.4	8.2	6.8	1.4	1.0	135.8	11.4	9.7	1.7	1.1	155.2	15.0
4393A	SPITAL VOILA	Health/Social Wor	2.9	97.0	24.7	3.6	116.4	36.4	30.1	6.3	4.3	135.8	50.3	42.9	7.4	5.0	155.2	66.4
4016A	CERBUL SINALA	Hotel/Restaurant	0.8	100.0	6.8	1.1	130.0	12.1	10.2	1.9	1.3	160.0	18.0	15.7	2.2	1.6	190.0	27.1
4019A	S.C. ALPIN S.A. COTA IAI	Hotel/Restaurant	1.0	100.0	8.7	1.4	130.0	15.3	13.0	2.4	1.7	160.0	23.9	20.9	3.0	2.1	190.0	34.3
4218A	CABANA C.DORULUI	Hotel/Restaurant	0.1	100.0	0.9	0.1	130.0	1.6	1.4	0.2	0.2	160.0	2.5	2.2	0.3	0.2	190.0	3.6
4342A	COMPLEX MUZEAL POS	Hotel/Restaurant	0.5	100.0	4.7	0.7	130.0	8.2	7.0	1.3	0.9	160.0	12.8	11.2	1.6	1.1	190.0	18.4
4053A	S.C. SERPIO S.A. PLOES	Irrigation (Flower	1.3	10.0	1.1	1.3	10.0	1.1	0.0	1.1	1.3	10.0	1.1	0.0	1.1	1.3	10.0	1.1
4140A	SECTIA L6 PLOESTI	Land Transport	0.2	224.0	5.3	0.2	268.8	4.8	4.5	0.4	0.2	313.6	6.7	6.2	0.4	0.3	358.4	8.8
4042A	AVICOLA PLOESTI-BI	Livestock Farm	2.2	7670	1471	2.2	7670	1471	1433	3.8	2.2	7670	1471	1433	5.8	2.2	7670	1471

Table E.5.2 Phased Program of Industrial (BOD Load) Reduction to River (2/3)

DCode	Name of Factory	Activity Type	Existing (1997-1999)						Future(2010)						Future(2015)										
			Baseline			with Project			Baseline			with Project			Baseline			with Project							
			Q (US)	Concent (mg/l)	Load (kg/a)	Q (US)	Concent (mg/l)	Load (kg/a)	Q (US)	Concent (mg/l)	Load (kg/a)	Q (US)	Concent (mg/l)	Load (kg/a)	Q (US)	Concent (mg/l)	Load (kg/a)	Q (US)	Concent (mg/l)	Load (kg/a)	Q (US)	Concent (mg/l)	Load (kg/a)	Q (US)	Concent (mg/l)
4270A	S.C. AGROINDUSTRIAL	Livestock Farm	1.0	767.0	64.4	1.0	767.0	64.4	62.8	1.7	1.0	767.0	64.4	62.8	1.7	1.0	767.0	64.4	62.8	1.7	1.0	767.0	64.4	62.8	1.7
4277A	S.C. AGROS SCAENI	Livestock Farm	0.8	284.9	19.5	0.8	284.9	19.5	18.1	1.4	0.8	284.9	19.5	18.1	1.4	0.8	284.9	19.5	18.1	1.4	0.8	284.9	19.5	18.1	1.4
4273A	COPIMEX BRAZI	Livestock Farm (s	2.3	767.0	151.3	2.3	767.0	151.3	147.4	3.9	2.3	767.0	151.3	147.4	3.9	2.3	767.0	151.3	147.4	3.9	2.3	767.0	151.3	147.4	3.9
4100B	U.M. PLOPENI	Machinery/Equipr	4.6	16.8	6.7	5.7	16.8	8.3	0.0	8.3	6.7	16.8	8.3	0.0	9.8	7.8	16.8	8.3	0.0	11.3	6.3	16.8	8.3	0.0	4.4
4141A	24 IANUARIE	Machinery/Equipr	3.7	8.2	2.6	4.6	8.2	3.2	0.0	3.2	5.4	8.2	3.8	0.0	3.8	6.3	8.2	3.8	0.0	4.4	6.3	8.2	3.8	0.0	4.4
4270A	S.C. AGROINDUSTRIAL	Livestock Farm	1.0	767.0	64.4	1.0	767.0	64.4	62.8	1.7	1.0	767.0	64.4	62.8	1.7	1.0	767.0	64.4	62.8	1.7	1.0	767.0	64.4	62.8	1.7
4277A	S.C. AGROS SCAENI	Livestock Farm	0.8	284.9	19.5	0.8	284.9	19.5	18.1	1.4	0.8	284.9	19.5	18.1	1.4	0.8	284.9	19.5	18.1	1.4	0.8	284.9	19.5	18.1	1.4
4273A	COPIMEX BRAZI	Livestock Farm (s	2.3	767.0	151.3	2.3	767.0	151.3	147.4	3.9	2.3	767.0	151.3	147.4	3.9	2.3	767.0	151.3	147.4	3.9	2.3	767.0	151.3	147.4	3.9
4100B	U.M. PLOPENI	Machinery/Equipr	4.6	16.8	6.7	5.7	16.8	8.3	0.0	8.3	6.7	16.8	8.3	0.0	9.8	7.8	16.8	8.3	0.0	11.3	6.3	16.8	8.3	0.0	4.4
4141A	24 IANUARIE	Machinery/Equipr	3.7	8.2	2.6	4.6	8.2	3.2	0.0	3.2	5.4	8.2	3.8	0.0	3.8	6.3	8.2	3.8	0.0	4.4	6.3	8.2	3.8	0.0	4.4
4160B	UPETROM PLOIESTI	Machinery/Equipr	21.3	23.8	43.7	26.1	28.6	64.5	19.4	45.1	30.9	33.3	89.0	35.6	53.4	35.7	38.1	117.5	55.8	61.7	35.7	38.1	117.5	55.8	61.7
4211A	U.M. VALENI DE MUNT	Machinery/Equipr	2.9	23.8	5.9	3.5	28.6	8.7	2.6	6.1	4.2	33.3	12.1	4.8	7.2	4.8	38.1	15.9	7.6	8.4	4.8	38.1	15.9	7.6	8.4
4292A	S.C. PETROUTILAJ S.A.	Machinery/Equipr	3.1	23.8	6.3	3.8	28.6	9.3	2.8	6.5	4.5	33.3	12.9	5.1	7.7	5.2	38.1	17.0	8.1	8.9	5.2	38.1	17.0	8.1	8.9
4292C	S.C. PETROUTILAJ S.A.	Machinery/Equipr	4.9	23.8	10.1	6.0	28.6	14.9	4.5	10.4	7.2	33.3	20.7	8.3	12.4	8.3	38.1	27.2	12.9	14.3	8.3	38.1	27.2	12.9	14.3
4147A	DACIA PLOIESTI	Metal Products Fa	3.8	5.0	1.6	4.7	6.0	2.4	0.0	2.4	5.5	7.1	3.4	0.0	3.4	6.4	8.1	4.5	0.0	4.5	6.4	8.1	4.5	0.0	4.5
4095A	STICLOVAL VALENI	Mining/Quarrying	1.2	11.6	1.2	1.5	13.9	1.8	0.0	1.8	1.7	16.2	2.4	0.0	2.4	2.0	18.5	3.2	0.0	3.2	2.0	18.5	3.2	0.0	3.2
4305B	INDUSTRIE MICA MOAR	Mining/Quarrying	0.0	20.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0
4322A	SALINA SLANIC	Mining/Quarrying	0.5	8.7	0.4	0.6	10.4	0.5	0.0	0.5	0.7	12.2	0.7	0.0	0.7	0.8	13.9	1.0	0.0	1.0	0.8	13.9	1.0	0.0	1.0
4004B	SINTERREF AZUGA	Non-Metallic Min	2.0	6.5	1.1	2.5	7.8	1.7	0.0	1.7	2.9	9.1	2.3	0.0	2.3	3.4	10.4	3.1	0.0	3.1	3.4	10.4	3.1	0.0	3.1
4009A	STIAZ AZUGA	Non-Metallic Min	2.5	8.8	1.9	3.1	10.6	2.8	0.0	2.8	3.6	12.4	3.9	0.0	3.9	4.2	14.2	5.1	0.0	5.1	4.2	14.2	5.1	0.0	5.1
4213A	VULTURUL COMARNIC	Non-Metallic Min	1.5	3.5	0.5	1.9	4.2	0.7	0.0	0.7	2.2	4.9	0.9	0.0	0.9	2.6	5.6	1.2	0.0	1.2	2.6	5.6	1.2	0.0	1.2
4014A	HARTIA BUSTENI	Paper/Paper Prodi	114.6	12.4	122.8	140.6	14.9	181.0	0.0	181.0	166.6	17.4	250.2	0.0	250.2	192.6	19.9	330.6	0.0	330.6	192.6	19.9	330.6	0.0	330.6
4102A	S.C. CAHRO S.A.	Paper/Paper Prodi	15.0	25.1	32.5	18.4	30.1	47.8	16.0	31.8	21.8	35.1	66.1	28.4	37.6	25.2	40.1	87.2	43.7	43.5	25.2	40.1	87.2	43.7	43.5
4035A	S.C. STEAUA ROMANA S	Petroleum Refiner	83.1	46.9	336.7	101.9	56.3	495.8	319.7	176.1	120.8	65.6	684.7	476.0	208.7	139.6	75.0	904.4	663.1	241.2	139.6	75.0	904.4	663.1	241.2
4039A	VICTORIA FLORESTI	Petroleum Refiner	146.8	12.3	156.0	180.1	14.7	228.7	0.0	228.7	213.4	17.2	316.6	0.0	316.6	246.7	19.6	417.9	0.0	417.9	246.7	19.6	417.9	0.0	417.9
4051A	S.C. PETROBRAZI S.A.	Petroleum Refiner	468.7	99.0	4,008.7	574.9	118.8	5,900.9	4,907.4	993.4	681.1	138.6	8,154.9	6,977.9	1,177.0	787.3	158.4	10,772.7	9,412.2	1,560.5	787.3	158.4	10,772.7	9,412.2	1,560.5
4091A	S.C. CHIMFOREX BUCO	Petroleum Refiner	0.9	60.0	4.5	1.1	72.0	6.7	4.8	1.9	1.3	84.0	9.3	7.1	2.2	1.5	96.0	12.2	9.7	2.5	1.5	96.0	12.2	9.7	2.5
4137A	S.C. VEGA S.A.	Petroleum Refiner	9.2	51.3	40.9	11.3	61.5	60.2	40.6	19.6	13.4	71.8	83.3	60.1	23.2	15.5	82.0	110.0	83.2	26.8	15.5	82.0	110.0	83.2	26.8
4148A	S.C. PETROTEL SA PL.	Petroleum Refiner	271.4	58.7	1,376.4	332.9	70.4	2,024.9	1,449.6	575.2	394.4	82.2	2,800.0	2,118.5	681.5	455.9	93.9	3,698.9	2,911.1	787.8	455.9	93.9	3,698.9	2,911.1	787.8
4149B	PETROTRANS PLOIESTI	Petroleum Refiner	0.9	51.7	4.2	1.1	62.0	5.9	4.0	1.9	1.4	72.4	8.5	6.2	2.4	1.6	82.7	11.3	8.6	2.7	1.6	82.7	11.3	8.6	2.7
4158A	S.C. ASTRA ROMANA S	Petroleum Refiner	224.0	100.6	1,946.9	274.8	120.7	2,865.3	2,390.5	474.8	325.5	140.9	3,962.0	3,399.5	562.5	376.3	161.0	5,234.5	4,584.2	650.2	376.3	161.0	5,234.5	4,584.2	650.2
4355A	STATIA SOL CHEIA	Post/Telecommun	0.1	7.9	0.1	0.1	9.5	0.1	0.0	0.1	0.2	11.0	0.2	0.0	0.2	0.2	12.6	0.2	0.0	0.2	0.2	12.6	0.2	0.0	0.2
4012A	SANATORIUL T.B.C. BUS	Public Administra	2.8	8.4	2.0	3.4	10.1	3.0	0.0	3.0	4.1	11.7	4.1	0.0	4.1	4.7	13.4	5.4	0.0	5.4	4.7	13.4	5.4	0.0	5.4
4075A	PENITENCIARUL TC.NO	Public Administra	0.8	8.4	0.6	1.0	10.1	0.9	0.0	0.9	1.2	11.7	1.2	0.0	1.2	1.4	13.4	1.6	0.0	1.6	1.4	13.4	1.6	0.0	1.6
4076A	U.M. 01991 TC. NOU	Public Administra	0.6	8.4	0.4	0.7	10.1	0.6	0.0	0.6	0.9	11.7	0.9	0.0	0.9	1.0	13.4	1.2	0.0	1.2	1.0	13.4	1.2	0.0	1.2

Table E.5.2 Phased Program of Industrial (BOD Load) Reduction to River (3/3)

DC Code	Name of Factory	Activity Type	Existing (1997-1999)						Future (2005)						Future (2010)						Future (2015)									
			Q (Us)	Concent. (mg/l)	Load (kg/d)	Q (Us)	Concent. (mg/l)	Load (kg/d)	Q (Us)	Concent. (mg/l)	Load (kg/d)	Q (Us)	Concent. (mg/l)	Load (kg/d)	Q (Us)	Concent. (mg/l)	Load (kg/d)	Q (Us)	Concent. (mg/l)	Load (kg/d)	Q (Us)	Concent. (mg/l)	Load (kg/d)	Q (Us)	Concent. (mg/l)	Load (kg/d)	Q (Us)	Concent. (mg/l)	Load (kg/d)	
4087A	U.M. 01035 CHEIA	Public Administra	0.2	8.4	0.2	0.3	10.1	0.3	0.0	0.3	0.3	11.7	0.4	0.0	0.4	0.4	15.4	0.5	0.0	0.5	0.4	11.7	0.4	0.0	0.4	0.4	15.4	0.5	0.0	0.5
4257A	U.M.01532	Public Administra	0.1	8.4	0.0	0.1	10.1	0.1	0.0	0.1	11.7	0.1	0.0	0.1	0.0	0.1	15.4	0.1	0.0	0.1	0.1	11.7	0.1	0.0	0.1	0.1	15.4	0.1	0.0	0.1
4298A	UNIT. TERIT. 440	Public Administra	0.2	7.0	0.1	0.2	8.4	0.2	0.0	0.2	9.8	0.2	0.0	0.2	0.0	0.2	11.2	0.3	0.0	0.3	0.3	9.8	0.2	0.0	0.2	0.3	11.2	0.3	0.0	0.3
4310A	U.M.01562	Public Administra	0.1	8.4	0.1	0.1	10.1	0.1	0.0	0.1	11.7	0.2	0.0	0.2	0.0	0.2	13.4	0.2	0.0	0.2	0.2	11.7	0.2	0.0	0.2	0.2	13.4	0.2	0.0	0.2
4316A	U.M. 01819	Public Administra	2.7	9.9	2.3	3.3	11.9	3.4	0.0	3.4	13.8	4.7	0.0	4.7	0.0	4.7	15.8	6.2	0.0	6.2	4.5	13.8	4.7	0.0	4.7	4.5	15.8	6.2	0.0	6.2
4517A	POLIGON P.S.I.BOLDEST	Public Administra	1.1	15.0	1.5	1.4	15.0	1.8	0.0	1.8	15.0	2.2	0.0	2.2	0.0	2.2	15.0	2.5	0.0	2.5	1.9	15.0	2.2	0.0	2.2	1.9	15.0	2.5	0.0	2.5
4568A	U.M.1065	Public Administra	2.2	8.4	1.6	2.7	10.1	2.4	0.0	2.4	11.7	3.3	0.0	3.3	0.0	3.3	13.4	4.3	0.0	4.3	3.7	11.7	3.3	0.0	3.3	3.7	13.4	4.3	0.0	4.3
4585A	U.M. 01958 CIUPERCEAS	Public Administra	0.9	8.4	0.6	1.1	10.1	1.0	0.0	1.0	11.7	1.3	0.0	1.3	0.0	1.3	13.4	1.7	0.0	1.7	1.5	11.7	1.3	0.0	1.3	1.5	13.4	1.7	0.0	1.7
4598A	U.M.0865 SCOALA DE JA	Public Administra	1.8	8.4	1.3	2.2	10.1	1.9	0.0	1.9	11.7	2.6	0.0	2.6	0.0	2.6	13.4	3.4	0.0	3.4	3.0	11.7	2.6	0.0	2.6	3.0	13.4	3.4	0.0	3.4
4138A	PROGRESUL PLOIESTII	Rubber/Plastic PR	9.8	3.7	3.1	12.0	4.4	4.6	0.0	4.6	5.2	6.4	0.0	6.4	0.0	6.4	5.9	8.5	0.0	8.5	16.5	5.2	6.4	0.0	6.4	16.5	5.9	8.5	0.0	8.5
4007A	POSTAVAZUGA	Textiles	11.2	54.1	52.2	13.7	64.9	76.8	53.2	23.7	75.7	106.2	78.2	28.1	18.8	86.5	140.3	107.9	52.4	3.6	223.7	70.0	63.7	6.3	3.6	223.7	70.0	63.7	6.3	
4017A	SE.P.P.L. CIMPINA	Wood	2.2	139.8	26.0	2.7	167.8	39.1	34.5	4.7	195.7	53.0	47.6	5.4	3.6	223.7	70.0	63.7	6.3	0.2	223.7	70.0	63.7	6.3	0.2	223.7	70.0	63.7	6.3	
4017B	SE.P.P.L. CIMPINA	Wood	0.1	139.8	1.4	0.1	167.8	2.1	1.9	0.3	0.2	195.7	2.9	2.6	0.3	0.2	223.7	70.0	63.7	6.3	0.2	195.7	2.9	2.6	0.3	0.2	223.7	70.0	63.7	6.3
4025A	SE.P.P.L. PLOIESTI SEC. CC	Wood	0.6	139.8	6.9	0.7	321.1	19.4	18.2	1.2	0.8	195.7	14.0	12.6	1.4	1.0	223.7	18.5	16.9	1.7	0.8	195.7	14.0	12.6	1.4	1.0	223.7	18.5	16.9	1.7
4089A	SE.P.P.L. MANECIU	Wood	0.7	267.6	15.4	0.8	321.1	22.7	21.3	1.4	1.0	374.6	31.3	29.7	1.7	1.1	428.2	41.4	39.5	1.9	0.7	267.6	15.4	0.8	0.8	321.1	22.7	21.3	1.4	
4101A	GES SCAJENI	Wood	2.2	12.1	2.3	2.7	14.5	3.3	0.0	3.3	3.1	16.9	4.6	0.0	4.6	3.6	19.3	6.1	0.0	6.1	3.1	16.9	4.6	0.0	4.6	3.6	19.3	6.1	0.0	6.1
			1,799	64.7	10,063	2,197	79.5	15,100	9,818	5,279	2,601	89.6	20,138	15,121	5,016	3,005	97.0	25,177	20,067	5,110	2,601	89.6	20,138	15,121	5,016	3,005	97.0	25,177	20,067	5,110

Table E.5.3 Phased Investment Program in Each Activity and Receiving Body

Activity Type	River			Domestic System			Total		
	2001-2005	2006-2010	2010-2015	2001-2005	2006-2010	2010-2015	2001-2005	2006-2010	2010-2015
Basic Metals			70.7						70.7
Chemicals/Chemical Products			22.6						22.6
Construction			241.7						241.7
Education			952.3						952.3
Electrical Machinery/Apparatus		894.7	309.4	1,079.3	1,079.3		894.7		2,283.5
Electricity/Gas/Water Supply			213.9						213.9
Food/Beverage			1,451.1						9,520.0
Health/Social Work		1,174.6	4,563.7				1,174.6		5,738.3
Hotel/Restaurant		913.8	1,575.2				913.8		2,489.0
Land Transport		119.2	71.5				119.2		190.7
Livestock Farm		5,041.9	612.6				5,041.9		5,654.5
Machinery/Equipment			306.2	124.3	124.3				430.5
Metal Products Fabricated			24.1		9.8				33.9
Mining/Quarrying			15.9						15.9
Non-Metallic Mineral Products			70.8						70.8
Paper/Paper Products			219.3						219.3
Petroleum Refinery	9,615.9	4,161.5	4,397.8				9,615.9	4,161.5	18,175.2
Post/Telecommunication			2.0						2.0
Public Administration/Defense			4.0						4.0
Rubber/Plastic Products			62.5						62.5
Tanning/Dressing Leather				25.8	25.8				25.8
Textiles			415.8						415.8
Wood		1,432.3	1,495.7				1,432.3		2,928.0
Total	9,615.9	13,738.0	17,098.9	9,308.1	9,308.1	9,308.1	9,615.9	13,738.0	26,407.0
			40,452.8						49,760.9

Table E.5.4 Phased Investment Program (1/2)

Code	Name of Factory	Activity Type	(Unit 1000US\$)						
			2001-2005		2006-2010		2011-2015		Total Cost
			cost	%	cost	%	cost	%	
4106A	REAL PLEASA	Basic Metals					70.7	100.0	70.7
4112A	ARPACOR	Chemicals/Chemical Products					22.6	100.0	22.6
4103A	SOCERAM BUCOV	Construction					94.5	100.0	94.5
4103B	SOCERAM BUCOV	Construction					8.6	100.0	8.6
4150A	MATIZOL	Construction					113.8	100.0	113.8
4209A	PREFABRICATE BLEJOI	Construction					20.7	100.0	20.7
4322A	T.C.I. PLOIESTI	Construction					2.1	100.0	2.1
4551A	S.C. APASCO S.A. MANECIU	Construction					1.1	100.0	1.1
4551B	S.C. APASCO S.A. MANECIU	Construction					1.0	100.0	1.0
	Sub-total	Construction					241.7	100.0	241.7
4005A	SCOALA AJUTATOARE	Education					168.5	100.0	168.5
4166A	MANASTIREA SUZANA	Education					153.1	100.0	153.1
4566B	GR. SC. CIMPINA	Education					630.7	100.0	630.7
	Sub-total	Education					952.3	100.0	952.3
4033A	S.C. CONCORDIA S.A.	Electrical Machinery/Apparatus			894.7	74.3	309.5	25.7	1,204.2
4554A	ELECTROUTILAJ	Electrical Machinery/Apparatus					1,079.3	100.0	1,079.3
	Sub-total	Electrical Machinery/Apparatus			894.7	39.2	1,388.7	60.8	2,283.5
4047A	F.E. PLOIESTI	Electricity/Gas/Water Supply					213.9	100.0	213.9
4006A	BERE AZUGA	Food/Beverage					154.4	100.0	154.4
4020A	SALSI SINAIA	Food/Beverage					1,240.5	100.0	1,240.5
4094A	PROLA-PLOIESTI	Food/Beverage					2,126.9	100.0	2,126.9
4115A	I.C.V.V. VALEA CALUGAREA	Food/Beverage					385.0	100.0	385.0
4136A	S.C. VINALCOOL S.A. PRAHO	Food/Beverage					751.6	100.0	751.6
4136B	S.C. VINALCOOL S.A. PRAHO	Food/Beverage					22.2	100.0	22.2
4139A	EXTRAPAN SEDIU	Food/Beverage					477.0	100.0	477.0
4139B	EXTRAPAN SEDIU	Food/Beverage					381.0	100.0	381.0
4143B	I.N.C.A.F. PLOIESTI	Food/Beverage					78.8	100.0	78.8
4217A	VIDELMAR SEDIU	Food/Beverage					508.5	100.0	508.5
4223A	CONSERVE MAGURELE	Food/Beverage					2,911.0	100.0	2,911.0
4311A	COCA COLA PLOIESTI	Food/Beverage					71.2	100.0	71.2
4350A	AGROCOM PLOIESTI	Food/Beverage					411.9	100.0	411.9
	Sub-total	Food/Beverage					9,520.0	100.0	9,520.0
4003A	SPITALUL FILIP.TG.	Health/Social Work					304.7	100.0	304.7
4010A	SPITALUL AZUGA	Health/Social Work			270.2	25.9	772.9	74.1	1,043.1
4092A	SPIT. T.B.C. DRAJNA	Health/Social Work			159.5	55.6	127.3	44.4	286.8
4239A	SECTIA EXTERIOARA CIORZ	Health/Social Work			51.0	33.3	102.1	66.7	153.1
4507A	CAMINUL DE BATRINI MISL	Health/Social Work					1,413.6	100.0	1,413.6
4591A	SPITAL BREAZA	Health/Social Work			183.1	30.8	411.3	69.2	594.3
4593A	SPITAL VOILA	Health/Social Work			510.9	26.3	1,431.8	73.7	1,942.7
	Sub-total	Health/Social Work			1,174.6	20.5	4,563.7	79.5	5,738.3
4016A	CERBUL SINAIA	Hotel/Restaurant			250.0	33.3	500.8	66.7	750.9
4019A	S.C. ALPIN S.A. COTA 1400	Hotel/Restaurant			349.4	36.7	602.7	63.3	952.1
4218A	CABANA C DORULUI	Hotel/Restaurant			78.2	50	78.2	50.0	156.4
4342A	COMPLEX MUZEAL POSAD/	Hotel/Restaurant			236.1	37.5	393.6	62.5	629.7
	Sub-total	Hotel/Restaurant			913.8	36.712	1,575.2	63.3	2,489.0
4140A	SECTIA L6 PLOIESTI	Land Transport			119.2	62.5	71.5	37.5	190.7
4042A	AVICOLA PLOIESTI-Blejoi Fa	Livestock Farm			904.6	89.5	106.1	10.5	1,010.8
4082A	COMPORSA STANDESTI	Livestock Farm			2342.3	93.5	162.8	6.5	2,505.1
4270A	S.C. AGROINDUSTRIALA CE	Livestock Farm			484.9	88.7	61.8	11.3	546.7
4273A	COPIMEX BRAZI	Livestock Farm (small)			952.1	89.1	116.5	10.9	1,068.5
4577A	S.C. AGROS SCAIENI	Livestock Farm			358.0	68.4	165.4	31.6	523.4
	Sub-total	Livestock Farm			5,041.9	89.166	612.6	10.8	5,654.5
4029A	HIIDROJET BREAZA	Machinery/Equipment					113.1	100.0	113.1
4100B	U.M. PLOPENI	Machinery/Equipment					30.6	100.0	30.6
4141A	24 IANUARIE	Machinery/Equipment					24.5	100.0	24.5
4160B	UPETROM PLOIESTI	Machinery/Equipment					135.6	100.0	135.6
4211A	U.M. VALENII DE MUNTE	Machinery/Equipment					30.7	100.0	30.7

Table E.5.4 Phased Investment Program (2/2)

(Unit: 1000US\$)

Code	Name of Factory	Activity Type	2001-2005		2006-2010		2011-2015		Total Cost
			cost	%	cost	%	cost	%	
4292A	S.C. PETROUTILAJ S A	Machinery/Equipment					32.7	100.0	32.7
4292C	S.C. PETROUTILAJ S A	Machinery/Equipment					52.2	100.0	52.2
4560A	CAMEXIP	Machinery/Equipment					11.2	100.0	11.2
	Sub-total	Machinery/Equipment					430.5	100.0	430.5
4147A	DACIA PLOIESTI	Metal Products Fabricated					24.1	100.0	24.1
4314A	TROMET	Metal Products Fabricated					9.8	100.0	9.8
	Sub-total	Metal Products Fabricated					33.9	100.0	33.9
4095A	STICLOVAL VALENI	Mining/Quarrying					15.9	100.0	15.9
4004B	SINTERREF AZUGA	Non-Metallic Mineral Products					23.7	100.0	23.7
4009A	STIAZ AZUGA	Non-Metallic Mineral Products					27.7	100.0	27.7
4213A	VULTURUL COMARNIC	Non-Metallic Mineral Products					19.3	100.0	19.3
	Sub-total	Non-Metallic Mineral Products					70.8	100.0	70.8
4014A	HARTIA BUSTENI	Paper/Paper Products					60.0	100.0	60.0
4102A	S.C. CAHIRO S A	Paper/Paper Products					159.3	100.0	159.3
	Sub-total	Paper/Paper Products					219.3	100.0	219.3
4035A	S.C. STEAUA ROMANA SA	Petroleum Refinery	2,388.8	52.7	1074.3	23.7	1,069.7	23.6	4,532.7
4039A	VICTORJA FLORESTI	Petroleum Refinery					274.5	100.0	274.5
4051A	S.C. PETROBRAZI S.A.	Petroleum Refinery	870.0	56.0	341.8	22.0	341.8	22.0	1,553.6
4091A	S.C. CHIMFOREX BUCOV	Petroleum Refinery	462.9	55.6	184.8	22.2	184.8	22.2	832.5
4137A	S.C. VEGA S.A.	Petroleum Refinery	1,175.6	53.0	534.6	24.1	507.9	22.9	2,218.1
4148A	S.C. PETROTEL SA PL.	Petroleum Refinery	3,856.6	54.1	1,639.6	23.0	1,632.4	22.9	7,128.6
4149B	PETROTRANS PLOIESTI	Petroleum Refinery	446.3	50.0	223.1	25.0	223.1	25.0	892.6
4158A	S.C. ASTRA ROMANA SA	Petroleum Refinery	415.8	56.0	163.4	22.0	163.4	22.0	742.5
	Sub-total	Petroleum Refinery	9,615.9	52.9	4,161.5	22.9	4,397.8	24.2	18,175.2
4535A	STATIA SOL CHEIA	Post/Telecommunication					2.0	100.0	2.0
4298A	UNIT. TERIT. 440	Public Administration/Defense					4.0	100.0	4.0
4138A	PROGRESUL PLOIESTI	Rubber/Plastic Products					62.5	100.0	62.5
4318A	PRAHOVEANA PLOIESTI	Tanning/Dressing Leather					25.8	100.0	25.8
4007A	POSTAV AZUGA	Textiles					415.8	100.0	415.8
4017A	S.E.P.P.L. CIMPINA	Wood			656.3	43.8	842.1	56.2	1,498.4
4017B	S.E.P.P.L. CIMPINA	Wood			77.2	50.0	77.2	50.0	154.4
4025A	SEPPL PLOIESTI SEC. COMA	Wood			274.2	47.1	308.0	52.9	582.2
4089A	S.E.P.P.L. MANECIU	Wood			417.7	61.5	261.5	38.5	679.2
4101A	GES SCAIENI	Wood			6.9	50.0	6.9	50.0	13.8
	Sub-total	Wood			1,432.3	48.918	1,495.7	51.1	2,928.0
	Total		9,615.9	19.3	13,738.0	27.6	26,407.0	53.1	49,760.9

Table E.5.5 Phased Program of Operation and Maintenance Cost

(Unit: 1000US\$)

Activity Type	River				Domestic Sewer				Total			
	2001-2005	2006-2010	2011-2015	after 2015	2001-2005	2006-2010	2011-2015	after 2015	2001-2005	2006-2010	2011-2015	after 2015
Agricultural Activities	6.0	6.0	6.0	1.2					6.0	6.0	6.0	1.2
Basic Metals	256.2	297.1	358.5	75.8					264.1	306.5	369.5	78.1
Chemicals/Chemical Products	0.0	0.0	77.2	16.3					202.6	234.9	360.7	76.3
Construction	232.1	269.2	343.4	72.6					375.5	435.4	543.9	115.0
Crude Oil Extraction									90.9	105.4	127.2	26.9
Education	29.2	33.9	40.9	8.6					29.2	33.9	40.9	8.6
Electrical Machinery /Appar	42.9	49.8	60.1	12.7					106.9	124.0	149.6	31.6
Electricity/Gas/Water Supply	686.1	795.7	959.9	202.9					686.1	795.7	959.9	202.9
Food/Beverage	611.3	708.9	912.0	192.8					990.7	1,148.9	1,442.8	305.0
Furniture									37.6	43.6	52.6	11.1
Health/Social Work	222.2	262.2	323.7	68.4					309.1	363.0	445.2	94.1
Hotel / Restaurant	74.3	91.9	120.3	25.4					429.1	530.8	685.2	146.8
Irrigation (Flowers)	15.0	15.0	15.0	3.0					15.0	15.0	15.0	3.0
Land Transport	7.9	9.5	12.1	2.6					327.6	380.2	459.4	97.1
Livestock Farm	739.5	739.5	739.5	147.9					739.5	739.5	739.5	147.9
Machinery/Equipment	762.2	883.9	1,254.9	265.3					2,544.3	2,966.0	3,792.2	801.7
Metal Products Fabricat.	94.2	109.2	131.8	27.9					555.5	644.2	777.2	164.5
Mining / Quarrying	49.0	56.8	68.5	14.5					59.1	68.5	82.7	17.5
Non-Metallic Mineral Product	167.4	194.1	234.2	49.5					178.6	207.1	249.9	52.8
Paper/Paper Products	2,842.1	3,295.8	3,976.3	840.6					2,842.1	3,295.8	3,976.3	840.6
Petroleum Refinery	35,753.3	41,460.4	50,021.0	10,574.9					35,949.7	41,688.1	50,295.8	10,633.0
Post / Telecommunication	3.6	4.1	5.0	1.1					3.6	4.1	5.0	1.1
Public Administ./Defense	391.8	454.3	548.1	115.9					391.8	454.3	548.1	115.9
Recreational / Cultural / Sport									0.0	0.0	0.0	0.0
Rubber / Plastic Products									5.2	6.0	7.2	1.5
Tanning / Dressing Leather	231.9	268.9	324.4	68.6					49.6	57.5	69.4	14.7
Textile	330.2	382.9	461.9	97.7					12.1	14.1	17.0	3.6
Transport Activities	0.0	0.0	0.0	0.0					688.9	798.9	1,019.1	301.4
Wholesale Trade / Communication									44.3	51.4	62.0	13.1
Wood	159.8	185.3	223.6	47.3					65.0	75.3	90.9	19.2
Total	43,708.3	50,574.5	61,218.3	12,933.5	5,085.1	5,939.7	7,226.8	1,529.8	48,793.4	56,514.2	68,445.1	14,463.2

Note: The figure in line of "2001-2005", "2006-2010" and "2011-2015" shows the total cost for five years.
The figure in line of "after 2015" shows the cost for one year.

Table E.5.6 Necessity of Treatment Plant in Case of 4.3% Growth Rate (1/2)

Code	Name of Factory	Activity Type	Discharge Type	Treatment	Average V (10 ³ m ³ /y)	BOD (mg/l)	SS (mg/l)	COD (mg/l)	Oil (mg/l)	CN (mg/l)	Phenol (mg/l)	Cd (mg/l)	Improvement Plan
4106A	REAL PLEASA	Basic Metals	R1	CO	657.37	22.0	268.5	13.0	24.0				Rehabilitation
4112A	ARPACOR	Chemicals/Chemical Products	R2	W/O	202.04	8.9	45.0	4.5	5.2				Sand Filter
4103A	SOCERAM BUCOV	Construction	R1	AS	263.83	15.5	140.4	10.3	9.9				Rehabilitation
4103B	SOCERAM BUCOV	Construction	R1	AS	23.81	20.5			15.8				Rehabilitation
4130A	MATIZOL	Construction	R1	AS	634.81	63.8	241.2	41.8	5.1	0.036	0.022	0.002	Rehabilitation
4209A	PREFABRICATE BLEI/OI	Construction	R1	AS	57.65	39.6							Rehabilitation
4322A	T.C.I. PLOIESTI	Construction	R2	W/O	24.44	22.0							Sand Filter
4551A	S.C.APASCO S.A.MANECIU	Construction	R2	W/O	13.16	22.0							Sand Filter
4551B	S.C.APASCO S.A.MANECIU	Construction	R2	W/O	11.28	22.0							Sand Filter
4166A	MANASTIREA SUZANA	Education	R1	AS	7.52	52.4							Activated Sludge
4566B	GR.SC.CIMPINA	Education	R1	AS	33.84	52.4							Activated Sludge
4005A	FILIPESITII DE TURG	Education	R2	W/O	8.77	50.0							Activated Sludge
4554A	ELECTROUTILAJ	Electrical	DS	CO	385.40	1652.4	171.5	1244.4				0.041	Activated Sludge
4033A	S.C. CONCORDIA S.A.	Electrical	R1	CO	90.87	1652.4							Activated Sludge
4047A	F.E. PLOIESTI	Electricity/Gas/Water Supply	R1	CO	16517.68	27.0	301.7	24.6	23.0		0.047		Flotation
4020A	SALSI SINALA	Food/Beverage	DS	AS	218.08	842.9							Activated Sludge
4094A	PROLA-PLOIESTI	Food/Beverage	DS	AS	384.15	842.9							Activated Sludge
4136A	PRAHOVA	Food/Beverage	DS	AS	124.08	842.9							Activated Sludge
4139A	EXTRAPAN SEDIU	Food/Beverage	DS	AS	65.17	842.9							Activated Sludge
4143B	L.N.C.A.F. PLOIESTI	Food/Beverage	DS	AS	366.60	1137.6							Rehabilitation
4217A	VIDELMAR SEDIU	Food/Beverage	DS	AS	72.38	842.9							Activated Sludge
4311A	COCA COLA PLOIESTI	Food/Beverage	DS	AS	413.60	548.1	303.0	214.4					Rehabilitation
4350A	ACROCOM PLOIESTI	Food/Beverage	DS	CO	53.27	796.1							Activated Sludge
4006A	BERE AZUGA	Food/Beverage	R1	AS	897.39	58.2	221.2	33.2	26.8		0.025		Rehabilitation
4115A	CALUGARBASCA	Food/Beverage	R1	AS	50.13	54.2							Activated Sludge
4139B	EXTRAPAN SEDIU	Food/Beverage	R1	AS	48.25	56.2							Activated Sludge
4223A	CONSERVE MAGURELE	Food/Beverage	R1	AS	564.00	56.2							Activated Sludge
4136B	PRAHOVA	Food/Beverage	R2	W/O	149.15	31.2							Sand Filter
4010A	SPITALUL AZUGA	Health/Social Work	R1	AS	80.84	1769	217.8	140.8					Activated Sludge
4092A	SPIT. T.B.C. DRAINA	Health/Social Work	R1	AS	15.04	298.2	335.7	165.9	10.6				Activated Sludge
4239A	CIORANI	Health/Social Work	R1	AS	7.52	174.6							Activated Sludge
4507A	MISLEA	Health/Social Work	R1	AS	115.93	48.7	401.4	150.1					Activated Sludge
4591A	SPITAL BREAZA	Health/Social Work	R1	AS	39.48	174.6							Activated Sludge
4592A	SPITAL VOILA	Health/Social Work	R1	AS	174.84	174.6							Activated Sludge
4003A	SPITALUL FILIP.TG.	Health/Social Work	R2	W/O	15.98	200.0							Activated Sludge
4016A	CERBUL SINALA	Hotel/Restaurant	R1	AS	52.00	190.0							Activated Sludge
4019A	S.C.ALPIN S.A. COTA 1400	Hotel/Restaurant	R1	AS	65.87	190.0							Activated Sludge
4218A	CABANA CDORULUI	Hotel/Restaurant	R1	AS	6.93	190.0							Activated Sludge
4242A	COMPLEX MUZEAL POSADA	Hotel/Restaurant	R1	AS	35.36	190.0							Activated Sludge
4140A	SECTIA LO PLOIESTI	Land Transport	R1	CO	10.03	380.8	234.1	23.5					Activated Sludge

Table E.5.6 Necessity of Treatment Plant in case of 4.3 % Growth Rate (2/2)

Code	Name of Factory	Activity Type	Discharge Type	Treat-ment	Average V (10 ³ m ³ /y)	BOD (mg/l)	SS (mg/l)	COD (mg/l)	Oil (mg/l)	CN (mg/l)	Phenol (mg/l)	Cd (mg/l)	Improvement Plan
4042A	AVICOLA PLOIESTI-BILOYI Farm	Livestock Farm	R 1	AS	70.00	767.0							Activated Sludge
4082A	COMPORSA STANCESTI	Livestock Farm	R 1	AS	211.00	1249.0							Activated Sludge
4270A	CERES S.A.	Livestock Farm	R 1	AS	30.67	767.0							Activated Sludge
4277A	S.C. AGROS SCAIENI	Livestock Farm	R 1	AS	25.00	284.9							Activated Sludge
4275A	COPIMEX BRAZI	Livestock Farm (small)	R 1	AS	72.00	767.0							Activated Sludge
4039A	HIDROJET BREAZA	Machinery/Equipment	DS	CO	1052.17	59.5	44.2	107.1	37.9	0.000			0.000 Rehabilitation
4560A	CAMBIXP	Machinery/Equipment	DS	CO	104.03	8.4		74.8	40.8	0.027			0.017 Rehabilitation
4160B	UPETROM PLOIESTI	Machinery/Equipment	R 1	CO	1260.85	40.5							Rehabilitation
4211A	SECTIA IZVOARE	Machinery/Equipment	R 1	CO	171.08	40.5							Rehabilitation
4292A	S.C. PETROUTILAJ S.A	Machinery/Equipment	R 1	CO	182.36	40.5	314.5	155.9	11.5				Rehabilitation
4292C	S.C. PETROUTILAJ S.A	Machinery/Equipment	R 1	CO	291.40	40.5	309.2	31.0	15.3				Rehabilitation
4100B	U.M. PLOPENI	Machinery/Equipment	R 2	W/O	275.11	16.8	67.8	11.5	8.3	0.005			0.015 Sand Filter
4141A	24-IANUARIE	Machinery/Equipment	R 2	W/O	220.59	8.2	79.0	6.7	23.1				Sand Filter
4114A	TROMET	Metal Products Fabricated	DS	CO	90.87	27.4	185.2	32.5		0.610			0.200 Rehabilitation
4147A	DACIA PLOIESTI	Metal Products Fabricated	R 1	CO	224.35	8.6	102.6	4.9	7.0				Rehabilitation
4095A	STICLOVAL VALENI	Mining/Quarrying	R 1	CO	69.56	19.6	173.4	3.6	0.5				Rehabilitation
4004B	SINTEREF AZUGA	Non-Metallic Mineral	R 1	CO	119.69	11.1	143.4		0.2				Rehabilitation
4009A	STIAZ AZUGA	Non-Metallic Mineral	R 1	CO	147.89	15.0	136.0	14.0	2.6				Rehabilitation
4213A	VULTRUL COMARNIC	Non-Metallic Mineral	R 1	CO	90.87	6.0	163.2	11.8					Rehabilitation
4014A	HARTIA BUSTENI	Paper/Paper Products	R 1	AS	6796.83	22.3	112.0	19.7					Rehabilitation
4102A	S.C. CAHRO S.A.	Paper/Paper Products	R 1	AS	888.61	45.1	115.9	244.8	1.6				Rehabilitation
4035A	S.C. STEAUA ROMANA SA	Petroleum Refinery	R 1	AS	4928.11	84.3	195.4	54.7	8.1		0.720		Activated Sludge
4039A	VICTORJA FLORESTI	Petroleum Refinery	R 1	AS	8704.40	22.1	173.4	8.7	4.8				Rehabilitation
4051A	S.C. PETROBRAZI S.A.	Petroleum Refinery	R 1	AS	27785.77	178.2	360.5	119.2	35.8		0.626	0.054	Rehabilitation
4091A	S.C. CHIMFOREX BUCOV	Petroleum Refinery	R 1	AS	52.01	108.0							Activated Sludge
4137A	S.C. VEGA S.A.	Petroleum Refinery	R 1	AS	547.71	92.3	123.2	195.5	42.4		0.317		Activated Sludge
4148A	S.C. PETROTEL S.A PL.	Petroleum Refinery	R 1	AS	16089.67	105.6	338.0	105.1	67.1		1.136		Activated Sludge
4149B	PETROTRANS PLOIESTI	Petroleum Refinery	R 1	AS	55.77	93.1	539.4	126.3					Activated Sludge
4158A	S.C. ASTRA ROMANA SA	Petroleum Refinery	R 1	AS	13279.69	181.1	315.5	223.5	54.0	0.000	0.827		Rehabilitation
4335A	STATIA SOL CHEIA	Post/Telecommunication	R 1	AS	5.64	14.2	141.1	44.4					Rehabilitation
4298A	UNIT. TERR. 440	Public Administration/Defense	R 1	AS	11.28	12.6	115.9	9.8					Rehabilitation
4138A	PROGRESUL PLOIESTI	Rubber/Plastic Products	R 1	CO	581.55	6.3	103.7	1.4	3.4	0.000			Rehabilitation
4318A	PKAHOVEANA PLOIESTI	Tanning/Dressing Leather	DS	CO	99.64	106.7	201.1	191.6	90.4	0.125			0.002 Flotation
4007A	POSTAV AZUGA	Textiles	R 1	AS	662.39	97.3	432.1	53.2	11.6				Rehabilitation
4017A	S.E.P.P.L. CIMPINA	Wood	R 1	CO	127.84	237.7							Activated Sludge
4017B	S.E.P.P.L. CIMPINA	Wood	R 1	CO	7.52	237.7							Activated Sludge
4025A	COMARNIC	Wood	R 1	CO	33.84	237.7							Activated Sludge
4089A	S.E.P.P.L. MANECIU	Wood	R 1	CO	39.48	454.9	603.5	355.8		0.078	0.272		Activated Sludge
4101A	GES SCAIENI	Wood	R 1	CO	128.47	20.5	390.2	12.9	3.6				Rehabilitation

Note R1: River with treatment, R2: River without treatment, DS: Domestic Sewer System

Table E.5.7 Necessity of Treatment Plant in Case of 2.7 % Growth Rate (1/2)

Code	Name of Factory	Activity Type	Discharge Type	Treatment	Average V (10 ⁻³ m ³ /y)	BOD (mg/l)	SS (mg/l)	COD (mg/l)	Oil (mg/l)	CN (mg/l)	Phenol (mg/l)	Cd (mg/l)	Improvement Plan
4106A	REAL PLEASA	Basic Metals	R1	CO	521	18.8	229.1	11.1	29.4				Rehabilitation
4112A	ARPACOR	Chemicals/Chemical Products	R2	W/O	160.92	8.9	45	4.5	5.2				Sand Filter
4103A	SOCERAM BUCOV	Construction	R1	AS	209.1	12.5	113.1	8.3	8				Rehabilitation
4103B	SOCERAM BUCOV	Construction	R1	AS	18.87	16.5		12.8					Rehabilitation
4150A	MATIZOL	Construction	R1	AS	503.12	51.4	394.3	33.6	4.1	0.029	0.017	0.001	Rehabilitation
4209A	PREFABRICATE BLEIOI	Construction	R1	AS	45.69	31.9							Rehabilitation
4322A	T.C.I. PLOIESTI	Construction	R2	W/O	19.37	22							Sand Filter
4551A	S.C. APASCO S.A. MANECIU	Construction	R2	W/O	10.43	22							Sand Filter
4551B	S.C. APASCO S.A. MANECIU	Construction	R2	W/O	8.94	22							Sand Filter
4166A	MANASTIREA SUZANA	Education	R1	AS	5.96	42.2							Activated Sludge
4566B	GR.SC.CIMPINA	Education	R1	AS	26.82	42.2							Activated Sludge
4005A	SCOALA AJUTA TOARE FILIPESTII D	Education	R2	W/O	6.95	30							Activated Sludge
4554A	ELECTROUTILAJ	Electrical Machinery/Apparatu	DS	CO	305.45	1409.4		146.3	106.4			0.035	Activated Sludge
4033A	S.C. CONCORDIA S.A.	Electrical Machinery/Apparatu	R1	CO	72.02	1409.4							Activated Sludge
4037A	F.E. PLOIESTI	Electricity/Gas/Water Supply	R1	CO	13091.14	23.1	257.3	21	19.6				Flotation
4030A	SALSI SINAIA	Food/Beverage	DS	AS	172.84	679							Activated Sludge
4094A	PROLA-PLOIESTI	Food/Beverage	DS	AS	304.46	679							Activated Sludge
4136A	S.C. VINALCOOL S.A. PRAHOVA	Food/Beverage	DS	AS	98.34	679							Activated Sludge
4139A	EXTRAPAN SEDIU	Food/Beverage	DS	AS	51.65	679							Activated Sludge
4143B	I.N.C.A.F. PLOIESTI	Food/Beverage	DS	AS	290.55	916.4							Rehabilitation
4317A	VIDELMAR SEDIU	Food/Beverage	DS	AS	57.37	679							Activated Sludge
4311A	COCA COLA PLOIESTI	Food/Beverage	DS	AS	327.8	441.5		172.7					Rehabilitation
4350A	AGROCOM PLOIESTI	Food/Beverage	DS	CO	42.22	679							Activated Sludge
4006A	BERE AZUGA	Food/Beverage	R1	AS	711.23	469		178.2	26.7	21.6	0.02		Rehabilitation
4115A	I.C.V.V. VALEA CALUGAREASCA	Food/Beverage	R1	AS	39.73	43.6							Activated Sludge
4139B	EXTRAPAN SEDIU	Food/Beverage	R1	AS	38.24	45.2							Activated Sludge
4223A	CONSERVE MAGURELE	Food/Beverage	R1	AS	447	45.2							Activated Sludge
4136B	S.C. VINALCOOL S.A. PRAHOVA	Food/Beverage	R2	W/O	118.21	31.2							Sand Filter
4010A	SPITALUL AZUGA	Health/Social Work	R1	AS	64.07	142.5	175.5	113.4					Activated Sludge
4092A	SPIT. T.B.C. DRAJINA	Health/Social Work	R1	AS	11.92	240.3	270.4	139.7	8.6				Activated Sludge
4239A	SECTIA EXTERIOARA CIORANI	Health/Social Work	R1	AS	5.96	140.7							Activated Sludge
4507A	CAMINUL DE BATRINI MISLEA	Health/Social Work	R1	AS	91.88	39.2	323.4	120.9					Activated Sludge
4591A	SPITAL BREAZA	Health/Social Work	R1	AS	31.29	140.7							Activated Sludge
4593A	SPITAL VOILA	Health/Social Work	R1	AS	138.57	140.7							Activated Sludge
4003A	SPITALUL FILIP.TG.	Health/Social Work	R2	W/O	12.67	200							Activated Sludge
4016A	CERBUL SINAIA	Hotel/Restaurant	R1	AS	52	190							Activated Sludge
4019A	S.C. ALPIN S.A. COTA 1400	Hotel/Restaurant	R1	AS	65.87	190							Activated Sludge
4218A	CABANA CIORULUI	Hotel/Restaurant	R1	AS	6.93	190							Activated Sludge
4342A	COMPLEX MUZEAL POSADA	Hotel/Restaurant	R1	AS	35.36	190							Activated Sludge
4140A	SECTIA L6 PLOIESTI	Land Transport	R1	CO	7.95	324.8		191.1	20				Activated Sludge

Table E.5.7 Necessity of Treatment Plant in Case of 2.7% Growth Rate (2/2)

Code	Name of Factory	Activity Type	Discharge Type	Treatment	Average v (10 ⁻³ m ³ /y)	BOD (mg/l)	SS (mg/l)	COD (mg/l)	Oil (mg/l)	CN (mg/l)	Phenol (mg/l)	Cd (mg/l)	Improvement Plan
4042A	AVICOLA PLOIESTI-Blejan Farm	Livestock Farm	R1	AS	70	767							Activated Sludge
4082A	COMPORSA STANCESTI	Livestock Farm	R1	AS	211	1249							Activated Sludge
4270A	S.C. AGROINDUSTRIALA CERES S.A	Livestock Farm	R1	AS	30.67	767							Activated Sludge
4577A	S.C. AGROS SCAIENI	Livestock Farm	R1	AS	25	284.9							Activated Sludge
4273A	COPIMEX BRAZI	Livestock Farm (small)	R1	AS	72	767							Activated Sludge
4029A	HIDROJET BREAZA	Machinery/Equipment	DS	CO	833.9	50.8	37.7	91.4	32.3	0	0	0	Rehabilitation
4560A	CAMEXIP	Machinery/Equipment	DS	CO	82.45	7.1		63.8	34.8	0.023		0.015	Rehabilitation
4160B	UPETROM PLOIESTI	Machinery/Equipment	R1	CO	999.29	34.5							Rehabilitation
4211A	U.M. VALENI DE MUNTE-SECTIA 12	Machinery/Equipment	R1	CO	135.59	34.5							Rehabilitation
4292A	S.C. PETROUTILAJ S.A	Machinery/Equipment	R1	CO	144.53	34.5	268.3	135	9.8				Rehabilitation
4292C	S.C. PETROUTILAJ S.A	Machinery/Equipment	R1	CO	230.95	34.5	263.7	26.4	13.1				Rehabilitation
4100B	U.M. PLOPENI	Machinery/Equipment	R2	W/O	218.04	16.8	67.8	11.5	8.3	0.005		0.015	Sand Filter
4141A	24 IANUARIE	Machinery/Equipment	R2	W/O	174.83	8.2	79	6.7	23.1				Sand Filter
4314A	TROMET	Metal Products Fabricated	DS	CO	72.02	23.3	157.9	27.7		0.52		0.171	Rehabilitation
4147A	DACIA PLOIESTI	Metal Products Fabricated	R1	CO	177.81	7.3	87.5	4.2	6				Rehabilitation
4095A	STICLOVAL VALENI	Mining/Quarrying	R1	CO	55.13	16.8	147.9	3.1	0.4				Rehabilitation
4004B	SINTERREF AZUGA	Non-Metallic Mineral Product	R1	CO	94.86	9.4	122.3		0.1				Rehabilitation
4009A	STIAZ AZUGA	Non-Metallic Mineral Product	R1	CO	117.21	12.8	316	11.9	2.3				Rehabilitation
4213A	VITURUL COMARNIC	Non-Metallic Mineral Product	R1	CO	72.02	5.1	139.2	10.1					Rehabilitation
4014A	HARTIA BUSTENI	Paper/Paper Products	R1	AS	5386.85	18	90.2	15.8					Rehabilitation
4102A	S.C. CAIRO S.A.	Paper/Paper Products	R1	AS	704.27	36.3	93.3	197.2	1.3				Rehabilitation
4035A	S.C. STEAGA ROMANA SA	Petroleum Refinery	R1	AS	3905.79	67.9	157.4	44	6.5		0.58		Activated Sludge
4039A	VICTORIA FLORESTI	Petroleum Refinery	R1	AS	6898.7	17.8	139.7	7	3.9				Rehabilitation
4051A	S.C. PETROBRAZI S.A.	Petroleum Refinery	R1	AS	22021.7	143.5	290.4	96	28.9		0.504	0.044	Rehabilitation
4091A	S.C. CHIMFOREX BUCOV	Petroleum Refinery	R1	AS	41.22	87							Activated Sludge
4137A	S.C. VEGA S.A.	Petroleum Refinery	R1	AS	434.09	74.3	99.3	157.5	34.1		0.255		Activated Sludge
4148A	S.C. PETROTEL SA PL.	Petroleum Refinery	R1	AS	12751.92	85.1	272.3	84.7	54		0.915		Activated Sludge
4149B	PETROTRANS PLOIESTI	Petroleum Refinery	R1	AS	44.2	75	434.5	101.8					Activated Sludge
4158A	S.C. ASTRA ROMANA SA	Petroleum Refinery	R1	AS	10524.86	145.9	254.1	180	43.5		0.666		Rehabilitation
4335A	STATIA SOL CHEIA	Post/Telecommunication	R1	AS	4.47	11.5	33.7	35.8					Rehabilitation
4298A	UNIT. TERIT. 440	Public Administration/Defense	R1	AS	8.94	10.2	93.4	7.9					Rehabilitation
4138A	PROGRESUL PLOIESTI	Rubber/Plastic Products	R1	CO	460.91	5.4	88.5	1.2	2.9	0			Rehabilitation
4318A	PTAHOVEANA PLOIESTI	Tanning/Dressing Leather	DS	CO	78.97	91	1715.4	163.4	77.1	0.105		0.001	Flotation
4007A	POSTAV AZUGA	Textiles	R1	AS	524.98	78.4	348.1	42.9	9.3				Rehabilitation
4017A	S.E.P.L. CLIMPINA	Wood	R1	CO	101.32	202.7							Activated Sludge
4017B	S.E.P.L. CLIMPINA	Wood	R1	CO	5.96	202.7							Activated Sludge
4025A	SEPL PLOIESTI SEC. COMARNIC	Wood	R1	CO	26.82	202.7							Activated Sludge
4089A	S.E.P.L. MANECIU	Wood	R1	CO	31.29	368	514.8	286.4		0.067	0.232		Activated Sludge
4101A	GES SCAIENI	Wood	R1	CO	101.82	17.5	332.8	11	3				Rehabilitation

Note: R1: River with treatment, R2: River without treatment, DS: Domestic Sewer System

Table E.5.8 Construction and Rehabilitation Cost in Case of 4.3 % Growth Rate (1/2)

(Unit: 1000US\$)

DCode	Name of Factory	Activity Type	Treatment Plant		Construction Cost				Rehabilitation Cost				Total Cost			
			Existing	Plan	Civil	Mech.	Elec.	Indirect	VAT	Sub-total	Rehabili.	Indirect		VAT	Sub-total	
4106A	REAL PLEASA	Basic Metals	CO	RH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	76.9
4112A	ARPACOR	Chemicals/Chemical	W/O	SF	2.2	13.5	1.1	3.4	4.4	24.6	0.0	0.0	0.0	0.0	0.0	24.6
4103A	SOCERAM BUCOV	Construction	AS	RH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.5	102.9	102.9
4103B	SOCERAM BUCOV	Construction	AS	RH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	9.3	9.3
4150A	MATIZOL	Construction	AS	RH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.3	123.8	123.8
4209A	PREFABRICATE BLEJOI	Construction	AS	RH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	22.5	22.5
4322A	T.C.I. PLOIESTI	Construction	W/O	SF	0.6	0.7	0.3	0.3	0.4	2.3	0.0	0.0	0.0	0.0	0.0	2.3
4551A	SOCIETATEA	Construction	W/O	SF	0.3	0.4	0.2	0.2	0.2	1.2	0.0	0.0	0.0	0.0	0.0	1.2
4551B	SOCIETATEA	Construction	W/O	SF	0.3	0.3	0.2	0.1	0.2	1.0	0.0	0.0	0.0	0.0	0.0	1.0
4005A	SCOALA AJUTATOARE	Education	W/O	AS	64.3	38.2	23.8	36.9	48.7	269.9	0.0	0.0	0.0	0.0	0.0	269.9
4166A	MANASTIREA SUZANA	Education	AS	AS	57.9	34.6	22.2	22.9	30.3	167.9	0.0	0.0	0.0	0.0	0.0	167.9
4566B	GR.SC.CIMPINA	Education	AS	AS	253.3	137.2	81.9	94.5	124.7	691.6	0.0	0.0	0.0	0.0	0.0	691.6
4033A	S.C. CONCORDIA S.A.	Electrical	CO	AS	391.4	342.1	146.1	175.9	232.2	1,287.7	24.2	4.8	6.4	35.4	1,323.1	1,323.1
4554A	ELECTROUTILAJ	Electrical	CO	AS	352.1	307.7	131.4	158.3	208.9	1,158.5	18.7	3.7	4.9	27.4	1,185.9	1,185.9
4047A	F.E. PLOIESTI	Electricity/Gas/Water	CO	FL	14.5	90.3	9.0	22.8	30.1	166.7	45.2	9.0	11.9	66.1	232.8	232.8
4006A	BERE AZUGA	Food/Beverage	AS	RH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.5	169.1	169.1
4115A	I.C.V.V.VALEA	Food/Beverage	AS	AS	139.6	95.0	40.5	55.0	72.6	402.6	13.5	2.7	3.2	19.4	422.0	422.0
4139B	EXTRAPAN SEDIU	Food/Beverage	AS	AS	144.7	91.4	39.0	55.0	72.6	402.7	10.4	2.1	2.5	14.9	417.6	417.6
4223A	CONSERVE MAGURELE	Food/Beverage	AS	AS	965.0	762.2	379.2	421.3	556.1	3,083.6	75.6	15.1	18.2	109.0	3,192.6	3,192.6
4136B	S.C.VINALCOOL S.A	Food/Beverage	W/O	SF	2.2	13.1	1.2	3.3	4.4	24.2	0.0	0.0	0.0	0.0	0.0	24.2
4020A	SALSI SINAJA	Food/Beverage	AS	AS	403.4	318.3	173.0	178.9	236.2	1,309.9	35.1	7.0	8.5	50.6	1,360.4	1,360.4
4094A	PROLA-PIOIESTI	Food/Beverage	AS	AS	677.7	550.2	304.7	306.5	404.6	2,243.6	61.8	12.4	14.9	89.1	2,332.7	2,332.7
4136A	S.C.VINALCOOL S.A	Food/Beverage	AS	AS	238.8	201.2	100.1	108.0	142.6	790.8	23.5	4.7	5.6	33.6	824.3	824.3
4139A	EXTRAPAN SEDIU	Food/Beverage	AS	AS	167.4	123.4	52.6	68.7	90.7	502.8	0.0	2.8	3.4	6.2	525.0	525.0
4143B	I.N.C.A.F. PLOIESTI	Food/Beverage	AS	RH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.2	40.0	40.0
4217A	VIDELMAR SEDIU	Food/Beverage	AS	AS	170.3	136.9	58.4	73.1	96.5	535.2	15.5	3.1	3.7	22.4	557.6	557.6
4311A	COCA COLA PLOIESTI	Food/Beverage	AS	RH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.8	76.7	76.7
4350A	AGROCOM PLOIESTI	Food/Beverage	CO	AS	153.6	100.7	42.9	59.4	78.5	435.1	11.4	2.3	2.8	16.4	451.5	451.5
4003A	SPITALUL FILIP.TG.	Health/Social Work	W/O	AS	116.2	69.1	43.0	45.7	60.3	334.2	0.0	0.0	0.0	0.0	0.0	334.2
4010A	SPITALUL AZUGA	Health/Social Work	AS	AS	345.8	305.9	130.4	156.4	206.5	1,145.0	0.0	0.0	0.0	0.0	0.0	1,145.0
4092A	SPT. T.B.C. DRAJNA	Health/Social Work	AS	AS	109.4	65.0	40.4	43.0	56.7	314.5	0.0	0.0	0.0	0.0	0.0	314.5
4239A	SECTIA EXTERIOARA	Health/Social Work	AS	AS	57.9	34.6	22.2	22.9	30.3	167.9	0.0	0.0	0.0	0.0	0.0	167.9
4507A	CAMINUL DE BATRINI	Health/Social Work	AS	AS	496.2	376.2	187.2	211.9	279.7	1,551.1	0.0	0.0	0.0	0.0	0.0	1,551.1
4591A	SPITAL BREAZA	Health/Social Work	AS	AS	211.1	149.4	84.9	89.1	117.6	652.1	0.0	0.0	0.0	0.0	0.0	652.1
4593A	SPITAL VOILA	Health/Social Work	AS	AS	654.4	519.8	282.1	291.3	384.5	2,132.0	0.0	0.0	0.0	0.0	0.0	2,132.0
4016A	CERRUL SINAJA	Hotel/Restaurant	AS	AS	227.9	199.5	85.5	102.6	135.4	750.9	0.0	0.0	0.0	0.0	0.0	750.9
4019A	S.C.ALPIN S.A. COTA	Hotel/Restaurant	AS	AS	289.0	252.9	108.4	130.1	171.7	952.1	0.0	0.0	0.0	0.0	0.0	952.1
4218A	CABANA C.DORULUI	Hotel/Restaurant	AS	AS	54.2	32.0	20.7	21.4	28.2	156.4	0.0	0.0	0.0	0.0	0.0	156.4
4342A	COMPLEX MUZEAL	Hotel/Restaurant	AS	AS	217.0	155.6	77.5	86.0	113.6	629.7	0.0	0.0	0.0	0.0	0.0	629.7
4140A	SECTIA L6 PLOIESTI	Land Transport	CO	AS	72.5	43.1	26.8	28.5	37.6	208.4	0.5	0.1	0.1	0.8	209.2	209.2
4042A	AVICOLA PLOIESTI	Landstock Farm	AS	AS	306.8	268.5	115.1	138.1	182.3	1,010.8	0.0	0.0	0.0	0.0	0.0	1,010.8

Table E.5.8 Construction and Rehabilitation Cost in Case of 4.3 % Growth Rate (2/2)

(Unit: 1000US\$)

DCode	Name of Factory	Activity Type	Treatment Plant		Construction Cost			Rehabilitation Cost			Total Cost		
			Existing	Plan	Eluc.	Indirect	VAT	Sub-total	Rehabilit.	Indirect		VAT	Sub-total
4082A	COMPORSA STANCESII Livestock Farm		AS	AS	786.2	578.1	346.8	342.2	431.7	2,305.1	0.0	0.0	2,305.1
4270A	S.C. AGROINDUSTRIALA Livestock Farm		AS	AS	188.4	117.8	67.3	74.7	98.6	546.7	0.0	0.0	546.7
4577A	S.C. AGROS SCAIENI Livestock Farm		AS	AS	315.6	276.2	138.1	146.0	192.7	1,068.5	0.0	0.0	1,068.5
4273A	COPIMEX BRAZI Livestock Farm		AS	AS	186.3	109.6	61.6	71.5	94.4	523.4	0.0	0.0	523.4
4160B	UPEFROM PLOIESTI Machinery/Equipment		CO	RH	0.0	0.0	0.0	0.0	0.0	0.0	100.7	20.1	147.4
4211A	U.M. VALENTI DE Machinery/Equipment		CO	RH	0.0	0.0	0.0	0.0	0.0	0.0	22.8	4.6	33.3
4292A	S.C. PETROUTILAJ S.A. Machinery/Equipment		CO	RH	0.0	0.0	0.0	0.0	0.0	0.0	24.3	4.9	35.5
4292C	S.C. PETROUTILAJ S.A. Machinery/Equipment		CO	RH	0.0	0.0	0.0	0.0	0.0	0.0	38.8	7.8	56.8
4100B	U.M. PLOPENI Machinery/Equipment		W/O	SF	2.9	18.3	1.5	4.5	6.0	33.3	0.0	0.0	33.3
4141A	24 IANUARIE Machinery/Equipment		W/O	SF	2.4	14.7	1.2	3.6	4.8	26.7	0.0	0.0	26.7
4029A	HIDROJET BREAZA Machinery/Equipment		CO	RH	0.0	0.0	0.0	0.0	0.0	0.0	84.0	16.8	123.0
4560A	CAMENP Machinery/Equipment		CO	RH	0.0	0.0	0.0	0.0	0.0	0.0	8.3	1.7	12.1
4147A	DACIA PLOIESTI Metal Products		CO	RH	0.0	0.0	0.0	0.0	0.0	0.0	17.9	3.6	26.2
4314A	TROMET Metal Products		CO	RH	0.0	0.0	0.0	0.0	0.0	0.0	7.2	1.4	10.6
4095A	STICLOVAL VALENI Mining/Quarrying		CO	RH	0.0	0.0	0.0	0.0	0.0	0.0	11.8	2.4	17.3
4004B	SINTERREF AZUGA Non-Metallic Mineral		CO	RH	0.0	0.0	0.0	0.0	0.0	0.0	17.6	3.5	25.8
4009A	STIAZ AZUGA Non-Metallic Mineral		CO	RH	0.0	0.0	0.0	0.0	0.0	0.0	20.6	4.1	30.2
4213A	VULTURUL COMARNIC Non-Metallic Mineral		CO	RH	0.0	0.0	0.0	0.0	0.0	0.0	14.4	2.9	21.0
4014A	HARTIA BUSTENI Paper/Paper Products		AS	RH	0.0	0.0	0.0	0.0	0.0	0.0	44.6	8.9	65.3
4102A	S.C. CAHIRO S.A. Paper/Paper Products		AS	RH	0.0	0.0	0.0	0.0	0.0	0.0	118.4	23.7	173.3
4035A	S.C. STEAUA ROMANA Petroleum Refinery		AS	AS	1,141.1	1,111.7	1,018.7	654.3	863.7	4,789.4	106.2	21.2	4,944.9
4039A	VICTORIA FLORESTI Petroleum Refinery		AS	RH	0.0	0.0	0.0	0.0	0.0	0.0	205.2	41.0	300.4
4051A	S.C. PETROBRAZI S.A. Petroleum Refinery		AS	RH	0.0	0.0	0.0	0.0	0.0	0.0	1,161.1	232.2	1,699.9
4091A	S.C. CHIMFOREX Petroleum Refinery		AS	RH	305.4	198.0	113.1	123.3	162.8	902.5	12.7	2.5	921.2
4137A	S.C. VEGA S.A. Petroleum Refinery		AS	AS	704.2	586.8	293.4	316.9	418.3	2,319.5	67.0	13.4	2,417.7
4148A	S.C. PETROTEL SA PL. Petroleum Refinery		AS	AS	1,840.9	1,456.2	1,358.3	931.1	1,229.0	6,815.4	614.5	122.9	7,751.1
4149B	PETROTRANS PLOIESTI Petroleum Refinery		AS	AS	327.5	212.2	121.3	132.2	174.5	967.7	13.7	2.7	987.7
4158A	S.C. ASTRA ROMANA SA Petroleum Refinery		AS	RH	0.0	0.0	0.0	0.0	0.0	0.0	554.9	111.0	812.4
4535A	STATIA SOL CHEIA Post/Telecommunicati		AS	RH	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.3	2.2
4298A	UNIT. TERIT. 440 Public		AS	RH	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.6	4.4
4138A	PROGRESUL PLOIESTI Rubber/Plastic		CO	RH	0.0	0.0	0.0	0.0	0.0	0.0	46.5	9.3	68.0
4318A	PRAHOVEANA PLOIESTI Tanning/Dressing		CO	FL	2.4	15.2	1.5	3.8	5.1	28.1	0.0	0.0	28.1
4007A	POSTAV AZUGA Textiles		AS	RH	0.0	0.0	0.0	0.0	0.0	0.0	309.0	61.8	452.4
4017A	S.E.P.P.L. CIMPINA Wood		CO	AS	492.1	414.6	206.3	222.6	293.8	1,629.5	10.2	2.0	1,644.4
4017B	S.E.P.P.L. CIMPINA Wood		CO	AS	57.9	34.6	22.2	22.9	30.3	167.9	1.0	0.2	169.4
4023A	SEPL PLOIESTI SEC. Wood		CO	AS	217.1	137.2	77.3	86.3	114.0	631.9	4.5	0.9	638.5
4089A	S.E.P.P.L. MANECIU Wood		CO	AS	253.3	160.1	90.2	100.7	133.0	737.3	5.3	1.1	745.0
4101A	GES SCAIENI Wood		CO	RH	0.0	0.0	0.0	0.0	0.0	0.0	10.2	2.0	15.0
					14,181.6	11,249.8	6,750.8	6,448.1	8,511.4	47,199.8	4,462.8	892.8	63,263.3

Table E.5.9 Construction and Rehabilitation Cost in Case of 2.7 % Growth Rate (1/2)

(Unit: 1000 US\$)

D Code	Name of Factory	Activity Type	Treatment Plant		Construction Cost				Rehabilitation Cost		Sub-total	Sub-total	Total Cost	
			Existing	Plan	Civil	Mech.	Elec.	Indirect	VAI	Sub-total				Rehabilit.
4106A	REAL PLEASA	Basic Metals	CO	RH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.6
4112A	ARPACOR	Chemicals/Chemical Pro	W/O	SF	1.8	11.4	0.9	2.8	3.7	20.6	0.0	0.0	0.0	20.6
4103A	SOCERAM BUCOV	Construction	AS	RH	0.0	0.0	0.0	0.0	0.0	0.0	59.0	11.7	11.7	86.4
4103B	SOCERAM BUCOV	Construction	AS	RH	0.0	0.0	0.0	0.0	0.0	0.0	5.3	1.4	1.4	7.8
4150A	MATIZOL	Construction	AS	RH	0.0	0.0	0.0	0.0	0.0	0.0	71.0	14.2	18.8	104.0
4209A	PREFABRICATE BLEIOI	Construction	AS	RH	0.0	0.0	0.0	0.0	0.0	0.0	12.9	2.6	3.4	18.9
4322A	T.C.I. PLOIESTI	Construction	W/O	SF	0.5	0.5	0.3	0.3	0.3	1.9	0.0	0.0	0.0	1.9
4551A	SOCIETATEA COMERCIALA	Construction	W/O	SF	0.3	0.3	0.1	0.1	0.2	1.0	0.0	0.0	0.0	1.0
4551B	SOCIETATEA COMERCIALA	Construction	W/O	SF	0.2	0.3	0.1	0.1	0.2	0.9	0.0	0.0	0.0	0.9
4166A	MANASTIREA SUZANA	Education	AS	AS	48.3	28.5	18.4	19.0	25.1	139.4	0.0	0.0	0.0	139.4
4566B	GR.SC.CIMPINA	Education	AS	AS	211.2	113.1	67.9	78.4	103.5	574.2	0.0	0.0	0.0	574.2
4005A	SCOALA AJUTATOARE FILII	Education	W/O	AS	53.6	31.5	19.7	30.6	40.4	223.9	0.0	0.0	0.0	223.9
4033A	S.C. CONCORDIA S.A.	Electrical Machinery/Ap	CO	AS	323.8	283.4	121.4	145.7	192.4	1,066.7	20.3	4.1	5.4	29.7
4554A	ELECTROUTILAJ	Electrical Machinery/Ap	CO	AS	291.3	254.9	109.2	131.1	173.1	959.7	15.7	3.1	4.1	23.0
4047A	F.E. PLOIESTI	Electricity/Gas/Water St	CO	FL	12.1	75.6	7.6	19.0	25.1	139.4	37.9	7.6	10.0	55.5
4006A	BERE AZUGA	Food/Beverage	AS	RH	0.0	0.0	0.0	0.0	0.0	0.0	96.4	19.3	25.4	141.1
4115A	I.C.V.V.VALEA CALUGAREA	Food/Beverage	AS	AS	116.4	78.3	33.6	45.6	60.3	334.1	11.2	2.2	3.0	16.4
4139B	EXTRAPAN SEDIU	Food/Beverage	AS	AS	120.6	75.4	32.3	45.7	60.3	334.2	8.6	1.7	2.3	346.9
4223A	CONSERVE MAGURELE	Food/Beverage	AS	AS	804.6	628.6	314.3	349.5	461.3	2,558.2	63.1	12.6	16.7	92.4
4136B	S.C. VINALCOOL S.A. PRAHO	Food/Beverage	W/O	SF	1.9	11.0	1.0	2.8	3.6	20.2	0.0	0.0	0.0	20.2
4020A	SALSI SINAJA	Food/Beverage	AS	AS	336.4	262.5	143.4	148.5	196.0	1,086.7	29.3	5.9	7.7	42.9
4094A	PROLA-PLOIESTI	Food/Beverage	AS	AS	565.0	453.7	252.5	254.3	335.6	1,861.2	51.6	10.3	13.6	75.5
4136A	S.C. VINALCOOL S.A. PRAHO	Food/Beverage	AS	AS	199.1	165.9	83.0	89.6	118.3	655.9	19.4	3.9	5.1	28.5
4139A	EXTRAPAN SEDIU	Food/Beverage	AS	AS	139.6	101.8	43.6	57.0	75.2	417.2	11.7	2.3	3.1	28.5
4143B	I.N.C.A.F. PLOIESTI	Food/Beverage	AS	RH	0.0	0.0	0.0	0.0	0.0	0.0	49.2	9.8	13.0	72.1
4217A	VIDELMAR SEDIU	Food/Beverage	AS	AS	142.0	112.9	48.4	60.7	80.1	444.0	13.0	2.6	3.4	19.0
4311A	COCA COLA PLOIESTI	Food/Beverage	AS	RH	0.0	0.0	0.0	0.0	0.0	0.0	44.4	8.9	11.7	65.0
4350A	AGROCOM PLOIESTI	Food/Beverage	CO	AS	128.1	83.0	35.6	49.3	65.1	361.1	9.5	1.9	2.5	13.9
4010A	SPITALUL AZUGA	Health/Social Work	AS	AS	288.3	252.3	108.1	129.7	171.3	949.7	0.0	0.0	0.0	375.1
4092A	SPT. T.B.C. DRAJNA	Health/Social Work	AS	AS	91.2	53.6	33.5	35.7	47.1	261.1	0.0	0.0	0.0	949.7
4239A	SECTIA EXTERIOARA CIOR.	Health/Social Work	AS	AS	48.3	28.5	18.4	19.0	25.1	139.4	0.0	0.0	0.0	261.1
4507A	CAMINUL DE BATRINI MISI	Health/Social Work	AS	AS	413.7	310.3	155.1	175.8	232.1	1,286.9	0.0	0.0	0.0	1,394.4
4591A	SPITAL BREAZA	Health/Social Work	AS	AS	176.0	123.2	70.4	73.9	97.6	541.1	0.0	0.0	0.0	1,286.9
4593A	SPITAL VOILA	Health/Social Work	AS	AS	545.6	428.7	233.8	241.6	318.9	1,768.7	0.0	0.0	0.0	541.1
4003A	SPITALUL FILIP TG.	Health/Social Work	W/O	AS	96.9	57.0	35.6	37.9	50.0	277.4	0.0	0.0	0.0	1,768.7
4016A	CERBUL SINAJA	Hotel/Restaurant	AS	AS	227.9	199.5	85.5	102.6	135.4	750.9	0.0	0.0	0.0	277.4
4019A	S.C. ALPIN S.A. COTA 1400	Hotel/Restaurant	AS	AS	289.0	252.9	108.4	130.1	171.7	952.1	0.0	0.0	0.0	750.9
4218A	CABANA C.DORULUI	Hotel/Restaurant	AS	AS	54.2	32.0	20.7	21.4	28.2	156.4	0.0	0.0	0.0	952.1
4342A	COMPLEX MUZEAL POSAD.	Hotel/Restaurant	AS	AS	217.0	135.6	77.5	86.0	113.6	629.7	0.0	0.0	0.0	156.4
4140A	SECTIA L6 PLOIESTI	Land Transport	CO	AS	60.4	43.1	26.8	26.1	34.4	190.7	0.4	0.1	0.1	629.7
4042A	AVCOLA PLOIESTI	Fa Livestock Farm	AS	AS	306.8	268.5	115.1	138.1	182.5	1,010.8	0.0	0.0	0.0	191.4

Table E.5.9 Construction and Rehabilitation Cost in Case of 2.7 % Growth Rate (2/2)

(Unit:1000US\$)

DCode	Name of Factory	Activity Type	Treatment Plant	Civil		Mech	Construction Cost		Rehabilitation Cost		Sub-total	Total Cost
				Existing	Plan		Elec.	Indirect	Indirect	VAT		
4082A	COMPORSA STANCESTI	Livestock Farm	AS	AS	786.2	578.1	346.8	342.2	0.0	0.0	2,505.1	2,505.1
4270A	S.C. AGROINDUSTRIALA CE	Livestock Farm	AS	AS	188.4	117.8	67.3	74.7	0.0	0.0	546.7	546.7
4577A	S.C. AGROS SCAENI	Livestock Farm	AS	AS	315.6	276.2	138.1	146.0	0.0	0.0	1,068.5	1,068.5
4273A	COPISEX BRAZI	Livestock Farm (small)	AS	AS	186.3	109.6	61.6	71.5	0.0	0.0	523.4	523.4
4160B	UPETROM PLOIESTI	Machinery/Equipment	CO	RH	0.0	0.0	0.0	0.0	84.6	16.9	22.3	123.9
4211A	U.M. VALENI DE MUNTE-SI	Machinery/Equipment	CO	RH	0.0	0.0	0.0	0.0	19.1	3.8	5.1	28.0
4292A	S.C. PETROUTILAJ S.A.	Machinery/Equipment	CO	RH	0.0	0.0	0.0	0.0	20.4	4.1	5.4	29.9
4292C	S.C. PETROUTILAJ S.A.	Machinery/Equipment	CO	RH	0.0	0.0	0.0	0.0	32.6	6.5	8.6	47.7
4100B	U.M. PLOPENI	Machinery/Equipment	W/O	SF	2.5	15.3	1.2	3.8	0.0	0.0	27.8	27.8
4141A	24 IANUARIE	Machinery/Equipment	W/O	SF	2.0	12.3	1.0	3.0	0.0	0.0	22.3	22.3
4029A	HIDROJET BREAZA	Machinery/Equipment	CO	RH	0.0	0.0	0.0	0.0	70.6	14.1	18.6	103.4
4560A	CAMEXIP	Machinery/Equipment	CO	RH	0.0	0.0	0.0	0.0	7.0	1.4	1.8	10.2
4147A	DACIA PLOIESTI	Metal Products Fabricat	CO	RH	0.0	0.0	0.0	0.0	15.1	3.0	4.0	22.0
4314A	TROMET	Metal Products Fabricat	CO	RH	0.0	0.0	0.0	0.0	6.1	1.2	1.6	8.9
4095A	STICLOVAL VALENI	Mining/Quarrying	CO	RH	0.0	0.0	0.0	0.0	9.9	2.0	2.6	14.5
4009B	SINTERREF AZUGA	Non-Metallic Mineral Pt	CO	RH	0.0	0.0	0.0	0.0	14.8	3.0	3.9	21.7
4009A	STIAZ AZUGA	Non-Metallic Mineral Pt	CO	RH	0.0	0.0	0.0	0.0	17.3	3.5	4.6	25.3
4213A	VULTURUL COMARNIC	Non-Metallic Mineral Pt	CO	RH	0.0	0.0	0.0	0.0	12.1	2.4	3.2	17.7
4014A	HARTIA BUSTENI	Paper/Paper Products	AS	RH	0.0	0.0	0.0	0.0	37.5	7.5	9.9	54.9
4102A	S.C. CAHIRO S.A.	Paper/Paper Products	AS	RH	0.0	0.0	0.0	0.0	99.4	19.9	26.2	145.6
4035A	S.C. STEAUA ROMANA SA	Petroleum Refinery	AS	AS	947.4	923.0	845.8	543.2	97.0	19.4	25.6	4,118.6
4039A	VICTORIA FLORESTI	Petroleum Refinery	AS	RH	0.0	0.0	0.0	0.0	171.4	34.3	45.2	250.9
4051A	S.C. PETROBRAZI S.A.	Petroleum Refinery	AS	RH	0.0	0.0	0.0	0.0	969.9	194.0	256.0	1,419.9
4091A	S.C. CHIMFOREX BUCOV	Petroleum Refinery	AS	AS	246.6	159.8	91.3	99.6	11.7	2.3	3.1	745.8
4137A	S.C. VEGA S.A.	Petroleum Refinery	AS	AS	576.3	480.2	240.1	259.3	61.3	12.3	16.2	1,988.0
4148A	S.C. PETROTEL SA PL.	Petroleum Refinery	AS	AS	1,506.6	1,191.8	1,111.6	762.0	561.6	112.3	148.3	6,400.0
4149B	PETROTRANS PLOIESTI	Petroleum Refinery	AS	AS	264.4	171.4	97.9	106.7	12.5	2.5	3.3	799.6
4158A	S.C. ASTRA ROMANA SA	Petroleum Refinery	AS	RH	0.0	0.0	0.0	0.0	463.5	92.7	122.4	678.6
4535A	STATIA SOL CHELA	Post/Telecommunicator	AS	RH	0.0	0.0	0.0	0.0	1.3	0.3	0.3	1.8
4208A	UNIT. TERT. 440	Public Administration/D	AS	RH	0.0	0.0	0.0	0.0	2.5	0.5	0.7	3.7
4138A	PROGRESUL PLOIESTI	Rubber/Plastic Products	CO	RH	0.0	0.0	0.0	0.0	39.0	7.8	10.3	57.1
4318A	PRAHOVEANA PLOIESTI	Tanning/Dressing Leath	CO	FL	2.0	12.7	1.3	3.2	0.0	0.0	0.0	25.5
4007A	POSTAV AZUGA	Textiles	AS	RH	0.0	0.0	0.0	0.0	259.6	51.9	68.5	380.0
4017A	S.E.P.P.L. CIMPINA	Wood	CO	AS	492.1	414.6	206.3	222.6	8.6	1.7	2.3	1,642.0
4017B	S.E.P.P.L. CIMPINA	Wood	CO	AS	57.9	34.6	22.2	22.9	0.8	0.2	0.2	169.1
4025A	SEPL PLOIESTI SEC. COMA	Wood	CO	AS	217.1	137.2	77.3	86.3	3.8	0.8	1.0	5.5
4089A	S.E.P.P.L. MANECIU	Wood	CO	AS	253.3	160.1	90.2	100.7	4.4	0.9	1.2	6.5
4101A	GES SCAENI	Wood	CO	RH	0.0	0.0	0.0	0.0	8.6	1.7	2.3	12.6
					12,356.7	9,752.2	3,822.6	5,395.9	3,798.2	79.6	1,002.7	5,560.6

Table E.5.10 Operation and Maintenance Cost in Case of 4.3% and 2.7% Growth Rate (1/5)

(unit:1000US\$)

Code	Name of Factory	Activity Type	4.3%					2.7%				
			Chem.	Elec.	Man-Power	Total Cost	Chem.	Elec.	Man-Power	Total Cost		
			USS/d	USS/d	USS/d	USS/d 1000\$yr	USS/d	USS/d	USS/d	USS/d 1000\$yr		
4071 A	S.C.AGROMEC CIORANI S.A.	Agricultural Activities		0.3	1.3	1.6	0.6	0.3	1.3	1.6	0.6	
4098 A	AGROMEC.MAGURELE	Agricultural Activities		0.3	1.4	1.7	0.6	0.3	1.4	1.7	0.6	
4106 A	REAL.PLEASA	Basic Metals	76.6	127.6	31.0	235.2	85.8	99.9	24.6	184.4	67.3	
4547 A	CABLUL ROM.PLOIESTI	Basic Metals	2.6	4.4	3.8	10.8	3.9	3.4	3.0	8.5	3.1	
4112 A	ARPACOR	Chemicals/Chemical Products		27.8	22.3	50.1	18.3	22.0	17.6	39.7	14.5	
4124 A	S.C.DERO LEVER PLOIESTI	Chemicals/Chemical Products	51.3	85.5	41.5	178.3	65.1	67.8	32.9	141.3	51.6	
4321 A	S.C.VALDEN S.A.	Chemicals/Chemical Products	1.0	2.3	1.9	5.1	1.9	1.3	1.5	3.5	1.3	
4103 A	SOCERAM BUCOV	Construction	43.4	2.0	2.0	45.3	16.5	34.4	1.5	35.9	13.1	
4103 B	SOCERAM BUCOV	Construction		3.9	3.9	7.8	2.9	3.1	3.1	6.2	2.3	
4144 A	S.C.CIPROM MECTA	Construction		48.1	21.7	69.8	25.5	38.1	17.2	55.3	20.2	
4150 A	MATIZOL	Construction		104.4	34.8	139.2	50.8	82.7	27.6	110.3	40.3	
4209 A	PREFABRICATEBLEIJOI	Construction		9.5	8.7	18.2	6.6	7.5	6.9	14.4	5.3	
4221 A	CIPROM VEST	Construction		6.4	6.9	13.3	4.9	5.1	5.5	10.6	3.9	
4322 A	T.C.I.PLOIESTI	Construction		3.3	2.7	6.0	2.2	2.7	2.1	4.8	1.7	
4512 A	UBEMAR	Construction		32.4	14.6	46.9	17.1	25.6	11.5	37.2	13.6	
4548 A	ERMAT	Construction		1.8	1.4	3.2	0.0	0.0	0.0	0.0	0.0	
4551 A	S.C.COMERCIALA A	Construction		1.5	1.2	2.8	1.0	1.4	1.1	2.6	0.9	
4551 B	S.C.COMERCIALA A	Construction		1.5	1.2	2.8	1.0	1.2	1.0	2.2	0.8	
4037 A	S.P.BAICOI	Crude Oil Extraction	6.5	10.8	12.4	29.7	10.8	5.1	8.6	23.5	8.6	
4099 B	SCHELA BOLDESTI	Crude Oil Extraction	11.0	18.4	21.0	50.4	18.4	8.7	14.6	40.0	14.6	
4557 A	FORAJ SONDE PLOIESTI	Crude Oil Extraction	1.7	2.9	3.3	7.9	2.9	1.4	2.3	6.3	2.3	
4005 A	SCOALA AJUTATOARE FILIPE	Education	0.23	2.9	1.9	5.1	1.9	0.18	2.3	1.5	4.0	
4166 A	MANASTREA SUZANA	Education	0.20	2.5	1.6	4.3	1.6	0.16	2.0	1.3	3.4	
4225 A	TABERE SUZANA	Education										
4524 A	LICEUL BARCANESTI	Education										
4566 A	GR.SC.CIMPINA	Education										
4566 B	GR.SC.CIMPINA	Education										
4033 A	S.C.CONORDIA SA	Electrical Machinery /Apparatus	0.88	11.1	7.4	19.4	7.1	0.70	8.8	5.9	15.4	
4554 A	ELECTRONUTLAJ	Electrical Machinery /Apparatus	2.4	29.9	6.7	38.9	14.2	1.9	23.7	5.3	30.9	
4047 A	F.E.PLOIESTI	Electricity/Gas/Water Supply	10.0	26.9	28.5	65.4	23.9	8.0	21.5	22.6	51.8	
4006 A	BERE AZUGA	Food/Beverage	604.3	17.9	17.9	622.2	227.1	478.9	14.2	493.1	180.0	
4020 A	SALSII SINAIA	Food/Beverage	295.0	41.8	41.8	336.8	122.9	233.8	33.1	266.9	97.4	
4094 A	PROLA-PLOIESTI	Food/Beverage	35.8	10.2	10.2	46.0	16.8	28.4	8.1	36.5	13.5	
4115 A	I.C.V.V.VALEA CALUGAREASC	Food/Beverage	63.1	17.9	17.9	81.0	29.6	50.0	14.2	64.2	23.4	
4136 A	S.C.VINALCOOL S.A.PRAHOV	Food/Beverage	16.5	2.3	2.3	18.8	6.9	13.1	1.9	14.9	5.5	
		Food/Beverage	20.4	5.8	5.8	26.2	9.6	16.2	4.6	20.7	7.6	

Table E.5.10 Operation and Maintenance Cost in Case of 4.3% and 2.7% Growth Rate (2/5)

(unit:1000US\$)

Code	Name of Factory	Activity Type	4.30%				2.70%					
			Chem. USS/d	Elec. USS/d	Man-Power USS/d	Total Cost 1000\$y	Chem. USS/d	Elec. USS/d	Man-Power USS/d	Total Cost 1000\$y		
4136 B	S.C.VINALCOOL S.A.PRAHOV	Food/Beverage		20.4	16.3	36.8	13.4		16.2	12.9	29.1	10.6
4139 A	EXTRAPAN SEDIU	Food/Beverage		10.7	3.0	13.8	5.0		8.5	2.4	10.9	4.0
4139 B	EXTRAPAN SEDIU	Food/Beverage		7.9	2.3	10.2	3.7		6.3	1.8	8.1	2.9
4143 B	IN.C.A.F.PLOIESTI	Food/Beverage		60.3	20.1	80.4	29.3		47.8	15.9	63.7	23.2
4217 A	VIDELMAR SEDIU	Food/Beverage		11.9	3.4	15.3	5.6		9.4	2.7	12.1	4.4
4223 A	CONSERVE-MAGURELE	Food/Beverage		185.4	3.1	188.5	68.8		147.0	2.4	149.4	54.5
4311 A	COCA COLA PLOIESTI	Food/Beverage		68.0	2.3	70.3	25.6		53.9	1.8	55.7	20.3
4350 A	AGROCOM PLOIESTI	Food/Beverage		8.7	2.5	11.2	4.1		6.9	2.0	8.9	3.2
4159 A	FORADEX PLOIESTI	Furniture	2.2	3.7	5.8	11.6	4.2	1.7	2.9	4.6	9.2	3.4
4308 A	S.C.COMERCIALA A	Furniture	2.7	4.5	7.0	14.1	5.2	2.1	3.5	5.5	11.2	4.1
4320 A	FORADEX SCAIENI	Furniture										
4344 A	ANCOSTAR PLOIESTI	Furniture		2.5	4.3	8.4	3.1	1.2	2.0	3.4	6.6	2.4
4003 A	SPITALUL FILIP.TG	Health/Social Work	0.4	5.3	2.6	8.3	3.0	0.3	4.2	2.1	6.6	2.4
4010 A	SPITALUL AZUGA	Health/Social Work	2.1	26.6	11.1	39.8	14.5	1.7	21.1	8.8	31.5	11.5
4092 A	SPIT. T.B.C. DRAJNA	Health/Social Work	0.4	4.9	3.3	8.6	3.2	0.3	3.9	2.6	6.8	2.5
4239 A	SECTIA EXTERIOARA CIORANI	Health/Social Work	0.2	2.5	1.6	4.3	1.6	0.2	2.0	1.3	3.4	1.2
4507 A	CAMINUL DE BATRINI MISLEA	Health/Social Work	3.0	38.1	12.7	53.9	19.7	2.4	30.2	10.1	42.7	15.6
4515 A	SPITAL HEPATIA BAICOI	Health/Social Work		3.4	3.4	6.8	2.5		2.7	2.7	5.4	2.0
4564 A	SPITAL BAICOI	Health/Social Work		10.9	9.1	20.0	7.3		8.6	7.2	15.9	5.8
4591 A	SPITAL BREAZA	Health/Social Work	1.0	13.0	5.9	20.0	7.3	0.8	10.3	4.7	15.8	5.8
4593 A	SPITAL VOILA	Health/Social Work	4.6	57.5	12.9	75.0	27.4	3.6	45.6	10.3	59.4	21.7
4594 A	SPITAL ORAS CIMPINA	Health/Social Work		35.8	16.1	52.0	19.0		28.4	12.8	41.2	15.0
4016 A	CERBUL SINAIA	Hotel / Restaurant	1.4	17.1	3.8	22.3	8.1	1.4	17.1	3.8	22.3	8.1
4019 A	S.C.ALPIN S.A.COTA 1400	Hotel / Restaurant	1.7	21.7	4.9	28.3	10.3	1.7	21.7	4.9	28.3	10.3
4218 A	CABANA C.DORULUI	Hotel / Restaurant	0.2	2.3	1.5	3.9	1.4	0.2	2.3	1.5	3.9	1.4
4331 A	INTERNATIONAL SINAIA	Hotel / Restaurant		70.0	23.3	93.3	34.1		70.0	23.3	93.3	34.1
4342 A	COMPLEX MUZEAL POSADA	Hotel / Restaurant	0.9	11.6	2.6	15.2	5.5	0.9	11.6	2.6	15.2	5.5
4541 A	MONTANA	Hotel / Restaurant		56.3	18.8	75.1	27.4		56.3	18.8	75.1	27.4
4543 A	S.C.BREAZAS-A.CIMPNA	Hotel / Restaurant		19.5	13.0	32.5	11.9		19.5	13.0	32.5	11.9
4544 A	CARAMAN	Hotel / Restaurant		39.6	17.8	57.4	20.9		39.6	17.8	57.4	20.9
4545 A	PALACE	Hotel / Restaurant		55.7	18.6	74.3	27.1		55.7	18.6	74.3	27.1
4053 A	S.C.SERPLO S.A.PLOIESTI	Irrigation (Flowers)		2.0	6.2	8.2	3.0		2.0	6.2	8.2	3.0
4140 A	SECTIA L6 PLOIESTI	Land Transport	1.1	1.9	2.2	5.2	1.9	0.9	1.5	1.7	4.2	1.5
4155 A	DEPOULO P R -SEDIU	Land Transport	24.7	41.2	23.5	89.4	32.6	19.6	32.6	18.6	70.8	25.9
4168 A	AUTOBAZA 1 PLOIESTI	Land Transport	2.4	4.0	6.2	12.6	4.6	1.9	3.1	4.9	10.0	3.6

Table E.5.10 Operation and Maintenance Cost in Case of 4.3% and 2.7% Growth Rate (3/5)

(unit:1000US\$)

Code	Name of Factory	Activity Type	4.30%				2.70%				
			Chem. US\$/d	Elec. US\$/d	Man-Power US\$/d	Total Cost 1000\$/y	Chem. US\$/d	Elec. US\$/d	Man-Power US\$/d	Total Cost 1000\$/y	
4307 A	TRANSPORT VALENII DE MUN	Land Transport	1.2	2.0	3.4	6.6	0.9	1.6	2.7	5.2	1.9
4329 A	AUTOBAZA-TELEAJEN	Land Transport	0.6	1.0	1.1	2.6	0.5	0.8	0.9	2.1	0.8
4330 A	AUTOBAZA 6 CALATORI	Land Transport	2.1	3.4	5.4	10.9	1.6	2.7	4.3	8.6	3.1
4343 A	CONPET SECTIA SIRI	Land Transport	1.3	2.1	3.6	7.0	1.0	1.7	2.9	5.5	2.0
4358 A	R.A.G.C.PLOIESTI	Land Transport	7.5	12.5	14.3	34.3	5.9	9.9	11.3	27.2	9.9
4536 A	S.C.V.PRAHOVEI CIMPINA	Land Transport	5.8	9.7	13.8	29.3	4.6	7.7	11.0	23.2	8.5
4575 A	S.C.COSERTRANS S.A.CIMPIN	Land Transport	27.6	46.0	26.3	99.9	21.9	36.5	20.8	79.2	28.9
4042 A	AVICOLA PLOIESTI-Biejoț far	Livestock Farm	18.2	46.0	5.2	69.4	18.2	46.0	5.2	69.4	25.3
4082 A	COMPORSA STANCESTI	Livestock Farm	54.9	138.7	15.6	209.3	54.9	138.7	15.6	209.3	76.4
4270 A	S.C.AGROINDUSTRIALA CERE	Livestock Farm	8.0	20.2	2.3	30.4	8.0	20.2	2.3	30.4	11.1
4273 A	COPIDEX BRAZI	Livestock Farm	18.7	47.3	5.3	71.4	18.7	47.3	5.3	71.4	26.1
4577 A	S.C.AGROS SCAIENI	Livestock Farm	6.5	16.4	1.8	24.8	6.5	16.4	1.8	24.8	9.1
4021 A	MEFIN SINALA	Machinery/Equipment	45.3	75.5	31.0	151.8	35.9	59.8	24.3	120.0	45.8
4029 A	HIDROJET BREAZA	Machinery/Equipment	60.5	100.9	49.0	210.4	48.0	80.0	38.8	166.8	60.9
4100 A	U.M.PLOPENI	Machinery/Equipment	163.4	272.3	77.8	513.4	129.5	215.8	61.7	406.9	148.5
4100 B	U.M.PLOPENI	Machinery/Equipment		37.7	30.1	67.8	24.8	29.9	23.9	53.8	19.6
4141 A	24IANUARIE	Machinery/Equipment		30.2	24.2	54.4	19.8	23.9	19.2	43.1	15.7
4156 A	UZUC PLOIESTI	Machinery/Equipment	26.3	43.8	25.0	95.0	20.8	34.7	19.8	75.3	27.5
4160 A	UPETROM PLOIESTI	Machinery/Equipment	46.2	77.0	37.4	160.6	36.6	61.0	29.6	127.2	46.4
4160 B	UPETROM PLOIESTI	Machinery/Equipment	145.1	241.8	58.7	445.6	115.0	191.7	46.5	353.2	128.9
4211 A	U.M.VALENII DE MUNTE-SEC	Machinery/Equipment	19.7	32.8	12.7	65.2	15.6	26.0	10.0	51.6	18.8
4292 A	S.C.PETROUTILAJ SA	Machinery/Equipment	21.0	35.0	13.5	69.4	16.6	27.7	10.7	55.0	20.1
4292 B	S.C.PETROUTILAJ SA	Machinery/Equipment	3.9	6.5	9.3	19.7	3.1	5.1	7.3	15.6	5.7
4292 C	S.C.PETROUTILAJ SA	Machinery/Equipment	33.5	55.9	21.6	111.0	26.6	44.3	17.1	88.0	32.1
4530 A	RULMENTII GREI	Machinery/Equipment	25.3	42.1	24.1	91.5	20.0	33.4	19.1	72.5	26.5
4546 A	AMPLO	Machinery/Equipment				0.0				0.0	0.0
4552 A	F.S.H.BAICOI	Machinery/Equipment	23.5	39.1	22.4	84.9	18.6	31.0	17.7	67.3	24.6
4555 A	S.C.PETROS S.A.	Machinery/Equipment	1.7	2.9	4.5	9.1	1.4	2.3	3.6	7.2	2.6
4558 A	STEROM CAMPINA	Machinery/Equipment	36.7	61.2	29.7	127.7	29.1	48.5	23.6	101.2	36.9
4559 A	NEFTUN CAMPINA	Machinery/Equipment	41.1	68.5	33.2	142.8	32.6	54.3	26.4	113.2	41.3
4560 A	CAMEXIP	Machinery/Equipment	6.0	10.0	11.4	27.3	4.7	7.9	9.0	21.7	7.9
4583 A	S.C.ELECTROMONTAJ S.A	Machinery/Equipment	0.8	1.4	2.4	4.6	0.7	1.1	1.9	5.6	1.3
4146 A	FEROEMAIL PLOIESTI	Metal Products Fabricated	26.3	43.8	25.0	95.1	20.8	34.7	19.8	75.4	27.5
4147 A	DACIA PLOIESTI	Metal Products Fabricated	25.8	43.0	16.6	85.4	20.5	34.1	13.1	67.7	24.7
4314 A	TROMET	Metal Products Fabricated	5.2	8.7	12.4	26.4	4.1	6.9	9.9	20.9	7.6

Table E.5.10 Operation and Maintenance Cost in Case of 4.3% and 2.7% Growth Rate (4/5)

(unit:1000US\$)

Code	Name of Factory	Activity Type	4.30%				2.70%														
			Chem. US\$/d	Elec. US\$/d	Man-Power US\$/d	Total Cost 1000\$/y	Chem. US\$/d	Elec. US\$/d	Man-Power US\$/d	Total Cost 1000\$/y											
4361 A	ARTAMETALULUI BOLDESTI	Metal Products Fabricated				0.0				0.0											
4531 A	UZTEL	Metal Products Fabricated				0.0				0.0											
4533 A	S.C.FLACARA S.A.	Metal Products Fabricated	21.8	36.4	57.2	115.5	17.3	28.9	45.4	91.5	33.4										
4538 A	TURNA TORIA CAMPINA	Metal Products Fabricated	52.2	86.9	42.2	181.3	41.3	68.9	33.5	143.7	52.5										
4095 A	STICLOVAL VALENI	Mining / Quarrying	8.0	13.3	9.5	30.9	6.3	10.6	7.6	24.5	8.9										
4305 A	INDUSTRIE MICA MOARA DE	Mining / Quarrying	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0										
4305 B	INDUSTRIE MICA MOARA DE	Mining / Quarrying	1.7	2.9	4.5	9.1	1.4	2.3	3.6	7.2	2.6										
4328 A	EDIL CONST	Mining / Quarrying	3.3	5.5	4.7	13.6	2.6	4.4	3.7	10.7	3.9										
4532 A	SALINA SLANIC	Mining / Quarrying	1.8	2.9	5.5	10.2	1.4	2.3	4.3	8.1	2.9										
4004 A	SINTEREF AZUGA	Non-Metallic Mineral Products	13.8	23.0	13.1	49.9	10.9	18.2	10.4	39.5	14.4										
4004 B	SINTEREF AZUGA	Non-Metallic Mineral Products	17.0	28.4	16.2	61.6	13.5	22.5	12.9	48.8	17.8										
4009 A	STIAZ AZUGA	Non-Metallic Mineral Products	10.4	17.4	12.4	40.3	8.3	13.8	9.9	31.9	11.7										
4213 A	VUL TURUL COMARNIC	Non-Metallic Mineral Products				0.0				0.0											
4319 A	BASTII PLOESTI	Non-Metallic Mineral Products				0.0				0.0											
4014 A	HARTIA BUSTENI	Paper/Paper Products	782.1	1,303.5	93.1	2,178.7	619.9	1,033.1	73.8	1,726.7	630.3										
4102 A	S.C.CAHIRO S.A.	Paper/Paper Products	102.3	292.2	4.1	398.6	81.0	231.6	3.3	315.9	115.3										
4035 A	S.C.STEAVA ROMANA SA	Petroleum Refinery	567.1	1,620.2	81.0	2,268.3	449.4	1,284.1	64.2	1,797.7	656.2										
4039 A	VICTORIA FLORESTI	Petroleum Refinery	1,001.6	2,861.7	119.2	3,982.6	793.8	2,268.1	94.5	3,156.4	1,152.1										
4039 B	VICTORIA FLORESTI	Petroleum Refinery	13.0	37.1	16.7	66.8	10.3	29.4	13.2	52.9	19.3										
4051 A	S.C.PETROBRAZI S.A.	Petroleum Refinery	3,197.3	9,135.1	182.7	12,515.0	2,534.0	7,240.0	144.8	9,918.8	3,620.4										
4091 A	S.C.CHEMFOREX BUCOV	Petroleum Refinery	6.0	17.1	7.8	31.0	4.7	13.6	6.2	24.5	9.0										
4133 A	STATIA PECO 2KM6	Petroleum Refinery	10.7	30.6	13.8	55.1	8.5	24.2	10.9	43.6	15.9										
4137 A	S.C.VEGA S.A.	Petroleum Refinery	63.0	180.0	25.5	268.6	49.9	142.7	20.2	212.9	77.7										
4137 B	S.C.VEGA S.A.	Petroleum Refinery				0.0				0.0											
4148 A	S.C.PETROTEL SA PL	Petroleum Refinery	1,654.4	5,289.7	105.8	7,050.0	1,654.4	4,192.4	83.8	5,930.7	2,164.7										
4148 B	S.C.PETROTEL SA PL	Petroleum Refinery				0.0				0.0											
4149 A	PETROTRANS PLOESTI	Petroleum Refinery	6.9	21.9	9.9	38.7	6.9	17.4	7.8	32.1	11.7										
4149 B	PETROTRANS PLOESTI	Petroleum Refinery	5.7	18.4	8.4	32.5	5.7	14.5	6.7	27.0	9.8										
4158 A	S.C.ASTRA ROMANA SA	Petroleum Refinery	1,365.5	4,365.9	181.9	5,913.4	1,365.5	3,460.2	144.2	4,969.9	1,814.0										
4315 B	ATLAS GIP PLOESTI	Petroleum Refinery	2.8	5.3	8.3	16.4	2.8	4.2	6.6	13.6	5.0										
4550 A	PETROS PLOESTI	Petroleum Refinery				0.0				0.0											
4535 A	SITIA SOL CHEIA	Post / Telecommunication	0.1	1.9	1.2	3.2	0.1	1.5	1.0	2.6	0.9										
4012 A	SANATORIUL T.B.C.BUSTENI	Public Administration/Defense	4.4	55.0	12.4	71.7	3.5	43.6	9.8	56.9	20.8										
4030 A	U.M.0525 BREAZA	Public Administration/Defense				0.0				0.0											
4075 A	PENITECIARUL TG.NOU	Public Administration/Defense	1.3	15.9	7.3	24.4	1.0	12.6	5.8	19.4	7.1										

Table E.5.10 Operation and Maintenance Cost in Case of 4.3% and 2.7% Growth Rate (5/5)

(unit:1000US\$)

Code	Name of Factory	Activity Type	4.30%				2.70%				
			Chem.	Elec.	Man-Power	Total Cost	Chem.	Elec.	Man-Power	Total Cost	
			USS/d	USS/d	USS/d	1000\$/y	USS/d	USS/d	USS/d	1000\$/y	
4076 A	U.M.01991 TG.NOU	Public Administ./Defense	0.9	11.6	5.8	18.3	6.7	9.2	4.6	14.5	5.3
4087 A	U.M.01035 CHEIA	Public Administ./Defense	0.4	4.8	3.2	8.3	3.0	3.8	2.5	6.6	2.4
4151 A	U.M.01959 BERCENTI	Public Administ./Defense	0.4	5.6	3.7	9.7	3.5	4.4	2.9	7.7	2.8
4257 A	U.M.01532	Public Administ./Defense	0.1	1.2	0.8	2.2	0.8	1.0	0.7	1.7	0.6
4298 A	UNIT.TERT.440	Public Administ./Defense	0.3	3.7	2.5	6.5	2.4	2.9	2.0	5.1	1.9
4310 A	U.M.01562	Public Administ./Defense	0.2	2.5	1.6	4.3	1.6	2.0	1.3	3.4	1.2
4316 A	U.M.01819	Public Administ./Defense	4.1	52.4	17.5	73.9	27.0	41.5	13.8	58.6	21.4
4325 A	U.M.01899 PLOIESTI	Public Administ./Defense				0.0	0.0			0.0	0.0
4517 A	POLIGON P.S.I.BOLDESTI UM	Public Administ./Defense				0.0	0.0			0.0	0.0
4568 A	U.M.1065	Public Administ./Defense	3.4	43.1	14.4	60.9	22.2	34.1	11.4	48.2	17.6
4585 A	U.M.01958 CIUPERCEASCA	Public Administ./Defense	1.4	17.3	7.9	26.6	9.7	13.7	6.3	21.1	7.7
4598 A	HPODROM PLOIESTI	Public Administ./Defense	2.7	34.3	11.4	48.5	17.7	27.2	9.1	38.4	14.0
4170 A	HPODROM PLOIESTI	Recreational/Cultural/Sport	0.2	2.3	2.3	4.7	1.7	1.8	1.8	3.7	1.4
4138 A	PROGRESUL PLOIESTI	Rubber / Plastic Products	66.9	111.5	31.9	210.3	76.8	88.4	25.3	166.7	60.8
4142 A	PROGRESUL SECTIA PIGMEN	Rubber / Plastic Products	3.2	5.4	8.5	17.2	6.3	4.3	6.7	13.6	5.0
4195 A	PROGRESUL SECTIA OXIGEN	Rubber / Plastic Products	5.5	9.2	13.1	27.8	10.2	7.3	10.4	22.1	8.1
4318 A	PRAHOVEANA PLOIESTI	Tanning / Dressing Leather	5.7	3.5	1.8	11.0	4.0	2.7	1.4	8.7	3.2
4007 A	POSTAV AZUGA	Textile	50.8	217.8	30.8	299.4	109.3	172.6	24.4	237.3	86.6
4132 A	INTEX	Textile		105.1	35.0	140.1	51.1	83.3	27.8	111.0	40.5
4153 A	DOROBANTUL PLOIESTI	Textile		330.6	55.1	385.7	140.8	262.0	43.7	305.7	111.6
4539 A	FILATURA URLATI	Textile		12.7	10.6	23.2	8.5	10.0	8.4	18.4	6.7
4561 A	CITRICIM CAMPINA	Textile		56.8	18.9	75.7	27.6	45.0	15.0	60.0	21.9
4161 A	REVIZIA GHIGHIU	Transport Activities				0.0	0.0			0.0	0.0
4324 A	S.C.UMERVA.S.A	Transport Activities	10.2	16.9	13.1	40.2	14.7	13.4	10.4	31.8	11.6
4549 A	BAZ.APROV.FLORESTI	Wholesale Trade / Communication		9.5	10.3	19.8	7.2	7.5	8.1	15.7	5.7
4563 A	S.C.PALTINU S.A.CIMPINA	Wholesale Trade / Communication		23.5	15.7	39.1	14.3	18.6	12.4	31.0	11.3
4017 A	S.E.P.P.L.CIMPINA	Wood	14.7	24.5	14.0	53.2	19.4	11.7	11.1	42.2	15.4
4017 B	S.E.P.P.L.CIMPINA	Wood	0.9	1.4	1.6	4.0	1.4	0.7	1.1	3.1	1.1
4025 A	SEPP.L.PLOIESTI.SEC.COMARNIC	Wood	3.9	6.5	7.4	17.8	6.5	3.1	5.1	14.1	5.1
4089 A	S.E.P.P.L.MANECTU	Wood	4.5	7.6	4.3	16.4	6.0	3.6	6.0	13.0	4.8
4101 A	GES.SCAIENI	Wood	14.8	24.6	14.1	53.5	19.5	11.7	19.5	42.4	15.5
4101 B	GES.SOAIENI	Wood	12.0	30.0	23.1	65.1	23.8	9.5	23.8	51.6	18.8
	Total		10,246.2	30,887.4	2,766.2	43,899.6	16,023.4	8,772.5	2,595.3	2,221.8	55,389.6
											12,990.2