

Anexa IV: Indicatori de performanta pentru sistemele de apa potabila/canalizare

Nr	Indicatori de performanta	Unitate	TOTAL		Aglomerarea Arad		Aglomerarea Cermei		Aglomerarea Varsand		Aglomerarea Sepreus	
			Inainte Project	Dupa Project	Inainte Project	Dupa Project	Inainte Project	Dupa Project	Inainte Project	Dupa Project	Inainte Project	Dupa Project
2. Alimentare cu apa												
2.1 Nivel de acoperire a serviciului de funrnizare apa												
2.1.1	Total populatie in aria de deservire (zona alimentata cu apa)	pers*1000	226.138	224.270	220.053	218.208	2.625	2.625	0.985	0.967	2.475	2.470
2.1.2	Grad de acoperire: Procentul populatiei conectate la sistemul de alimentare cu apa (2.1.3/2.1.1)	% din 2.1.1	88.644	89.470	89.01	89.84	87.28	87.77	33.91	35.37	79.52	79.96
2.1.3	Populatie deservita (populatie bransata/deservita de un sistem centralizat de alimentare cu apa prin bransamente, cismele stradale)	pers*1000	200.457	200.655	195.864	196.034	2.291	2.304	0.334	0.342	1.968	1.975
2.1.4	Numar total de unitati industriale, economice si servicii publice in aglomerarea sau zona deservita	numar*1000	10.323	10.323	10.24	10.240	0.039	0.039	0.017	0.017	0.027	0.027
2.1.5	Numar total clienti bransati la sistemul de alimentare cu apa	numar*1000	52.168	52.168	50.38	50.38	0.95	0.95	0.17	0.17	0.67	0.67
2.1.6	Numar clienti domestici bransati la sistemul de alimentare cu apa	numar*1000	48.935	48.935	47.23	47.23	0.91	0.91	0.15	0.15	0.64	0.64
2.1.7	Numar de clienti non-domestici (industriali, comerciali, servicii publice)	numar*1000	3.233	3.233	3.15	3.15	0.039	0.039	0.02	0.02	0.03	0.03
2.1.8	Procent din clientii domestici bransati la sistemul de alimentare cu apa	% din 2.1.5	93.803	93.803	93.75	93.75	95.91	95.91	90.00	90.00	95.94	95.94
2.1.9	Procent din clientii non-domestici bransati la sistemul de alimentare cu apa	% din 2.1.5	6.197	6.197	6.25	6.25	4.09	4.09	10.00	10.00	4.06	4.06
2.1.10	Procent din unitatile industriale, comerciale, servicii publice bransate la sistemul de alimentare cu apa (2.1.7 / 2.1.4)	% din 2.1.4	31.318	31.318	30.76	30.76	100.00	100.00	100.00	100.00	100.00	100.00
2.2 Water production / Productia de apa												
2.2.1	Total apa intrata in sistem (apa bruta)	1000 m³/zi	45.164	45.182	44.767	44.784	0.138	0.139	0.062	0.062	0.197	0.197
2.2.2	Productie apa subterana	1000 m³/zi	45.164	45.182	44.767	44.784	0.138	0.139	0.062	0.062	0.197	0.197
2.2.3	Productie apa de suprafata	1000 m³/zi	0.000	0.000	0.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.2.4	Alta sursa de apa (desalinizare, import)	1000 m³/zi	1.000	1.000	1.000	1.000	0.000	0.000	0.0	0.0	0.0	0.0
2.2.5	Productie apa subterana	% din 2.2.1	100.000	100.000	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
2.2.6	Productie apa de suprafata	% din 2.2.1	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.2.7	Alta sursa de apa (desalinizare, import)	% din 2.2.1	2.214	2.213	2.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00
2.2.8	Total volum apa produsa (la iesirea din unitatile de productie)	1000 m³/zi	44.005	45.019	43.632	44.645	0.135	0.136	0.061	0.061	0.177	0.177
2.2.9	Total productie apa pe om si zi	l/om.zi	225.305	225.173	223	228	59	59	182	178	90	90

Extinderea si reabilitarea infrastructurii de alimentare cu apa si canalizare in judetul Arad

Nr	Indicatori de performanta	Unitate	TOTAL		Aglomerarea Arad		Aglomerarea Cermei		Aglomerarea Varsand		Aglomerarea Sepreus	
			Inainte Project	Dupa Project	Inainte Project	Dupa Project	Inainte Project	Dupa Project	Inainte Project	Dupa Project	Inainte Project	Dupa Project
2.3. Consumuri apa / cerere apa												
2.3.1	Total cerere apa	1000 m³/zi	29.657	29.684	29.391	29.416	0.109	0.109	0.047	0.048	0.110	0.111
2.3.2	Cerere apa domestica	1000 m³/zi	19.243	19.261	19.009	19.026	0.096	0.097	0.032	0.032	0.106	0.107
2.3.3	Cerere apa non-domestica (industrial, comercial, institutii publice)	1000 m³/zi	10.414	10.422	10.383	10.390	0.013	0.013	0.015	0.015	0.004	0.005
2.3.4	Cerere apa domestica	% din 2.3.1	64.884	64.889	64.67	64.68	88.42	88.42	67.86	67.63	96.37	95.87
2.3.5	Cerere apa non-domestica (industrial, comercial, institutii publice)	% din 2.3.1	35.116	35.111	35.33	35.32	11.58	11.58	32.14	32.37	3.63	4.13
2.3.6	Consum specific apa domestic	l/om.zi	95.995	95.993	97	97	42	42	95	94	54	54
2.3.7	Consum specific total de apa (inclusiv non domestic)	l/om.zi	147.948	147.935	150	150	48	48	140	139	56	56
2.3.8	Total apa vanduta (domestic + non domestic) - medie anuala	1000 m³/zi	29.657	29.684	29.391	29.416	0.109	0.109	0.047	0.048	0.110	0.111
2.3.9	Consum restrictionat (cantitate disponibila insuficienta)	da/nu			no	no	no	no	no	no	no	no
2.4 Parametrii sistem de alimentare cu apa												
2.4.1	Numar captari apa (foraje, prize de suprafata)	numar	77	77	72	72	3	3	1	1	1	1
2.4.2	Capacitate captari apa	1000 m³/zi	166.43	166.43	164.33	164.33	1.30	1.30	0.367	0.367	0.432	0.432
2.4.3	Numar statii tratare	numar	5.00	5.00	2	2	1	1	1	1	1	1
2.4.4	Capacitate statii tratare	1000 m³/zi	260.22	260.22	259.20	259.20	0.216	0.216	0.367	0.367	0.432	0.432
2.4.5	Numar statii pompare	numar	15.00	15.00	12	12	1	1	1	1	1	1
2.4.6	Capacitate statii pompare	1000 m³/zi	116.12	116.72	114.12	114.72	0.56	0.56	0.48	0.48	0.96	0.96
2.4.7	Lungime conducte aductiune	km	158.12	158.12	157.86	157.86	0.20	0.20	0.05	0.05	0.01	0.01
2.4.8	Procent de conducte aductiune reabilitate (din total conducte)	% din 2.4.7			1.56	1.56	0.00	0.00	0.00	0.00	0.00	0.00
2.4.9	Capacitate transport conducte aductiune	1000 m³/zi	235.277	235.277	233.28	233.28	0.56	0.56	0.48	0.48	0.96	0.96
2.4.10	Lungime retea distributie (exclusiv aductiuni si conducte bransament)	km	617.95	617.95	559	559	32.70	32.70	10.30	10.30	15.95	15.95
2.4.11	Procent de retea distributie reabilitata (din total retea)	% din 2.4.10			10.23	10.23	0.00	0.00	0.00	0.00	0.00	0.00
2.4.13	Numar sisteme SCADA pentru retea distributie apa	numar	3.000	7.000	3.00	4.00	0.00	1.00	0.00	1.00	0.00	1.00
2.4.14	Populatia deservita raportata la total conducte (retea distributie + aductiune)	pers/km	258.298	258.553	273.22	273.46	69.64	70.03	32.27	33.04	123.31	123.75
2.4.15	Capacitate instalata productie apa (minim din capture, statii pompare, statii tratare)	1000 m³/zi	116.117	116.717	114.12	114.72	0.22	0.22	0.37	0.37	0.43	0.43
2.4.16	Procent de capacitate de productie utilizata (2.2.1 / 2.4.15)	% din 2.4.15	38.895	38.711	39.23	39.04	63.89	64.35	16.89	16.89	45.60	45.60
2.4.17	Volum total instalat capacitate rezervoare	1000 m³	74.540	74.540	74.10	74.10	0.20	0.20	0.04	0.04	0.20	0.20
2.4.18	Procent capacitate stocare rezervoare din cererea totala zilnica de apa (2.4.17/2.3.1)	1000 m3	2.513	2.511	2.52	2.52	1.84	1.83	0.86	0.84	1.81	1.80
2.4.19	Numar bransamente	numar*1000	52.168	52.168	50.38	50.38	0.953	0.953	0.17	0.17	0.67	0.67
2.4.20	Numar bransamente reabilitate/inlocuite	numar*1000	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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			Inainte Project	Dupa Project	Inainte Project	Dupa Project	Inainte Project	Dupa Project	Inainte Project	Dupa Project	Inainte Project	Dupa Project
2.5 Pierderi de apa												
2.5.1	Pierderi totale apa (standard IWA: 2.2.1 Total apa intrata in sistem - 2.3.8 Total apa vanduta)	1000 m³/zi	15.507	15.498	15.376	15.368	0.029	0.030	0.015	0.014	0.087	0.086
2.5.2	Procent pierderi totale (2.5.1/2.2.1)	% din 2.2.1	34.334	34.301	34.35	34.32	21.14	21.27	24.58	23.33	44.02	43.53
2.5.3	Pierderi reale de apa (pierderi fizice) in retea (exclusiv pierderile tehnologice in Statia de tratare)	1000 m³/zi	14.348	14.878	14.248	14.778	0.017	0.017	0.010	0.010	0.074	0.073
2.5.4	Procent pierderi reale (pierderi fizice) in retea (exclusiv pierderile tehnologice in Statia de tratare)	%	32.606	33.047	32.65	33.10	12.20	12.26	16.41	16.41	41.65	41.18
2.5.5	Pierderi reale de apa pe bransamente, la o presiune medie in sistem de 30-40 m (2.5.3/2.1.5)	litri/bransament/zi	275.039	285.186	282.81	293.33	17.31	17.52	58.82	58.82	110.86	109.61
2.5.6	Pierderi de apa pe aductiuni	1000 m³/zi	2.853	2.959	2.85	2.96	0.003	0.003	0.001	0.001	0.000	0.000
2.5.7	Pierdere de apa specifica pe aductiuni (2.5.6/2.4.7)	m³/km/zi	18.046	18.712	18.05	18.72	16.50	12.53	10.00	10.00	7.37	7.29
2.5.8	Index pierdere infrastructura (ILI conform standard IWA)	-	-	-	8.00	8.00	1.90	1.90	3.60	3.60	3.60	3.60
2.5.9	Acurateea masuratorilor pentru determinarea pierderilor (masuratori sau estimari)	masurat=1 / estim.=0	-	-	0	0	0	0	0	0	0	0
2.5.10	Data ultimei verificari sistematice a retelei	an	-	-	2014	-	2014	-	2014	-	2014	-
2.5.11	Grad precizie (+/-) pentru calculul pierderilor	%	19.500	19.750	17.00	18.00	20.00	20.00	21.00	21.00	20.00	20.00
2.6 Siguranta alimentarii cu apa si avarii												
2.6.1	Intreruperi alimentare cu apa datorate avariilor in sistem, pe an	numar/an	1339	800	1,239	700	73	73	23	23	4	4
2.6.2	Intreruperi alimentare cu apa datorate avariilor, pe lungime de retea, pe an (2.6.1/(2.4.10+2.4.7))	numar/km/an	1.725	1.031	1.73	0.98	2.22	2.22	2.22	2.22	0.25	0.25
2.6.3	Persoane afectate de intreruperea alimentarii	numar*1000	28.043	26.041	27	25	0.275	0.231	0.051	0.048	0.296	0.277
2.6.4	Persoane afectate de intreruperea alimentarii raportat la total populatie deservita (2.6.3/2.1.3)	% din 2.1.3	13.990	12.978	14.00	13.00	12.00	10.03	15.27	14.04	15.04	14.03
2.6.5	Ore de furnizare apa pe zi	Ore	24	24	24	24	24	24	24	24	24	24
2.7 Eficienta utilizarii energiei electrice												
2.7.1	Consum energetic mediu (statii tratare + statii pompare)	1000 kWh/an	5,655.784	5,263.100	5,557.90	5,163.57	39.03	40.04	34.28	34.30	24.58	25.20
2.7.2	Consum energetic mediu (statii tratare + statii pompare) raportat la volumul de apa produsa (pentru 100 m presiune)	kWh/m³	0.352	0.320	0.35	0.32	0.79	0.81	1.54	1.54	0.38	0.39
2.8 Contorizare sistem alimentare cu apa												
2.8.1	Numar total bransamente cu apometre	numar*1000	51.476	51.476	49.88	49.88	0.93	0.93	0.14	0.14	0.53	0.53
2.8.2	Numar total apometre ptr consumatori domestici	numar*1000	41.034	41.153	39.64	39.64	0.89	0.89	0.12	0.12	0.50	0.50
2.8.3	Numar total apometre ptr consumatori non domenstici	numar*1000	10.323	10.323	10.240	10.240	0.039	0.039	0.017	0.017	0.027	0.027

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			Inainte Project	Dupa Project	Inainte Project	Dupa Project	Inainte Project	Dupa Project	Inainte Project	Dupa Project	Inainte Project	Dupa Project
2.8.4	Nivel contorizare (2.8.1 Numar total bransamente cu apometre / 2.4.19 Numar total bransamente)	% din 2.4.19	98.673	98.673	99	99	98	98	80	80	80	80
2.9 Calitatea apei												
2.9.1	Numar aglomerari alimentate cu apa potabila in concordanta cu Directiva Europeana 98/83/EC si Tratatului de aderare, cap. 22	numar	1	4	1	1	0	1	0	1	0	1
2.9.2	Populatie alimentata cu apa potabila in concordanta cu Directiva Europeana 98/83/EC si Tratatului de aderare.cap 22	numar	200457	200655	195,864	196,034	2,291	2,304	334	342	1,968	1,975
2.9.3	Procent din populatie alimentata cu apa potabila in concordanta cu Directiva Europeana 98/83/EC si Tratatului de aderare, cap. 22	% din 2.1.1	88.64	89.47	89.01	89.84	87.28	87.77	33.91	35.37	79.52	79.96
2.9.4	Parametrii apa potabila: Parametrii microbiologici											
2.9.4.1	Numar aglomerari cu parametrii microbiologici conformati	numar	1	4	1	1	0	1	0	1	0	1
Specificarea parametrilor care nu sunt conformi cu regulamentele CE/Ro (inainte si dupa proiect) si indicarea Limitei Maxime Admsibile de concentratie (LMA) Parametrii chimici												
2.9.4.2	Numar aglomerari cu parametrii chimici conformati	numar	1	4	1	1	0	1	0	1	0	1
	Nitrati (LMA = 50 mg/l)	mg/l			-	-	2.98	-	1.03	-	0.00	-
	Nitriti (LMA = 0.50 mg/l)	mg/l			-	-	0.01	-	0.01	-	0.02	-
	Plumb (LMA = 0.01 mg/l)	mg/l			-	-	-	-	-	-	-	-
	Cadmiu (LMA=0.003 mg/l)	mg/l			-	-	-	-	-	-	-	-
	Pesticide (LMA = 0.0005 mg/l)	mg/l			-	-	-	-	-	-	-	-
Specificarea parametrilor care nu sunt conformi cu regulamentele CE/Ro (inainte si dupa proiect) si indicarea Limitei Maxime Admsibile de concentratie (LMA) Parametrii indicatori												
2.9.4.3	Numar aglomerari cu parametrii conformati	numar	1	4	1	1	0	1	0	1	0	1
	Aluminium (LMA=0.2 mg/l)	mg/l			0.10	0.10	-	-	-	-	-	-
	Turbiditate (de dorit mai mica de 1 NTU)	NTU			1.00	1.00	6.55		0.45	-	0.77	-
	Oxidabilitate (LMA = 5.0 mg O ₂ /l)	mg/l			-	-	-		-	-	-	-
	Fier (LMA=0.2 mg/l)	mg/l			0.08	0.08	1,402		312.80	-	796.50	-
	Mangan (LMA=0.05 mg/l)	mg/l			-	-	1,235	-	42.00	-	91.90	-
	Amoniu (LMA=0.5 mg/l)	mg/l			-	-	0.00	-	2.64	-	0.00	-
Specificarea parametrilor care nu sunt conformi cu regulamentele CE/Ro (inainte si dupa proiect) si indicarea Limitei Maxime Admsibile de concentratie (LMA) Disinfectant by-products / Dezinfectare												
2.9.4.4	Numar de aglomerari conformate	numar	1	4	1	1	0	1	0	1	0	1
Specify parameters not compliant with EC/RO regulations (Inainte and Dupa project implementation) indicate Maximum Admissible Concentration (MAC)												
2.10 Statie de tratare apa potabila												
2.10.1	Procent din capacitate utilizata (2.2.1/2.4.4)	% din 2.4.4	17.356	17.363	17.27	17.28	63.89	64.35	16.89	16.89	45.60	45.60
2.10.2	Tehnologia de tratare											
	Aerare	nr.	2	2	2	2	0	0	0	0	0	0
	Pre-Filtrare	nr.	2	2	2	2	0	0	0	0	0	0
	Preclorare	nr.	1	4	1	1	0	1	0	1	0	1
	Pre ozonificare	nr.	1	1	1	1	0	0	0	0	0	0
	Filtre rapide cu nisip	nr.	21	25	20	20	0	2	1	1	0	2
	Filtre lente cu nisip	nr.	0	0	0	0	0	0	0	0	0	0
	Filtre biologice	nr.	0	0	0	0	0	0	0	0	0	0
	Filtre cu carbune activ	nr.	0	0	0	0	0	0	0	0	0	0

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	Clorinare pentru desinfectare	nr.	5	5	2	2	1	1	1	1	1	1
	ozonificare pentru dezinfectare	nr.	0	0	0	0	0	0	0	0	0	0
	Dezinfectare cu ultraviolete	nr.	0	0	0	0	0	0	0	0	0	0
	Desalinizare/Osmoza inversa	nr.	0	0	0	0	0	0	0	0	0	0
	Alte tehnologii	nr.	0	0	0	0	0	0	0	0	0	0
2.10.3	Sisteme SCADA pentru Statii tratare	nr.	3	5	2	2	1	1	0	1	0	1
3. Canalizare - epurare												
3.1 Asigurare servicii de canalizare												
3.1.1	Populatie totala in aglomerare	pers*1000	189.324	189.243	182.935	182.940	2.756	2.694	1.034	1.015	2.599	2.594
3.1.2	Asigurare serviciu: procent de populatie conectata la retea de canalizare	% din 3.1.1.	84.644	96.669	87.6	100.0	0	0.0	0.0	0.0	0.0	0.0
3.1.3	Populatie conectata la retea de canalizare	pers*1000	160.251	182.940	160.251	182.940	0.000	0.000	0.000	0.000	0.00	0.00
3.1.4	Numar total unitati industriale, comerciale si publice in aglomerare	numar*1000	10.323	10.323	10.24	10.24	0.039	0.039	0.02	0.02	0.03	0.03
3.1.5	Numar unitati industriale, comerciale si publice conectate la sistemul de canalizare	numar*1000	2.048	2.355	2.05	2.36	0.00	0.00	0.00	0.00	0.00	0.00
3.1.6	Procent din unitatile industriale, comerciale si publice conectate la sistem de canalizare (3.1.5 / 3.1.4)	% din 3.1.4	19.839	22.815	20.00	23.00	0.00	0.00	0.00	0.00	0.00	0.00
3.1.7	Numar total clienti conectati la sistemul de canalizare	numar*1000	163.401	186.090	163.40	186.09	0.00	0.00	0.00	0.00	0.00	0.00
3.1.8	Numar clienti domestici conectati la sistemul de canalizare	numar*1000	160.251	182.940	160.25	182.94	0.00	0.00	0.00	0.00	0.00	0.00
3.1.9	Numar clienti non domestici (industriali, comerciali, servicii publice) conectati la sistemul de canalizare	numar*1000	3.150	3.150	3.15	3.15	0.00	0.00	0.00	0.00	0.00	0.00
3.1.10	Procent din clientii domestici conectati la sistemul de canalizare	% din 3.1.7	98.072	98.307	98.07	98.31	0.00	0.00	0.00	0.00	0.00	0.00
3.1.11	Procent din clientii non domestici conectati la sistemul de canalizare (3.1.9/3.1.7)	% din 3.1.7	1.928	1.693	1.93	1.69	0.00	0.00	0.00	0.00	0.00	0.00
3.1.12	Procent din populatie conectata la o Statie de epurare in conformitate cu articolul 4 (5) din Directiva EU 91/27/EEC	% din 3.1.1.	87.600	100.000	87.60	100.00	0.00	0.00	0.00	0.00	0.00	0.00
3.2. Volume apa uzata												
3.2.1	Volum total apa uzata colectata (debit mediu)	1000 m³/zi	34.86	35.74	34.86	35.74	0.00	0.00	0.00	0.00	0.00	0.00
3.2.1.1	Volum apa uzata colectata de la clientii domestici	1000 m³/zi	15.55	17.76	15.55	17.76	0.00	0.00	0.00	0.00	0.00	0.00
3.2.1.2	Volum apa uzata colectata de la industrie	1000 m³/zi	4.85	4.85	4.85	4.85	0.00	0.00	0.00	0.00	0.00	0.00
3.2.1.3	Volum apa uzata colectata de la clientii comerciali si servicii publice	1000 m³/zi	1.21	1.21	1.21	1.21	0.00	0.00	0.00	0.00	0.00	0.00
3.2.1.4	Volum apa uzata provenita din infiltratii in retea de canalizare	1000 m³/zi	13.24	11.92	13.24	11.92	0.00	0.00	0.00	0.00	0.00	0.00
3.2.1.5	Procent din volumul de apa uzata colectata de la clientii domestici	% din 3.2.1	44.62	49.68	44.62	49.68	0.00	0.00	0.00	0.00	0.00	0.00
3.2.1.6	Procent din volumul de apa uzata colectata de la industrie	% din 3.2.1	13.91	13.57	13.91	13.57	0.00	0.00	0.00	0.00	0.00	0.00
3.2.1.7	Procent din volumul de apa uzata colectata de la clientii comerciali si servicii publice	% din 3.2.1	3.48	3.39	3.48	3.39	0.00	0.00	0.00	0.00	0.00	0.00
3.2.1.8	Rata de infiltratie in sistemul de canalizare: volumul de apa infiltrata in retea de canalizare / volum total apa uzata colectata	% din 3.2.1	38.00	33.36	38.00	33.36	0.00	0.00	0.00	0.00	0.00	0.00

Extinderea si reabilitarea infrastructurii de alimentare cu apa si canalizare in judetul Arad

Nr	Indicatori de performanta	Unitate	TOTAL		Aglomerarea Arad		Aglomerarea Cermei		Aglomerarea Varsand		Aglomerarea Sepreus	
			Inainte Project	Dupa Project	Inainte Project	Dupa Project	Inainte Project	Dupa Project	Inainte Project	Dupa Project	Inainte Project	Dupa Project
3.3. Volume apa pluviala												
3.3.1	Total volum apa pluviala (din sistem de canalizare divizor)	1000 m³/zi	6.745	6.745	6.75	6.75	0.00	0.00	0.00	0.00	0.00	0.00
3.3.1.1	Apa pluviala descarcata in Statie de epurare	1000 m³/zi	5.510	5.510	5.51	5.51	0.00	0.00	0.00	0.00	0.00	0.00
3.3.1.2	Apa pluviala descarcata in emisari fara tratare	1000 m³/zi	1.235	1.235	1.24	1.24	0.00	0.00	0.00	0.00	0.00	0.00
3.3.1.3	rocent din apa pluviala descarcata in Statia de epurare	% din 3.3.1	81.690	81.690	81.69	81.69	0.00	0.00	0.00	0.00	0.00	0.00
3.3.1.4	Procent din apa pluviala descarcata in emisari fara tratare	% din 3.3.1	18.310	18.310	18.31	18.31	0.00	0.00	0.00	0.00	0.00	0.00
3.3.2	Peak factor for storm drainage flow (Q24 max) /Coeficient de varf pentru volumul de apa pluviala (Q	-	0.643	0.643	2.57	2.57	0.00	0.00	0.00	0.00	0.00	0.00
3.4 Incarcari apa uzata												
3.4.1	Consum biochimic de oxigen (CBO₅)	1000 kg CBO/zi	6.484	7.145	6.484	7.145	0.00	0.00	0.00	0.00	0.00	0.00
3.4.1.1	CBO de la clientii domestici	1000 kg CBO/zi	4.666	5.327	4.67	5.33	0.00	0.00	0.00	0.00	0.00	0.00
3.4.1.2	CBO de la industrie	1000 kg CBO/zi	1.454	1.454	1.45	1.45	0.00	0.00	0.00	0.00	0.00	0.00
3.4.1.3	CBO de la clienti comerciali si servicii publice	1000 kg CBO/zi	0.364	0.364	0.36	0.36	0.00	0.00	0.00	0.00	0.00	0.00
3.4.1.4	Procent de la clientii domestici	% din 3.4.1	71.960	74.553	71.96	74.55	0.00	0.00	0.00	0.00	0.00	0.00
3.4.1.5	Procent de la industrie	% din 3.4.1	22.432	20.358	22.43	20.36	0.00	0.00	0.00	0.00	0.00	0.00
3.4.1.6	Procent de la clientii comerciali si servicii publice	% din 3.4.1	5.608	5.089	5.61	5.09	0.00	0.00	0.00	0.00	0.00	0.00
3.4.2	Numar aglomerari cu Statii de epurare conforme cu standardele pentru efluent (Directiva EU 91/27/EEC)	numar	1.000	1.000	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
3.4.2.1	Concentratie CBO₅ (LMA efluent = 25 mg/l)	mg/l			25.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00
3.4.2.2	Concentratie CCO (LMA efluent = 125 mg/l)	mg/l			125.00	125.00	0.00	0.00	0.00	0.00	0.00	0.00
3.4.2.3	Suspensii solide (LMA efluent = 35 mg/l functie de l.e.)	mg/l			35.00	35.00	0.00	0.00	0.00	0.00	0.00	0.00
3.4.2.4	Concentratia azotat total (LMA efluent = 10 mg/l functie de l.e.)	mg/l			10.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00
3.4.2.5	Concentratie fosfor total (LMA efluent = 1 mg/l functie de l.e.)	mg/l			1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
3.4.3	Frecventa monitorizarii - numar de probe analizate pe an	numar/an	91.250	91.250	365.00	365.00	0.00	0.00	0.00	0.00	0.00	0.00
3.4.4	Total incarcare pe aglomerare	1000*1.e.	182.935	182.940	182.94	182.94	0.00	0.00	0.00	0.00	0.00	0.00
3.4.5	Incarcare conectata la sistem de canalizare, pe aglomerare	1000*1.e.	179.276	182.940	179.28	182.94	0.00	0.00	0.00	0.00	0.00	0.00
3.4.6	Rata de conectare a incarcarii biologice: incarcare biologica colectata in sistem / total incarcare biologica	% din 3.4.4	98.000	100.000	98.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00

Extinderea si reabilitarea infrastructurii de alimentare cu apa si canalizare in judetul Arad

Nr	Indicatori de performanta	Unitate	TOTAL		Agglomerarea Arad		Agglomerarea Cermei		Agglomerarea Varsand		Agglomerarea Sepreus	
			Inainte Project	Dupa Project	Inainte Project	Dupa Project	Inainte Project	Dupa Project	Inainte Project	Dupa Project	Inainte Project	Dupa Project
3.5 Poluarea industriala												
3.5.1	Numar total unitati industriale in aglomerare	Numar	113.00	113.00	113	113	0.00	0.00	0.00	0.00	0.00	0.00
3.5.2	Numar unitati industriale neconectate la sistemul de canalizare	Numar	30.00	30.00	30.00	30.00	0.00	0.00	0.00	0.00	0.00	0.00
3.5.2.1	Procent al unitatilor industriale neconectate la sistemul de canalizare	%	26.55	26.55	26.55	26.55	0.00	0.00	0.00	0.00	0.00	0.00
3.5.3	Numar unitati industriale conectate la sistemul de canalizare	Numar	83.00	83.00	83.00	83.00	0.00	0.00	0.00	0.00	0.00	0.00
3.5.3.1	Numar unitati industriale conectate cu facilitati de pre-epurare	Numar	32.00	32.00	32.00	32.00	0.00	0.00	0.00	0.00	0.00	0.00
3.5.3.2	Procent al unitatilor industriale conectate dotate cu pre-epurare (in conformitate cu regulamentele EU/RO)	% din 3.5.3	38.55	38.55	38.55	38.55	0.00	0.00	0.00	0.00	0.00	0.00
3.5.4	Incarcare biologica generata de unitatile industriale	1000 kg CBO/zi	-	-	1.45	1.45	0.00	0.00	0.00	0.00	0.00	0.00
3.5.4.1	Procent din incarcarea biologica industriale redusa prin pre-epurare (3.5.4/3.4.1.2)	% din 3.4.1.2	-	-	0.00	0.00	-	-	-	-	-	-
3.5.5	Numar unitati industriale care descarca substante periculoase in mediul acvatic	Numar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.5.5.1	Numar aglomerari pentru care a fost pregatit un inventar al reducerii poluarii cu substantelor periculoase (lista I si II din Directiva CD 76/464/EEC)	Numar	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
3.5.5.2	Numar aglomerari cu risc de impact negativ asupra folosintelor apei in aval (captari apa, ferme piscicole etc) datorita deversarilor industriale direct in efluent	Numar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.5.5.3	Numar aglomerari cu risc de impact negativ asupra retelelor de canalizare si Statiilor de epurare datorita deversarilor in sisteme de canalizare	Numar	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
3.6 Parametrii retele de canalizare												
3.6.1	Lungime totala retele canalizare (inclusiv retele pluviale si colectoare principale)	km	594.16	594.55	594.16	594.55	0.00	0.00	0.00	0.00	0.00	0.00
3.6.1.1		km	40.00	40.00	40.00	40.00	0.00	0.00	0.00	0.00	0.00	0.00
3.6.1.2	Length of separated system /Lungime sistem divizor	km	554.16	554.55	554.16	554.55	0.00	0.00	0.00	0.00	0.00	0.00
3.6.1.3	Lungime sistem partial unitar/divizor	km	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.6.1.4	Procent lungime sistem unitar	% din 3.6.1	6.73	6.73	6.73	6.73	0.00	0.00	0.00	0.00	0.00	0.00
3.6.1.5	Procent lungime sistem divizor	% din 3.6.1	93.27	93.27	93.27	93.27	0.00	0.00	0.00	0.00	0.00	0.00
3.6.1.6	Procent lungime sistem partial unitar/divizor	% din 3.6.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.6.2	Lungime colectoare principale	km	237.00	237.00	237.00	237.00	0.00	0.00	0.00	0.00	0.00	0.00
3.6.2.1	Lungime colectoare principale reabilitate	km	17.42	17.42	17.42	17.42	0.00	0.00	0.00	0.00	0.00	0.00
3.6.2.2	Percent of main collectors rehabilitated (related to existing main collectors)Procent lungime colectoare	% din 3.6.2	7.35	7.35	7.35	7.35	0.00	0.00	0.00	0.00	0.00	0.00
3.6.3	Numar statii de pompare canalizare	Numar	14.00	15.00	14.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00
3.6.4	Capacitate statii de pompare canalizare	1000 m³/zi	608.16	621.98	608.16	621.98	0.00	0.00	0.00	0.00	0.00	0.00
3.6.5	Lungime retea de canalizare (exclusiv retea pluviala si colectoare principale)	km	357.16	357.55	357.16	357.55	0.00	0.00	0.00	0.00	0.00	0.00
3.6.5.1	Lungime retea canalizare reabilitata	km	16.56	16.56	16.56	16.56	0.00	0.00	0.00	0.00	0.00	0.00
3.6.5.2	Procent din retea de canalizare reabilitata (raportata la retea existenta)	% din 3.6.6	4.64	4.63	4.64	4.63	0.00	0.00	0.00	0.00	0.00	0.00
3.6.7	Populatie deservita raportata la lungime retea canalizare	capita/km /pers/km	269.71	307.70	269.71	307.70	0.00	0.00	0.00	0.00	0.00	0.00
3.6.8	Numar deversoare in retea	Numar	2.00	2.00	2.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00
3.6.9	Capacitate bazine retentie apa pluviala	1000 m³	450.00	450.00	450.00	450.00	0.00	0.00	0.00	0.00	0.00	0.00

Extinderea si reabilitarea infrastructurii de alimentare cu apa si canalizare in judetul Arad

Nr	Indicatori de performanta	Unitate	TOTAL		Aglomerarea Arad		Aglomerarea Cermei		Aglomerarea Varsand		Aglomerarea Sepreus	
			Inainte Project	Dupa Project	Inainte Project	Dupa Project	Inainte Project	Dupa Project	Inainte Project	Dupa Project	Inainte Project	Dupa Project
3.7 Parametrii Statii de epurare												
3.7.1	Numar Statii de epurare	Numar	1	1	1	1	0	0	0	0	0	0
3.7.1.1	Numar Statii de epurare in conformitate cu Directiva EU 91/271/EEC	Numar	1	1	1	1	0	0	0	0	0	0
3.7.2	Capacitate hidraulica de calcul a Statiei de epurare	1000 m³/zi	101.95	101.95	101.95	101.95	0.00	0.00	0.00	0.00	0.00	0.00
3.7.3	Incarcarea de calcul	1000 kg CBO/zi	15.90	15.90	15.90	15.90	0.00	0.00	0.00	0.00	0.00	0.00
3.7.5	Procent de incarcare biologica de calcul utilizata (3.4.1 / 3.7.3)	%	40.78	44.93	40.78	44.93	0.00	0.00	0.00	0.00	0.00	0.00
3.7.7	Capacitate Statii de epurare in Locuitori Echivalenti (l.e.); calculatie conform art. 2.6 Directiva EU 91/271/EEC	1000 l.e.	225.00	225.00	225.00	225.00	0.00	0.00	0.00	0.00	0.00	0.00
3.7.8	Volum total de apa uzata tratata in Statiile de epurare (medie anuala la iesirea din statie)	1000 m³/zi	34.86	35.74	34.86	35.74	0.00	0.00	0.00	0.00	0.00	0.00
3.7.8.1	Procent de apa uzata tratata (3.7.8 / 3.2.1)	% din 3.2.1	100.00	100.00	100.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
3.7.8.2	Apa uzata descarcata in emisar fara tratare (din 3.2.1: volum total apa uzata colectata)	1000 m³/zi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.7.8.3	Apa uzata descarcata in emisar cu tratare primara (din 3.2.1: volum total apa uzata colectata)	1000 m³/zi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.7.8.4	Apa uzata descarcata in emisar cu tratare primara si secundara (din 3.2.1: volum total apa uzata colectata)	1000 m³/zi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.7.8.5	Apa uzata descarcata in emisar cu tratare primara, secundara si terciara (din 3.2.1: volum total apa uzata colectata)	1000 m³/zi	34.86	35.74	34.86	35.74	0.00	0.00	0.00	0.00	0.00	0.00
3.7.8.6	Procent de apa uzata descarcata in emisar fara tratare (din 3.2.1: volum total apa uzata colectata)	% din 3.2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.7.8.7	Procent de apa uzata descarcata in emisar cu tratare primara (din 3.2.1: volum total apa uzata colectata)	% din 3.2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.7.8.8	Procent de apa uzata descarcata in emisar cu tratare primara si secundara (din 3.2.1: volum total apa uzata colectata)	% din 3.2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.7.8.9	Procent de apa uzata descarcata in emisar cu tratare primara, secundara si terciara (din 3.2.1: volum total apa uzata colectata)	% din 3.2.1	100.00	100.00	100.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
3.7.8.10	Volum apa uzata tratata avand calitatea efluentului in conformitate ci Dorectiva EU 91/271/EEC	1000 m³/zi	34.86	35.74	34.86	35.74	0.00	0.00	0.00	0.00	0.00	0.00
3.7.8.11	Procent de apa uzata tratata avand calitatea efluentului in concordanta cu Directiva EU 917/271/EEC, art. 4 (5) (3.7.8.11 / 3.2.1)	% din 3.2.1	100.00	100.00	100.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
3.7.8.12	Total CBO tratat/indepartat	1000 kg CBO/zi	-	-	5.45	6.00	0.00	0.00	0.00	0.00	0.00	0.00
3.7.8.13	Total CCO tratat/indeparat	1000 kg CCO/zi	-	-	10.57	11.10	0.00	0.00	0.00	0.00	0.00	0.00
3.7.8.14	Total N tratat/indepartat	kg N/zi	-	-	1.72	1.81	0.00	0.00	0.00	0.00	0.00	0.00
3.7.8.15	Total P treated / removed / Total P tratat/indepartat	kg P/zi	-	-	0.22	0.23	0.00	0.00	0.00	0.00	0.00	0.00

Extinderea si reabilitarea infrastructurii de alimentare cu apa si canalizare in judetul Arad

Nr	Indicatori de performanta	Unitate	TOTAL		Agglomerarea Arad		Agglomerarea Cermei		Agglomerarea Varsand		Agglomerarea Sepreus	
			Inainte Project	Dupa Project	Inainte Project	Dupa Project	Inainte Project	Dupa Project	Inainte Project	Dupa Project	Inainte Project	Dupa Project
3.7.9	Procesul de epurare											
3.7.9.1	Treapta primara, inclusiv gratare	Numar	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
3.7.9.2	Treata secundara	Numar	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
3.7.9.3	Treapta terciara (eliminare N, P)	Number / Numar	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
3.7.10	Tipul procesului tehnologic folosit											
3.7.10.1	Filtre	Numar	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
3.7.10.2	Tehnologie conventionala pentru tratare namol activat	Numar	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
3.7.10.3	Tehnologie de tratare namol activat cu stabilizare aeroba a namolului	Numar	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
3.7.10.4	Tehnologie de tratare namol activat prin aerare extinsa	Numar	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
3.7.10.5	Tehnologie de tratare a namolului activat prin fermentare anaeroba	Numar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.7.11	Numar statii epurare cu sistem SCADA	numar	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
3.8 Managementul namolului												
3.8.1	Tipul tratarii namolului											
3.8.1.1	Stabilizare aeroba a namolului (inter si extern)	Numar	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
3.8.1.2	Stabilizare anaeroba a namolului in digestoare deschise	Numar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.8.1.3	Stabilizare anaeroba a namolului in digestoare incalzite cu utilizarea biogazului	Numar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.8.1.4	Stabilizare anaeroba a namolului in digestoare incalzite fara utilizarea biogazului	Numar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.8.1.5	Deshidratarea namolului	Numar	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
3.8.2	Volum namol	1000 tone/an	16.24	16.65	16.24	16.65	0.00	0.00	0.00	0.00	0.00	0.00
3.8.2.1	Continut substanta uscata (Namol total)	1000 tone/an	2.92	3.00	2.92	3.00	0.00	0.00	0.00	0.00	0.00	0.00
3.8.3	Calitatea namolului											
3.8.3.1	Continut substanta uscata	%	-	-	18.01	18.01	0.00	0.00	0.00	0.00	0.00	0.00
3.8.3.2	Numar total parametrii care NU respecta regulamentele RO/EC	Numar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.8.3.3	Cadmium (Limita RO = 10 mg/kg substanta uscata)	mg/kg			<10	<10	0.00	0.00	0.00	0.00	0.00	0.00
3.8.3.4	Cupru (Limita Ro = 500 mg/kg substanta uscata)	mg/kg			<500	<500	0.00	0.00	0.00	0.00	0.00	0.00
3.8.3.5	Nichel (Limita RO = 100 mg/kg substanta uscata)	mg/kg			<100	<100	0.00	0.00	0.00	0.00	0.00	0.00
3.8.3.6	Plumb (Limita RO = 300 mg/kg substanta uscata)	mg/kg			<300	<300	0.00	0.00	0.00	0.00	0.00	0.00
3.8.3.7	Zinc (Limita RO = 2000 mg/kg substanta uscata)	mg/kg			<2000	<2000	0.00	0.00	0.00	0.00	0.00	0.00
3.8.3.8	Mercur (Limita RO = 5 mg/kg substanta uscata)	mg/kg			<5	<5	0.00	0.00	0.00	0.00	0.00	0.00
3.8.3.9	Crom (Limita RO = 500 mg/kg substanta uscata)	mg/kg			<500	<500	0.00	0.00	0.00	0.00	0.00	0.00
3.8.3.10	PAH (Limita RO = 5 mg/kg substanta uscata)	mg/kg			<5	<5	0.00	0.00	0.00	0.00	0.00	0.00
3.8.3.11	PCB (Limita RO = 0,8 mg/kg substanta uscata)	mg/kg			<1	<1	0.00	0.00	0.00	0.00	0.00	0.00
3.8.4	Depunerea namolului si reutilizare											
3.8.4.1	Namol reutilizat in agricultura	1000 tone/an	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.8.4.2	Namol reutilizat in reimpaduriri	1000 tone/an	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.8.4.3	Compostarea namolului	1000 tone/an	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Extinderea si reabilitarea infrastructurii de alimentare cu apa si canalizare in judetul Arad

Nr	Indicatori de performanta	Unitate	TOTAL		Agglomerarea Arad		Agglomerarea Cermei		Agglomerarea Varsand		Agglomerarea Sepreus	
			Inainte Project	Dupa Project	Inainte Project	Dupa Project	Inainte Project	Dupa Project	Inainte Project	Dupa Project	Inainte Project	Dupa Project
3.8.4.4	Namol depus in groapa ecologica	1000 tone/an	16.243	16.652	16.24	16.65	0.00	0.00	0.00	0.00	0.00	0.00
3.8.4.5	Incinerarea namolului	1000 tone/an	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.8.4.6	Altele	1000 tone/an	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.8.4.7	Namol reutilizat in agricultura	% din 3.8.2	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.8.4.8	Namol reutilizat in reimpaduriri	% din 3.8.2	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.8.4.9	Compostarea namolului	% din 3.8.2	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.8.4.10	Namol depus in groapa ecologica	% din 3.8.2	-	-	100.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
3.8.4.11	Incinerarea namolului	% din 3.8.2	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.8.4.12	Altele (piroliza,inchiderea depozitelor neconforme)	% din 3.8.2	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.8.5	Volum total de stocare namol	1000*m³	-	-	4.20	4.20	0.00	0.00	0.00	0.00	0.00	0.00
3.8.6	Capacitate de stocare exprimata in luni	luni	-	-	6.00	6.00	0.00	0.00	0.00	0.00	0.00	0.00
3.8.7	Volum total namol utilizat in conformitate cu directivele EU	m³/zi	-	-	44.50	45.62	0.00	0.00	0.00	0.00	0.00	0.00
3.9 Eficienta sistemului de canalizare												
3.9.1	Numar de blocaje ale sistemului pe an	numar/an	-	-	-	-	-	-	-	-	-	-
3.9.2	Numar de blocaje ale sistemului raportat la lungimea retelei, pe an (3.9.1 / 3.6.1)	numar/km/an	-	-	-	-	-	-	-	-	-	-
3.9.3	Numar zile cu inundatii cauzate de blocaje ale sistemului de canalizare	numar	-	-	-	-	-	-	-	-	-	-
3.9.4	Numar de zile cu inundatii cauzate de blocaje ale sistemului de canalizare, pe km, pe an (3.9.3 / 3.6.1)	zile/km/an	-	-	-	-	-	-	-	-	-	-
3.9.5	Consum mediu anual de energie electrica	1000 kWh/an	-	-	3,472.57	3,472.67	0.00	0.00	0.00	0.00	0.00	0.00
3.9.6	Consum mediu de energie electrica pe volum de apa uzata tratata (3.9.5 / 3.7.8)	kWh/m³	-	-	272.94	266.24	0.00	0.00	0.00	0.00	0.00	0.00
3.10 Receiving Water / Emisari												
3.10.1	Clasificare ca zona senzitiva (conform Anexa IIA, Directiva 91/271/EEC)	da/nu					0.00	0.00	0.00	0.00	0.00	0.00
3.10.2	Clasificare a emisarului (clasificare ecologica)	clasific. CE	-	-			0.00	0.00	0.00	0.00	0.00	0.00
3.10.3	Tipul emisarului direct (apa costiera, apa dulce, estuar)	Numar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.10.3.1	Apa costiera	Numar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.10.3.2	Estuar	Numar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.10.3.3	Lac	Numar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.10.3.4	Rau*	Numar	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
3.10.3.5	Rau transfrontarier	Numar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.10.3.6	* Debit mediu anul pe rau	m³/s	-	-			0.00	0.00	0.00	0.00	0.00	0.00
3.10.4	Numele emisarului direct	nume	Mures	Mures	Mures	Mures	0.00	0.00	0.00	0.00	0.00	0.00
3.10.5	Numele emisarului secundar	nume	Danube	Danube	Danube	Danube	0.00	0.00	0.00	0.00	0.00	0.00
3.10.6	Numele emisarului final	nume	Black See	Black See	Black Sea	Black Sea	0.00	0.00	0.00	0.00	0.00	0.00
3.10.7	Aglomerari in care a fost pregatit planul de management al mediului si este in curs de implementare	numar	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00

Extinderea si reabilitarea infrastructurii de alimentare cu apa si canalizare in judetul Arad

Nr	Indicatori de performanta	Unitate	TOTAL		Aglomerarea Arad		Aglomerarea Cermei		Aglomerarea Varsand		Aglomerarea Sepreus	
			Inainte Project	Dupa Project	Inainte Project	Dupa Project	Inainte Project	Dupa Project	Inainte Project	Dupa Project	Inainte Project	Dupa Project
3.11 Metering system wastewater / Contorizare sistem de canalizare												
3.11.1	Apa uzata non domestica											
3.11.1.1	Numar consumatori industriali (estimare) facturati exclusiv pentru volumul total de apa uzata in functie de volumul de apa potabila contorizat prelevat din sistemul de alimentare cu apa (conform principiului poluatorul plateste)	Numar	74.00	74.00	74.00	74.00	0.00	0.00	0.00	0.00	0.00	0.00
3.11.1.2	Numar consumatori industriali (estimare) care nu sunt facturati (sau in totalitate facturati pentru cantitatea reala evacuada) pentru apa uzata descarcata in sistemul centralizat de canalizare, de ex. datorita sursei private de apa sau consumului necontorizat din sistemul centralizat de alimentare cu apa (nu este in conformitate cu principiul poluatorul plateste)	Numar	9.00	9.00	9.00	9.00	0.00	0.00	0.00	0.00	0.00	0.00
3.11.1.3	Procent de consumatori industriali facturati in conformitate cu apa consumata (3.11.1.1 / 3.5.1)	% din 3.5.1	89.16	89.16	89.16	89.16	0.00	0.00	0.00	0.00	0.00	0.00
3.11.1.4	Procent (estimat) de consumatori industriali nefacturati (3.11.1.2 / 3.5.1)	% din 3.5.1	10.84	10.84	10.84	10.84	0.00	0.00	0.00	0.00	0.00	0.00
3.11.1.5	Numar total de consumatori industriali facturati exclusiv dupa volumul de apa uzata (masurata sau estimata) - in conformitate cu principiul poluatorul plateste	Numar	9.00	9.00	9.00	9.00	0.00	0.00	0.00	0.00	0.00	0.00
3.11.1.6	Numar consumatori industriali facturati dupa volumul de apa uzata contorizata	Numar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.11.1.7	Numar consumatori industriali facturati dupa volumul de apa uzata estimat	Numar	9.00	9.00	9.00	9.00	0.00	0.00	0.00	0.00	0.00	0.00
3.11.1.8	Procent de consumatori industriali facturati dupa volumul de apa uzata (% din total consumatori industriali conectati la retea de canalizare)	% din 3.5.1	10.84	10.84	10.84	10.84	0.00	0.00	0.00	0.00	0.00	0.00
3.11.1.9	Procent de consumatori industriali facturati dupa volumul de apa uzata contorizat	% din 3.5.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.11.1.10	Procent de consumatori industriali facturati dupa volumul de apa uzata estimat	% din 3.5.1	10.84	10.84	10.84	10.84	0.00	0.00	0.00	0.00	0.00	0.00
3.11.1.11	Numar de consumatori industriali facturati exclusiv dupa incarcarea apei uzate (kg CBO/CCO etc), in conformitate cu principiul poluatorul plateste	Numar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.11.1.12	Procent de consumatori industriali facturati dupa incarcarea apei uzate	% din 3.5.1			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.11.1.12	Numar consumatori industriali facturati dupa un sistem combinat (consum de apa 3.11.1.1 sau volum apa uzata 3.11.1.5 sau incarcarea apei uzate 3.11.1.11), in conformitate cu principiul poluatorul plateste	Numar	4.00	4.00	4.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00
3.11.1.13	Numar total consumatori industriali facturati dupa volumul de apa sau apa uzata contorizata/masurata (in conformitate cu principiul poluatorul plateste)	Numar	74.00	74.00	74.00	74.00	0.00	0.00	0.00	0.00	0.00	0.00
3.11.1.14	Procent de consumatori industriali facturati dupa volumul de apa uzata contorizat/masurat (principiul poluatorul plateste)	% din 3.5.1	89.16	89.16	89.16	89.16	0.00	0.00	0.00	0.00	0.00	0.00
3.11.2	Apa uzata menajera											
3.11.2.1	Numar (estimat) de consumatori domestici nefacturati (sau facturati partial dupa volumul efectiv) pentru apa uzata deversata in sistemul centralizat de canalizare, de ex. datorita surselor proprii de apa sau consumului necontorizat din sistemul centralizat de alimentare cu apa	numar*1000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.11.2.2	Procent (estimat) de consumatori domestici nefacturati pentru apa uzata deversata (3.11.2.1 / 3.1.8)	% din 3.1.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.11.2.3	Procent de apa uzata descarcata in sistemul de canalizare - parametru de proiectare (3.2.1.1 / 2.3.2)	% din 2.3.2	80.82	92.18	81.82	93.32	0.00	0.00	0.00	0.00	0.00	0.00