

RAPORT ANUAL DE MEDIU 2023

Identificarea dispozitivului	
Numele instalației	LIBERTY GALATI S.A.
Adresa instalației	Calea Smîrdan nr. 1
Cod poștal /Cod țară	800698
Coordonatele amplasamentului (latitudine N, longitudine E)	Longitudine: 27.960160
	Latitudine: 45.445760
Codul CAEN	2410
Activitatea principală	Productia de metale feroase sub forme primare si de feroalaje
Volumul producției	█ tone otel
Autoritatea de reglementare	Agentia pentru Protectia Mediului Galati
Numărul instalațiilor	1
Numărul orelor de funcționare pe an	116,000
Numărul angajaților	4401
Numărul autorizației de mediu	Autorizatia Integrata de Mediu nr.1 din 24.08.2015, rev. 24.05.2023
Persoana de contact	Sef Departament Mediu Mirela Dobrota
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CENTRALIZATOR EMISII AER _ 2023

DEPARTAMENT AGLOMERARE SI MATERII PRIME

Sursa / Echipament depoluare existent	Puncte de emisie	Poluanți emiși	VLE (mg/ Nm3)	Valoare min masurata (mg/ Nm3)	Valoare max masurata (mg/ Nm3)	Tip monitorizare	Observatii		
Concasare calcar/FS desprafuire statie concasare calcar	Sistem de evacuare (cos)	Pulberi	40	2.71	4.93	Determinare lunara	Determinari efectuate de Liberty Galati		
Operația de predozare /EF predozare	Sistem de evacuare (cos)	Pulberi	40	23.38	32.95	Determinare lunara	Determinari efectuate de Liberty Galati		
Circuitul retur / EF retur aglomerat	Sistem de evacuare (cos)	Pulberi	40	21.55	29.34	Determinare lunara	Determinari efectuate de Liberty Galati		
Concasare cocs / EF nr. 1 si nr.2 concasare cocs	Sistem de evacuare (cos)	Pulberi	40	16.94	33.80	Determinare lunara	Determinari efectuate de Liberty Galati		
Mașina de aglomerare 5 (desprafuire secundara)/ EF desprăfuire	Sistem de evacuare (cos)	Pulberi	30	1.07	21.22	Determinare continua	Incertitudinea de masurare a echipamentului de monitorizare continua <1%		
Mașinile de aglomerare nr. 5 si 6 (desprafuire primara) / Filtru hibrid M5 + EF epurare gaze arse M6 (cos comun)	Sistem de evacuare (cos)	Pulberi	39	4.06	36.27	Determinare continua	Incertitudinea de masurare a echipamentului de monitorizare continua: <1% pentru pulberi, respectiv <2% pentru gaze arse.		
		NO _x	500	59	84				
		SO ₂	500	350	404				
				NO _x	500	33	407	Determinare discontinua	Determinari efectuate de Liberty Galati
				SO ₂	500	41	434		
				pulberi	39		31.16	Determinare anuala	Determinari efectuate de Balint Analitika in decembrie 2023
				PCDD/F	0.4 ng I-TEQ/Nm3		0.209		
		Hg	0.05		0.0017				
Mașina de aglomerare nr. 5, filtru hibrid	Sistem de evacuare (cos)	PCDD/F	0.2 ng I-TEQ/Nm3		0.095	Determinare anuala	Determinari efectuate de Balint Analitika		
		pulberi	15		12.05				
Mașina de aglomerare nr. 6, EF epurare gaze arse	Sistem de evacuare (cos)	PCDD/F	0.4 ng I-TEQ/Nm3		0.233	Determinare anuala	Determinari efectuate de Balint Analitika		
		pulberi	40		32.21				
Mașina de aglomerare 6 (desprafuire secundara)/ EF desprăfuire	Sistem de evacuare (cos)	Pulberi	30	0.44	11.95	Determinare continua	Incertitudinea de masurare a echipamentului de monitorizare continua <1%		
Mașinile de aglomerare nr. 5 si 6 (desprafuire primara) / Filtru hibrid epurare gaze arse M5 + EF epurare gaze arse M6 (cos comun)	Sistem de evacuare (cos)	CO	37 Kg/ t sinter		5.70	Determinare anuala	Determinari efectuate in 2023		
		Cd	0.2767 g / t sinter		0.019				
		Cr	0.1251 g / t sinter		0.022				
		Cu	0.6005 g / t sinter		0.175				
		Mn	0.5394 g / t sinter		0.060				
		Ni	0.1756 g / t sinter		0.035				
		Pb	5.6612 g / t sinter		1.434				
Zn	1.9313 g / t sinter		0.033						

DEPARTAMENT FURNALE

Sursa / Echipament depoluare existent	Puncte de emisie	Poluanți emiși	VLE (mg/ Nm3)	Valoare min masurata (mg/ Nm3)	Valoare max masurata (mg/ Nm3)	Tip monitorizare	Observatii
F5 – alimentare cu materii prime / EF estacada buncare	Sistem de evacuare (cos)	Pulberi	40	4.14	10.92	Determinare lunara	Determinari efectuate de Liberty Galati
F5 – turnare fonta, zgura / FS hala de turnare	Sistem de evacuare (cos)	Pulberi	15	1.56	9.23	Determinare continua	Incertitudiunea de masurare a echipamentului de monitorizare continua <1%
Cowper F5	Sistem de evacuare (cos)	Pulberi	10	3.84	5.98	Determinare lunara	Determinari efectuate de Liberty Galati
		NO _x	100	37	73		
		SO _x	200	11	26		
Instalație insuflare praf cărbune/ FS insuflare cărbune	Sistem de evacuare (cos)	Pulberi	20	5.98	11.23	Determinare lunara	Determinari efectuate de Liberty Galati

OTELARIA LINTZ DONAWITZ NR. 1

Sursa / Echipament depoluare existent	Puncte de emisie	Poluanți emiși	VLE (mg/ Nm3)	Valoare min masurata (mg/ Nm3)	Valoare max masurata (mg/ Nm3)	Tip monitorizare	Observatii
Desulfurare fontă / filtru cu saci	Sistem de evacuare (coș)	Pulberi	10	1.59	7.83	Determinare lunara	Determinari efectuate de Liberty Galati
Epurare umedă a gazelor de convertizor la Convertizorul nr. 1	Sistem de evacuare (coș)	Pulberi	50	27.39	37.16	Determinare lunara	Determinari efectuate de Liberty Galati
Epurare umedă a gazelor de convertizor la Convertizorul nr. 2	Sistem de evacuare (coș)	Pulberi	50	27.57	34.03	Determinare lunara	Determinari efectuate de Liberty Galati
Epurare umedă a gazelor de convertizor la Convertizorul nr. 3	Sistem de evacuare (coș)	Pulberi	50	30.53	34.38	Determinare lunara	Determinari efectuate de Liberty Galati
Tratamentul secundar al oțelului, omogenizare in oala LF	Sistem de evacuare (coș)	Pulberi	10	4.14	6.92	Determinare lunara	Determinari efectuate de Liberty Galati
Elaborarea oțelului (incarcare/ descarcare convertizor, insuflare oxigen, prelevare probe)/ FS desprafuirea secundara	Sistem de evacuare (coș)	Pulberi	10	0.42	4.32	Determinare continua	Incertitudiunea de masurare a echipamentului de monitorizare continua <1%

Sursa / Echipament de depoluare	Puncte de emisie	Poluanții emiși	VLE g/ t oțel lichid	Valoare calculata g/ t oțel lichid	Tip monitorizare	Observatii
Epurare umedă a gazelor de convertizor la Convertizor nr. 1	Sistemele de evacuare (coș)	CO	16000	5936	Determinare anuala	Determinari efectuate in 2023
		NOx	20	9.38		
		SO2	5.5	2.81		
		Cadmiu	0.2	0.16		
		Fier	83	60.93		
Epurare umedă a gazelor de convertizor la Convertizor nr. 2	Sistemele de evacuare (coș)	CO	16000	5378	Determinare anuala	Determinari efectuate in 2023
		NOx	20	8.62		
		SO2	5.5	2.41		
		Cadmiu	0.2	0.11		
		Fier	83	41.74		
Epurare umedă a gazelor de convertizor la Convertizor nr. 3	Sistemele de evacuare (coș)	CO	16000	4725	Determinare anuala	Determinari efectuate in 2023
		NOx	20	14.93		
		SO2	5.5	2.19		
		Cadmiu	0.2	0.13		
		Fier	83	46.81		

LAMINOR DE TABLA GROASA NR. 2

Sursa / Echipament depoluare existent	Puncte de emisie	Poluanți emiși	VLE (mg/ Nm3)	Valoare min masurata (mg/ Nm3)	Valoare max masurata (mg/ Nm3)	Tip monitorizare	Observatii
Cuptor cu propulsie nr. 1	Sistem de evacuare (cos)	pulberi	20	4.29	4.29	Determinare anuala	Determinari efectuate de Liberty Galati
		CO	170	3	4	Determinare semestriala	
		NO _x	400	9	11		
		SO ₂	600	1	1		
Cuptor cu propulsie nr. 2	Sistem de evacuare (cos)	pulberi	20	3.40	3.40	Determinare anuala	Determinari efectuate de Liberty Galati
		CO	170	0	1	Determinare semestriala	
		NO _x	400	12	35		
		SO ₂	600	1	3		
Cuptor cu propulsie nr. 3	Sistem de evacuare (cos)	pulberi	20	-	-	Determinare anuala	Instalatie oprita in 2023
		CO	170	-	-	Determinare semestriala	
		NO _x	400	-	-		
		SO ₂	600	-	-		
Cuptor normalizare nr. 1	Sistem de evacuare (cos)	pulberi	20	5.28	5.28	Determinare anuala	Determinari efectuate de Liberty Galati
		CO	170	16	18	Determinare semestriala	
		NO _x	400	8	11		
		SO ₂	600	1	2		
Cuptor revenire	Sistem de evacuare (cos)	pulberi	20	-	-	Determinare anuala	Instalatie oprita in 2023
		CO	170	-	-	Determinare semestriala	
		NO _x	400	-	-		
		SO ₂	600	-	-		

LAMINOR DE BENZI LA CALD

Sursa / Echipament depoluare existent	Puncte de emisie	Poluanti emisi	VLE (mg/ Nm3)	Valoare min masurata (mg/ Nm3)	Valoare max masurata (mg/ Nm3)	Tip monitorizare	Observatii
Cuptor cu propulsie nr. 1	Sistem de evacuare (cos N)	pulberi	20	9	9	Determinare anuala	Determinari efectuate de Liberty Galati
		CO	170	16	16	Determinare semestriala	Determinari efectuate de Liberty Galati. In semestrul II CP 1 a fost oprit.
		NO _x	400	304	304		
		SO ₂	600	1	1		
	Sistem de evacuare (cos S)	pulberi	20	8	8	Determinare anuala	Determinari efectuate de Liberty Galati
		CO	170	2	2	Determinare semestriala	Determinari efectuate de Liberty Galati. In semestrul II CP 1 a fost oprit.
		NO _x	400	244	244		
		SO ₂	600	1	1		
Cuptor cu propulsie nr. 2	Sistem de evacuare (cos)	pulberi	20	5	5	Determinare anuala	Determinari efectuate de Liberty Galati
		CO	170	5	5	Determinare semestriala	Determinari efectuate de Liberty Galati in iunie. CP2 a mai functionat doar in luna iulie.
		NO _x	400	352	352		
		SO ₂	600	0	0		
Cuptor cu propulsie nr. 3	Sistem de evacuare (cos N)	pulberi	20	10	10	Determinare anuala	Determinari efectuate de Liberty Galati
		CO	170	1	4	Determinare semestriala	Determinari efectuate de Liberty Galati
		NO _x	400	171	301		
		SO ₂	600	1	1		
	Sistem de evacuare (cos S)	pulberi	20	11	11	Determinare anuala	Determinari efectuate de Liberty Galati
		CO	170	5	18	Determinare semestriala	Determinari efectuate de Liberty Galati
		NO _x	400	244	312		
		SO ₂	600	1	2		
Unitati de periere banda nr. 1 si nr. 2 - Linia de taiere Novastilmecc/ filtru cu saci	Sistem de evacuare (cos)	pulberi	50	1.15	4.53	Determinare semestriala	Determinare efectuate de Liberty Galati

LAMINOR DE BENZI LA RECE

Sursa / Echipament depoluare existent	Puncte de emisie	Poluanți emiși	VLE (mg/ Nm3)	Valoare min masurata (mg/ Nm3)	Valoare max masurata (mg/ Nm3)	Tip monitorizare	Observatii
Cuptor tratament termic	Sistem de evacuare (cos)	pulberi	10	1.16	1.16	Determinare anuala	Determinari efectuate de Liberty Galati
		CO	80	1	4	Determinare semestriala	Determinari efectuate de Liberty Galati
		NO _x	350	5	11		
		SO _x	100	2	3		
Băile de decapare cu HCl	Sistem de evacuare (cos)	Vapori HCl	30	14.22	14.22	Determinare semestriala	Determinari efectuate de Balint Analitika
Instalația de decapare cu HCl – deșunderizator și instalație sudură cap la cap și procesor	Sistem de evacuare (cos)	Pulberi	20	4.18	4.18	Determinare anuala	Determinari efectuate de Liberty Galati
Instalatia de regenerare a HCl	Sistem de evacuare (cos)	Pulberi	25	9.86	11.66	Determinare semestriala	Determinari efectuate de Liberty Galati
		Vapori HCl	20	10.0	10.0		Determinari efectuate de Balint Analitika
		CO	150	3	7		Determinari efectuate de Liberty Galati
		NO _x	350	17	19		
		SO ₂	80	1	2		

INSTALATIA DE VOPSIRE TABLA SUBTIRE OC-LINE

Sursa / Echipament depoluare existent	Puncte de emisie	Poluanți emiși	VLE (mg/ Nm3)	Valoare min masurata (mg/ Nm3)	Valoare max masurata (mg/ Nm3)	Tip monitorizare	Observatii
Instalatie de incinerare prin oxidare termica cu recuperare de caldura	Sistem de evacuare (cos)	pulberi	5	2.59	2.86	Determinare semestriala	Determinari efectuate de Liberty Galati
		CO	200	12	55	Determinare lunara	
		NO _x	200	43	69		
		SO _x	35	1	26		
				COV (COT)	20	9.83	9.83
Scruber umed cu pat mobil	Sistem de evacuare (cos)	Pulberi	10	1.92	6.27	Determinare trimestriala	Determinari efectuate de Liberty Galati
		HF	50	0.2	0.2	Determinare semestriala	Determinari efectuate de Balint Analitika
Boiler	Sistem de evacuare (cos)	Pulberi	5	2.5	3.7	Determinare anuala	Determinari efectuate de Liberty Galati
		CO	100	5	44		
		NO _x	350	36	40		
		SO _x	35	0	2		
Ciclone	Sistem de evacuare (cos)	Pulberi	50	6.69	8.25	Determinare semestriala (functie de debitul masurat)	Determinari efectuate de Liberty Galati

ZINCARE

Sursa / Echipament depoluare existent	Puncte de emisie	Poluanți emiși	VLE (mg/ Nm3)	Valoare min masurata (mg/ Nm3)	Valoare max masurata (mg/ Nm3)	Tip monitorizare	Observatii
Cuptor tratament termic	Sistem de evacuare (cos)	pulberi	4	2.15	2.15	Determinare anuala	Determinari efectuate de Liberty Galati
		CO	20	4	8	Determinare semestriala	Determinari efectuate de Liberty Galati
		NO _x	300	15	18		
		SO _x	40	8	9		

DPDES

Sursa / Echipament depoluare existent	Puncte de emisie	Poluanți emiși	VLE (mg/ Nm3)	Valoare min masurata (mg/ Nm3)	Valoare max masurata (mg/ Nm3)	Tip monitorizare	Observatii
Cazan abur nr.1	Sistem de evacuare (cos)	NO _x	200	6	26	Determinare semestriala	Determinari efectuate de Liberty Galati
		SO _x	200	1	5		
		pulberi	10	3.60	5.16		
Cazan abur nr.2	Sistem de evacuare (cos)	NO _x	200	37	55	Determinare semestriala	Determinari efectuate de Liberty Galati
		SO _x	200	1	1		
		pulberi	10	3.99	4.94		
Cazan abur nr.3	Sistem de evacuare (cos)	NO _x	200	-	-	Determinare semestriala	Instalatie oprita
		SO _x	200	-	-		
		pulberi	10	-	-		
Cazan abur nr.4	Sistem de evacuare (cos)	NO _x	200	-	-	Determinare semestriala	Instalatie oprita
		SO _x	200	-	-		
		pulberi	10	-	-		
Cazan abur nr.5	Sistem de evacuare (cos)	NO _x	200	81	128	Determinare semestriala	Determinari efectuate de Liberty Galati
		SO _x	200	1	2		
		pulberi	10	3.18	5.38		
Cazan abur nr.6	Sistem de evacuare (cos)	NO _x	200	-	-	Determinare semestriala	Instalatie oprita
		SO _x	200	-	-		
		pulberi	10	-	-		
Cazan abur nr.7	Sistem de evacuare (cos)	NO _x	200	11	152	Determinare semestriala	Determinari efectuate de Liberty Galati
		SO _x	200	0	2		
		pulberi	10	4.10	4.49		
Cazan abur nr.8	Sistem de evacuare (cos)	NO _x	200	112	124	Determinare semestriala	Determinari efectuate de Liberty Galati
		SO _x	200	1	2		
		pulberi	10	3.79	5.58		
Cazan abur nr.9	Sistem de evacuare (cos)	NO _x	200	-	-	Determinare semestriala	Instalatie oprita
		SO _x	200	-	-		
		pulberi	10	-	-		

Cazan abur nr.10	Sistem de evacuare (cos)	NO _x	200	90	153	Determinare semestriala	Determinari efectuate de Liberty Galati
		SO _x	200	1	1		
		pulberi	10	3.56	4.43		
Cazan abur nr.11	Sistem de evacuare (cos)	NO _x	200	47	146	Determinare semestriala	Determinari efectuate de Liberty Galati
		SO _x	200	1	2		
		pulberi	10	3.33	4.99		
Cazan abur nr.12	Sistem de evacuare (cos)	NO _x	200	-	-	Determinare semestriala	Instalatie oprita
		SO _x	200	-	-		
		pulberi	10	-	-		

DEPARTAMENT MENTENANTA CENTRALA

Sursa / Echipament depoluare existent	Puncte de emisie	Poluanți emiși	VLE (mg/ Nm3)	Valoare min masurata (mg/ Nm3)	Valoare max masurata (mg/ Nm3)	Tip monitorizare	Observatii
Cuptor electric de ars motoare – arderea lacului de impregnare si a liantului de pe izolatia motoarelor	Sistem de evacuare (cos)	CO	100	11	23	Determinare semestriala	Determinari efectuate de Liberty Galati
		NO _x	350	84	92		
		SO ₂	35	2	2		
		Pulberi	50	6.04	7.81		

DEPARTAMENT PIESE SCHIMB

Sursa / Echipament depoluare existent	Puncte de emisie	Poluanți emiși	VLE (mg/ Nm3)	Valoare min masurata (mg/ Nm3)	Valoare max masurata (mg/ Nm3)	Tip monitorizare	Observatii
Cuptor tratament termic cu vatra mobila 16m2	Sistem de evacuare (cos)	CO	100	13	16	Determinare semestriala	Determinari efectuate de Liberty Galati
		NO _x	350	84	101		
		SO ₂	35	2	4		
		Pulberi	5	1.85	2.33		

Note:

1. Pentru verificarea conformitatii datelor, in 2023 s-au realizat masuratori cu laborator tert specializat Rompetrol Quality Control Constanta si cu Balint Analitika. Se ataseaza rapoartele de incercare emise de cele 2 laboratoare.

Intocmit,

Butuc Ana-Lucia



2023

EMISII IN APA

Sursa generatoare	Natura apei	Punct de prelevare ape uzate	Indicatori de calitate/U.M.	VLE	valoare min masurata	valoare max masurata
Departament Aglomerare si Materii prime						
Răcirea indirectă a utilajelor, a exhaustoarelor și a sistemelor de ungere - Aglomerare 2	Ape uzate tehnologice	Colector 4- Aglomerare 2	SS,mg/l	350	59	63
			Fe total,mg/l	5	1.06	1.23
			Ni,mg/l	1	0.015*	0.015*
			Zn,mg/l	1	0.005*	0.005*
			Pb,mg/l	0.5	0.058*	0.058*
Departament Furnale						
(nefuncționarea separatorului Flottweg), Turnarea fontei pe banda in vederea răcirii formelor Preaplin turn răcire epurare si bazin apa decantata Preaplinul spălări decantoare Spălări turnuri	Ape uzate tehnologice	Colector 5F	SS,mg/l	350	95	122
			CN,mg/l	1	0.110	0.147
			Fe total,mg/l	5	1.41	1.98
			Zn,mg/l	1	0.230	0.331
			Pb,mg/l	0.5	0.117	0.139
Surplusul de apa din bazinele de granulare	Ape uzate tehnologice	Colector 8	SS,mg/l	350	94	110
			S ² +H ₂ S,mg/l	1	0.715	0.808
			SO ₄ ²⁻ ,mg/l	600	108.78	127.75
			Fe total,mg/l	5	1.33	1.76
OLD1+ TC1						
Spălarea bazinelor decantoare apa, spălarea turnurilor de răcire- OLD1	Ape uzate tehnologice si pluviala	La evacuarea apelor uzate din OLD1 in Colector 3	SS,mg/l	350	61	81
			Fe total,mg/l	5	1.25	2.12
			Zn,mg/l	1	0.017	0.023
			Ni,mg/l	1	0.015*	0.015*
			SE,mg/l	30	3.7	4.7
TC1 Răcire secundara mașini turnare Circuite de răcire prin stropire-	Ape uzate tehnologice si pluviala	La evacuarea apelor uzate din TC1 in Colector 3	SS,mg/l	350	51	65
			Fe total,mg/l	5	0.986	1.28
			Zn,mg/l	1	0.012	0.021
			Ni,mg/l	1	0.015*	0.015*
			SE,mg/l	30	3.5	5.1
LTGZ, LBC, Zincare						
Răcirea directă a cilindrilor de laminare, tamburilor .	Ape uzate tehnologice	Malina Nord	pH, unitati de pH	6.5-8.5	7.18	7.80
			Suspensii,mg/l	60	42	50
			CCO-Cr,mg/l	125	79.71	88.27
			Reziduu filtrabil,mg/l	2000	966	1118
			CBO5,mg/l	25	19.81	21.31
			Cloruri,mg/l	300	115.68	134.50
			Sulfati,mg/l	300	94.97	114.27
			Azotati,mg/l	25	10.27	11.88
			Azotiti,mg/l	1	0.253	0.337
			Amoniu,mg/l	2	1.28	1.62
			Fier total,mg/l	5	1.16	1.34
			Sulfuri+H2S,mg/l	0.5	0.279	0.323
			Compusi fenolici,mg/l	0.3	0.025	0.029
			Cianuri,mg/l	0.1	0.022	0.025
			Subst.extract.,mg/l	20	4.9	6.1
			Crom,mg/l	1	0.024*	0.024*
			Mangan,mg/l	1	0.047	0.059
			Nichel,mg/l	0.5	0.015*	0.015*
			Zinc,mg/l	0.5	0.025	0.032
			Plumb,mg/l	0.2	0.058*	0.058*
			Cupru,mg/l	0.1	0.001*	0.001*

Sursa generatoare	Natura apei	Punct de prelevare ape uzate	Indicatori de calitate/U.M.	VLE	valoare min masurata	valoare max masurata
LBR						
Instalatia de neutralizare a apelor uzate provenite de la decaparea cu HCl	Ape uzate tehnologice	Malina Nord	pH, unitati de pH	6.5-8.5	7.18	7.80
			Suspensii,mg/l	60	42	50
			CCO-Cr,mg/l	125	79.71	88.27
			Reziduu filtrabil,mg/l	2000	966	1118
			CBO5,mg/l	25	19.81	21.31
			Cloruri,mg/l	300	115.68	134.50
			Sulfati,mg/l	300	94.97	114.27
			Azotati,mg/l	25	10.27	11.88
			Azotiti,mg/l	1	0.253	0.337
			Amoniu,mg/l	2	1.28	1.62
			Fier total,mg/l	5	1.16	1.34
			Sulfuri+H2S,mg/l	0.5	0.279	0.323
			Compusi fenolici,mg/l	0.3	0.025	0.029
			Cianuri,mg/l	0.1	0.022	0.025
			Subst.extract.,mg/l	20	4.9	6.1
			Crom,mg/l	1	0.024*	0.024*
			Mangan,mg/l	1	0.047	0.059
			Nichel,mg/l	0.5	0.015*	0.015*
			Zinc,mg/l	0.5	0.025	0.032
			Plumb,mg/l	0.2	0.058*	0.058*
Cupru,mg/l	0.1	0.001*	0.001*			
LBR- Instalatie de vopsire table subtiri						
Statia de tratare a apelor uzate provenite de la OC-Line	Ape uzate tehnologice	La evacuarea apelor uzate din statia de tratare a apelor uzate provenite de la OC-Line	pH, unitati de pH	6.5-8.5	7.98	8.28
			Suspensii,mg/l	350	69.00	80.00
			CCO-Cr,mg/l	500	89.33	99.82
			Fosfor total,mg/l	5	1.85	2.39
			Subst.extract.,mg/l	30	4.8	5.1
			Fier total,mg/l	5	1.38	1.77
			Zinc,mg/l	1	0.045	0.059
			Crom,mg/l	1.5	0.024*	0.024*
			Plumb,mg/l	0.5	0.058*	0.058*
			Nichel,mg/l	1	0.015*	0.015*
			DPDES			
Răcirea directă a lagărelor utilajelor din CTS 1 și CTS 2	Ape uzate tehnologice și pluviale	Colectorul 8	SS,mg/l	350	94	110
			S ²⁻ +H ₂ S,mg/l	1	0.715	0.808
			SO ₄ ²⁻ ,mg/l	600	108.78	127.75
			Fe total,mg/l	5	1.33	1.76
Răcirea directă a lagărelor utilajelor din CTS 3	Ape uzate tehnologice și pluviale	Colector Valea Lupului	pH, unitati de pH	6.5-8.5	7.60	7.81
			Suspensii,mg/l	60	39	49
			CCO-Cr,mg/l	125	51.62	61.56
			Reziduu filtrabil,mg/l	1500	416	644
			CBO5,mg/l	25	15.11	19.18
			Azotati,mg/l	25	9.13	10.25
			Azotiti,mg/l	1	0.530	0.669
			Amoniu,mg/l	2	1.12	1.30
			Sulfuri+H2S,mg/l	0.5	0.114	0.134
			Compusi fenolici,mg/l	0.3	0.018	0.024
			Cianuri,mg/l	0.1	0.015	0.019
			Subst.extract.,mg/l	20	1.7	2.7
			Crom,mg/l	1	0.024*	0.024*
			Zinc,mg/l	0.5	0.005*	0.005*
Cupru,mg/l	0.1	0.001*	0.001*			
Statia de tratare apa industriala	Ape uzate tehnologice	Iaz Catusa	pH, unitati de pH	6.5-8.5	7.54	8.13
			Suspensii,mg/l	60	35	45
			CCO-Cr,mg/l	125	55.39	66.68
			Reziduu filtrabil,mg/l	1500	407	472
			CBO5,mg/l	25	18.50	19.84
			Cloruri,mg/l	300	46.92	53.62
			Sulfati,mg/l	300	46.53	59.46
			Azotati,mg/l	25	9.71	11.06
			Azotiti,mg/l	1	0.230	0.365
			Amoniu,mg/l	2	1.27	1.51
			Sulfuri+H2S,mg/l	0.5	0.218	0.233
			Compusi fenolici,mg/l	0.3	0.022	0.025
			Cianuri,mg/l	0.1	0.021	0.027
			Subst.extract.,mg/l	20	3.0	3.9
			Crom,mg/l	1	0.024*	0.024*
			Zinc,mg/l	0.5	0.005*	0.005*
			Cupru,mg/l	0.1	0.001*	0.001*
Statia de apa demineralizata	Ape uzate tehnologice	Evacuare in Colector 3	SS,mg/l	350	77	85
			Ca,mg/l	300	108.33	112.60
			Mg,mg/l	100	64.73	68.59

Sursa generatoare	Natura apei	Punct de prelevare ape uzate	Indicatori de calitate/U.M.	VLE	valoare min masurata	valoare max masurata
SERVICII						
Tratamente termice	Ape uzate tehnologice	Colector 2	pH, unitati de pH	6.5-8.5	7.60	7.92
			Suspensii,mg/l	60	39	46
			CCO-Cr,mg/l	125	59.00	67.00
			Reziduu filtrabil,mg/l	1500	416	503
			CBOS,mg/l	25	18.18	20.09
			Cloruri,mg/l	300	52.55	58.75
			Sulfati,mg/l	300	49.49	56.13
			Azotati,mg/l	25	9.56	12.58
			Azotiti,mg/l	1	0.313	0.364
			Amoniu,mg/l	2	0.586	0.807
			Sulfuri+H2S,mg/l	0.5	0.208	0.255
			Compusi fenolici,mg/l	0.3	0.021	0.029
			Cianuri,mg/l	0.1	0.021	0.026
			Subst.extract.,mg/l	20	2.2	3.4
			Crom,mg/l	1	0.024*	0.024*
			Zinc,mg/l	0.5	0.005*	0.005*
			Cupru,mg/l	0.1	0.001*	0.001*
DMC- Instalatia de spalare motoare Rezervor1	Ape uzate tehnologice	Colector 3	Suspensii,mg/l	350	72	103
			Cloruri,mg/l	500	128.61	218.00
			Sulfuri+H2S,mg/l	1	0.509	5.13
			Sulfati,mg/l	600	111.79	206.00
			Subst.extract.,mg/l	30	6.1	60.7
			Produse petroliere,mg/l	5	1.97	4.75
			Detergenti sintetici,mg/l	25	3.87	13.11

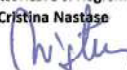
Nota:

1. Aglomerare 1, Produse Auxiliare, LTG1, UPS- instalatii oprite temporar.
2. VLE-valoare limita de emisie conform Autorizatiei Integrate de Mediu nr. 1,rev. 24.05.2023
3. Analizand rezultatele determinarilor, se constata ca exista depasiri fata de valorile prevazute in Autorizatia Integrata de Mediu nr. 1,rev. 24.05.2023 pentru indicatorii sulfuri+H2S si substante extractibile. Apele uzate vor fi eliminate prin societati autorizate .
4. Punctul de prelevare OC-line nu se mai regaseste in Autorizatia Integrata de Mediu nr. 1,rev. 24.05.2023
5. *-limita de cuantificare

Intocmit,
Sava Simona
Ciobotaru Daniela
Chifor Tincuta



Sef Serv. Monitorizare si Reglementare,
fiz. Cristina Nastase



Monitorizarea emisiilor in sol

2023



LIBERTY GALATI S.A.

• OLD3 (2023)

Nr. crt.	Locul recoltării	Valoare masurata, mg/kg									
		pH	Cu	Pb	Zn	Cd	Ni	Mn	Cr	SO ₄ ²⁻	
1	Zona decantare GA OLD 3 - TC3 - 0-5 cm suprafata	7.75	30.15	37.46	69.22	0.102	22.68	698.26	16.78	986.36	
2	Zona decantare GA OLD 3 - TC3 - 30-40 cm adancime	7.72	34.56	36.24	72.44	0.096	24.28	702.00	20.14	962.18	
3	Zona vest amplasament OLD 3 – TC3 - 0-5 cm suprafata	8.15	46.56	45.22	79.28	0.098	25.24	780.50	24.00	970.06	
4	Zona vest amplasament OLD 3– TC3- 30-40 cm adancime	8.10	44.78	47.42	78.16	0.092	24.88	674.40	22.84	1370.00	
5	Zona sud amplasament OLD 3– TC3 - 0-5 cm suprafata	8.00	35.64	43.26	92.52	0.089	25.07	542.22	23.00	1267.60	
6	Zona sud amplasament OLD 3 – TC3 - 30-40 cm adancime	8.20	42.76	42.18	90.08	0.075	23.24	521.28	21.84	1255.00	
	Incertitudine ± (mg/kg)	-	6.54	4.36	9.33	0.009	1.05	100.78	2.63	182.41	
	VLE pentru soluri mai putin sensibile conform Autorizatiei Integrate de Mediu nr. 1 / 24.08.2015, rev. 24.05.2023	7.5-8.5	<250	250	<700	5	<200	<2000	<300	<5000	

• Aglomerare (2023)

Nr. crt.	Locul recoltării	Valoare măsurată, mg/kg									
		Cu	Pb	Zn	Cd	Ni	Mn	Cr	SO ₄ ²⁻		
1	Zona Aglomerare 1 - 0-5 cm suprafața	36.54	56.89	89.63	0.783	24.36	697.52	23.37	878.00		
2	Zona Aglomerare 1- 30- 40 cm adancime	31.69	45.62	79.85	0.712	21.89	616.48	20.48	815.14		
3	Zona Aglomerare 2- 0-5 cm suprafața	44.37	47.95	92.16	0.698	27.45	725.30	22.18	840.12		
4	Zona Aglomerare 2 - 30- 40 cm adancime	40.55	40.87	80.90	0.624	24.50	675.04	20.35	986.25		
5	Poarta Sud - 0-5 cm suprafața	37.84	47.32	79.37	0.705	30.93	685.33	23.96	865.15		
6	Poarta Sud -30- 40 cm adancime	38.85	45.15	72.25	0.694	30.28	638.67	20.55	975.64		
7	Poarta Vest - 0-5 cm suprafața	40.51	48.66	96.65	0.595	35.05	756.74	26.11	925.45		
8	Poarta Vest - 30- 40 adancime	35.65	42.13	71.26	0.582	30.19	682.33	22.43	951.11		
	Incertitudine ±(mg/kg)	3.80	4.90	9.22	0.068	4.33	44.52	2.02	64.07		
VLE pentru soluri mai puțin sensibile conform Autorizatiei Integrate de Mediu nr. 1 / 24.08.2015,rev. 24.05.2023		<250	250	<700	5	<200	<2000	<300	<5000		

• Furnale & DLI (2023)

Nr. crt.	Locul recoltării	Valoare măsurată, mg/kg									
		Cu	Pb	Zn	Cd	Ni	Mn	Cr	SO ₄ ²⁻		
1	Zona Separator slam - 0-5 cm suprafața	40.56	54.36	83.11	0.763	31.23	736.11	25.26	744.36		
2	Zona Separator slam - 30-40 cm adancime	38.36	47.28	89.14	0.721	29.74	779.28	22.46	812.17		
3	Zona Instalatie granulare zgura - 0-5 cm suprafața	40.45	50.16	90.26	0.678	30.16	724.26	21.47	656.02		
4	Zona Instalatie granulare zgura , 30-40 cm adancime	37.33	48.22	87.15	0.729	30.11	705.27	21.04	720.16		
5	Zona Depozit ulei SEIRA - 0-5 cm suprafața	41.28	51.41	96.15	0.815	29.39	663.02	21.56	1184.65		
6	Zona Depozit ulei SEIRA- 30-40 cm adancime	35.28	50.05	86.22	0.767	24.26	643.58	19.24	1117.24		
7	Zona F3- 0-5 cm suprafața	41.22	55.26	93.24	0.692	25.87	758.47	20.17	1011.48		
8	Zona F3- 30-40 cm adancime	34.15	53.78	97.23	0.681	22.36	715.58	19.36	1456.28		
9	Poarta Sud- 0-5 cm suprafața	37.84	47.32	79.37	0.705	30.93	685.33	23.96	865.15		
10	Poarta Sud- 30-40cm adancime	38.85	45.15	72.25	0.694	30.28	638.67	20.55	975.64		
11	Poarta Vest - 0-5 cm suprafața	40.51	48.66	96.65	0.595	35.05	756.74	26.11	925.45		
12	Poarta Vest -30-40 adancime	35.65	42.13	71.26	0.582	30.19	682.33	22.43	951.11		
13	Smardan- 0-5 cm suprafața	40.28	51.18	72.35	0.609	27.94	845.26	23.27	1016.12		
14	Smardan-30-40 cm adancime	35.56	47.26	68.02	0.635	24.62	859.11	20.29	1263.29		
15	Sendreni- 0-5 cm suprafața	33.31	45.69	78.16	0.714	26.15	887.03	25.19	1114.85		
16	Sendreni- 30-40 cm adancime	29.69	44.79	73.34	0.705	24.79	835.81	23.85	1155.42		
	Incertitudine ±(mg/kg)	3.34	3.69	10.01	0.064	3.33	78.20	2.16	214.01		
VLE pentru soluri mai puțin sensibile conform Autorizatiei Integrate de Mediu nr. 1 / 24.08.2015,rev. 24.05.2023		<250	250	<700	5	<200	<2000	<300	<5000		

• Fabrica de Var nr. 1 (2023)

Nr. crt.	Locul recoltării	Valoare masurata, mg/kg									
		pH	Cu	Pb	Zn	Cd	Ni	Mn	Cr	SO ₄ ²⁻	
1	Zona Fabrica de var 1-zona instalatiei de sortare-concasare calcar si a CRV1 -0-5 cm suprafata	7.00	36.62	37.35	64.25	0.375	19.54	562.00	15.16	1143.00	
2	Zona Fabrica de var 1-zona instalatiei de sortare-concasare calcar si a CRV1 -30-40 cm adancime	7.35	34.21	36.99	70.72	0.352	17.74	541.00	14.89	700.00	
3	La distanta de 1 km pe directia sud fata de Fabrica de var nr.1 - 0-5 cm suprafata	7.02	32.75	48.01	66.94	0.400	18.35	584.00	16.22	425.00	
4	La distanta de 1 km pe directia sud fata de Fabrica de var nr.1 - 30-40 cm adancime	7.25	30.98	48.17	65.21	0.392	20.84	570.00	15.62	540.00	
5	La distanta de 1 km pe directia vest fata de Fabrica de var nr.1 - 0-5 cm suprafata	7.15	35.21	44.82	68.34	0.405	21.51	573.00	15.97	712.00	
6	La distanta de 1 km pe directia vest fata de Fabrica de var nr.1 - 30-40 cm adancime	7.02	34.03	40.17	66.81	0.376	20.11	502.00	17.33	883.00	
	Incertitudine ± (mg/kg)	-	1.95	5.10	2.30	0.020	1.44	29.81	0.871	254.65	
	VLE pentru soluri mai putin sensibile conform Autorizatiei Integrate de Mediu nr. 1 / 24.08.2015, rev. 24.05.2023	7.5-8.5	<250	250	<700	5	<200	<2000	<300	<5000	

• OLD1 (2023)

Nr. crt.	Locul recoltării	Valoare masurata, mg/kg									
		pH	Cu	Pb	Zn	Cd	Ni	Mn	Cr	SO ₄ ²⁻	
1	Zona hala convertitoare, 0-5 cm suprafata	-	49.60	52.44	77.85	0.954	30.42	778.48	24.36	332.00	
2	Zona hala convertitoare, 30-40 cm adancime	-	50.00	48.56	73.25	0.942	29.44	780.00	21.25	381.18	
3	Zona cladire administrativa OLD1, 0-5 cm suprafata	-	49.62	50.28	91.82	0.889	31.76	672.00	21.43	410.26	
4	Zona cladire administrativa OLD1, 30-40 cm adancime	-	47.56	53.27	88.84	0.902	30.44	668.26	20.62	418.24	
5	Zona decantare GA OLD1-TCl, 0-5 cm suprafata	-	51.44	62.11	95.24	0.874	30.48	762.36	21.84	662.00	
6	Zona decantare GA OLD1-TCl, 30-40 cm adancime	-	50.84	58.42	91.22	0.902	30.00	715.28	20.67	690.22	
7	Zona nord a halelor de turnare otel, 0-5 cm suprafata	-	44.48	47.68	86.55	0.995	29.64	757.00	25.33	670.00	
8	Zona nord a halelor de turnare otel, 30-40 cm adancime	-	40.18	45.39	80.48	0.975	28.42	754.26	22.87	720.00	
9	Zona est a halelor de turnare otel, 0-5 cm suprafata	-	40.16	52.00	75.56	0.878	25.82	694.24	20.46	749.66	
10	Zona est a halelor de turnare otel, 30-40 cm adancime	-	38.62	54.20	73.84	0.906	24.24	701.34	19.28	747.28	
11	Zona vest amplasament OLD1-TCl, 0-5 cm suprafata	-	46.68	50.88	80.24	0.996	26.22	628.37	19.28	760.22	
12	Zona vest amplasament OLD1-TCl, 30-40 cm adancime	-	45.23	48.72	76.45	0.984	23.68	624.62	18.86	796.00	
13	Zona nord amplasament OLD1-TCl, 0-5 cm suprafata	-	42.56	52.34	75.26	0.975	24.42	620.00	20.08	816.00	
14	Zona nord amplasament OLD1-TCl, 30-40 cm adancime	-	39.00	50.16	76.00	0.980	23.28	634.68	20.00	791.14	
	Incertitudine ± (mg/kg)	-	4.64	4.32	7.55	0.046	2.99	59.60	1.90	173.26	
	VLE pentru soluri mai putin sensibile conform Autorizatiei Integrate de Mediu nr. 1 / 24.08.2015, rev. 24.05.2023	-	<250	250	<700	5	<200	<2000	<300	<5000	

• LTG1 & LTG2 (2023)

Nr. crt.	Locul recoltării	Valoare masurata, mg/kg									
		Cu	Pb	Zn	Cd	Ni	Mn	Cr	Fe	SO ₄ ²⁻	
1	Zona LTG1-sud ULP, 0-5 cm suprafata	31.16	38.15	57.96	0.655	19.08	550.60	15.24	-	650.00	
2	Zona LTG1-sud ULP, 30-40 cm adancime	29.80	37.60	53.18	0.650	16.80	530.40	13.22	-	633.00	
3	Zona LTG1- Nord ULP ,bloc administrativ, 0-5 cm suprafata	30.66	38.40	51.44	0.800	18.50	584.00	15.80	-	860.00	
4	Zona LTG1- Nord ULP ,bloc administrativ , 30-40 cm adancime	27.80	36.00	50.75	0.755	18.72	489.20	15.44	-	788.00	
5	Zona vest LTG2, 0-5 cm suprafata	22.36	51.12	63.08	0.742	19.40	650.00	18.56	-	782.00	
6	Zona vest LTG2, 30-40 cm adancime	20.04	43.78	58.88	0.731	18.28	580.80	17.40	-	779.00	
	Incertitudine ±(mg/kg)	4.67	5.68	4.87	0.059	0.908	54.74	1.85	-	88.42	
VLE pentru soluri mai puțin sensibile conform Autorizatiei Integrate de Mediu nr. 1 / 24.08.2015,rev. 24.05.2023		<250	250	<700	5	<200	<2000	<300	-	<5000	

•LBR & LBC (2023)

Nr. crt.	Locul recoltării	Valoare masurata , mg/kg									
		Cu	Pb	Zn	Cd	Ni	Mn	Cr	Fe	SO ₄ ²⁻	
1	Zona dintre LBR-LBC- 0-5 cm suprafata	17.11	55.27	69.10	0.584	22.17	572.00	18.32	-	752.00	
2	Zona dintre LBR-LBC, 30-40 cm adancime	25.63	50.36	63.24	0.572	19.75	555.13	17.22	-	992.32	
	Incertitudine ±(mg/kg)	6.02	3.47	4.144	0.008	1.71	11.93	0.778	-	169.93	
VLE pentru soluri mai puțin sensibile conform Autorizatiei Integrate de Mediu nr. 1 / 24.08.2015,rev. 24.05.2023		<250	250	<700	5	<200	<2000	<300	-	<5000	

• Zincare (2023)

Nr. crt.	Locul recoltării	Valoare masurata , mg/kg									
		Cu	Pb	Zn	Cd	Ni	Mn	Cr	Fe	SO ₄ ²⁻	
1	Zona vest IZ langa LBR-0-5 cm suprafata	26.91	55.26	75.05	0.741	25.11	639.12	25.29	25485.36	1040.36	
2	Zona vest IZ langa LBR, 30-40 cm adancime	25.43	51.38	71.94	0.725	21.23	598.02	21.74	23750.24	842.15	
3	Zona nord IZ spre LSF- 0-5 cm suprafata	36.26	55.42	67.25	0.664	25.17	651.00	21.26	26609.15	980.26	
4	Zona nord IZ spre LSF - 30-40 cm adancime	26.47	52.16	68.63	0.685	23.62	660.29	20.69	25192.33	1030.91	
5	Zona est IZ spre LBC- 0-5 cm suprafata	25.41	54.26	74.26	0.731	26.12	719.58	23.16	28011.47	1077.08	
6	Zona est IZ spre LBC - 30-40 cm adancime	23.54	53.11	68.08	0.705	24.19	631.38	25.28	25578.12	1123.65	
	Incertitudine ±(mg/kg)	4.52	1.66	3.35	0.030	1.71	40.29	2.02	1432.43	97.61	
VLE pentru soluri mai puțin sensibile conform Autorizatiei Integrate de Mediu nr. 1 / 24.08.2015,rev. 24.05.2023		<250	250	<700	5	<200	<2000	<300	50 000	<5000	

• DEU (2023)

Nr. crt.	Locul recoltării	Valoare măsurată , mg/kg										
		Cu	Pb	Zn	Cd	Fe	Ni	Mn	Cr	SO ₄ ²⁻		
1	Zona CT51- zona cazanului 3, 0-5 cm suprafața	36.38	66.44	81.00	1.20	-	29.22	657.64	25.94	824.56		
2	Zona CT51- zona cazanului 3, 30-40 cm adancime	40.12	60.74	84.54	1.08	-	30.00	714.16	27.48	820.00		
3	Zona CT52- perimetrul turn racire, 0-5 cm suprafața	42.56	52.05	75.24	1.00	-	35.62	790.00	27.81	778.22		
4	Zona CT52- perimetrul turn racire, 30-40 cm adancime	40.78	47.33	77.14	0.95	-	32.28	772.00	26.05	950.00		
5	Zona CT53- zona cazanului 15, 0-5 cm suprafața	40.56	48.67	70.28	1.12	-	31.16	861.41	28.04	730.84		
6	Zona CT53- zona cazanului 15, 30-40 cm adancime	39.54	45.29	76.28	1.00	-	32.00	842.77	26.27	732.00		
	incertitudine ±(mg/kg)	2.04	8.38	4.91	0.092	-	2.24	77.13	0.949	81.45		
	VLE pentru soluri mai puțin sensibile conform Autorității Integrate de Mediu nr. 1 / 24.08.2015, rev. 24.05.2023	<250	250	<700	5	-	<200	<2000	<300	<5000		

• DPS & DMC (2023)

Nr. crt.	Locul recoltării	Valoare măsurată , mg/kg										
		Cu	Pb	Zn	Cd	Fe	Ni	Mn	Cr	SO ₄ ²⁻		
1	Vest DMPS in vecinatatea ITG1, 0-5 cm suprafața	21.75	49.62	61.86	0.529	28009.00	19.93	595.12	17.27	1035.00		
2	Vest DMPS in vecinatatea ITG1, 30-40 cm adancime	20.66	40.12	58.73	0.475	27995.00	21.46	567.35	18.44	1113.00		
3	Nordul DMPS in vecinatatea OLD3, 0-5 cm suprafața	26.11	50.12	78.36	0.662	26654.00	22.46	711.00	19.52	998.66		
4	Nordul DMPS in vecinatatea OLD3, 30-40 cm adancime	24.59	48.03	69.95	0.659	25983.00	21.10	689.00	18.74	1002.00		
5	Estul DMPS spre atelier intretinere mecanica, 0-5 cm suprafața	25.42	49.22	70.56	0.602	24663.00	20.03	577.00	17.35	955.00		
6	Estul DMPS spre atelier intretinere mecanica, 30-40 cm adancime	21.36	44.00	65.24	0.587	23009.00	17.55	500.03	16.22	1011.00		
7	Sudul DMPS in vecinatatea directiei administrative, 0-5 cm suprafața	37.55	50.24	62.88	0.395	26253.00	23.88	689.25	25.11	772.00		
8	Sudul DMPS in vecinatatea directiei administrative, 30-40 cm adancime	37.92	49.96	68.21	0.378	25778.00	24.64	543.96	26.01	795.36		
9	Limita sudica a DMPS, langa OLD1, 0-5 cm suprafața	36.70	48.35	59.26	0.512	25773.00	25.72	888.00	26.15	628.00		
10	Limita sudica a DMPS, langa OLD1, 30-40 cm adancime	40.02	45.08	62.11	0.486	23986.00	27.35	795.00	25.76	700.00		
11	Limita nordica a DMPS, langa TC3, 0-5 cm suprafața	40.55	52.33	76.42	0.485	22954.00	28.91	889.00	26.86	503.00		
12	Limita nordica a DMPS, langa TC3, 30-40 cm adancime	37.72	50.03	74.11	0.473	22778.00	27.64	802.00	25.41	498.00		
13	Estul RS in vecinatatea Fluxuri speciale, 0-5 cm suprafața	42.54	51.20	68.32	0.555	24666.00	26.11	864.00	24.33	637.00		
14	Estul RS in vecinatatea Fluxuri speciale, 30-40 cm adancime	40.17	48.79	71.48	0.503	22891.00	25.36	905.00	22.73	641.00		
15	SRM-Reconditionari Cilindri Laminare- Zona halei masini unelte ,0-5 cm suprafața	36.21	55.21	59.46	0.635	-	24.32	722.00	23.16	497.00		
16	SRM-Reconditionari Cilindri Laminare- Zona halei masini unelte ,30-40 cm adancime	35.34	56.34	60.02	0.645	-	23.74	741.00	24.51	482.00		
	incertitudine ±(mg/kg)	7.89	3.94	6.41	0.089	1698.29	3.15	132.95	3.75	223.44		
	VLE pentru soluri mai puțin sensibile conform Autorității Integrate de Mediu nr. 1 / 24.08.2015, rev. 24.05.2023	<250	250	<700	5	<50 000	<200	<2000	<300	<5000		

Nota : Pentru zona SRM-Reconditionari Cilindri Laminare- Zona halei masini unelte nu este prevazuta analiza indicatorului Fe.

Observatii privind monitorizarea calitatii solului .

1. Datele reprezentate monitorizarea anuala realizata de Laboratorul de Mediu din cadrul LIBERTY GALATI SA ,in cursul anului 2023. Se anexeaza rapoartele de incercare emise de Laboratorul de Mediu.
2. Pentru verificarea conformitatii datelor se realizeaza anual determinari cu laborator tert specializat
3. Analizand valorile rezultatelor obtinute, nu se inregistreaza depasiri ale valorilor limita prevazute in Autorizatia integrata de Mediu nr. 1 / 24.08.2015, rev. 24.05.2023, respectiv Ordin 756/97 pentru aprobarea Reglementării privind evaluarea poluării mediului, pentru soluri mai puțin sensibile.

Intocmit,
Chiufor Tincuța

Sef Serv. Reglementare si Monitorizare,
fiz. Naștase Cristina

Loc de prelevare/zona	Indicatori de calitate/U.A.	VLE	Trim. I	incertitudine (±) mg/l	Trim. II	incertitudine (±) mg/l	Trim. III	incertitudine (±) mg/l	Trim. IV	incertitudine (±) mg/l
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Malina Nora

FB1	pH, unit pH	7.90	7.51	-	7.77	-	7.81	-	7.70	-
	Suspensie, mg/l	47	42	0.577	44	0.577	45	0.577	43	1.53
	Reziduu filtrabil, mg/l	582	459	1.15	482	2.00	495	5.03	527	3.06
	CCOCr, mg/l	33	33	0.000	31.76	0.555	32.16	0.257	30.96	0.203
	CCO-Mn, mg/l	46	40.65	0.371	42.67	0.577	43.58	0.380	42.03	0.234
	Cloruri, mg/l	156	140.33	1.155	142.05	0.999	144.75	0.261	148.31	0.358
	Sulfati, mg/l	170	152.83	0.170	158.65	0.535	161.25	1.14	166.03	0.43
	Azotati, mg/l	24.7	13.07	0.115	13.05	0.172	13.10	0.040	13.01	0.155
	Amoniu, mg/l	0.400	0.354	0.052	0.362	0.004	0.380	0.005	0.363	0.008
	Fier total, mg/l	2.6	1.58	0.015	1.68	0.020	1.82	0.025	2.04	0.111
	Calciu, mg/l	87	72.74	0.260	74.23	0.095	76.66	0.874	80.70	0.323
	Magneziu, mg/l	17	15.15	0.070	16.14	0.140	16.13	0.121	16.02	0.211
	Compuși fenolici, mg/l	0.009	0.005	0.001	0.007	0.001	0.007	0.001	0.006	0.001
	Cianuri, mg/l	0.002	0.0010	0.000	0.0010	0.000	0.001	0.000	0.0010	0.0001
	Crom total, mg/l	0.060	0.036	0.001	0.036	0.001	0.039	0.001	0.047	0.002
	Mangan, mg/l	0.044	0.038	0.001	0.039	0.001	0.041	0.001	0.040	0.002
	Nichel, mg/l	0.027	0.022	0.001	0.024	0.001	0.025	0.001	0.023	0.002
	Zinc, mg/l	0.052	0.042	0.001	0.046	0.001	0.044	0.001	0.044	0.002
	Plumb, mg/l	0.058	0.058*	0.000	0.058*	0.000	0.058*	0.000	0.058*	0.000
	Cupru, mg/l	0.03	0.001*	0.000	0.001*	0.000	0.001*	0.000	0.001*	0.000
FB9	pH, unit pH	7.39	7.19	-	7.25	-	7.29	-	7.21	-
	Suspensie, mg/l	57	51	1.15	54	1.15	54	0.577	53	1.08
	Reziduu filtrabil, mg/l	410	369	1.15	378	3.53	381	1.53	385	9.45
	CCOCr, mg/l	30	30	0.000	29.10	0.137	28.43	0.167	26.96	0.248
	CCO-Mn, mg/l	39.4	34.22	0.160	35.71	0.281	37.08	0.080	37.79	0.660
	Cloruri, mg/l	83.4	78.11	0.103	79.79	0.244	81.65	0.360	80.72	0.904
	Sulfati, mg/l	25	22.92	0.080	23.85	0.131	23.04	0.183	23.80	0.705
	Azotati, mg/l	1.8	1.24	0.025	1.42	0.030	1.40	0.015	1.45	0.050
	Amoniu, mg/l	0.6	0.509	0.004	0.540	0.016	0.567	0.004	0.537	0.029
	Fier total, mg/l	0.95	0.760	0.002	0.810	0.012	0.845	0.009	0.888	0.017
	Calciu, mg/l	76.6	66.15	0.264	70.57	0.391	72.81	0.474	73.70	0.577
	Magneziu, mg/l	24.3	21.22	0.092	22.70	0.295	22.73	0.238	23.16	0.465
	Compuși fenolici, mg/l	0.0010	0.0006	0.0001	0.0008	0.0001	0.0006	0.0001	0.0005	0.0002
	Cianuri, mg/l	0.0010	0.0005	0.0001	0.0007	0.0001	0.0006	0.0001	0.0006	0.0002
	Crom total, mg/l	0.080	0.034	0.001	0.038	0.001	0.043	0.002	0.042	0.003
	Mangan, mg/l	0.045	0.037	0.001	0.037	0.001	0.039	0.002	0.037	0.002
	Nichel, mg/l	0.025	0.021	0.000	0.022	0.001	0.021	0.001	0.021	0.002
	Zinc, mg/l	0.013	0.010	0.001	0.010	0.001	0.010	0.001	0.011	0.001
	Plumb, mg/l	0.058*	0.058*	0.000	0.058*	0.000	0.058*	0.000	0.058*	0.000
	Cupru, mg/l	0.001*	0.001*	0.000	0.001*	0.000	0.001*	0.000	0.001*	0.000

UCC1

F76	pH, unitati pH	8.25	7.93	-	8.02	-	7.73	-	7.51	-
	Reziduu fix, mg/l	742	651	35.83	611	17.20	586	29.58	628	29.34
	CCOCr, mg/l	29.4	25.18	0.769	25.00	0.720	25.41	0.583	25.11	0.792
	Sulfati, mg/l	124	108.09	4.99	110.90	1.48	110.39	1.33	115.39	3.91
	Cloruri, mg/l	46.8	43.35	0.673	43.45	0.691	43.34	0.695	42.46	0.270
	Amoniu, mg/l	0.504	0.464	0.032	0.443	0.020	0.425	0.009	0.435	0.034
	Azotati, mg/l	31.2	24.01	1.86	23.33	1.28	24.27	0.884	23.43	1.039
	Fier total, mg/l	2.75	1.77	0.078	1.74	0.062	1.81	0.143	1.59	0.065
	Compuși fenolici, mg/l	0.068	0.053	0.003	0.049	0.006	0.049	0.004	0.048	0.004
	Cianuri, mg/l	0.021	0.016	0.001	0.015	0.001	0.015	0.001	0.014	0.001
	Crom total, mg/l	0.08	0.056	0.004	0.050	0.007	0.056	0.003	0.052	0.005
	Mangan, mg/l	0.298	0.234	0.013	0.242	0.005	0.246	0.006	0.231	0.017
	Plumb, mg/l	0.06	0.045	0.002	0.058*	0.000	0.058*	0.000	0.058*	0.000
	Etinc, mg/l	0.101	0.078	0.004	0.079	0.008	0.079	0.002	0.078	0.006
	Nichel, mg/l	0.09	0.024	0.001	0.023	0.001	0.021	0.002	0.022	0.002
	Cupru, mg/l	0.005	0.001*	0.000	0.001*	0.000	0.001*	0.000	0.001*	0.000
	Cadmium, mg/l	0.016*	0.016*	0.000	0.016*	0.000	0.016*	0.000	0.016*	0.000
	Benzen, μg/l	<8	<8	0.000	<8	0.000	<8	0.000	<8	0.000
	HPA, μg/l	0.096	0.05	0.003	0.048	0.002	0.048	0.002	0.042	0.002
	F77	pH, unitati pH	8.12	7.75	-	7.91	-	7.70	-	7.39
Reziduu fix, mg/l		698	557	13.41	584	5.97	598	12.67	521	5.85
CCOCr, mg/l		34.9	28.19	0.479	28.79	1.29	30.19	1.07	26.50	1.27
Sulfati, mg/l		128	111.04	1.02	111.51	1.98	110.85	2.18	102.99	3.77
Cloruri, mg/l		63.2	54.25	1.40	53.64	1.28	54.97	1.27	53.98	1.34
Amoniu, mg/l		0.481	0.354	0.016	0.371	0.016	0.376	0.003	0.341	0.012
Azotati, mg/l		30.4	25.47	1.10	24.55	1.15	22.47	0.806	19.90	0.847
Fier total, mg/l		2.29	1.49	0.083	1.51	0.138	1.67	0.089	1.46	0.053
Compuși fenolici, mg/l		0.066	0.053	0.004	0.047	0.006	0.048	0.003	0.039	0.006
Cianuri, mg/l		0.02	0.010	0.001	0.011	0.001	0.011	0.001	0.011	0.001
Crom total, mg/l		0.079	0.058	0.005	0.062	0.002	0.066	0.005	0.051	0.005
Mangan, mg/l		0.287	0.226	0.007	0.237	0.004	0.245	0.003	0.190	0.081
Plumb, mg/l		0.05	0.037	0.003	0.034	0.002	0.029	0.003	0.025	0.002
Zinc, mg/l		0.098	0.079	0.004	0.083	0.004	0.079	0.001	0.076	0.002
Nichel, mg/l		0.023	0.015*	0.000	0.015*	0.000	0.020	0.000	0.015*	0.000
Cupru, mg/l		0.007	0.004	0.000	0.004	0.001	0.004	0.001	0.003	0.001
Cadmium, mg/l		0.016*	0.016*	0.000	0.016*	0.000	0.016*	0.000	0.016*	0.000
Benzen, μg/l		<8	<8	0.000	<8	0.000	<8	0.000	<8	0.000
HPA, μg/l		0.094	0.052	0.004	0.050	0.003	0.056	0.004	0.043	0.003

Loc de prelevare/zona	Indicatori de calitate/U.M.	VLE	Trim. I	Incertitudine (±) mg/l	Trim. II	Incertitudine (±) mg/l	Trim. III	Incertitudine (±) mg/l	Trim. IV	Incertitudine (±) mg/l
F 46	pH, unitati pH	8.28	7.53	-	8.04	-	8.00	-	7.74	-
	Reziduu fix, mg/l	366	817	419	563	14.31	306	4.53	600	12.86
	CCOCr, mg/l	40.8	12.24	3.10	39.41	0.592	32.77	0.218	40.32	1.02
	Sulfati, mg/l	182	129.39	0.82	135.14	4.15	147.56	1.38	134.55	3.65
	Cloruri, mg/l	76.44	59.67	1.74	61.80	2.12	65.44	0.666	64.01	1.01
	Amoniu, mg/l	0.62	0.534	0.014	0.548	0.018	0.540	0.012	0.512	0.009
	Azetati, mg/l	40.22	31.66	0.705	33.12	1.32	34.22	1.60	39.38	1.89
	Fier total, mg/l	3.78	2.53	0.059	2.60	0.056	2.82	0.125	2.33	0.190
	Compusi fenolici, mg/l	0.076	0.061	0.008	0.057	0.004	0.057	0.002	0.052	0.004
	Cianuri, mg/l	0.023	0.016	0.001	0.015	0.002	0.016	0.001	0.015	0.001
	Crom total, mg/l	0.087	0.058	0.003	0.063	0.004	0.064	0.002	0.060	0.003
	Mangan, mg/l	0.299	0.190	0.006	0.197	0.005	0.191	0.006	0.178	0.004
	Plumb, mg/l	0.063	0.053	0.001	0.058*	0.000	0.058*	0.000	0.054*	0.000
	Zinc, mg/l	0.108	0.081	0.007	0.083	0.003	0.086	0.004	0.081	0.005
	Nichel, mg/l	0.027	0.026	0.002	0.023	0.002	0.024	0.002	0.027	0.001
	Cupru, mg/l	0.006	0.001*	0.000	0.001*	0.000	0.001*	0.000	0.001*	0.000
	Cadmiu, mg/l	0.016*	0.016*	0.000	0.016*	0.000	0.016*	0.000	0.016*	0.000
	Benzen, µg/l	<8	<8	0.000	<8	0.000	<8	0.000	<8	0.000
	HPA, µg/l	0.085	0.051	0.002	0.054	0.003	0.070	0.000	<8	0.000
	F 17	pH, unitati pH	8.22	7.65	-	7.91	-	7.64	-	7.81
Reziduu fix, mg/l		885	674	10.78	690	6.38	757	4.62	716	16.19
CCOCr, mg/l		36.8	25.72	0.411	28.04	2.24	33.05	0.838	40.84	0.57
Sulfati, mg/l		158	127.12	1.80	130.05	1.28	144.25	3.85	131.09	1.65
Cloruri, mg/l		82.6	64.21	1.55	62.97	1.34	70.84	0.873	72.31	1.34
Amoniu, mg/l		0.857	0.559	0.017	0.610	0.029	0.631	0.011	0.622	0.008
Azetati, mg/l		45.6	30.14	0.720	33.97	0.686	36.14	1.35	32.87	0.879
Fier total, mg/l		3.1	2.12	0.121	2.18	0.127	1.95	0.229	1.74	0.068
Compusi fenolici, mg/l		0.067	0.071	0.002	0.069	0.005	0.059	0.010	0.058	0.003
Cianuri, mg/l		0.032	0.025	0.002	0.024	0.002	0.021	0.003	0.024	0.001
Crom total, mg/l		0.089	0.069	0.004	0.074	0.002	0.073	0.002	0.070	0.004
Mangan, mg/l		0.262	0.209	0.005	0.229	0.012	0.220	0.010	0.215	0.010
Plumb, mg/l		0.053	0.025	0.003	0.039	0.004	0.043	0.002	0.041	0.003
Zinc, mg/l		0.102	0.083	0.005	0.087	0.006	0.085	0.004	0.084	0.007
Nichel, mg/l		0.032	0.025	0.001	0.023	0.002	0.023	0.001	0.024	0.001
Cupru, mg/l		0.008	0.001*	0.000	0.001*	0.000	0.001*	0.000	0.001*	0.000
Cadmiu, mg/l		0.016*	0.016*	0.000	0.016*	0.000	0.016*	0.000	0.016*	0.000
Benzen, µg/l		<8	<8	0.000	<8	0.000	<8	0.000	<8	0.000
HPA, µg/l		0.088	0.060	0.002	0.059	0.002	0.051	0.003	0.050	0.002

Iaz Soldana 2

F 1	pH, unitati pH	8.34	-	-	7.78	-	7.63	-	7.65	-
	Reziduu fix, mg/l	792	-	-	572	2	578	2.34	574	14.57
	CCOCr, mg/l	61	-	-	39.89	0.430	44.19	0.519	44.78	0.994
	Sulfati, mg/l	221	-	-	119.45	0.778	123.85*	1.93	124.13	1.73
	Cloruri, mg/l	120	-	-	100.96	0.275	110.17	0.737	110.03	0.96
	Amoniu, mg/l	3.6	-	-	1.18	0.040	1.26	0.027	1.36	0.121
	Azetati, mg/l	40	-	-	20.49	0.277	21.41	0.471	22.27	0.726
	Fier total, mg/l	3.41	-	-	2.74	0.111	2.63	0.162	2.45	0.178
	Compusi fenolici, mg/l	0.04	-	-	0.029	0.002	0.030	0.003	0.023	0.003
	Cianuri, mg/l	0.028	-	-	0.020	0.001	0.018	0.002	0.018	0.001
	Crom total, mg/l	0.072	-	-	0.040	0.002	0.047	0.002	0.053	0.003
	Mangan, mg/l	0.403	-	-	0.305	0.008	0.290	0.053	0.311	0.011
	Plumb, mg/l	0.058	-	-	0.057	0.002	0.060	0.000	0.060	0.000
	Zinc, mg/l	0.114	-	-	0.074	0.002	0.078	0.002	0.081	0.003
	Nichel, mg/l	0.034	-	-	0.029	0.002	0.037	0.003	0.040	0.003
	Cupru, mg/l	0.009	-	-	0.001*	0.001	0.001*	0.000	0.001*	0.000
	Cadmiu, mg/l	0.016*	-	-	0.016*	0.000	0.016*	0.000	0.016*	0.000
	Benzen, µg/l	<8	-	-	<8	0.000	<8	0.000	<8	0.000
	HPA, µg/l	0.087	-	-	0.054	0.000	0.060	0.002	0.057	0.004
	F 2	pH, unitati pH	8.26	6.71	-	7.19	-	7.68	-	7.48
Reziduu fix, mg/l		780	589	117	546	3.98	569	3.74	561	14.08
CCOCr, mg/l		55	41.84	0.167	43.37	0.540	44.56	0.956	44.68	1.77
Sulfati, mg/l		190	43.33	0.483	45.89	1.56	48.43	0.465	49.88	0.762
Cloruri, mg/l		100	28.88	0.596	29.76	1.48	33.43	0.457	34.01	0.799
Amoniu, mg/l		1.8	1.54	0.038	1.53	0.071	1.45	0.065	1.38	0.061
Azetati, mg/l		29	21.58	0.222	23.35	0.488	22.74	0.252	22.80	0.449
Fier total, mg/l		2.35	1.55	0.099	1.66	0.062	1.67	0.080	1.64	0.049
Compusi fenolici, mg/l		0.042	0.028	0.004	0.037	0.003	0.037	0.002	0.034	0.003
Cianuri, mg/l		0.023	0.014	0.001	0.017	0.001	0.018	0.002	0.014	0.002
Crom total, mg/l		0.071	0.043	0.002	0.053	0.004	0.056	0.002	0.060	0.003
Mangan, mg/l		0.316	0.121	0.002	0.167	0.012	0.175	0.003	0.195	0.007
Plumb, mg/l		0.07	0.058*	0.000	0.058*	0.000	0.058*	0.000	0.058*	0.000
Zinc, mg/l		0.11	0.057	0.002	0.031	0.002	0.038	0.002	0.040	0.001
Nichel, mg/l		0.081	0.053	0.002	0.060	0.001	0.064	0.002	0.060	0.004
Cupru, mg/l		0.008	0.001*	0.000	0.001*	0.000	0.001*	0.000	0.001*	0.000
Cadmiu, mg/l		0.016*	0.016*	0.000	0.016*	0.000	0.016*	0.000	0.016*	0.000
Benzen, µg/l		<8	<8	0.000	<8	0.000	<8	0.000	<8	0.000
HPA, µg/l		0.091	0.077	0.003	0.078	0.006	0.069	0.002	0.066	0.004

Note:

* limita de cuantificare

VLE - valoare limita de emisie conform Autorizatiei Integritate de Mediu nr. 1, rev. 24.05.2023

Se prezinta valorile de limita - indicatori nu mentionati in AGA nr. 06/28.02.2023

Intocmit,
Căpitanu Daniela
Javă Simone
Chifor Tincuta

[Signature]

Set Serv. Reglementare și Monitorizare,

Nastase Cristina

[Signature]

**Monitorizarea factorilor de mediu
pentru depozitul de deseuri
industriale nepericuloase**

“Halda de zgura”

2023

Monitorizare lunara Siret amonte

			Perioada de monitorizare												Incertitudine (±) mg/l
			ianuarie	februarie	martie	aprilie	mai	iunie	iulie	august	septembrie	octombrie	noiembrie	decembrie	
1	pH	unit pH	8.35	8.40	8.32	8.30	8.39	8.32	8.38	8.42	8.50	8.39	7.95	7.84	-
2	Duritate	dt°	239.22	240.97	243.06	236.61	241.10	237.46	221.60	230.13	227.87	231.16	220.72	219.71	8.49
3	Suspensii	mg/l	51	55	51	53	57	54	52	56	54	52	50	53	2.10
4	CCOCr	mg/l	33.97	35.10	34.26	33.73	34.27	35.35	33.75	34.66	35.11	34.63	33.78	32.83	0.726
5	Reziduu filtrabil	mg/l	468	472	461	454	462	455	495	513	522	548	526	520	32.99
6	Cloruri	mg/l	55.07	56.52	53.25	50.73	51.51	50.47	52.18	53.47	52.07	53.58	52.84	53.38	1.72
7	Sulfati	mg/l	56.35	57.17	56.46	53.55	54.44	53.58	51.63	52.38	51.17	52.80	51.56	50.83	2.19
8	Azotati	mg/l	4.25	4.31	4.63	4.29	4.38	4.20	4.76	5.08	4.92	5.07	5.22	5.66	0.467
9	Amoniu	mg/l	0.156	0.161	0.156	0.150	0.157	0.151	0.140	0.152	0.159	0.177	0.170	0.161	0.010
10	Fier total	mg/l	0.373	0.358	0.347	0.307	0.328	0.311	0.380	0.405	0.414	0.376	0.368	0.344	0.034
11	Calciu	mg/l	42.33	43.09	43.99	41.89	42.78	42.02	39.33	40.25	41.40	40.56	41.10	42.22	1.30
12	Magneziu	mg/l	38.75	39.10	38.67	36.83	37.82	36.47	33.83	34.11	33.23	28.79	27.62	26.92	4.43
13	Compusi fenolici	mg/l	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000
14	Glanuri	mg/l	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000
15	Crom total	mg/l	0.024*	0.024*	0.024*	0.024*	0.024*	0.024*	0.024*	0.024*	0.024*	0.024*	0.024*	0.024*	0.000
16	Mangan	mg/l	0.017	0.016	0.014	0.017	0.018	0.017	0.019	0.021	0.020	0.018	0.018	0.019	0.002
17	Nichel	mg/l	0.015*	0.015*	0.015*	0.015*	0.015*	0.015*	0.015*	0.015*	0.015*	0.015*	0.015*	0.015*	0.000
18	Zinc	mg/l	0.015	0.016	0.015	0.016	0.017	0.018	0.016	0.017	0.019	0.017	0.018	0.020	0.002
19	Plumb	mg/l	0.058*	0.058*	0.058*	0.058*	0.058*	0.058*	0.058*	0.058*	0.058*	0.058*	0.058*	0.058*	0.000

Nota: Monitorizarea indicatorilor de calitate apa cf. obligatiilor Autorizatiei Integrate de Mediu.

* limita de cuantificare

 Sef Serviciu Reglementare si Monitorizare,
fiz. Nastase Cristina

 Intocmit,
Ciobotaru Daniela





Monitorizare lunara Sireta aval

			Perioada de monitorizare												Incertitudine (±)mg/l
			ianuarie	februarie	martie	aprilie	mai	iunie	iulie	august	septembrie	octombrie	noiembrie	decembrie	
1	pH	unit pH	8.33	8.29	8.22	8.27	8.31	8.29	8.30	8.37	8.42	8.34	7.58	7.62	-
2	Duritate	dt°	238.09	235.13	231.31	233.70	238.07	235.52	219.01	221.24	222.33	230.13	218.2	217.62	8.09
3	Suspensii	mg/l	50	51	53	52	54	52	50	53	52	51	46	48	2.19
4	CCOCr	mg/l	32.11	33.13	34.69	32.92	32.25	33.52	32.78	33.15	32.54	33.45	31.10	31.60	0.949
5	Reziduu filtrabil	mg/l	462	459	463	452	458	450	489	495	506	542	508	516	30.13
6	Cloruri	mg/l	54.59	55.20	54.85	49.85	50.32	49.30	51.71	52.38	51.18	52.36	50.81	51.26	1.97
7	Sulfati	mg/l	54.35	55.07	54.56	52.66	53.11	51.73	51.14	51.72	50.15	51.01	49.8	48.8	1.99
8	Azotati	mg/l	4.06	3.99	3.42	4.17	4.22	4.05	4.65	4.85	4.61	4.94	4.91	4.91	0.475
9	Amoniu	mg/l	0.150	0.148	0.140	0.144	0.152	0.146	0.137	0.143	0.15	0.165	0.161	0.157	0.008
10	Fier total	mg/l	0.352	0.332	0.342	0.300	0.318	0.307	0.372	0.396	0.403	0.361	0.338	0.333	0.032
11	Calciu	mg/l	41.89	40.40	41.94	40.89	41.37	41.05	39.03	37.41	38.19	39.61	38.85	39.13	1.49
12	Magneziu	mg/l	38.06	37.53	36.96	35.83	36.45	35.18	33.13	32.14	31.88	27.33	25.79	25.04	4.63
13	Compusi fenolici	mg/l	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000
14	Cianuri	mg/l	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.000
15	Grom total	mg/l	0.024*	0.024*	0.024*	0.024*	0.024*	0.024*	0.024*	0.024*	0.024*	0.024*	0.024*	0.024*	0.000
16	Mangan	mg/l	0.016	0.015	0.016	0.016	0.017	0.016	0.017	0.018	0.017	0.016	0.015	0.016	0.001
17	Nichel	mg/l	0.015*	0.015*	0.015*	0.015*	0.015*	0.015*	0.015*	0.015*	0.015*	0.015*	0.015*	0.015*	0.000
18	Zinc	mg/l	0.015	0.014	0.015	0.015	0.016	0.017	0.016	0.016	0.017	0.016	0.017	0.018	0.001
19	Plumb	mg/l	0.058*	0.058*	0.058*	0.058*	0.058*	0.058*	0.058*	0.058*	0.058*	0.058*	0.058*	0.058*	0.000

* limita de cuantificare

Nota: Monitorizarea indicatorilor de calitate apa cf. obligatiilor Autoritatii Integrate de Mediu.

Intocmit,
Ciobotaru Daniela

Sef Serviciu Reglementare si Monitorizare
fiz. Nastase Cristina



Monitorizare lunara Balta Malina

Nr. crt.	Indicatori de calitate	U.M.	Metoda de analiza folosita	Perioada de monitorizare						Incertitudine (\pm) mg/l
				ianuarie	februarie	martie	aprilie	mai	iunie	
1	pH	unit pH	STAS 7184/13-88	7.56	7.64	7.57	7.55	8.02	7.69	-
2	Duritate	dt ^o	Metoda LCK 327 (HACH)	146.85	145.62	146.20	141.84	141.36	142.39	2.44
3	Suspensii	mg/l	Metoda 8006 (HACH)	32	32	30	33	31	33	1.05
4	CCOCr	mg/l	Metoda LCK 314 (HACH)	30.50	32.50	31.24	29.13	30.50	29.33	1.25
5	Reziduu filtrabil	mg/l	STAS 9187 - 84	566	567	560	524	538	529	19.20
6	Cloruri	mg/l	Metoda LCK 311 (HACH)	137.16	134.35	134.83	131.39	130.92	131.82	2.44
7	Sulfati	mg/l	Metoda LCK 353 (HACH)	79.36	77.04	77.98	71.59	73.41	73.02	3.14
8	Azotati	mg/l	Metoda LCK 339 (HACH)	7.06	6.59	6.98	5.98	5.69	5.80	0.605
9	Amoniu	mg/l	Metoda LCK 304 (HACH)	1.25	1.24	1.21	1.08	1.16	1.09	0.072
10	Fier total	mg/l	SR ISO 6332 - 96	0.588	0.576	0.583	0.605	0.574	0.576	0.012
11	Calciu	mg/l	Metoda LCK 327 (HACH)	51.86	52.17	51.94	51.62	51.89	52.14	0.202
12	Magneziu	mg/l	Metoda LCK 327 (HACH)	22.75	23.24	22.88	20.62	21.86	21.24	1.03
13	Compusi fenolici	mg/l	Metoda LCK 345 (HACH)	0.005	0.004	0.005	0.003	0.004	0.003	0.001
14	Gianuri	mg/l	Metoda LCK 315 (HACH)	0.001	0.001	0.001	0.001	0.001	0.001	0.000
15	Crom total	mg/l	Metoda LCK 313 (HACH)	0.024*	0.024*	0.024*	0.024*	0.024*	0.024*	0.000
16	Mangan	mg/l	Metoda 8149 (HACH)	0.037	0.034	0.036	0.035	0.034	0.033	0.002
17	Nichel	mg/l	Metoda LCK 537 (HACH)	0.015*	0.015*	0.015*	0.015*	0.015*	0.015*	0.000
18	Zinc	mg/l	Metoda LCK 360 (HACH)	0.017	0.018	0.017	0.016	0.017	0.015	0.001
19	Plumb	mg/l	Metoda LCK 306 (HACH)	0.058*	0.058*	0.058*	0.058*	0.058*	0.058*	0.000

Nota: Monitorizarea indicatorilor de calitate apa conform Autorizatiei Integrate de Mediu nr.1 din 24.08.2015 rev.24.05.2023
* limita de cuantificare

Intocmit,
Ciobotaru Daniela

Sef Serviciu Reglementare si Monitorizare,
fiz. Nastase Cristina



Monitorizare lunara Balta Malina Sud

Nr. crt.	Indicatori de calitate	U.M.	Metoda de analiza folosita	Perioada de monitorizare						Incertitudine (\pm) mg/l
				iulie	august	septembrie	octombrie	noiembrie	decembrie	
1	pH	unit pH	STAS 7184/13-88	7.50	7.66	7.53	7.67	7.52	7.62	-
2	Duritate	dt°	Metoda LCK 327 (HACH)	136.12	139.70	136.58	135.50	129.00	131.83	3.79
3	Suspensii	mg/l	Metoda 8006 (HACH)	35	36	35	37	36	35	0.758
4	CCOCr	mg/l	Metoda LCK 314 (HACH)	33.23	34.21	33.25	32.40	32.32	34.26	0.840
5	Reziduu filtrabil	mg/l	STAS 9187 - 84	552	566	550	547	549	546	7.36
6	Cloruri	mg/l	Metoda LCK 311 (HACH)	132.04	133.63	130.95	130.00	120.03	125.27	5.08
7	Sulfati	mg/l	Metoda LCK 353 (HACH)	72.53	73.20	72.12	69.39	66.90	67.27	2.77
8	Azotati	mg/l	Metoda LCK 339 (HACH)	6.16	6.38	6.00	5.77	5.28	5.45	0.421
9	Amoniu	mg/l	Metoda LCK 304 (HACH)	1.44	1.52	1.37	1.27	1.28	1.29	0.100
10	Fier total	mg/l	SR ISO 6332 - 96	0.583	0.609	0.585	0.550	0.524	0.530	0.034
11	Calciu	mg/l	Metoda LCK 327 (HACH)	47.23	48.41	47.72	45.56	44.69	42.25	2.29
12	Magneziu	mg/l	Metoda LCK 327 (HACH)	21.03	22.12	21.84	20.02	20.59	20.46	0.824
13	Compusi fenolici	mg/l	Metoda LCK 345 (HACH)	0.003	0.002	0.003	0.002	0.001	0.002	0.001
14	Gianuri	mg/l	Metoda LCK 315 (HACH)	0.001	0.001	0.001	0.001	0.001	0.001	0.000
15	Crom total	mg/l	Metoda LCK 313(HACH)	0.024*	0.024*	0.024*	0.024*	0.024*	0.024*	0.000
16	Mangan	mg/l	Metoda 8149 (HACH)	0.032	0.034	0.033	0.032	0.030	0.030	0.002
17	Nichel	mg/l	Metoda LCK 537(HACH)	0.015*	0.015*	0.015*	0.015*	0.015*	0.015*	0.000
18	Zinc	mg/l	Metoda LCK 360(HACH)	0.018	0.019	0.017	0.017	0.017	0.016	0.001
19	Plumb	mg/l	Metoda LCK 306(HACH)	0.058*	0.058*	0.058*	0.058*	0.058*	0.058*	0.000

Nota: Monitorizarea indicatorilor de calitate apa conform Autoritatii Integrate de Mediu nr.1 din 24.08.2015 rev.24.05.2023, respectiv Acord de mediu nr.04 din 16.09.2021, rev. 15.12.2023

* limita de cuantificare

Intocmit,
Ciobotaru Daniela

Sef Serviciu Reglementare si Monitorizare,
fiz. Nastase Cristina

Centralizator Ape subterane 2023 - Halda de zgura

Loc de prelevare/zona	Indicatori de calitate/U.M. calitate	Valoare inregistrata la momentul autorizarii	Trim. I	Incertitudine (±) mg/l	Trim. II	Incertitudine (±)mg/l	Trim. III	Incertitudine (±) mg/l	Trim. IV	Incertitudine (±)mg/l
F61	pH, unitati pH	7.9	7.68	-	7.60	-	7.48	-	7.49	-
	SS, mg/l	47	43	0.000	44	0.577	45	0.000	44	1.53
	Reziduu filtrabil, mg/l	582	494	4.16	499	1.53	507	1.53	512	1.00
	CCO Cr, mg/l	31.84	31.84	0.000	29.83	0.042	30.25	0.000	29.46	0.604
	CCO Mn, mg/l	46	36.18	0.060	37.20	0.020	38.29	0.143	38.29	0.143
	Cloruri, mg/l	156	130.29	0.371	130.24	0.015	133.20	2.60	137.59	0.609
	Sulfati, mg/l	170	148.79	0.375	149.50	0.896	153.02	3.56	156.41	3.13
	Azotati, mg/l	14.7	12.04	0.010	11.68	0.100	12.03	0.026	11.77	0.098
	Amoniu, mg/l	0.40	0.299	0.004	0.330	0.000	0.356	0.004	0.339	0.001
	Fier total, mg/l	2.6	1.68	0.010	1.71	0.012	1.86	0.032	1.85	0.042
	Calciu, mg/l	87	71.63	0.071	72.61	0.062	74.19	0.055	75.30	0.010
	Magneziu, mg/l	17	15.03	0.006	16.26	0.000	15.70	0.219	16.02	0.026
	Compusi fenolici, mg/l	0.009	0.006	0.000	0.005	0.000	0.005	0.000	0.006	0.001
	Cianuri, mg/l	0.002	0.001	0.000	0.001	0.000	0.001	0.000	0.001	0.000
	Crom total, mg/l	0.05	0.024*	0.000	0.024*	0.000	0.024*	0.000	0.024*	0.000
	Mangan, mg/l	0.044	0.040	0.000	0.038	0.001	0.039	0.000	0.038	0.002
	Nichel, mg/l	0.027	0.024	0.000	0.023	0.003	0.025	0.001	0.023	0.001
	Zinc, mg/l	0.052	0.046	0.000	0.043	0.002	0.048	0.001	0.049	0.002
	Plumb, mg/l	0.058	0.058*	0.000	0.058*	0.000	0.058*	0.000	0.058*	0.000
Cupru, mg/l	0.03	0.001*	0.000	0.001*	0.000	0.001*	0.000	0.001*	0.000	
F62	pH, unitati pH	7.42	7.28	-	7.16	-	7.10	-	7.13	-
	SS, mg/l	22	20	0.000	18	0.000	17	0.577	18	0.577
	Reziduu filtrabil, mg/l	227	183	1.00	173	2.00	183	2.52	187	1.53
	CCO Cr, mg/l	33.22	33.22	0.000	31.17	0.021	30.40	0.172	31.04	0.053
	CCO Mn, mg/l	59	38.60	0.129	39.63	0.050	41.21	0.084	42.09	0.026
	Cloruri, mg/l	36.58	30.75	0.059	31.16	0.047	32.40	0.212	33.12	0.023
	Sulfati, mg/l	55	42.81	0.107	41.68	0.020	42.08	0.031	43.24	0.017
	Azotati, mg/l	0.92	0.753	0.002	0.762	0.001	0.779	0.011	0.798	0.002
	Amoniu, mg/l	0.15	0.117	0.001	0.120	0.000	0.131	0.001	0.132	0.001
	Fier total, mg/l	0.765	0.563	0.002	0.574	0.003	0.592	0.012	0.608	0.005
	Calciu, mg/l	47.12	42.13	0.059	43.15	0.040	44.15	0.117	45.06	0.035
	Magneziu, mg/l	14.3	12.92	0.064	13.02	0.000	13.25	0.000	12.68	0.100
	Compusi fenolici, mg/l	0.002	0.001	0.000	0.001	0.000	0.001	0.000	0.001	0.000
	Cianuri, mg/l	0.002	0.001	0.000	0.001	0.000	0.001	0.000	0.001	0.000
	Crom total, mg/l	0.033	0.024*	0.000	0.024*	0.000	0.024*	0.000	0.024*	0.000
	Mangan, mg/l	0.22	0.161	0.001	0.165	0.001	0.171	0.001	0.167	0.002
	Nichel, mg/l	0.025	0.021	0.000	0.022	0.000	0.023	0.001	0.022	0.001
	Zinc, mg/l	0.013	0.011	0.000	0.010	0.000	0.011	0.001	0.010	0.001
	Plumb, mg/l	0.058	0.058*	0.000	0.058*	0.000	0.058*	0.000	0.058*	0.000
Cupru, mg/l	0.0024	0.001*	0.000	0.001*	0.000	0.001*	0.000	0.001*	0.000	

Note:

* limita de cuantificare

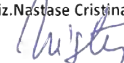
Analizand rezultatele determinarilor, nu se inregistreaza depasiri fata de valorile inregistrate la momentul autorizarii.

Valoarea masurata pentru CCO-Cr in trimestrul I, reprezinta valoarea de referinta - indicator nou mentionat in AGA nr. 06/28.02.2023.

 Intocmit,
 Ciobotaru Daniela
 Sava Simona
 Chifor Tincuta



 Sef serv.Reglementare si Monitorizare,
 fiz.Nastase Cristina



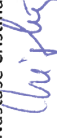
Nr. crt.	Locul recoltării/perioada	Indicatori										
		pH	Cu	Pb	Zn	Cd	Ni	Mn	Cr	SO ₄ ²⁻	Valoare medie	
		unitati pH	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
1	Zona est perimetru Halda de zgura- 0-5 cm suprafata	7.64	34.21	36.65	75.40	0.752	21.75	586.21	17.77	831.68		
	Zona est perimetru Halda de zgura-30-40 cm adancime	7.62	32.71	38.78	70.69	0.801	20.65	546.79	18.74	704.12		
2	Zona vest perimetru Halda de zgura-0-5 cm suprafata	7.62	28.91	40.47	67.34	0.766	22.72	595.40	19.38	734.67		
	Zona vest perimetru Halda de zgura, 30-40 cm adancime	7.67	30.01	43.18	68.15	0.650	23.83	564.18	17.88	433.75		
3	Zona nord perimetru Halda de zgura-0-5 cm suprafata	7.62	25.42	39.17	66.76	0.840	23.92	564.20	18.17	426.14		
	Zona nord perimetru Halda de zgura, 30-40 cm adancime	7.62	28.64	37.17	71.47	0.635	25.57	582.15	18.25	490.83		
4	Zona sud perimetru Halda de zgura-0-5 cm suprafata	7.92	30.49	39.46	74.44	0.743	21.94	621.68	17.70	656.72		
	Zona sud perimetru Halda de zgura, 30-40 cm adancime	7.92	29.06	42.74	77.67	0.717	20.27	661.66	18.62	910.81		
5	Zona est exterior Halda de zgura-0-5 cm suprafata	7.79	30.26	35.72	63.29	0.846	25.29	566.93	15.01	625.33		
	Zona est exterior Halda de zgura, 30-40 cm adancime	8.05	27.18	42.75	68.04	0.779	27.27	469.80	17.34	592.71		
6	Zona vest exterior Halda de zgura-0-5 cm suprafata	8.02	25.41	37.79	63.99	0.760	24.31	453.19	16.86	688.11		
	Zona vest exterior Halda de zgura, 30-40 cm adancime	7.66	23.07	38.54	65.15	0.697	26.54	437.77	18.38	591.83		
7	Zona nord exterior Halda de zgura-0-5 cm suprafata	7.75	29.43	35.64	67.22	0.801	26.26	562.88	18.46	525.23		
	Zona nord exterior Halda de zgura, 30-40 cm adancime	7.70	26.48	38.22	67.21	0.852	25.62	503.31	18.77	548.37		
8	Zona sud exterior Halda de zgura- 0-5 cm suprafata	7.90	28.14	37.76	65.18	0.861	27.17	515.57	18.65	544.17		
	Zona sud exterior Halda de zgura, 30-40 cm adancime	8.02	27.05	42.74	70.20	0.816	28.37	486.27	17.74	618.61		
	Incertitudine %	-	2.80	2.53	4.15	0.069	2.46	62.34	1.01	133.16		
	VLE conform Autorizatiei Integrate de Mediu nr. 1 / 24.08.2015, rev. 24.05.2023	7.5-8.5	<250	<250	<700	5	<200	<2000	<300	<5000		

Observatii:

1. Frecventa de monitorizare pentru factorul de mediu sol: semestriala. Datele reprezinta monitorizarea realizata de Laboratorul de Mediu in cursul anului 2023 (media determinarilor semestriale).
2. Analizand valorile rezultatelor obtinute, nu se inregistreaza depasiri ale valorilor limita prevazute in Autorizatia Integrata de Mediu nr. 1 / 24.08.2015, rev. 24.05.2023, respectiv Ordin 756/97 pentru aprobarea Reglementării privind evaluarea poluării mediului.

Intocmit,
Chifor Tincuta

Sef Serv. Reglementare si Monitorizare
Nasfăse Cristina

Centralizator aer : determinari pulberi in suspensie (PM10), CO, SOx, NOx in zona Halda de zgura

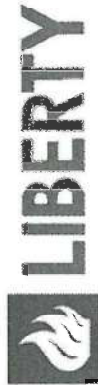
Nr.crt.	Locul prelevării	Perioada	Valoare medie						
			Valoare medie orara						
			SO ₂ (µg/m ³)	NO (µg/m ³)	NOx (µg/m ³)	NO ₂ (µg/m ³)	CO (mg/m ³)	PM 10 (µg/m ³)	Valoare medie zilnica
1	Zona est limitrof Halda de zgura	Iunie - Decembrie 2023	12.54	12.13	12.54	11.78	-	42	
2	Zona nord limitrof Halda de zgura		12.44	11.97	12.03	11.50	-	40	
3	Zona sud limitrof Halda de zgura		11.96	12.29	12.17	11.43	-	40	
4	Zona vest limitrof Halda de zgura		12.88	12.03	12.55	11.62	-	41	
5	Zona Movileni – zona nord		12.38	12.05	11.82	11.81	-	31	
6	Zona Movileni – zona sud		12.10	12.25	11.84	11.33	-	32	
Incertitudine ± (µg/m³)			0.328	0.129	0.325	0.193	-	±10 (%)	
Valoare limita de emisie la 1 ora			350	-	-	200	-	-	
Valoare limita de emisie la 8 ore			-	-	-	-	10	-	
Valoare limita de emisie la 24 ore			-	-	-	-	-	50	

Nota : Monitorizare conform Acord de mediu nr. 04 din 16.09.2021 , revizuit in 15.12.2023 emis pentru proiectul "Inchidere depozit de deşuri nepericuloase Halda de zgura din cadrul LIBERTY GALATI SA"

Intocmit,
Chifor Tincuta

Sef Serv. Reglementare si Monitorizare,
Nastase Cristina



Centralizator date meteo: Ianuarie – Decembrie 2023
Zona - Halda de zgura

Nr. Crt	Factori meteo												
	Parametru	Ianuarie	Februarie	Martie	Aprilie	Mai	Iunie	Iulie	August	Septembrie	Octombrie	Noiembrie	Decembrie
1	Cantitatea de precipitatii	0.59 mm	0.03 mm	0.05 mm	0.30 mm	0.66 mm	0.47 mm	0.56 mm	0.60 mm	0.14 mm	0.02 mm	0.53 mm	0.05 mm
2	Temperatura (Min., Max., la ora 15)	Min: -3°C	Min: -8°C	Min: 0°C	Min: 1°C	Min: 8°C	Min: 10°C	Min: 15°C	Min: 16°C	Min: 21°C	Min: 13°C	Min: 2°C	Min: -3°C
		Max: 12°C	Max: 8°C	Max: 12°C	Max: 13°C	Max: 20°C	Max: 33°C	Max: 36°C	Max: 35°C	Max: 30°C	Max: 31°C	Max: 20°C	Max: 13°C
3	Umiditatea aerului (ora 15)	96.20 %	99 %	99 %	99 %	99 %	74 %	48 %	45 %	64 %	65 %	89 %	92 %
4	Presiune atmosferica	997 mb	1015 mb	1006 mb	1005 mb	1010 mb	1009 mb	1005 mb	1007 mb	1012 mb	1009 mb	1002 mb	1010 mb
5	Directie vant	SE	SSV	SSE	SSV	SSE	SSV	SSV	SSE	SSE	SSE	SSE	SSE
6	Viteza vant	6.08 Km/h	6.08 Km/h	5.72 Km/h	7.12 Km/h	3.24 Km/h	3.53 Km/h	3.92 Km/h	1.8 Km/h	3.27 Km/h	4.32 Km/h	5.90 Km/h	5.08 Km/h

Intocmit,
Chifor Tincuta

Monitorizare nivel de zgomot 2023

- **Puncte de prelevare:** 2 puncte, la limita amplasamentului comunei Movileni;
4 puncte la limita amplasamentului Haldei de zgura.
- **Echipping de masura:** sonometrul CEM – DT8852 seria 201107776.
- **Rezultatele masuratorilor** de zgomot sunt centralizate in tabel nr. 1.

Tabel nr. 1

Nr. crt.	Loc de prelevare	VLE	Nivel zgomot dB(A) Valoare maxima masurata											
			Februarie	Iunie	Iulie	August	Septembrie	Octombrie	Noiembrie	Decembrie				
1	Zona Movileni– zona sud	65 dB(A)	49.5	47.8	42.7	40.5	45.3	35.1	38.6	34.5				
2	Zona Movileni– zona nord		43.7	37.4	38.6	39.1	40.2	40.6	39.8	40.3				
3	Zona est limitrof Halda de zgura		-	40.1	41	39.8	57.3	58.2	55.1	57.4				
4	Zona vest limitrof Halda de zgura		-	38.6	40.6	39.5	50.4	59.3	59.5	62.9				
5	Zona nord limitrof Halda de zgura		-	40.5	41.2	40.2	49.8	56.6	57.2	55.3				
6	Zona sud limitrof Halda de zgura		-	39.7	39.5	38.9	51.3	61.1	60.4	59.3				

Note:

1. Monitorizare conform Acord de mediu nr. 04 din 16.09.2021, revizuit in 15.12.2023 pentru proiectul "Inchidere depozit de deseuri nepericuloase Halda de zgura din cadrul Liberty Galati S.A."
2. Valorile inregistrate se incadreaza in valoarea limita de emisie precizate in STAS nr. 10009-2017: „Acustica urbana-limite admisibile ale nivelului de zgomot”.
3. Pentru verificarea conformitatii datelor se realizeaza anual determinari cu laborator tert.

Intocmit,

Chifor Tincuta



Sef Serv. Reglementare si Monitorizare,

Nastase Cristina



**Monitorizarea factorilor de mediu
pentru depozitul de deseuri
industriale periculoase**

“Hidrohalda”

2023



Monitorizare lunara Iaz Catusa

Nr. crt.	Indicatori de calitate	U.M.	Metoda de analiza folosita	Perioada de monitorizare												Incertitudine (±)mg/l	
				VLE AGA	ianuarie	februarie	martie	aprilie	mai	iunie	iulie	august	septembrie	octombrie	noiembrie		decembrie
1	pH		STAS 7184/13-88	6.5-8.5	8.06	7.99	7.95	8.07	7.96	8.11	8.13	8.12	7.93	7.85	7.54	7.65	-
2	Alcalinitate "m"	mval/l	SR EN ISO 9963-1	-	81.32	81.61	81.71	81.08	81.47	81.81	89.13	83.32	84.92	85.07	74.88	74.92	3.96
3	Alcalinitate "p"	mval/l	SR EN ISO 9963-1	-	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	CCO-Cr	mg/l	Metoda LCK 314 (HACH)	125	64.14	66.68	65.50	66.19	65.35	64.50	65.69	62.74	60.37	55.75	55.94	55.39	4.35
5	Reziduu filtrabil	mg/l	STAS 9187-84	1500	445	450	442	411	437	472	457	468	449	408	407	433	22.00
6	Bicarbonati	mg/l	SR ISO -9963-1	-	81.32	81.61	81.71	81.08	81.47	81.81	89.13	83.32	84.92	85.07	74.88	74.92	3.96
7	Carbonati	mg/l	Metoda LCK 388 (HACH)	-	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	Sulfati	mg/l	Metoda LCK 353 (HACH)	300	59.46	56.67	55.93	55.78	53.01	54.38	54.16	52.78	54.17	53.84	46.53	50.78	3.20
9	Fier total	mg/l	SR ISO 6332-96	-	0.665	0.619	0.634	0.580	0.618	0.599	0.632	0.606	0.606	0.576	0.577	0.584	0.026
10	Calciu	mg/l	Metoda LCK 327 (HACH)	-	46.18	42.86	42.40	41.19	40.87	40.79	44.48	43.32	44.11	42.89	37.52	37.82	2.57
11	Magneziu	mg/l	Metoda LCK 313 (HACH)	-	20.31	20.55	20.76	22.57	22.94	22.23	22.04	22.41	21.74	21.11	20.13	19.98	1.05
12	Crom total	mg/l	Metoda LCK 313 (HACH)	1	0.024*	0.024*	0.024*	0.024*	0.024*	0.024*	0.024*	0.024*	0.024*	0.024*	0.024*	0.024*	0.000
13	Mangan	mg/l	Metoda LCK 537 (HACH)	-	0.090	0.089	0.090	0.083	0.076	0.081	0.087	0.088	0.089	0.089	0.087	0.086	0.004
14	Nichel	mg/l	Metoda LCK 537 (HACH)	-	0.015*	0.015*	0.015*	0.015*	0.015*	0.015*	0.015*	0.015*	0.015*	0.015*	0.015*	0.015*	0.000
15	Zinc	mg/l	Metoda LCK 360 (HACH)	0.5	0.005*	0.005*	0.005*	0.005*	0.005*	0.005*	0.005*	0.005*	0.005*	0.005*	0.005*	0.005*	0.000
16	Plumb	mg/l	Metoda LCK 306 (HACH)	-	0.058*	0.058*	0.058*	0.058*	0.058*	0.058*	0.058*	0.058*	0.058*	0.058*	0.058*	0.058*	0.000
17	Cadmiu	mg/l	Metoda LCK 308 (HACH)	-	0.016*	0.016*	0.016*	0.016*	0.016*	0.016*	0.016*	0.016*	0.016*	0.016*	0.016*	0.016*	0.000
18	Cupru	mg/l	Metoda LCK 529 (HACH)	0.1	0.001*	0.001*	0.001*	0.001*	0.001*	0.001*	0.001*	0.001*	0.001*	0.001*	0.001*	0.001*	0.000
19	Sodiu	mg/l	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	Potasiu	mg/l	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Nota-pe probele analizate nu s-au identificat indicatorii K,Na.

Analizand rezultatele determinarilor efectuate, nu se inregistreaza depasiri ale concentratiilor indicatorilor analizati fata de VLE stabilite de Autorizatia de Gospodarie a Apelor.

* limita de cuantificare

Intocmit,
Ciobotaru Daniela

Sef Serv. Reglementare si Monitorizare,
fiz. Nastase Cristina



Monitorizare lunara Balta Catusa

Nr. crt.	Indicatori de calitate	U.M.	Metoda de analiza folosita	Perioada de monitorizare												Incertitudine (±)mg/l
				ianuarie	februarie	martie	aprilie	mai	iunie	iulie	august	septembrie	octombrie	noiembrie	decembrie	
1	pH		STAS 7184/13-89	8.38	8.42	8.21	8.30	8.29	8.22	8.41	8.38	8.18	8.31	8.05	7.88	-
2	Alcalinitate "m"	mval/l	SR EN ISO 9963-1	131.67	129.15	127.38	125.94	121.97	122.26	119.97	117.97	119.28	121.67	106.69	108.26	7.56
3	Alcalinitate "p"	mval/l	SR EN ISO 9963-1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	CCO-Cr	mg/l	Metoda LCK 314 (HACH)	29.33	29.18	28.72	27.60	25.60	24.80	22.77	23.15	24.51	25.83	24.94	24.71	2.26
5	Reziduu filtrabil	mg/l	STAS 9187-84	309	297	285	296	256	251	236	241	257	235	219	224	30.66
6	Bicarbonati	mg/l	SR ISO -9963-1	131.67	129.15	127.38	125.94	121.97	122.26	119.97	117.97	119.54	121.67	106.69	108.26	7.55
7	Carbonati	mg/l	Metoda LCK 388 (HACH)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	Sulfati	mg/l	Metoda LCK 353(HACH)	66.85	65.57	63.55	61.92	59.72	58.35	56.78	57.35	55.33	52.74	50.95	48.98	5.66
9	Fier total	mg/l	SR ISO 6332-96	0.131	0.128	0.123	0.132	0.132	0.129	0.120	0.122	0.127	0.118	0.110	0.113	0.007
10	Calciu	mg/l	Metoda LCK 327(HACH)	40.19	39.66	38.40	40.41	41.02	42.25	40.22	41.04	42.98	40.23	41.01	40.38	1.17
11	Magneziu	mg/l	Metoda LCK 327(HACH)	18.91	19.16	18.72	19.15	19.98	20.72	19.03	19.57	18.71	17.23	17.83	19.87	0.938
12	Crom total	mg/l	Metoda LCK 313 (HACH)	0.024*	0.024*	0.024*	0.024*	0.024*	0.024*	0.024*	0.024*	0.024*	0.024*	0.024*	0.024*	0.000
13	Mangan	mg/l	Metoda 8149 (HACH)	0.019	0.018	0.016	0.016	0.015	0.014	0.016	0.015	0.017	0.015	0.014	0.013	0.002
14	Nichel	mg/l	Metoda LCK 537 (HACH)	0.015*	0.015*	0.015*	0.015*	0.015*	0.015*	0.015*	0.015*	0.015*	0.015*	0.015*	0.015*	0.000
15	Zinc	mg/l	Metoda LCK 360 (HACH)	0.005*	0.005*	0.005*	0.005*	0.005*	0.005*	0.005*	0.005*	0.005*	0.005*	0.005*	0.005*	0.000
16	Plumb	mg/l	Metoda LCK 306 (HACH)	0.058*	0.058*	0.058*	0.058*	0.058*	0.058*	0.058*	0.058*	0.058*	0.058*	0.058*	0.058*	0.000
17	Cadmium	mg/l	Metoda LCK 308 (HACH)	0.016*	0.016*	0.016*	0.016*	0.016*	0.016*	0.016*	0.016*	0.016*	0.016*	0.016*	0.016*	0.000
18	Cupru	mg/l	Metoda LCK 529 (HACH)	0.001*	0.001*	0.001*	0.001*	0.001*	0.001*	0.001*	0.001*	0.001*	0.001*	0.001*	0.001*	0.000
19	Sodiu	mg/l	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	Potasiu	mg/l	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notate probele analizate nu s-au identificat indicatorii Na,K.

* limita de cuantificare

Sef Serv. Reglementare si Monitorizare,

fiz. Cristina Nastase

Intocmit,
Ciobotaru Daniela

Centralizator Ape subterane 2023 - Hidrohaldă

Loc de prelevare/zona	Indicatori de calitate/U.M.	Valoare inregistrata la momentul autorizarii	Trim. I	Incertitudine (±)mg/l	Trim. II	Incertitudine (±)mg/l	Trim. III	Incertitudine (±)mg/l	Trim. IV	Incertitudine (±)mg/l
			Valoare masurata							
Foraj 96 (zona Vest)	pH, unitati pH	8.2	7.06	-	7.61	-	7.77	-	7.51	-
	Suspensii, mg/l	70	32	0.577	59	1.15	62	1.00	58	1.00
	CCO-Cr, mg/l	55.3	36.15	0.031	44.90	0.100	45.22	0.066	47.07	0.021
	CCO-Mn, mg/l	42.5	35.08	0.020	39.87	0.153	40.12	0.000	40.38	0.539
	Reziduu fix, mg/l	573.5	503	7.21	528	2.00	553	1.53	549	1.00
	Duritate totala, mg/l	33.5	30.09	0.188	31.06	0.140	31.68	0.095	31.73	0.119
	Calciu, mg/l	63.3	56.03	0.035	60.10	0.131	61.07	0.021	62.09	0.040
	Magneziu, mg/l	35.5	25.15	0.032	29.87	0.114	31.21	0.206	32.05	0.055
	Amoniu, mg/l	1.45	1.17	0.035	1.33	0.023	1.37	0.020	1.39	0.006
	Cloruri, mg/l	80.2	63.46	0.563	69.75	0.260	72.27	0.168	73.14	0.026
	Sulfati, mg/l	185.0	149.84	0.515	160.89	0.280	168.20	1.067	170.44	0.173
	Azotati, mg/l	8.71	6.86	0.085	7.51	0.081	7.65	0.015	7.70	0.010
	Compusi fenolici, mg/l	0.005	0.003	0.000	0.003	0.001	0.004	0.000	0.003	0.001
	Cianuri, mg/l	0.003	0.002	0.000	0.002	0.000	0.002	0.000	0.001	0.001
	Cupru, mg/l	0.005	0.001*	0.000	0.003	0.001	0.004	0.000	0.003	0.001
	Cadmium, mg/l	0.1	0.016*	0.000	0.029	0.001	0.036	0.003	0.041	0.001
	Fier, mg/l	1.95	1.52	0.020	1.58	0.021	1.66	0.021	1.71	0.010
	Zinc, mg/l	0.04	0.023	0.001	0.030	0.001	0.033	0.002	0.033	0.002
	Nichel, mg/l	0.1	0.015*	0.000	0.024	0.001	0.025	0.000	0.028	0.002
	Mangan, mg/l	0.3	0.001	0.000	0.068	0.002	0.070	0.000	0.085	0.002
	Crom, mg/l	0.05	0.024*	0.000	0.031	0.001	0.033	0.002	0.038	0.002
	Plumb, mg/l	0.1	0.012	0.000	0.058*	0.000	0.058*	0.000	0.058*	0.000
	Carbonati, mg/l	2.9	0.000	0.000	1.61	0.012	1.70	0.000	1.63	0.020
	Bicarbonati, mg/l	21.5	18.71	0.156	18.80	0.200	19.28	0.291	18.23	0.021
Sodiu, mg/l	-	-	-	-	-	-	-	-	-	
Potasiu, mg/l	-	-	-	-	-	-	-	-	-	
Foraj 95 (zona Est)	pH, unitati pH	8.32	7.23	-	7.82	-	8.04	-	7.98	-
	Suspensii, mg/l	90	62	0.577	65	1.15	69	1.15	69	1.00
	CCO-Cr, mg/l	59.2	45.68	0.278	46.81	0.180	47.94	0.288	49.65	0.339
	CCO-Mn, mg/l	45.6	36.89	0.111	40.77	0.221	41.49	0.331	42.26	0.100
	Reziduu fix, mg/l	559.1	525	3.21	530	1.53	547	0.000	534	2.08
	Duritate totala, mg/l	30.4	27.72	0.047	28.19	0.142	27.58	0.105	28.56	0.066
	Calciu, mg/l	70.2	53.32	0.055	57.72	0.262	60.16	0.108	61.24	0.017
	Magneziu, mg/l	47.4	32.75	0.061	37.06	0.072	38.47	0.215	39.58	0.025
	Amoniu, mg/l	1.82	1.49	0.015	1.57	0.025	1.66	0.025	1.53	0.032
	Cloruri, mg/l	68.2	50.38	0.025	59.57	0.682	61.40	0.110	62.54	0.050
	Sulfati, mg/l	209.3	179.39	1.05	180.77	0.43	190.44	0.163	189.59	0.197
	Azotati, mg/l	8.3	7.38	0.025	7.83	0.075	7.16	0.509	7.01	0.010
	Compusi fenolici, mg/l	0.004	0.002	0.001	0.002	0.000	0.002	0.000	0.002	0.001
	Cianuri, mg/l	0.002	0.001	0.000	0.001	0.000	0.001	0.000	0.001	0.000
	Cupru, mg/l	0.005	0.001*	0.000	0.002	0.001	0.003	0.000	0.003	0.001
	Cadmium, mg/l	0.1	0.016*	0.000	0.016*	0.000	0.016*	0.000	0.016*	0.000
	Fier, mg/l	1.8	1.45	0.042	1.47	0.026	1.50	0.000	1.64	0.021
	Zinc, mg/l	0.082	0.045	0.002	0.059	0.002	0.065	0.005	0.061	0.002
	Nichel, mg/l	0.2	0.015*	0.000	0.015*	0.000	0.015*	0.000	0.015*	0.000
	Mangan, mg/l	0.2	0.001	0.000	0.061	0.002	0.072	0.003	0.080	0.002
	Crom, mg/l	0.05	0.024*	0.000	0.031	0.001	0.035	0.000	0.037	0.002
	Plumb, mg/l	0.1	0.016	0.000	0.058*	0.000	0.058*	0.000	0.058*	0.000
	Carbonati, mg/l	2.2	0.000	0.000	1.58	0.015	1.70	0.000	1.55	0.032
	Bicarbonati, mg/l	17.3	15.03	0.055	15.31	0.042	16.48	0.000	15.47	0.015
Sodiu, mg/l	-	-	-	-	-	-	-	-	-	
Potasiu, mg/l	-	-	-	-	-	-	-	-	-	

Foraj 94 (zona Nord-est)	pH, unitati pH	8.45	7.32	-	7.56	-	7.86	-	7.24	-
	Suspensii, mg/l	85	70	0.577	70	1.00	76	1.00	71	1.00
	CCO-Cr, mg/l	50.8	32.25	0.030	38.21	0.212	39.70	0.157	38.28	0.072
	CCO-Mn, mg/l	44.8	38.59	0.021	39.45	0.170	40.18	0.090	41.02	0.025
	Reziduu fix, mg/l	572.5	340	6.24	431	2.52	467	9.85	457	2.08
	Duritate totala, mg/l	37.8	35.50	0.297	34.79	0.193	34.92	0.692	33.70	0.249
	Calciu, mg/l	71.9	68.32	0.035	64.27	0.270	66.87	0.000	65.17	0.020
	Magneziu, mg/l	39.6	19.70	0.025	30.78	0.203	35.49	0.225	36.24	0.306
	Amoniu, mg/l	2.7	2.38	0.026	2.33	0.099	2.41	0.006	2.34	0.031
	Cloruri, mg/l	97.3	56.20	0.021	60.91	0.155	62.48	0.095	63.26	0.032
	Sulfati, mg/l	180.5	160.13	0.015	160.13	0.657	160.38	0.095	162.37	0.025
	Azotati, mg/l	7.85	5.93	0.074	6.99	0.090	7.15	0.036	7.13	0.021
	Compusi fenolici, mg/l	0.003	0.001	0.000	0.002	0.000	0.002	0.000	0.001	0.001
	Cianuri, mg/l	0.003	0.002	0.000	0.002	0.000	0.002	0.000	0.001	0.001
	Cupru, mg/l	0.005	0.001*	0.000	0.003	0.001	0.003	0.001	0.002	0.001
	Cadmiu, mg/l	0.1	0.016*	0.000	0.029	0.001	0.028	0.002	0.034	0.003
	Fier, mg/l	1.87	1.41	0.006	1.32	0.025	1.48	0.021	1.49	0.015
	Zinc, mg/l	0.095	0.050	0.000	0.068	0.002	0.073	0.004	0.073	0.002
	Nichel, mg/l	0.1	0.015*	0.000	0.034	0.001	0.035	0.000	0.043	0.003
	Mangan, mg/l	0.15	0.121	0.002	0.104	0.002	0.119	0.000	0.111	0.001
	Crom, mg/l	0.05	0.024*	0.000	0.031	0.001	0.041	0.001	0.037	0.002
	Plumb, mg/l	0.11	0.014	0.001	0.061	0.001	0.072	0.003	0.072	0.001
	Carbonati, mg/l	1.8	0.000	0.000	1.41	0.015	1.50	0.000	1.36	0.178
	Bicarbonati, mg/l	16.4	14.26	0.319	14.65	0.220	15.00	0.000	14.25	0.031
	Sodiu, mg/l	-	-	-	-	-	-	-	-	-
	Potasiu, mg/l	-	-	-	-	-	-	-	-	-
	Foraj 97(Martor)	pH, unitati pH	8.4	7.39	-	7.68	-	7.80	-	7.90
Suspensii, mg/l		91	81	0.577	61	1.15	64	1.00	63	2.52
CCO-Cr, mg/l		59.5	45.69	0.010	47.82	0.231	50.17	0.086	51.27	0.040
CCO-Mn, mg/l		46.8	39.64	0.055	40.98	0.053	40.98	0.053	40.98	0.053
Reziduu fix, mg/l		580.4	456	3.06	498	2.65	500	0.000	489	2.08
Duritate totala, mg/l		38.2	35.78	0.021	35.11	0.103	36.45	0.156	35.47	0.010
Calciu, mg/l		77.9	74.62	0.061	70.71	0.300	71.49	0.200	72.15	0.015
Magneziu, mg/l		48.20	25.67	0.025	32.01	0.190	42.59	0.200	43.08	0.025
Amoniu, mg/l		2.8	1.79	0.044	1.78	0.040	1.69	0.179	1.74	0.015
Cloruri, mg/l		96.2	76.48	0.100	81.91	0.090	83.44	0.161	82.16	0.015
Sulfati, mg/l		176.8	159.06	0.357	159.08	0.174	160.00	0.000	161.05	0.035
Azotati, mg/l		8.9	6.78	0.084	7.38	0.020	7.40	0.036	7.52	0.015
Compusi fenolici, mg/l		0.005	0.002	0.001	0.003	0.001	0.004	0.000	0.003	0.001
Cianuri, mg/l		0.003	0.001	0.001	0.002	0.000	0.003	0.000	0.001	0.001
Cupru, mg/l		0.005	0.001*	0.000	0.002	0.001	0.002	0.001	0.002	0.001
Cadmiu, mg/l		0.1	0.016*	0.000	0.023	0.001	0.024	0.002	0.032	0.002
Fier, mg/l		1.98	1.51	0.010	1.61	0.015	1.69	0.056	1.69	0.010
Zinc, mg/l		0.073	0.051	0.002	0.061	0.001	0.065	0.003	0.055	0.002
Nichel, mg/l		0.15	0.015*	0.000	0.015*	0.000	0.015*	0.000	0.015*	0.000
Mangan, mg/l		0.3	0.248	0.002	0.238	0.002	0.244	0.013	0.246	0.003
Crom, mg/l		0.05	0.024*	0.000	0.032	0.001	0.033	0.003	0.032	0.001
Plumb, mg/l		0.12	0.058*	0.000	0.058*	0.000	0.058*	0.000	0.058*	0.000
Carbonati, mg/l		3.5	0.000	0.000	1.78	0.015	1.80	0.000	1.93	0.021
Bicarbonati, mg/l		23.1	21.45	0.477	19.90	0.212	20.84	0.786	21.02	0.010
Sodiu, mg/l		-	-	-	-	-	-	-	-	-
Potasiu, mg/l		-	-	-	-	-	-	-	-	-

Note:

* limita de cuantificare

Analizand rezultatele determinarilor, nu se inregistreaza depasiri fata de valorile inregistrate la momentul autorizarii.

Intocmit,
Sava Simona
Clobotaru Daniela
Chifor Tincuta





Sef serv.Reglementare si Monitorizare,
fl. Nastase Cristina



Centralizator : sol Hidrohalda
 2023

Nr. crt.	Locul recoltării/perioada	Indicatori										
		pH (unitati pH)	Total hidrocarburi din petrol (mg/kg s.u.)	C.organic (% s.u)	N total (mg/g s.u)	Cu (mg/kg)	Zn (mg/kg)	Mn (mg/kg)	Pb (mg/kg)	Cd (mg/kg)	Ni (mg/kg)	Cr (mg/kg)
Valoare medie												
1	Sol zona foraj Est-0-5 cm suprafața	8.08	58.62	6.32	0.873	29.06	73.16	607.24	51.08	0.291	21.25	20.82
	Sol zona foraj Est- 30-40 cm adancime	8.15	51.73	14.89	0.917	27.72	76.90	616.08	52.28	0.339	21.65	21.74
2	Sol zona foraj Nord-Est-0-5cm suprafața	7.85	55.63	13.00	0.687	30.55	71.89	579.86	47.08	0.451	24.00	22.46
	Sol zona foraj Nord-Est-30-40 cm adancime	8.09	48.60	13.05	0.758	27.61	71.18	539.20	45.97	0.478	21.76	22.28
3	Sol zona foraj Vest-0-5cm suprafața	8.16	67.24	17.68	0.641	28.09	73.41	683.13	46.12	0.380	21.67	20.75
	Sol zona foraj Vest- 30-40 cm adancime	8.09	56.58	22.92	0.671	33.20	63.94	590.32	66.74	0.448	24.28	20.64
4	Sol zona Nord-Vest hidrohalda-0-5cm suprafața	8.04	63.83	12.81	0.855	30.30	70.45	665.43	48.31	0.508	23.38	21.18
	Sol zona Nord-Vest hidrohalda-30-40cm adancime	8.20	65.73	18.04	0.915	28.01	66.84	749.11	42.23	0.590	21.87	23.85
5	Sol zona laz Catusa-0-5cm suprafața	8.19	61.64	19.41	0.660	33.26	70.44	609.72	41.50	0.513	24.62	22.14
	Sol zona laz Catusa-30-40 cm adancime	8.26	63.36	18.04	0.735	34.59	73.34	691.09	47.62	0.589	22.78	23.08
	Incertitudine ± (mg/kg)		6.15	4.62	0.109	2.61	3.64	62.68	7.11	0.099	1.25	1.07
VLE pentru soluri cu folosinta mai puțin sensibile conform Ordin 756/97 pentru aprobarea Reglementării privind evaluarea poluării mediului		7.5-8.5	1000	-	-	<250	<700	<2000	<250	<5	<200	<300

Observatii:

1. Frecventa de monitorizare pentru factorul de mediu sol: semestriala. Datele reprezentata monitorizarea realizata de Laboratorul de Mediu in cursul anului 2023 (media determinarilor semestriale).
2. Analizand valorile rezultatelor obtinute, nu se inregistreaza depasiri ale valorilor limita prevazute in Autorizatia Integrata de Mediu nr. 1 / 24.08.2015, rev.24.05.2023, respectiv Ordin 756/97 pentru aprobarea Reglementării privind evaluarea poluării mediului.

 Intocmit,
 Chifor Tincuta



 Sef Serv. Reglementare si Monitorizare,
 Nastase Cristina



Monitorizare nivel de zgomot 2023

1. **Puncte de prelevare:** - 6 puncte, la limita amplasamentului conform obligatiei mentionate in Autorizatia Integrata de Mediu nr. 1/24.08.2015 rev. 24.05.2023 (vezi Tabel nr.1);
 - 4 puncte, la fatada cladirilor rezidentiale din vecinatate, care sunt cele mai expuse zgomotului conform obligatiei mentionate in Autorizatia Integrata de Mediu nr. 1/24.08.2015 rev. 24.05.2023 (vezi Tabel nr.2).
2. **Echipment de masura:** sonometrul CEM – DT8852 seria 201107776.
3. Rezultatele masuratorilor de zgomot sunt centralizate in tabelul nr. 1 si tabelul nr. 2.

Tabel nr. 1

Nr. crt.	Loc de prelevare	VLE	Nivel zgomot dB(A) Valoare maxima masurata				
			Februarie 2023	Iunie 2023	Septembrie 2023	Noiembrie 2023	Valoare RQC 2023
1	Poarta Vest	65 dB(A)	41.3	37.0	36.5	39.3	53.0
2	Poarta Nord		53.3	54.3	47.2	47.0	57.1
3	Poarta Est		55.2	57.1	46.8	46.1	54.2
4	Poarta Sud		56.5	55.8	44.3	46.7	57.6
5	Smardan		42.7	44.1	39.8	36.2	51.7
6	Sendreni		43.2	42.3	33.7	38.3	52.8

Tabel nr. 2

Nr. crt.	Loc de prelevare	VLE	Nivel zgomot dB(A) Valoare maxima masurata	
			Septembrie 2023	Valoare RQC 2023
1	Zona ANL – Cartier Dimitrie Cantemir	50 dB(A)	46.8	45.2
2	Zona ANL (centura) – Micro 17		47.2	45.2
3	Zona General (intre blocuri)		48.9	45.6
4	Zona ANL – Micro 13B		48.4	45.4

Note:

1. Valorile inregistrate anual se incadreaza in valoarea limita de emisie precizata in Autorizatia Integrata de Mediu nr.1/24.08.2015 rev. 24.05.2023.

2. Pentru verificarea conformitatii datelor se realizeaza anual determinari cu laborator tert.

Intocmit,
Chifor Tincuta

T. Chifor

Sef Serv. Reglementare si Monitorizare,
Nastase Cristina

Cristina

RAPORT DE INCERCARE NR.52
din 03.10.2023

Data executării măsurătorilor de zgomot: 27.09.2023

Numărul punctelor de măsura: 4

Echipament de măsura: Sonometrul CEM – DT8852 seria 201107776 , Certificat de etalonare nr. 01.03-018/2023 , data etalonării : 30.01.2023, valabilitate 3 ani.

Executant: Laborator Mediu

Rezultatele măsurătorilor sunt centralizate in tabelul următor:

Nr.crt.	Loc de masurare	Coordonate stereo	Concentrație maxima		Concentrație momentana dB (A)	Incertitudine de masurare ± (dB)
			Admis* dB(A)	Existent dB(A)		
1	Zona ANL – Cartier Dimitrie Cantemir	X : 735854,149 Y: 436429.389	50	46.8	44.7	0.5
					45.6	
					46.8	
2	Zona ANL (centura) – Micro 17	X: 735392,182 Y: 440168,226	50	47.2	46.7	
					45.1	
					47.2	
3	Zona General (intre blocuri)	X: 736039,409 Y: 442322,492	50	48.9	48.9	
					46.6	
					47.4	
4	Zona ANL – Micro 13B	X: 735806,620 Y: 443084,541	50	48.4	46.4	
					48.4	
					47.5	

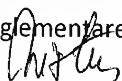
*Conform SR 10009 - 2017 completat cu cu SR 10009:2017/C91:2020 - ACUSTICA – limite admisibile ale nivelului de zgomot”

Observații privind măsurătorile:

- Măsurătorile de zgomot s-au efectuat la fatada cladirii/cladirilor rezidentiale din vecinatate, care este/sunt cele mai expuse zgomotului.

Executant: Laborator Mediu

Cristina Nastase
 Sef Serviciu Reglementare si Monitorizare



Intocmit
 Tincuta Chifor



Se interzice reproducerea Raportului de Încercare in alte scopuri decât cel pentru care a fost eliberat.

**RAPORTARE ANUALA 2023 PRIVIND CANTITATEA DE DEȘURI GENERATE,
COLECTATE / VALORIFICATE / ELIMINATE**

Nr crt	Denumire deseuri	Cod deseuri	Cantitatea de deseuri						
			Generate [tone]	Valorificate [tone]		Eliminate [tone]		Ramase in stoc	
			2023	2023	Agent economic	2023	Agent economic	1/1/2023	31/12/2023
1	Deseu rumegus	03 01 05	30.96	15.48	LIBERTY GALATI / VALEA LUPULUI 1	0.00		0.00	15.48
2	deseu acid clorhidric uzat	06 01 02*	0.00	0.00		0.00		0.00	0.00
3	deseuri materiale plastice	07 02 13	0.00	0.90	LIBERTY GALATI / VALEA LUPULUI 1	0.00		1.30	0.40
4	deseu vopseluri	08 01 11*	59.36	0.00		87.84	VIVANI SALUBRITATE SLOBOZIA	33.53	5.05
5	deseu cartus toner	16.02.14	0.00	0.00		0.00		0.00	0.00
6	zgura cuptor laminoare	10 02 02	598.88	578.88	LIBERTY GALATI / VALEA LUPULUI 1	0.00		0.00	20.00
7	praf furnale	10 02 08	5226.86	6364.68	LIBERTY GALATI - DAMP	0.00		1137.82	0.00
8	praf desprafuire secundara + LF	10 02 08	281.98	1398.56	LIBERTY GALATI - DAMP	0.00		1131.48	14.90
9	praf desprafuire desulfurare DS1	10 02 08	293.57	0.00	LIBERTY GALATI - DAMP	0.00		487.13	780.70
10	tunder	10 02 10	12271.39	10076.01	Liberty Galati - DAMP	0.00		5698.74	7894.12
11	tunder -trimis in Valea Lupului	10 02 10	2342.88	2070.85	Liberty Galati / Valea Lupului 1	0.00		0.00	272.03
14	slam decantor	10 02 11*	1181.45	0.00	Liberty Galati / temporar LBC/ DAMP	0.00		9597.35	10778.80
15	slam furnal	10 02 14	7358.38	14544.24	S.C. HEIDELBERG MATERIALS ROMANIA S.A., Fabrica de ciment Tasca - FIENI Dambovita Holcim Romania SA (Holcim Romania- Ciment Campulung) Comuna Valea Mare Pravăț Arges	0.00		238462.60	231276.74
16	slam OLD grosier	10 02 14	4032.95	4021.80	LIBERTY GALATI/DAMP	0.00		468.95	480.10
17	slam otelarie deshidratat	10 02 14	13253.15	3438.18	LIBERTY GALATI/DAMP	0.00		77756.24	87571.21
18	Deseu fibra de sticla	10 11 03	0.06	0.06	LIBERTY GALATI / VALEA LUPULUI 1	0.00		0.00	0.00
19	steril de var	10 13 04	111.00	125.44	LIBERTY GALATI / VALEA LUPULUI 1	0.00		14.44	0.00
20	var ext. marunt	10 13 06	7157.72	7308.07	LIBERTY GALATI/DAMP	0.00		150.35	0.00
21	praf de var	10 13 13	26.34	0.00		0.00		0.00	26.34
22	molozi	10 13 14	54314.38	35802.05	LIBERTY GALATI / VALEA LUPULUI 1	0.00		18753.06	37265.39
23	deseu industrial si refractar din constr.	10 13 14	38.98	13.76	LIBERTY GALATI / VALEA LUPULUI 1	0.00		11.52	36.74
24	deseu Passerite	11 01 05*	14.30	0.00		13.44	VIVANI SALUBRITATE SLOBOZIA	0.24	1.10
25	drojdie zinc	11 05 01	356.71	355.36	REAZN BELGIUM N.V. Belgia	0.00		91.00	92.35
26	span feros	12 01 01	76.14	76.14	LIBERTY GALATI / BFV	0.00		0.00	0.00
27	fier vechi tehnologic	12 01 01	100084.94	98248.67	LIBERTY GALATI / BFV	0.00		735.56	2571.83
28	span alama(necros)	12 01 03	4.64	0.00		0.00		5.39	10.03
29	span bronz	12 01 03	0.75	0.00		0.00		3.39	4.14

Nr crt	Denumire deseu	Cod deseu	Cantitatea de deseuri							
			Generate [tone]	Valorificate [tone]		Eliminate [tone]		Ramase in stoc		
				2023	2023	Agent economic	2023	Agent economic	1/1/2023	31/12/2023
30	deseu aliaj antifricțiune Y-SN 88	12 01 03	0.00	0.00			0.00		0.00	0.00
31	emulsie uzata	12 01 09*	0.90	0.00			0.90	SC VIVANI SALUBRITATE SA PUNCT DE LUCRU GALATI	19.41	19.41
32	ulei uzat sintetic de ungere	12 01 10*	0.00	0.00			0.00		0.00	0.00
33	vaselina uzata	12 01 12*	17.95	0.00			19.70	SC VIVANI SALUBRITATE SA PUNCT DE LUCRU GALATI	1.77	0.02
34	zgura sudura	12.01.13	719.12	808.32	LIBERTY GALATI / VALEA LUPULUI 1		0.00		95.24	6.04
35	slam laminor	12 01 14*	117.04	0.00			102.16	SC VIVANI SALUBRITATE SA PUNCT DE LUCRU GALATI	26.44	41.32
36	slam Strungaria de cilindrii	12 01 14*	104.58	0.00			105.06	SC VIVANI SALUBRITATE SA PUNCT DE LUCRU GALATI	67.04	66.56
37	slam emulsie (MU)	12 01 14*	14.16	0.00			14.16	SC VIVANI SALUBRITATE SA PUNCT DE LUCRU GALATI	0.00	0.00
38	pietre abrazive	12 01 21	1.10	1.10	LIBERTY GALATI / VALEA LUPULUI 1		0.00		0.02	0.02
39	lichide apoase de spalare	12 03 01*	2.18	0.00			2.18	SC VIVANI SALUBRITATE SA SLOBOZIA	0.00	0.00
40	ulei uzat	13 02 05* 13 01 10*	86.39	94.48	SC MIHOC OIL SRL Pipirig Neamt		0.00		8.72	0.63
41	namol uleios	13 05 02*	0.00	0.00			0.00		0.00	0.00
42	ulei de la separatoare apa-ulei	13 05 06*	142.48	142.48	MIHOC OIL SRL		0.00		0.00	0.00
43	deseu hartie ambalaj	15 01 01	40.47	37.33	LIBERTY GALATI / VALEA LUPULUI 1 / ECOMETAL RECYCLING		0.00		3.66	6.80
44	deseuri PET	15 01 02	21.40	6.38	LIBERTY GALATI / VALEA LUPULUI 1 / ECO METAL RECYCLING		0.00		0.00	15.02
45	deseu de lemn din ambalaj	15 01 03	387.56	450.72	LIBERTY GALATI / VALEA LUPULUI 1 / ECO METAL RECYCLING		0.00		63.58	0.42
46	deseu material textil- ambalaje	15 01 09	0.00	0.00			0.00		0.24	0.24
47	ambalaje care contin reziduuri sau care sunt contaminate cu subs. periculoase	15 01 10*	147.70	0.00			148.40	SC VIVANI SALUBRITATE SA PUNCT DE LUCRU GALATI	14.04	13.34
48	material absorbant cu ulei	15 02 02*	25.38	0.00			24.54	SC VIVANI SALUBRITATE SA PUNCT DE LUCRU GALATI	1.68	2.52
49	deseu materiale de lustruire si echipamente de lucru	15 02 02*	0.00	0.00			0.00		4.96	4.96
50	deseu materiale de lustruire si echipamente de lucru	15 02 03	110.77	27.92	LIBERTY GALATI / VALEA LUPULUI 1		53.59	S.C. VIVANI SALUBRITATE S.A	0.00	29.26
51	deseuri cauciuc - anvelope	16 01 03	2.20	0.00			0.00		3.33	5.53
52	VSU scoase din uz	16 01 06	0.00	0.00			0.00		0.00	0.00
53	deseu filtre ulei	16 01 07*	1.47	0.00			1.36	SC VIVANI SALUBRITATE SA PUNCT DE LUCRU GALATI	0.13	0.24
54	placi frana cu continut de azbest	16 01 11*	0.00	0.00			0.00		2.00	2.00
55	SDV-uri din casari (rulment)	16 01 17	0.00	0.00			0.00		0.00	0.00
56	furtune uzate imbibate cu ulei	16 01 21*	13.24	0.00			13.84	SC VIVANI SALUBRITATE SA PUNCT DE LUCRU GALATI	2.38	1.78
57	transformatori si cond.continand PCB	16 02 09*	0.00	0.00			0.00		0.00	0.00
58	deseu echip.electrice si electronice	16 02 14	15.85	16.96	ECOTIC MOLDOVA SRL GALATI		0.00		1.21	0.09
59	echipament electric	16 02 14	1.10	0.00			0.00		2.56	3.66

Nr crt	Denumire deseuri	Cod deseuri	Cantitatea de deseuri							
			Generate [tone]	Valorificate [tone]		Eliminate [tone]		Ramase in stoc		
			2023	2023	Agent economic	2023	Agent economic	1/1/2023	31/12/2023	
60	deseu monitoare	16 02 15*	0.04	0.00			0.00		0.00	0.04
61	Deseu echipam. el. si electronice (DEEE)	16 02 16	0.40	0.00			0.00		3.09	3.49
62	deseu piese electrice	16 02 16	0.00	0.00			0.00		0.77	0.77
63	deseu Ag pastile cu suport metalic ptr. contacti (BUC)	16 02 16	0.00	0.00			0.00		0.23	0.23
64	deseu Ag ptr. sigurante fuzibile	16 02 16	0.00	0.00			0.00		0.05	0.05
65	carbid	16 03 03*	0.00	0.00			0.00		0.94	0.94
66	deseu banda cauciuc	16 03 06	355.54	283.64	LIBERTY GALATI / VALEA LUPULUI 1/ SELCOS RECYCLING ACT		0.00		11.38	83.28
67	deseuri de laborator	16 05 06*	0.15	0.00			2.46	S.C. VIVANI SALUBRITATE S.A	2.31	0.00
68	acumulatori auto	16 06 01*	14.87	0.00			17.72	CARANDA BATERII SRL	6.80	3.95
69	alte baterii si acumulatori	16 06 05	0.03	0.00			0.00		4.54	4.57
70	deseu hipoclorit de sodiu	16 09 04*	0.00	0.00			0.00		0.00	0.00
71	caramida refractara pe baza de carbon	16 11 02	0.00	0.00			0.00		21.08	21.08
72	deseu caramida refractara	16 11 04	583.42	2088.61	LIBERTY GALATI / VALEA LUPULUI 1		0.00		1525.55	20.36
73	beton	17 01 01	1149.62	912.22	LIBERTY GALATI / VALEA LUPULUI 1		0.00		141.72	379.12
74	deseu lemn din constr. si dem.	17 02 01	1.00	0.00	LIBERTY GALATI / VALEA LUPULUI 1		0.00		2.18	3.18
75	textolit	17 02 01	0.00	0.00			0.00		0.00	0.00
76	materiale plastice	17 02 03	7.98	0.30	LIBERTY GALATI / VALEA LUPULUI 1		0.00		0.16	7.84
77	deseu cauciuc(lemn) imbibat cu ulei	17 02 04*	99.48	0.00			66.12	S.C. VIVANI SALUBRITATE S.A SLOBOZIA	3.90	37.26
78	deseu asfalt	17 03 02	23.16	31.52	LIBERTY GALATI / VALEA LUPULUI 1		0.00		8.36	0.00
79	deseu cupru	17 04 01	18.56	0.00			0.00		6.10	24.65
80	deseu cupru+zinc(alama)	17 04 01	11.90	10.87	ECO METAL RECYCLING		0.00		4.92	5.95
81	deseu bronz	17 04 01	0.63	0.00			0.00		0.06	0.69
82	deseu aluminiu/ cablu si conductori din AL	17 04 02	240.32	266.45	ECO METAL RECYCLING		0.00		30.24	4.12
83	deseu Plumb	17 04 03	0.00	0.00			0.00		0.00	0.00
84	fler vechi netehnologic	17 04 05	6261.43	5790.07	LIBERTY GALATI / BFV		0.00		199.92	671.28
85	otel inox	17 04 05	0.49	0.00			0.00		0.60	1.09
86	amestecuri metalice	17 04 07	0.00	0.00			0.00		0.04	0.04
87	cablu cupru	17 04 11	11.49	16.96	REMATINVEST		0.00		26.55	21.08
88	cablu aluminiu	17 04 11	0.54	0.00			0.00		0.19	0.72

Nr crt	Denumire deseu	Cod deseu	Cantitatea de deseuri							
			Generate [tone]	Valorificate [tone]		Eliminate [tone]		Ramase in stoc		
				2023	2023	Agent economic	2023	Agent economic	1/1/2023	31/12/2023
89	pamant si pietre cu cont de subst.peric.	17 05 03*	108.10	0.00			112.58	SC VIVANI SALUBRITATE SA PUNCT DE LUCRU GALATI/ SLOBOZIA	22.20	17.72
90	pamant si pietre	17 05 04	0.00	0.00			0.00		0.00	0.00
91	vata minerala	17 06 04	14.52	3.86	LIBERTY GALATI / VALEA LUPULUI 1		9.78	VIVANI SALUBRITATE SLOBOZIA	0.46	1.34
92	materiale izolante	17 06 04	34.82	30.30	LIBERTY GALATI / VALEA LUPULUI 1		15.18	VIVANI SALUBRITATE SLOBOZIA	12.70	2.04
93	deseu azbociment	17 06 05*	0.00	0.00			0.00		16.87	16.87
94	mediu de cultura autoclavat	18 02 03	0.03	0.00			0.03	ALTERNATIVE FUELS ROMANIA SRL	0.00	0.00
95	oxid de fier	19 03 07	30.36	30.36	LIBERTY GALATI / DAMP		0.00		0.00	0.00
96	slam GA(decantor) -namol tratare apa	19 09 01	3415.16	3359.94	LIBERTY GALATI / VALEA LUPULUI 1		0.00		2017.55	2072.77
97	deseu hartie carton	20 01 01	2.59	4.36	LIBERTY GALATI / VALEA LUPULUI 1		0.00		3.02	1.25
98	sticla	20 01 02	2.90	0.00			0.00		3.56	6.46
99	tuburi fluorescente	20 01 21*	0.14	0.96	ECOTIC MOLDOVA SRL GALATI		0.00		1.51	0.69
100	deseu lemn - altul decat cel specificat /masa lemnoasa	20 01 38	24.72	27.08	LIBERTY GALATI / VALEA LUPULUI 1		0.00		8.08	5.72
101	deseu PVC	20 01 39	0.00	0.00			0.00		0.40	0.40
102	deseuri biodegradabile - spatii verzi / masa lemnoasa	20 02 01	144.60	178.56	LIBERTY GALATI / VALEA LUPULUI 1		0.00		33.96	0.00
103	deseuri menajere (to)	20 03 01	479.36	0.00			479.36	ECOSAL	0.00	0.00
Total			224129.16	199060.87			1290.40		358980.17	382758.06

GESTIUNEA DESEURILOR ANUL 2023 - DEMOLARI

Nr crt	Denumire deseu	Cod deseu	cantitatea de deseuri [tone]							
			Generate [tone]	Valorificate [tone]		Eliminate [tone]		Ramase in stoc		
				2023	2023	Agent economic	2023	Agent economic	1/1/2023	31/12/2023
1	deseu smoala in amestec cu pamant	05 06 03*	0.00	0.00			0.00		0.00	0.00
2	slam gudron	05 06 03*	20223.44	0.00			20223.44	ALTERNATIVE FUELS ROMANIA SRL	0.00	0.00
3	slam de cocs	05 06 04	0.00	0.00			0.00		0.00	0.00
4	deseu sulf	05 06 99	0.00	0.00			0.00		0.00	0.00
5	deseu acid sulfuric degradat	06 01 01*	0.00	0.00			0.00		0.00	0.00
6	hidroxid de sodiu	06 02 04*	0.00	0.00			0.00		0.00	0.00
7	deseu soda caustica degradata	06 02 04*	0.00	0.00			0.00		0.00	0.00
8	deseu procesare zgura	10 02 01	0.00	0.00			0.00		0.00	0.00
9	slam decantor	10 02 11*	0.00	0.00			0.00		0.00	0.00
10	slam Malina Nord	10 02 14	9182.40	324.64	Liberty Galati/DAMP		0.00		60454.31	69312.07
11	slam Malina Sud	10 02 14	11459.95	4969.90	Liberty Galati/ stoc in DAMP		0.00		4833.95	11324.00
12	steril de var	10 13 04	0.00	0.00			0.00		3.24	3.24

Nr crt	Denumire deseu	Cod deseu	Cantitatea de deseuri										
			Generate [tone]	Valorificate [tone]		Eliminate [tone]		Ramase in stoc					
				2023	2023	Agent economic	2023	Agent economic	1/1/2023	31/12/2023			
13	deseu metalic feros	12 01 01	0.00	0.00									
14	vaselina uzata	12 01 12*	0.00	0.00							0.00	0.00	
15	slam emulsie	12 01 14*	0.00	0.00							0.00	0.00	
16	ulei uzat	13 02 05* 13 01 10*	0.00	0.00							0.00	0.00	
17	hartie si carton	15 01 01	0.00	0.00							0.00	0.00	
18	deseu de lemn	15 01 03	0.00	0.00							0.00	0.00	
19	deseu ambalaj lemn	15 01 03	0.00	0.00							0.00	0.00	
20	ambalaje care contin reziduuri sau care sunt contaminate cu subst. periculoase	15 01 10*	1.60	0.00							0.00	0.00	
21	echipament lucru textil	15 02 02	5.74	0.00							0.00	5.74	
22	material absorbant	15 02 03	0.00	0.00							0.00	0.00	
23	anvelope uzate	16 01 03	0.00	0.00							0.00	0.00	
24	SDV din casari	16 01 17	0.00	0.00							0.00	0.00	
25	Echipamente casate cu continut de clorofluorcarburi, HCFC, HFC	16 02 11*	0.76	0.97	ECOTIC MOLDOVA S.R.L.						0.00	3.25	3.04
26	echip.electrice si electronice	16 02 14	0.00	0.00							0.00	0.00	
27	Componente demontate din echipamente casate	16 02 16	0.00	0.00							0.00	0.00	
28	deseu cauciuc	16 03 06	0.00	12.78	LIBERTY GALATI / VALEA LUPULUI 1						0.00	17.96	5.18
29	banda cauciuc	16 03 06	0.00	0.00							0.00	0.00	
30	substante chimice de laborator	16 05 06*	0.00	0.00							0.00	0.00	
31	acumulatori uzati	16 06 01*	0.00	0.00							0.00	0.00	
32	deseu caramida refractara	16 11 04	475.30	496.62	LIBERTY GALATI / VALEA LUPULUI 1						0.00	2516.97	2495.65
33	deseuri din beton	17 01 01	4016.30	3021.68	LIBERTY GALATI / VALEA LUPULUI 1 / UCC						0.00	168.18	1162.80
34	traverse beton	17 01 01	0.00	0.00							0.00	9.42	9.42
35	moloz	17 01 07	2621.06	100.04	LIBERTY GALATI / VALEA LUPULUI 1						0.00	0.00	2521.02
36	moloz	17 01 07	40294.46	32839.02	UCCI						0.00	119854.61	127310.05
37	deseu lemn	17 02 01	173.62	181.16	LIBERTY GALATI / VALEA LUPULUI 1						0.00	16.56	9.02
38	sticla	17 02 02	0.00	0.00							0.00	14.82	14.82
39	deseu material plastic din demolari	17 02 03	0.78	0.00							0.00	3.92	4.70
40	deseu lemn(traverse)	17 02 04*	192.54	0.00							204.98	33.70	21.26
41	deseu asfalt	17 03 02	0.00	0.00							0.00	1.00	1.00
42	deseu cupru	17 04 01	0.00	0.00							0.00	0.00	0.00
43	deseu bronz	17 04 01	0.00	0.00							0.00	0.00	0.00
44	aluminu	17 04 02	11.28	0.00							0.00	0.00	11.28
45	plumb	17 04 03	0.00	0.00							0.00	0.00	0.00

Nr crt	Denumire dese	Cod dese	Cantitatea de deseuri						
			Generate [tone]	Valorificate [tone]		Eliminate [tone]		Ramase in stoc	
			2023	2023	Agent economic	2023	Agent economic	1/1/2023	31/12/2023
46	fier vechi din demolari (netehnologic)	17 04 05	2558.50	2558.50	LIBERTY GALATI / BFV	0.00		0.00	0.00
47	otel inox	17 04 05	0.00	0.00		0.00		0.00	0.00
48	inox	17 04 05	27.04	33.81	ECO METAL RECYCLING	0.00		26.32	19.55
49	amestecuri metalice (aliaj Cu-Al)(Cu-Zn)	17 04 07	0.00	0.00		0.00		0.00	0.00
50	cablu neferoase	17 04 11	9.72	0.00		0.00		42.19	51.91
51	pamant excavat cu subst peric.	17 05 03*	9438.72	0.00		9438.72	ALTERNATIVE FUELS ROMANIA SRL	0.00	0.00
52	azbest	17 06 01 *	0.00	0.00		0.00		0.00	0.00
53	vata minerala contaminata cu gudron	17 06 03*	90.42	0.00		90.42	SC VIVANI SALUBRITATE SA - SLOBOZIA	0.00	0.00
54	vata minerala	17 06 04	6.46	6.46	LIBERTY GALATI / VALEA LUPULUI 1	0.00		0.00	0.00
55	deseu azbociment	17 06 05*	383.58	0.00		383.58	S.C. VIVANI SALUBRITATE S.A SLOBOZIA	0.00	0.00
56	deseu fier vechi in amestec cu lemn impregnat cu ulei absorbtie	17 09 03*	0.00	0.00		0.00		0.00	0.00
57	deseu industrial si refractar	17 09 04	34.52	0.00		0.00		175.78	210.30
58	slam statie tratare ape	19 08 11*	0.00	52.10	LIBERTY GALATI	0.00		52.10	0.00
59	slam Catusa	19 09 01	52274.85	88115.50	GENDAV SRL/ ALTERNATIVE FUELS ROMANIA SRL	0.00		35840.65	0.00
60	deseu sticla	20 01 02	0.00	0.00		0.00		2.44	2.44
61	deseu lemn -altul decat cel specificat la 20.01.37	20 01 38	0.00	0.00		0.00		0.00	0.00
62	deseu echipam. el. si electronice (DEEE)	20 01 35*	0.00	0.00		0.00		0.10	0.10
63	deseuri biodegradabile - spatii verzi	20 02 01	0.00	0.00		0.00		0.00	0.00
64	deseuri menajere (to)	20 03 01	0.00	0.00		0.00		0.00	0.00
65	Lichide apoase cu continut de substante periculoase	16.10.01*	219.37	0.00		219.37	ALTERNATIVE FUELS ROMANIA SRL	0.00	0.00
TOTAL			153702.41	132713.18		30562.11		224071.47	214498.58
TOTAL 1+2			377831.57	331774.05		31852.51		583051.64	597256.65

DESEURI ACHIZITIE ANUL 2023

Nr crt	Denumire dese / Sursa	Cod dese	cantitatea de deseuri [tone]				
			Generate [tone]	Valorificate [tone]		Ramase in stoc	
			2023	2023	Agent economic	1/1/2023	31/12/2023
1	tunder achizitie - interna (din tara) / Zalau	10 02 10	9482.30	8498.30	LIBERTY GALATI - DAMP	0.00	984.00
2	tunder achizitie import- externa / Turcia / Bulgaria	10 02 10	13464.01	9734.01	LIBERTY GALATI - DAMP	0.00	3730.00
3	fier vechi - achizitie din tara	17 04 05	43011.10	31490.60	LIBERTY GALATI - OLD	14085.30	25605.80
4	ambalaje metalice procesate/ Vivani -punct de lucru Galati	15 01 04	105.75	102.25	LIBERTY GALATI - BFV	0.00	3.50

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