

Translated from Romanian

**Environment and Forest's Ministry
National Agency for Environment Protection**

Buzau Environment Protection Agency

ENVIRONMENTAL AUTHORIZATION

**No. 51 from 14.03.2011
Revised on date 05.06.2012
Revised on date 25.07.2013
Revised on date 26.09.2013**

Following the request submitted by ROMCARBON SA BUZAU, with the headquarter in Buzau, Street 132 Transilvaniei, Buzau County, registered at EPA Buzau under no. 7219/14.05.2013, following the analysis of submitted documents, verifying the site, under the laws: G.D. no. 48/2013 concerning organization and functioning of Minister for Environment and Climate Change, G.E.O. no. 195/2005 concerning Environment's Protection, approved by Law no. 265/2006, with all further amendments and addendum, Order MMDD no. 1798/2007 concerning the Procedure's approval to be followed when issue an ENVIRONMENTAL PERMIT and HG 699/2003 concerning establishing certain measures for reducing emissions of volatile organic compounds, as a result of organic solvents usage, in certain activities and installations, with all further amendments and addendum, we hereby issue:

ENVIRONMENTAL AUTHORIZATION

for: **SC ROMCARBON SA BUZAU**

from: mun. Buzau, 132 Transilvaniei, Buzau County

which states the conducting of following activities (according with CAEN code):

- industrial gases manufacturing
- other chemical products NMH manufacturing
- other rubber products manufacturing
- plastic plates, sheets, tubes and profile manufacturing
- plastic package articles manufacturing

CAEN code 2011
CAEN code 2059
CAEN code 2219
CAEN code 2221
CAEN code 2222

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- plastic articles for construction manufacturing	CAEN code 2223
- other plastic articles manufacturing	CAEN code 2229
- general usage equipments manufacturing	CAEN code 2829
- spare parts and accessories for vehicles and vehicle's engines	CAEN code 2932
- other equipments repairs (wood pallets repair)	CAEN code 3319
- hazardous waste collection	CAEN code 3812
- non-hazardous waste collection	CAEN code 3811
- machines repairs	CAEN code 3312

Documentation contains:

- sheet presentation and statement prepared by the holder,
- situation plan and site's area placement plan;
- balance sheet for volatile organic compounds for year 2012;
- Decommission plan for equipment that contains PCB, approved by EPA Buzau at 10.01.2011;
- Contract for supply / service of water supply and sewerage no. 30827/08.08.2008 concluded with S.A. Compania de Apa S.A.;
- Electric power supply contract no. 5433E/21.02.2013 concluded with S.C. GDF SUEZ ENERGY ROMANIA S.A.;
- Natural gas supply contract no. 3006075762/22.02.2013 concluded with S.C. GDF SUEZ ENERGY ROMANIA S.A.;
- Sanitation Service Contract no. 479/26.08.2008 closed with SC RER Ecologic Service SA Buzau, together with the addendum no. 3488/09.12.2010/9447/21.12.2010;
- Services contract no. 5/01.05.2004. closed with SC RER SERVICII ECOLOGICE SRL, concerning domestic waste storage at the appropriate storage area in Galbinasi;
- EPA approval no. 12137/26.09.2013 for disposal at deposit RER Buzau of the sludge from wastewater resulting from the process of sorting / recycling waste plastics framed on code 19.02.06.
- Service Contract no. 2797/10.09.2013 concluded with SC RECYFUEL SRL Bucharest for co-incineration in Fabrica de Ciment Fieni of waste resulted from the technological process of recycling the plastics waste: fan dust, plastic vibro – arrester, mixed plastic and metal, framed on code 19.12.12.
- Contract no. 60/03.12.2004 for sale – buying waste oils and petroleum waste, Addendum no. 2/08.12.2006, concluded with SC DYTIV SRL Ploiesti;
- Contract no. 1751/11.06.2013 concluded with SC Setcar SA for taking over, transport and disposal of hazardous waste;
- Service Contract no. 12059/01.06.2011 concluded with SC Chemical Company S.A. for taking over, transport and neutralizing dangerous chemical waste;
- Contract no. 318/23.02.2009 closed with SC Greenweee International SA for taking over, transport and capitalizing of electric and electronic equipment waste;
- Buying and Selling Contract no. 1676/05.07.2012 concluded with SC MSD SRL Buzau, on ferrous waste resulting from dismantling; addendum no. 1/13.03.2013;



Buzau);

- Report on the management of asbestos in construction of articles of asbestos and asbestos waste, as appropriate annually till January 31st.

2.4. Bulletin for noise analysis in case of complaints or claims record - transmission to Buzau EPA within 10 days of its issuance.

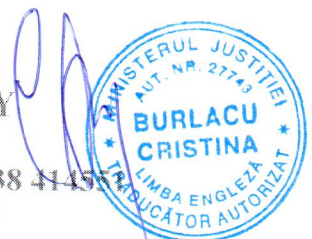
- other data required by the EPA Buzau, upon request.

Note: All reports shall be submitted also in electronic format.

IV. Mode waste management and packaging.

1. Produced wastes (types, composition, quantity):

- wood waste	03 01 05	1 to / year
- waste from producing plastic(PE,PP,PSE,VC)	07.02.13	250 to/year
- Technological ferrous scrap metal	12.01.99	100 tons/year
- filter workshop		
- Non-Ferrous metal scrap	12.01.03	1 tons/year
- paper –cardboard packaging waste	15.01.01	15 tons/year
- plastic packaging waste	15.01.02	100 tons/year
- wood packaging waste	15.01.03	100 tons/year
- filtrated paper waste	15.02.02	0.9 tons/year
- hydraulic oil waste	13.01	0.2 tons/year
- used engine oils	13.02	0.5 tons/year
- oils waste	13.03	2.3 tons/year
- Mixture of degreasing	13.07.03	3 tons/year
- Waste tires	16.01.03	0.2 tons/year
- used accumulators with pb	16.06.01	0.1 tons/year
- chemical substances waste	16.09.03, 16.05.06	0.5 tons/year
- glass waste from construction	17.02.02	0.02 tons/year
- ferrous metal scrap from dismantling	17.04.05	300 tons/year
- scrapped industrial tools	16.02.14	200 tons/year
- sludge from wastewater treatment	19.02.06	200 tons/year
- waste sorting line		
- sludge from wastewater treatment	19.08.13	1 tons/year
- galvanization workshop		
- ferrous metal scrap from waste separation	19.12.02	10 tons/year
- non-ferrous metal scrap from waste separation	19.12.03	20 tons/year
- plastic waste(fractions PS/ABS, ABS, PVC, PP/PE, PS) from	19.12.04	22000 tons/year



WEEE

- mixture of waste	19.12.12	3000 tons/year
- paper-cardboard waste	20.01.01	1 tons/year
- mixed municipal waste	20.03.01	412 tons/year

2. Collected waste (types, composition, quantity, frequency):

- plastic waste, including fractions from WEEE: 02.01.04; 07.02.13, 12.01.05, 16.01.19, 15.01.02, 17.02.03, 19.12.04, 19.12.12, 20.01.39 – 25000 tons/year;
- used active carbon from recovery of gasoline: 05.07.99, 06.13.02 – 200 tons/year;
- expired filtrate cartridge: 16.02.03, 19.09.04 - 300 tons/year;
- ferrous metallic waste: 12.01.03, 15.01.04, 16.01.18, 17.04.01 – 1610 tons/year;
- non - ferrous metallic waste: 12.01.03, 15.01.04, 16.01.18, 17.04.01 - 100 tons/year;
- cables: 17.04.11, 16.02.16 - 10 tons/year;
- wood waste: 15.01.03, 17.02.01 – 100 tons/year;
- paper-cardboard waste: 15.01.01, 19.12.01, 20.01.01 - 300 tons/year;
- waste from electrical and electronically equipment from categories: 1,2,3,4,5,6,7,8,9,10: 16.02.09*; 16.02.10*; 16.02.11*; 16.02.12*; 16.02.13*; 16.02.14*; 16.02.16; 20.01.21*; 20.01.23*; 20.01.35*; 20.01.36. – 100 tons/year;

3. Waste temporarily stored (types, composition, quantity, storage way):

Generated Waste are pre-collected at the workplace in bags, metal containers and / or plastic, bins, containers, pallets and then stored in specially designed places.

Collected wastes are stored in specially designed places

- large WEEE are collected on concrete platform;
- small WEEE are collected in metallic containers in covered storage;

4. Recoverable waste (types, composition, quantity, storage way):

Proposed methods of produced waste for recovery:

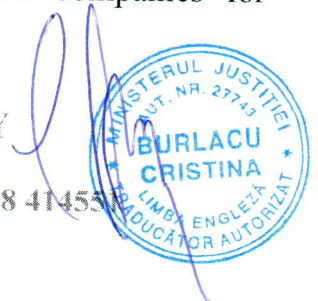
- wood and sawdust waste (03.01.05) – 1 tons / year - delivery to authorized companies for collection / recovery
- waste from produced plastic materials: PE, PP, PSE, PVC, (07.02.13) – 250 tons/year - internal recovery / recycling or delivery to authorized companies for collection / recovery
- ferrous metallic waste (12.01.99) – 100 tons/year - delivery to authorized companies for collection / recovery
- non - ferrous metallic waste (12.01.03) – 1 tons /year - delivery to authorized companies for collection / recovery
- packaging paper-cardboard waste (15.01.01) – 15 tons/year - delivery to authorized companies for collection / recovery
- packaging plastic waste (15.01.02) – 100 tons/year - internal recovery / recycling or delivery to authorized companies for collection / recovery
- wood packaging waste (15.01.03) – 100 tons/year - delivery to authorized companies for collection / recovery
- filtrated paper waste (15.02.02*) – 0.9 tons/year - delivery to authorized companies for collection / recovery



- hydraulic oil waste (13.01*) – 0.2 tons/year - delivery to authorized companies for collection / recovery
- used engine oils (13.02*) – 0.5 tons/year - delivery to services centre or delivery to authorized companies for collection / recovery
- oils waste (13.03*) – 2.3 tons/year - delivery to authorized companies for collection / recovery
- Mixture of degreasing (13.07.03*) – 3 tons/year - delivery to authorized companies for collection / recovery
- Waste tires (16.01.03_ - 0.2 tons/year - delivery to services centre or delivery to authorized companies for collection / recovery
- used accumulators with pb (16.06.04*) – 0.1 tons/year – delivery to services centre or delivery to authorized companies for collection / recovery
- glass waste from construction (17.02.02) – 0.02 tons/year - delivery to authorized companies for collection / recovery
- ferrous metal scrap from dismantling (17.04.05) – 300 tons/year - delivery to authorized companies for collection / recovery
- scrapped industrial tools (16.02.14) – 200 tons/year - delivery to authorized companies for collection / recovery
- ferrous metal scrap from waste separation (19.12.02) – 10 tons/year - delivery to authorized companies for collection / recovery
- non-ferrous metal scrap from waste separation (19*.02.03) – 20 tons/year - delivery to authorized companies for collection / recovery
- plastic waste (fractions PS/ABS, ABS, PVC, PP/PE, PS) from WEEE (19.12.04) – 22000 tons/year - internal recovery / recycling or delivery to authorized companies for collection / recovery
- mixture of waste (19.12.12) – 3000 tons/year - delivery to authorized companies for collection / recovery
- paper-cardboard waste (20.01.01) – 1 tons/year - delivery to authorized companies for collection / recovery;

Proposed methods of collected waste:

- plastic waste, including fractions from WEEE: 02.01.04; 07.02.13, 12.01.05, 16.01.19, 15.01.02, 17.02.03, 19.12.04, 19.12.12, 20.01.39 – 25000 tons/year - internal recovery / recycling or delivery to authorized companies for collection / recovery ;
- used active carbon from recovery of gasoline: 05.07.99, 06.13.02 – 200 tons/year - internal recovery / recycling;
- expired filtrate cartridge: 16.02.03, 19.09.04 - 300 tons/year - internal recovery / recycling;
- ferrous metallic waste: 12.01.03, 15.01.04, 16.01.18, 17.04.01 – 1610 tons/year - delivery to authorized companies for collection / recovery;
- non - ferrous metallic waste: 12.01.03, 15.01.04, 16.01.18, 17.04.01 - 100 tons/year - delivery to authorized companies for collection / recovery;
- cables: 17.04.11, 16.02.16 - 10 tons/year - delivery to authorized companies for collection / recovery;



- wood waste: 15.01.03, 17.02.01 – 100 tons/year;
- paper-cardboard waste: 15.01.01, 19.12.01, 20.01.01 - 300 tons/year - delivery to authorized companies for collection / recovery;
- waste from electrical and electronically equipment from categories: 1,2,3,4,5,6,7,8,9,10: 16.02.09*; 16.02.10*; 16.02.11*; 16.02.12*; 16.02.13*; 16.02.14*; 16.02.16; 20.01.21*; 20.01.23*; 20.01.35*; 20.01.36. – 100 tons/year - delivery to authorized companies for collection / recovery;

5. Mode of transport of waste and environmental measures: are made based on service contract through operators.

Waste transport will be done authorized motor vehicles, subject to mandatory provisions of ADR and GD. 1061/2008, the transport of hazardous waste and hazardous Romanian territory, through the authorized economic operator on forms approved waste transport and expedition forms for hazardous waste transport.

6. Method of disposal:

- Dispose of garbage in a landfill
- Recoverable waste will be removed through authorized operators under contract.

7. Monitoring of waste management:

- Will keep a record of waste management generated / collected in accordance with Annex no. 1 of GD no. 856/2002.
- Will keep a record of the types and quantities of waste batteries and accumulators collected in accordance with Annex no. 2 Order no. 1399/2032/2009.

8. Packaging used and results (type, quantity):

- Used:

paper and cardboard packaging - 17 tons / year

packaging polyethylene, polypropylene (bags, foil bags, pouches) - 400 tons / year;

wooden pallets and crates - 27.6 tons / year;

- Results:

Metal barrels - 50 pcs / year;

plastic barrels - 50 pcs / year

Paper bags - 0.25 tons / year;

- Fabricated:

packaging PP, PE, PES - 7000 tons / year;

9. Way of management packaging (recovery):

- metallic barrels - returns to producers and some is reused;
- Plastic barrels - is returned to the manufacturer, and some is reused;

It will keep a record of packaging and packaging waste and report data conformance with the provisions of Order no. 794/2012.

V. Way of management of dangerous substances and preparations

1. Toxic and hazardous substances used:

Crt. No.	Name of hazardous substance	Risk phrase	Medium quantity	Utilization
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