

AGENȚIA PENTRU PROTECȚIA MEDIULUI
HUNEDOARA

Registrat nr. 2032
2020 luna 02 ziua 28

R/21



S.C GRAND SMITHY WORKS INTERNATIONAL S.R.L.

Sos. Smardan, nr. 1, ARCELORMITTAL GALATI S.A, Anexa UETU, Parter, Galati | 800698, ROMANIA

CUI: RO 15861890, O.R.C. J17/1494/31.10.2003

ContIBAN: RO65RNCB0141032859900001, BCR Galati

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Nr. 145 / 26.02.2020

Catre,

Agentia pentru Protectia Mediului Hunedoara

Prin prezenta va inaintam Raportul anual de mediu pentru 2019 .

Cu stima,

Director Adjunct

Drîmba Mihai



INDIA ROMANIA KAZAKHSTAN

RAPORT ANUAL de MEDIU 2019

S.C. GRAND SMITHY WORKS INTERNATIONAL S.R.L.

1 DATE DE IDENTIFICARE A TITULARULUI ACTIVITATII

IDENTIFICAREA Halda de zgura Buituri - incinta
AMPLASAMENTULUI
NUMELE INSTALATIEI Instalatie exploatare, prelucrare si
valorificare a haldei de zgura Buituri
ADRESA INSTALATIEI DJ 687 nr. 4, Hunedoara, jud. Hunedoara
COD POSTAL 331111

COORDONATELE
AMPLASAMENTULUI

Punct	X	Y
1	338800,357	477712,473
2	338946,145	477705,364
3	339161,080	477645,675
4	339230,183	477514,984
5	339430,973	477485,595
6	339651,034	477679,033
7	339814,423	477873,964
8	339786,963	478111,670
9	339569,590	478346,489
10	339374,024	478526,800
11	339284,732	478551,898
12	339198,772	478473,518
13	339091,574	478469,110
14	339065,855	478376,475
15	339030,397	478289,715
16	338964,980	478312,519
17	338190,108	478240,528
18	338846,295	478114,333
19	338786,344	478038,211
20	338830,151	477964,353
21	338810,106	477907,108
22	338830,440	477817,885

23	338747,000	477772,960
24	338792,307	477720,958

Codul CAEN

3832-Recuperarea
materialelorreciclabilisortate
3821-Tratarea
sieliminareadeseurilornepericuloase
4677-Comert cu ridicata al

**Activitateapricipala
conformLegii278/2013**

5.3.b – Valorificarea sau o combinatie de
valorificare si eliminare a deseurilor
nepericuloase, cu o capacitate mai mare de
75 de tone pe zi, implicand, cu exceptia
activitatilor care intra sub incidenta
prevederilor anexei 1 la Hotararea
Guvernului nr. 188/2002, cu modificarile si
completarile ulterioare, activitatea (iii)
tratarea zgurii

Activitatisecundare

Autoritatea de reglementare

Agentia pentru Protectia Mediului
Hunedoara

Numarul instalatiilor

1

Numar ore de functionare pe an

2550

Numarangajati

18

Numarulautorizatiei de mediu

AIM 1-02.05.2018

Persoana de contact

Sgardea Vali

Telefon

0744 320 157

Fax

Adresa e-mail

vali.sgardea@belevion.com

2. DATE PRIVIND DESFASURAREA ACTIVITATII (conf. pct.3 din autorizatie)

Instalatie	Capacitate maximă proiectata 12200 t / zi	Anul 2019
	Produse	
	Sorturi feroase	41.425,92 tone
	Scoarta A	0 tone
	Scoarta B	33.970,80 tone
	Scoarta C	613,70 tone
	Scoarta D++	6.841,42 tone
	Zgura deferizata	312.819,546 tone

3.UTILIZAREA MATERIILOR PRIME SI MATERIALELOR AUXILIARE (conf.pct.6din autorizatie)

Denumire materie prime / materiale auxiliare	Consumuri realizate	Consumuri pentru capacitatea maxima proiectata
- Zgura din procese siderurgice (cod 10 02 02)	1.740.040.,86 tone	12.200 t/zi
- Motorina	257.501	87 t/an
- Piese de schimb	-	Variabila
- Ulei de motor	-	584 l/an
- Ulei hidraulic	-	600 l/an
- Filtre ulei / motorina	-	12 buc/an
- Baterii auto	-	6 buc/an
- Anvelope	-	12 buc/an
- Benzi transportoare	65 mp	10 mp/an

4. SUBSTANȚELE SI PREPARATELE CHIMICE PERICULOASE PREZENTE PE AMPLASAMENT (conf.autorizatie)

In anul 2019 au fost utilizate pe amplasament urmatoarele preparate chimice periculoase :

Nr. Crt.	Denumiresubstanta	Categ.de substanta - CAS	Fraze de pericol	Cantitate prezenta / capac. Stocare (t)
1	Motorina	Cancerigen Cat.2; Lichidinflamabil Cat.3; Categoria 1 Aspiratie; STOT Cat.2; Toxicitatecronica Cat.2	H 351; H 226; H 304 H 315; H 332; H 373 H 411	20 to

5.RESURSE : APA, ENERGIE, GAZE NATURALE. (consumuri realizate)

Instalatia de prelucrarezgura

Resurse energetic	UM	Cantitate
Electricitate	Kwh	
- grup electrogen perimetrul A	Kwh	
- grup electrogen perimetrul B	Kwh	
Gaz natural	Mc	Nu este cazul
Apa	Mc	Nu este cazul
Energie termica	Kj	Nu este cazul

6.MONITORIZARI

(conf. pct. 13 din Autorizatia Integrata de mediu1/2018)

6.1 Emisii din surse dirijate – nu este cazul

6.2 Monitorizarea calitatii aerului

Punctul de prelevare este situat la intrare in depozit si are coordonatele:

X: 338996; Y: 477755

Parametru	Frecv	Ian.	Feb	Mar	Apr	Mai	Iun	Iul	Aug	Sep	Oct	Nov	Dec	CMA
Dioxid de sulf (SO2) mg/nmc	Anual											<0,190		0,35
Dioxid de azot (NO2) mg/nmc	Anual											0.078		0,20
Monoxid de carbon (CO) mg/nmc	Anual											1,31		
PM10 mg/nmc	Anual											0.042		0,05
Pulberi sedimentabile g/mp/luna	Lunar	13.5	12.4	7.00	10.8	7.44	12.7	15.8	11.4	12.3	13.3	10.7	8.32	17

6.3 Monitorizarea emisiilor in apa – conform Autorizatiei de gospodarire a apelor nr. 335 din 12.12 2017

6.3.1. Monitorizarea apei – punctul de prelevare este Izvor Halda cu coordonatele X: 478223; Y: 338801

Parametru	Frecventa	Semestrul I	Semestrul II
pH (unitati)	semestrial	12.30 ✓	12.20 ✓
CCOCr (mgO2/l)		115.00 ✓	239.00 ✓
Reziduu filtrabil 105°C (mg/l)		2380 ✓	2380 ✓
Cr (mg/l)		0.0077 ✓	0.0084 ✓
Cu (mg/l)		0.0124 ✓	0.0149 ✓
Mn (µg/l)		0.0051 ✓	0.0044 ✓
Ni (µg/l)		0.0142 ✓	0.0040 ✓
Pb (µg/l)		<0.0050 ✓	<0.0050 ✓
Zn (µg/l)		0.065 ✓	<0,010 ✓
Fe (mg/l)		0.0925 ✓	0.0708 ✓
PAH (µg/l)		4.76 ✓	4.03 ✓

6.4. Monitorizarea panzei freatice – punctele de prelevare sunt:

Foraj FM1, coordonate X: 478020; Y:338717; Z:232 H(m): 7-10

Parametru	Frecventa	Semestrul I	Semestrul II
pH (unitati)	semestrial	7.10 ✓	6.60 ✓
Turbiditate (NTU)		4.340	19.30
CCOCr (mgO2/l)		19.00 ✓	14.40 ✓
Cr (mg/l)		0.0207 ✓	0.0095 ✓
Cu (mg/l)		0.3970 ✓	0.0089 ✓
Mn (µg/l)		0.0336 ✓	0.0062 ✓
Ni (µg/l)		0.044 ✓	0.016 ✓
Pb (µg/l)		<0,0050 ✓	<0,0050 ✓
Zn (µg/l)		0.149 ✓	<0,0010 ✓
Fe (mg/l)		0.4030 ✓	0.1110 ✓
Reziduu filtrabil 105°C (mg/l)		274.00 ✓	272.00 ✓
Produse petroliere (mg/l)		<0,34 ✓	<0,34 ✓
PAH (µg/l)		0.020 ✓	0.058 ✓

Foraj FM2, coordonate X: 478421; Y: 339001; Z: 240 H(m): 14-17

Parametru	Frecventa	Semestrul I	Semestrul II
pH (unitati)	semestrial	7.30 ✓	7.30 ✓
Turbiditate (NTU)		122.00	2.240
CCOCr (mgO2/l)		19.00 ✓	33.50 ✓
Cr (mg/l)		0.014 ✓	0.010 ✓
Cu (mg/l)		0.038 ✓	0.006 ✓
Mn (µg/l)		0.350 ✓	0.286 ✓
Ni (µg/l)		0.017 ✓	0.005 ✓
Pb (µg/l)		<0,0050 ✓	<0.0050 ✓

Zn (µg/l)		0.054 ✓	<0,0010 ✓
Fe (mg/l)		6.980 ✓	0.403 ✓
Reziduu filtrabil 105°C (mg/l)		560 ✓	645 ✓
Produse petroliere (mg/l)		<0,34 ✓	<0,35 ✓
PAH (µg/l)		0.001 ✓	0.033 ✓

6.5 Monitorizarea solului – sunt 5 puncte de prelevare iar frecventa este anuala.

Coordonatele punctelor sunt:

PMSR – punct de referinta X: 478407; Y: 339695

PMS1- X: 478513; Y: 339217

PMS2- X: 477606; Y: 339657

PMS3- X: 477436; Y: 339352

PMS4- X: 477945; Y: 338789

Parametru	PMSR	PMS1	PMS2	PMS3	PMS4	Prag de alerta (mg/kg SU)	Prag de interventie (mg/kg SU)
Cadmiu	0,377 ✓	0,369 ✓	0,367 ✓	0,347 ✓	0,337 ✓	5	10
Crom total	16.00 ✓	14.90 ✓	15.90 ✓	14.90 ✓	14.30 ✓	300	600
Cupru	20.70 ✓	20.60 ✓	20.30 ✓	19.80 ✓	19.10 ✓	250	500
Mangan	676.00	676.00	664.00 ✓	628.00 ✓	599.00	2000	4000
Nichel	18.20 ✓	18.20 ✓	18.50 ✓	17.70 ✓	17.70 ✓	200	500
Plumb	29.3 ✓	28.6 ✓	27.8 ✓	26.4 ✓	24.8 ✓	250	1000
Zinc	57,7 ✓	55,8 ✓	54,9 ✓	52,8 ✓	48,1 ✓	700	1500
Total hidrocarburi din petrol	69.2	55.1	52.7	62.3	46.4	1000	2000

6.6 Monitorizarea tehnologica.

- Consumul de energie – racordarea la statia electrica 110/20 kV din incinta ArcelorMittal Hunedoara SA nu s-a realizat

- Consum de motorina –

Ian.	Feb.	Mart.	Aprilie	Mai	Iunie	Iulie	August	Sept.	Oct.	Nov.	Dec.
22.266	26.805	27.713	23.667	28.127	16.774	23.158	5.285	23.930	24.750	23.199	11.827

- **Stabilitatea halda** – s-au fixat 9 repere care vor fi monitorizate continuu si verificate prin masuratori lunare

**Tabel cu bornele topografice amplasate pentru monitorizarea Haldei de zgură Buituri,
jud. Hunedoara**

Beneficiar: GSW INTERNATIONAL SRL

Sistem de coordonate: STEREO 1970

Monitorizare INIȚIAL			Monitorizare 15.01.2019			Diferențe			
Nr.	Y[m]	X[m]	Z[m]	Y[m]	X[m]	Z[m]	dy[m]	dx[m]	dz[m]
B1	339183.653	478421.145	280.013	339183.609	478420.987	279.840	-0.044	-0.158	-0.173
B2	339073.888	478400.714	258.494	339074.011	478400.702	258.320	0.123	-0.012	-0.174
B3	339114.967	478158.391	287.566	339115.013	478158.349	287.470	0.046	-0.042	-0.096
B4	339098.101	478321.404	276.699	339098.112	478321.255	276.551	0.011	-0.149	-0.148
B5	338923.474	478140.003	247.154	338923.398	478139.821	246.812	-0.076	-0.182	-0.342
B6	338844.500	478057.974	246.599	338844.593	478057.899	246.554	0.093	-0.075	-0.045
B7	338931.998	477974.698	265.329	338932.090	477974.621	265.332	0.092	-0.077	-0.003
S1	339461.401	477922.473	343.493	339461.362	477922.500	343.459	-0.039	0.027	-0.034
S2	339472.12	477963.529	340.72	339472.033	477963.577	340.712	-0.087	0.048	-0.007
S3	339426.249	477922.494	334.943	339426.177	477922.498	334.892	-0.072	0.004	-0.051
R1	339609.458	477870.124	363.410	339609.379	477870.033	363.389	-0.079	-0.091	-0.021
R2	339575.182	478025.973	353.670	339575.117	478025.897	353.659	-0.065	-0.076	-0.011
R3	339720.585	477860.486	382.220	339720.587	477860.467	382.177	0.002	-0.019	-0.043
R4	339709.162	477935.969	381.410	339709.098	477935.999	381.388	-0.064	0.030	-0.022
R5	339682.887	478020.519	366.990	339682.801	478020.487	366.991	-0.086	-0.032	-0.001
R6									
R7	339434.135	477823.251	346.790	339434.129	477823.253	346.651	-0.006	0.002	-0.139

Monitorizare INIȚIAL			Monitorizare 21.02.2019			Diferențe			
Nr.	Y[m]	X[m]	Z[m]	Y[m]	X[m]	Z[m]	dx [m]	dy[m]	dz[m]
B1	339183.653	478421.145	280.013	339183.633	478421.023	280.01	-0.020	-0.122	-0.001
B2	339073.888	478400.714	258.494	339074.018	478400.752	258.5	0.130	0.038	-0.001
B3	339114.967	478158.391	287.566	339115.129	478158.446	287.56	0.162	0.055	0.001
B4	339098.101	478321.404	276.699	339098.197	478321.313	276.69	0.096	-0.091	-0.006
B5	338923.474	478140.003	247.154	338923.383	478139.885	247.2	-0.091	-0.118	-0.042
B6	338844.500	478057.974	246.599	338844.587	478057.93	246.62	0.087	-0.041	-0.035
B7	338931.998	477974.698	265.329	338932.053	477974.623	265.33	0.055	-0.075	-0.001
S1	339461.401	477922.473	343.493	339461.254	477922.553	343.42	-0.147	0.080	0.061
S2	339472.12	477963.529	340.72	339471.937	477963.653	340.65	-0.184	0.124	-0.067
S3	339426.249	477922.494	334.943	339426.036	477922.543	334.9	-0.213	0.049	-0.047
R1	339609.458	477870.124	363.410	339609.484	477870.144	363.51	0.026	-0.020	0.005
R2	339575.182	478025.973	353.670	339575.134	478026.051	353.66	-0.048	0.078	-0.011
R3	339720.585	477860.486	382.220	339720.583	477860.528	382.18	-0.002	0.042	-0.041
R4	339709.162	477935.969	381.410	339709.149	477935.97	381.45	-0.013	0.001	-0.017
R5	339682.887	478020.519	366.990	339682.882	478020.511	366.95	-0.005	0.003	-0.033
R6									
R7	339434.135	477823.251	346.790	339434.15	477823.258	346.8	0.015	0.007	0.010

Monitorizare INIȚIAL				Monitorizare 15.03.2019			Diferențe		
Nr.	Y[m]	X[m]	Z[m]	Y[m]	X[m]	Z[m]	dx[m]	dy[m]	dz[m]
B1	339183.653	478421.145	280.013	339183.635	478421.017	279.92	0.018	0.128	0.088
B2	339073.888	478400.714	258.494	339074.019	478400.723	258.39	0.131	0.009	0.107
B3	339114.967	478158.391	287.566	339115.117	478158.438	287.48	0.150	0.047	0.051
B4	339098.101	478321.404	276.699	339098.198	478321.313	276.62	0.097	0.091	0.077
B5	338923.474	478140.003	247.154	338923.403	478139.877	247.04	0.071	0.126	0.112
B6	338844.500	478057.974	246.599	338844.602	478057.911	246.5	0.102	0.064	0.094
B7	338931.998	477974.698	265.329	338932.001	477974.695	265.33	0.003	0.003	0.002
S1	339461.401	477922.473	343.493	339461.197	477922.562	343.39	0.204	0.089	0.101
S2	339472.12	477963.529	340.72	339471.893	477963.658	340.7	0.227	0.129	0.023
S3	339426.249	477922.494	334.943	339426.026	477922.519	334.94	0.223	0.025	0.001
R1	339609.458	477870.124	363.410	339609.468	477870.147	363.51	0.010	0.023	0.005
R2	339575.182	478025.973	353.670	339575.082	478026.056	353.67	0.100	0.085	0.001
R3	339720.585	477860.486	382.220	339720.57	477860.523	382.17	0.015	0.042	0.045
R4	339709.162	477935.969	381.410	339709.147	477935.971	381.45	0.015	0.002	0.014
R5	339682.887	478020.519	366.990	339682.872	478020.507	366.98	0.015	0.012	0.013
R6									
R7	339434.135	477823.251	346.790	339434.114	477823.266	346.79	0.021	0.015	0.003

Monitorizare INIȚIAL				Monitorizare 18.04.2019			Diferențe		
Nr.	Y[m]	X[m]	Z[m]	Y[m]	X[m]	Z[m]	dx[m]	dy[m]	dz[m]
B1	339183.653	478421.145	280.013	339183.637	478421.023	279.91	0.016	0.122	0.099
B2	339073.888	478400.714	258.494	339074.025	478400.727	258.39	0.137	0.013	0.104
B3	339114.967	478158.391	287.566	339115.122	478158.432	287.48	0.155	0.041	0.085
B4	339098.101	478321.404	276.699	339098.203	478321.305	276.61	0.102	0.099	0.090
B5	338923.474	478140.003	247.154	338923.412	478139.867	247.04	0.062	0.136	0.117
B6	338844.500	478057.974	246.599	338844.612	478057.906	246.5	0.112	0.065	0.102
B7	338931.998	477974.698	265.329	338932.005	477974.69	265.32	0.007	0.008	0.008
S1	339461.401	477922.473	343.493	339461.204	477922.573	343.39	0.197	0.100	0.107
S2	339472.12	477963.529	340.72	339471.901	477963.659	340.69	0.219	0.130	0.030
S3	339426.249	477922.494	334.943	339426.024	477922.515	334.94	0.225	0.021	0.003
R1	339609.458	477870.124	363.410	339609.46	477870.144	363.51	0.002	0.020	0.005
R2	339575.182	478025.973	353.670	339575.087	478026.051	353.66	0.015	0.073	0.011
R3	339720.585	477860.486	382.220	339720.575	477860.528	382.18	0.010	0.042	0.011
R4	339709.162	477935.969	381.410	339709.155	477935.97	381.45	0.007	0.001	0.014
R5	339682.887	478020.519	366.990	339682.881	478020.512	366.98	0.006	0.007	0.006
R6									
R7	339434.135	477823.251	346.790	339434.122	477823.273	346.78	0.013	0.022	0.010

Monitorizare INIȚIAL			Monitorizare 17.05.2019			Diferente			
Nr.	Y[m]	X[m]	Z[m]	Y[m]	X[m]	Z[m]	dx[m]	dy[m]	dz[m]
B1	339183.653	478421.145	280.013	339183.652	478421.029	279.92	0.001	0.116	0.092
B2	339073.888	478400.714	258.494	339074.041	478400.716	258.4	-0.153	0.002	0.006
B3	339114.967	478158.391	287.566	339115.137	478158.419	287.49	0.170	0.028	0.004
B4	339098.101	478321.404	276.699	339098.217	478321.29	276.6	0.116	0.111	0.005
B5	338923.474	478140.003	247.154	338923.403	478139.851	247.04	0.071	0.152	0.111
B6	338844.500	478057.974	246.599	338844.603	478057.893	246.51	0.103	0.001	0.081
B7	338931.998	477974.698	265.329	338932.011	477974.699	265.33	0.013	0.001	0.000
S1	339461.401	477922.473	343.493	339461.211	477922.559	343.38	0.190	0.086	0.112
S2	339472.12	477963.529	340.72	339471.917	477963.642	340.7	0.205	0.111	0.001
S3	339426.249	477922.494	334.943	339426.017	477922.509	334.93	0.232	0.015	0.006
R1	339609.458	477870.124	363.410	339609.451	477870.124	363.52	0.007	0.000	0.107
R2	339575.182	478025.973	353.670	339575.068	478026.027	353.66	0.114	0.051	0.000
R3	339720.585	477860.486	382.220	339720.559	477860.514	382.16	0.026	0.028	0.057
R4	339709.162	477935.969	381.410	339709.159	477935.962	381.44	0.003	0.007	0.001
R5	339682.887	478020.519	366.990	339682.867	478020.499	366.98	0.020	0.020	0.011
R6									
R7	339434.135	477823.251	346.790	339434.109	477823.27	346.67	0.026	0.019	0.120

Monitorizare INIȚIAL			Monitorizare 14.06.2019			Diferente			
Nr.	Y[m]	X[m]	Z[m]	Y[m]	X[m]	Z[m]	dx[m]	dy[m]	dz[m]
B1	339183.653	478421.145	280.013	339183.651	478420.978	279.92	0.002	0.167	0.094
B2	339073.888	478400.714	258.494	339074.005	478400.792	258.32	0.117	0.070	0.175
B3	339114.967	478158.391	287.566	339115.104	478158.435	287.5	0.137	0.041	0.071
B4	339098.101	478321.404	276.699	339098.156	478321.309	276.57	0.055	0.095	0.120
B5	338923.474	478140.003	247.154	338923.351	478139.954	246.88	0.123	0.019	0.272
B6	338844.500	478057.974	246.599	338844.604	478057.898	246.42	0.104	0.076	0.182
B7	338931.998	477974.698	265.329	338931.949	477974.711	265.1	0.049	0.013	0.232
S1	339461.401	477922.473	343.493	339461.111	477922.654	343.36	0.290	0.181	0.136
S2	339472.12	477963.529	340.72	339471.856	477963.766	340.73	0.264	0.237	0.005
S3	339426.249	477922.494	334.943	339425.88	477922.577	334.91	0.369	0.083	0.036
R1	339609.458	477870.124	363.410	339609.512	477870.131	363.49	0.054	0.007	0.082
R2	339575.182	478025.973	353.670	339575.097	478026.039	353.64	0.085	0.066	0.031
R3	339720.585	477860.486	382.220	339720.592	477860.507	382.18	0.007	0.021	0.037
R4	339709.162	477935.969	381.410	339709.175	477935.961	381.47	0.013	0.008	0.057
R5	339682.887	478020.519	366.990	339682.869	478020.5	366.99	0.018	0.010	0.001
R6									
R7	339434.135	477823.251	346.790	339434.123	477823.268	346.84	0.012	0.017	0.016

Monitorizare INIȚIAL				Monitorizare 17.07.2019			Diferente		
Nr.	Y[m]	X[m]	Z[m]	Y[m]	X[m]	Z[m]	dx[m]	dy[m]	dz[m]
B1	339183.653	478421.145	280.013	339183.659	478421.003	279.92	0.006	-0.142	-0.097
B2	339073.888	478400.714	258.494	339074.013	478400.788	258.34	0.125	0.074	-0.154
B3	339114.967	478158.391	287.566	339115.112	478158.452	287.5	0.145	0.061	0.086
B4	339098.101	478321.404	276.699	339098.164	478321.291	276.49	0.063	-0.113	-0.207
B5	338923.474	478140.003	247.154	338923.398	478139.937	246.96	-0.076	-0.066	-0.216
B6	338844.500	478057.974	246.599	338844.622	478057.912	246.45	0.122	-0.062	-0.146
B7	338931.998	477974.698	265.329	338931.953	477974.7	265.15	-0.045	0.002	-0.177
S1	339461.401	477922.473	343.493	339461.109	477922.602	343.38	-0.292	0.129	0.111
S2	339472.12	477963.529	340.72	339471.872	477963.701	340.74	-0.248	0.172	0.181
S3	339426.249	477922.494	334.943	339425.996	477922.583	334.92	-0.253	0.089	0.038
R1	339609.458	477870.124	363.410	339609.531	477870.139	363.5	0.073	0.015	0.001
R2	339575.182	478025.973	353.670	339575.086	478026.048	353.64	-0.096	0.075	0.078
R3	339720.585	477860.486	382.220	339720.599	477860.511	382.19	0.014	0.025	0.025
R4	339709.162	477935.969	381.410	339709.187	477935.955	381.48	0.025	-0.014	-0.025
R5	339682.887	478020.519	366.990	339682.879	478020.506	367	-0.008	-0.013	-0.013
R6									
R7	339434.135	477823.251	346.790	339434.115	477823.274	346.83	-0.020	0.023	0.004

Monitorizare INIȚIAL				Monitorizare 16.08.2019			Diferente		
Nr.	Y[m]	X[m]	Z[m]	Y[m]	X[m]	Z[m]	dx[m]	dy[m]	dz[m]
B1	339183.653	478421.145	280.013	339183.65	478421.041	279.92	-0.003	-0.104	-0.091
B2	339073.888	478400.714	258.494	339074.009	478400.795	258.35	0.121	0.081	-0.145
B3	339114.967	478158.391	287.566	339115.103	478158.46	287.51	0.136	0.064	0.041
B4	339098.101	478321.404	276.699	339098.172	478321.287	276.51	0.071	-0.117	-0.188
B5	338923.474	478140.003	247.154	338923.387	478139.951	246.97	-0.087	-0.052	-0.187
B6	338844.500	478057.974	246.599	338844.605	478057.919	246.49	0.105	-0.056	-0.106
B7	338931.998	477974.698	265.329	338931.944	477974.703	265.2	-0.054	0.005	-0.125
S1	339461.401	477922.473	343.493	339461.177	477922.588	343.39	-0.224	0.115	0.095
S2	339472.12	477963.529	340.72	339471.933	477963.673	340.74	-0.187	0.144	0.151
S3	339426.249	477922.494	334.943	339426.017	477922.592	334.93	-0.232	0.098	0.049
R1	339609.458	477870.124	363.410	339609.543	477870.143	363.49	0.085	0.019	0.081
R2	339575.182	478025.973	353.670	339575.083	478026.037	353.65	-0.099	0.064	0.017
R3	339720.585	477860.486	382.220	339720.591	477860.518	382.19	0.006	0.032	0.033
R4	339709.162	477935.969	381.410	339709.18	477935.96	381.48	0.018	-0.001	-0.021
R5	339682.887	478020.519	366.990	339682.874	478020.511	366.99	-0.013	-0.001	-0.004
R6									
R7	339434.135	477823.251	346.790	339434.126	477823.278	346.84	-0.009	0.027	0.015

Monitorizare INIȚIAL				Monitorizare 27.09.2019			Diferente		
Nr.	Y[m]	X[m]	Z[m]	Y[m]	X[m]	Z[m]	dx[m]	dy[m]	dz[m]
B1	339183.653	478421.145	280.013	339183.64	478420.989	279.86	0.013	0.156	0.153
B2	339073.888	478400.714	258.494	339074.036	478400.716	258.36	0.148	0.002	0.125
B3	339114.967	478158.391	287.566	339115.096	478158.449	287.4	0.129	0.058	0.165
B4	339098.101	478321.404	276.699	339098.199	478321.306	276.56	0.098	0.096	0.132
B5	338923.474	478140.003	247.154	338923.418	478139.869	247	0.056	0.134	0.154
B6	338844.500	478057.974	246.599	338844.567	478057.911	246.4	0.067	0.063	0.193
B7	338931.998	477974.698	265.329	338932.199	477974.589	265.61	0.201	0.101	0.311
S1	339461.401	477922.473	343.493	339461.017	477922.7	343.38	0.384	0.227	0.116
S2	339472.12	477963.529	340.72	339471.748	477963.875	340.72	0.372	0.346	0.001
S3	339426.249	477922.494	334.943	339425.759	477922.627	334.88	0.490	0.134	0.000
R1	339609.458	477870.124	363.410	339609.402	477870.151	363.35	0.056	0.027	0.065
R2	A fost excavată zona în care era amplasată borna topografică								
R3	339720.585	477860.486	382.220	339720.577	477860.476	382.22	0.008	0.010	0.005
R4	339709.162	477935.969	381.410	339709.137	477935.976	381.42	0.025	0.007	0.003
R5	339682.887	478020.519	366.990	339682.702	478020.728	366.65	0.185	0.209	0.312
R6	A fost excavată zona în care era amplasată borna topografică								
R7	339434.135	477823.251	346.790	339434.124	477823.272	346.83	0.011	0.021	0.034
SS1	338802.745	477928.884	249.718						
SS2	338785.301	477763.482	274.992						
SS3	338840.541	477773.731	272.315						

Monitorizare INIȚIAL				Monitorizare 25.10.2019			Diferente		
Nr.	Y[m]	X[m]	Z[m]	Y[m]	X[m]	Z[m]	dx[m]	dy[m]	dz[m]
B1	339183.653	478421.145	280.013	339183.628	478421.089	279.95	0.025	0.056	0.063
B2	339073.888	478400.714	258.494	339074.026	478400.734	258.45	0.138	0.023	0.040
B3	339114.967	478158.391	287.566	339115.079	478158.437	287.4	0.112	0.046	0.162
B4	339098.101	478321.404	276.699	339098.18	478321.223	276.65	0.079	0.131	0.051
B5	338923.474	478140.003	247.154	338923.407	478139.985	247.07	0.067	0.018	0.087
B6	338844.500	478057.974	246.599	338844.555	478057.944	246.53	0.055	0.030	0.066
B7	338931.998	477974.698	265.329	338931.975	477974.727	265.26	0.023	0.029	0.073
S1	339461.401	477922.473	343.493	339460.911	477922.665	343.27	0.490	0.192	0.219
S2	339472.12	477963.529	340.72	339471.715	477964.004	340.54	0.405	0.175	0.179
S3	339426.249	477922.494	334.943	339425.802	477922.652	334.8	0.447	0.158	0.446
R1	339609.458	477870.124	363.410	339609.459	477870.203	363.34	0.001	0.079	0.072
R2	A fost excavată zona în care era amplasată borna topografică								
R3	339720.585	477860.486	382.220	339720.593	477860.478	382.23	0.008	0.008	0.010
R4	339709.162	477935.969	381.410	339709.133	477935.976	381.43	0.029	0.007	0.023
R5	339682.887	478020.519	366.990	339682.672	478020.774	366.62	0.215	0.205	0.369
R6	A fost excavată zona în care era amplasată borna topografică								
R7	339434.135	477823.251	346.790	339434.125	477823.287	346.77	0.010	0.036	0.019
SS1	338802.745	477928.884	249.718	338802.711	477928.878	249.76	0.034	0.006	0.023
SS2	338785.301	477763.482	274.992	338785.331	477763.471	275.03	0.030	0.011	0.030
SS3	338840.541	477773.731	272.315	338840.522	477773.728	272.43	0.019	0.003	0.119

Monitorizare INIȚIAL				Monitorizare 28.11.2019			Diferente		
Nr.	Y[m]	X[m]	Z[m]	Y[m]	X[m]	Z[m]	dx[m]	dy[m]	dz[m]
B1	339183.653	478421.145	280.013	339183.615	478421.003	279.94	0.038	0.142	0.069
B2	339073.888	478400.714	258.494	339074.017	478400.722	258.45	0.129	0.008	0.045
B3	339114.967	478158.391	287.566	339115.087	478158.441	287.4	0.120	0.050	0.120
B4	339098.101	478321.404	276.699	339098.191	478321.284	276.63	0.090	0.120	0.065
B5	338923.474	478140.003	247.154	338923.4	478139.858	247.06	0.074	0.145	0.085
B6	338844.500	478057.974	246.599	338844.567	478057.931	246.52	0.067	0.047	0.067
B7	338931.998	477974.698	265.329	338931.972	477974.72	265.27	0.026	0.022	0.053
S1	339461.401	477922.473	343.493	339460.705	477922.871	343.19	0.696	0.600	0.308
S2	339472.12	477963.529	340.72	339471.463	477964.103	340.56	0.657	0.640	0.163
S3	339426.249	477922.494	334.943	339425.47	477922.755	334.79	0.779	0.251	0.154
R1	339609.458	477870.124	363.410	339609.45	477870.232	363.33	0.008	0.108	0.077
R2	A fost excavată zona în care era amplasată borna topografică								
R3	339720.585	477860.486	382.220	339720.585	477860.47	382.22	0.000	0.016	0.000
R4	339709.162	477935.969	381.410	339709.129	477935.968	381.43	0.033	0.001	0.033
R5	339682.887	478020.519	366.990	339682.547	478020.945	366.21	0.340	0.426	0.736
R6	A fost excavată zona în care era amplasată borna topografică								
R7	339434.135	477823.251	346.790	339434.12	477823.296	346.77	0.015	0.045	0.045
SS1	338802.745	477928.884	249.718	338802.703	477928.886	249.76	0.042	0.002	0.042
SS2	338785.301	477763.482	274.992	338785.338	477763.464	275.02	0.037	0.018	0.037
SS3	338840.541	477773.731	272.315	338840.516	477773.721	272.43	0.025	0.010	0.011

Monitorizare INIȚIAL				Monitorizare 18.12.2019			Diferente		
Nr.	Y[m]	X[m]	Z[m]	Y[m]	X[m]	Z[m]	dx[m]	dy[m]	dz[m]
B1	339183.653	478421.145	280.013	339183.633	478421.023	280.01	0.020	0.122	0.001
B2	339073.888	478400.714	258.494	339074.018	478400.752	258.5	0.130	0.038	0.003
B3	339114.967	478158.391	287.566	339115.129	478158.446	287.56	0.162	0.056	0.000
B4	339098.101	478321.404	276.699	339098.197	478321.313	276.69	0.096	0.089	0.000
B5	338923.474	478140.003	247.154	338923.383	478139.885	247.2	0.091	0.115	0.047
B6	338844.500	478057.974	246.599	338844.587	478057.93	246.62	0.087	0.047	0.027
B7	338931.998	477974.698	265.329	338932.053	477974.623	265.33	0.055	0.075	0.003
S1	339461.401	477922.473	343.493	339461.254	477922.553	343.42	0.147	0.080	0.070
S2	339472.12	477963.529	340.72	339471.937	477963.653	340.65	0.183	0.116	0.083
S3	339426.249	477922.494	334.943	339425.832	477922.675	334.82	0.417	0.181	0.120
R1	339609.458	477870.124	363.410	339609.484	477870.144	363.51	0.026	0.020	0.005
R2	A fost excavată zona în care era amplasată borna topografică								
R3	339720.585	477860.486	382.220	339720.583	477860.528	382.18	0.002	0.042	0.041
R4	339709.162	477935.969	381.410	339709.133	477935.977	381.39	0.029	0.008	0.040
R5	339682.887	478020.519	366.990	339682.621	478020.775	366.54	0.266	0.254	0.448
R6	A fost excavată zona în care era amplasată borna topografică								
R7	339434.135	477823.251	346.790	339434.15	477823.258	346.8	0.015	0.007	0.010
SS1	338802.745	477928.884	249.718	338802.719	477928.879	249.75	0.026	0.005	0.001
SS2	338785.301	477763.482	274.992	338785.323	477763.472	275.01	0.022	0.010	0.010
SS3	338840.541	477773.731	272.315	338840.522	477773.724	272.41	0.019	0.007	0.009

6.7 Monitorizarea deseurilor – deseuri menajere 20 03 01 colectate si ridicate de catre operatorul autorizat de salubritate SC BRAI CATA SRL in baza contractului detinut, cantitate de 6 mc/an

6.8 Deseuri de ambalaje – nu este cazul

6.9 Monitorizarea zgomotului – trei puncte de masurare cu frecventa trimestriala

Punct prelevare	Trim I	Trim II	Trim III	Trim IV	CMA
Limita amplasament – zona nord 45*47'18,4" N; 22*25'53,1" E	46.7	48.8	51.2	55.0	65 dB
Limita amplasament – zona est 45*46'53" N; 22*56'16,7" E	47.8	51.1	53.9	52.8	65 dB
Limita amplasament – zona vest 45*47'00,5" N; 22*55'38,9" E	53.7	57.5	56.2	53.9	65 dB

7. RECLAMATII

Reclamatii de mediu	Numar	Solutionare	Observatii
Reclamatii primite	-		
Reclamatii care cer o actiune corectiva	-		
Categorii de reclamatii			
• Miros			
• Zgomot			
• Apa			
• Aer			
• Procedurale			
• Diverse			

In cursul anului 2019 nu s-a inregistrat nici o reclamatie cu privire la mediu.

8. REALIZAREA MASURILOR DIN PLANUL DE ACTIUNI (valabil pentru cele cu tranzitie)

Nu este cazul

9. MASURI DISPUSE DE AUTORITATILE DE CONTROL PE LINIE DE MEDIU SI MODUL DE REZOLVARE A ACESTORA;

1. 26.11.2019; Control planificat

Masuri:

- Societatea va notifica APM Hunedoara cu privire la raportarea si gestionarea uleiurilor uzate, in conformitate cu prevederile art.5, alin.1, lit.e din HG 235/2007- frecventa semestriala si informarea GNM-CJ Hunedoara in acest sens. Termen: 03.12.2019

10. DIVERSE NOTIFICARI .

- In cursul anului 2019 nu au fost depuse notificari cu privire la oprirea si repornirea instalatiilor.

NOTA :

1. Valorile pentru emisii/imisii prezentate in acest Raport sunt valorile din buletinele de analiza ale laboratorului acreditat apartinand ALS LIFE Ploiesti.
2. Masuratorile topometrice ale pozitiilor bornelor pentru monitorizarea stabilitatii haldei au fost realizate de catre SC BELEVION GEOTOPO SRL Deva
2. Prezenta raportare contine date si valori confidentiale si nu poate fi facuta publica fara acordul scris al SC GRAND SMITHY WORKS INTERNATIONAL SRL.

Director adjuncat
Mihai Drimba



Intocmit
SC CONSAFENV SRL

A handwritten signature in black ink, appearing to be "M. V. Cristea", is written over the stamp area.