



Müllheizkraftwerk Rothensee GmbH (MHKW)
Kraftwerk- Privatweg 7
D-39126 Magdeburg

MHKW GmbH Conditions of Acceptance and Catalogue of Accepted Items

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For questions and further explanations, the Sales / Logistics department is available as follows:

Telephone: (+49) 391 587 2640 or
(+49) 391 587 2708

Fax: (+49) 391 587 1764

Email: info@mhkw-rothensee.de
dispo@mhkw-rothensee.de

Internet: www.mhkw-rothensee.de

Part A

MHKW Rothensee Conditions of Acceptance

The technical facilities at MHKW Rothensee permit the acceptance of waste whose combustion behaviour does not significantly differ from that of domestic waste and regarding which there are no concerns that it will cause damage to the plant, operating staff or environment.

Waste that by its nature or due to its quantity cannot be disposed of with household waste and which might lead to impairment of the operation of the plant, such as GRP waste and carbon fibre waste, is **excluded** from thermal treatment.

1. Non-combustible materials and waste, plus earth, construction waste, snow, ice, sand, mud, ashes and slag, to the extent that they are not mixed in a ratio of 1 : 10 with combustible waste.
2. Human and animal excreta, manure and wound dressings, nauseating or foul-smelling substances, animal cadavers, poisons, to the extent that they constitute a risk to the plant or its operating staff.
3. Liquid or volatile substances with flashpoints below 80 °C and ignition temperatures below 100 °C (see German Flammable Liquids Ordinance (VbF) in combination with EU hazardous substances legislation).
4. Highly flammable, radioactive or explosive substances or waste, e.g. fireworks, munitions and carbide residues in wet or dry state and substances that tend to spontaneously combust.
5. Bulky items of all kinds (with an edge length of over 100 cm), which cannot be reduced in size with the available tools.
6. Refrigerators, electronic waste, such as radios, televisions, computers among others (however parts of the above-mentioned items that might normally be found in household waste may be accepted).

The following additional conditions apply specifically to deliveries of industrial and commercial waste

7. No single-substance deliveries of plastic waste with flame retardants and/or containing CFC foam.
8. Deliveries of plastic waste with a volume in excess of 1 m³ in a single piece or of plastic waste with an edge length > 50 cm cannot be accepted.
9. Rolled, multi-layer, bundled wastes, such as rolls of roofing felt, rolls of carpet or bundled paper and batches of construction waste, structural elements or hardware containing a proportion of free asbestos, cannot be accepted.
10. Containers with a maximum of 50 kg or 50 l - in the form of packaged, air-tight delivery (excluded) - must be shredded and must be approved by incoming goods inspection.
11. Compact muds (loose and at least earth-moist or drier) may only be delivered upon submission of a declaration analysis and by prior agreement.
12. Declaration analysis required; max. unit size 1 m²; containers > 5 litres must be open or shredded; flashpoint > 80°C

13. Declaration analysis required; conditioned, only non-drip residual adhesions, no free liquids; containers shredded.
14. Declaration analysis required; no dusts, no bigbags.
15. The fluff-light fraction may only contain dust to the extent conditional on the technology used; a declaration analysis will be required before delivery commences.
16. If no declaration analysis is possible or sensible, a description of the origin of the waste must be provided.
17. The waste may contain PAH, timber preservatives, protective coatings or spilled oil. No quantity of roofing felt containing tar may be included. In principle, roofing felts may not be accepted. A declaration analysis prior to delivery is required; every trial delivery of waste of this nature will be checked for compliance with the constituent parts mentioned in the declaration analysis.
18. The content of volatile hydrocarbons may categorically not exceed 500 ppm (measured isobutene). Should the measured values fall within the range of 300 to 500 ppm, a decision will be made regarding rejection on a case-by-case basis based on the composition of the waste.
19. Direct deliveries from the workshop or plant waste disposal cannot be accepted. The waste must be decanted and checked and/or pre-treated (shredded). Any deviations from this rule must be agreed on a case-by-case basis with the Sales / Logistics department.

It is not permitted to feed waste pressed into bales directly into the bunker of the MHKW. Attention is drawn to the fact that strapping / packaging must be removed by the supplier/transporter prior to tipping.

We reserve the right to check deliveries by tipping in front of the bunker and carrying out controls. If we identify an infringement of the conditions of acceptance, we reserve the right to reject the delivered waste or to invoice for the cost of our expenditure. The same also applies if the waste has already been tipped into the bunker of the MHKW.

Should further restrictions become necessary in connection with the plant's operation, then the way forward in this regard will be agreed with the customer.

Part B

Permissible Types of Waste

EWC Code	Waste description	Additional conditions to be observed
02	Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing as well as food preparation and processing	
02 01	Waste from agriculture, horticulture, aquaculture, forestry, hunting and fishing	
02 01 01	Sludges from washing and cleaning	1, 2, 11
02 01 02	Animal tissue waste	2, 10, 13
02 01 03	Plant tissue waste	2, 11, 13
02 01 04	Waste plastics (except packaging)	8, 9, 10, 13
02 01 07	Waste from forestry	1, 2
02 02	Wastes from the preparation and processing of meat, fish and other foods of animal origin	
02 02 01	Sludges from washing and cleaning	1, 2, 11, 13
02 02 02	Animal tissue waste	2, 10, 13
02 02 03	Material unsuitable for consumption or processing	2, 11, 13, 16
02 02 04	Sludges from on-site effluent treatment	1, 2, 11, 13
02 03	Wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea and tobacco preparation and processing; conserve production, the production of yeast and yeast extracts as well as the preparation and fermentation of molasses	
02 03 01	Sludges from washing, cleaning, peeling, centrifuging and separation	1, 11, 13
02 03 02	Waste from preserving agents	3, 10, 12
02 03 03	Waste from solvent extraction	3, 12, 13
02 03 04	Material unsuitable for consumption or processing	2, 11, 13, 16
02 03 05	Sludges from on-site effluent treatment	1, 2, 11, 13
02 04	Wastes from sugar processing	
02 04 03	Sludges from on-site effluent treatment	1, 2, 11, 13
02 05	Wastes from the dairy products industry	
02 05 01	Material unsuitable for consumption or processing	2, 11, 13, 16
02 05 02	Sludges from on-site effluent treatment	1, 2, 11, 13
02 06	Wastes from the baking and confectionery industry	
02 06 01	Material unsuitable for consumption or processing	10, 12, 16
02 06 02	Waste from preserving agents	3, 10, 13, 16
02 06 03	Sludges from on-site effluent treatment	1, 2, 11, 13
02 07	Wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa)	
02 07 01	Waste from washing, cleaning and mechanical reduction of raw materials	1, 10, 11
02 07 02	Waste from spirits distillation	1, 10, 11
02 07 04	Material unsuitable for consumption or processing	10, 12, 16
02 07 05	Sludges from on-site effluent treatment	1, 2, 11, 13
03	Wastes from wood processing and the production of panels and furniture, pulp, paper and cardboard	
03 01	Wastes from wood processing and the production of panels and furniture	
03 01 01	Waste bark and cork	1, 5
03 01 05	Sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in 03 01 04	14
03 03	Wastes from pulp, paper and cardboard production and processing	
03 03 01	Waste bark and wood	1
03 03 05	De-inking sludges from paper recycling	11
03 03 07	Mechanically separated rejects from pulping of waste paper and cardboard	11, 13

EWC Code	Waste description	Additional conditions to be observed
03 03 08	Wastes from the sorting of paper and cardboard destined for recycling	9
03 03 10	Fibre rejects, fibre-, filler- and coating sludges from mechanical separation	11, 13
03 03 11	Sludges from on-site effluent treatment other than those mentioned in 03 03 10	1, 2, 11, 13
03 03 99	Wastes not otherwise specified	11.14
04	Wastes from the leather, fur and textile industries	
04 02	Wastes from the textile industry	
04 02 09	Wastes from composite materials (impregnated textile, elastomer, plastomer)	3, 4, 7, 10
04 02 10	Organic matter from natural products (e.g. grease, wax)	2, 3, 10
04 02 21	Waste from unprocessed textile fibres	9, 13
05	Wastes from petroleum refining, natural gas purification and pyrolytic treatment of coal	
05 01	Wastes from petroleum refining	
05 01 05*	Oil spills	10, 11, 13, 18
05 01 06*	Oily sludges from maintenance operations of the plant or equipment	10, 11, 13, 18
05 01 15*	Spent filter clays	10, 11, 13, 18
06	Wastes from inorganic chemical processes	
06 05	Sludges from on-site effluent treatment	
06 05 02*	Sludges from on-site effluent treatment containing hazardous substances	11, 13, 18
06 05 03	Sludges from on-site effluent treatment other than those mentioned in 06 05 02*	11, 13
07	Wastes from organic chemical processes	
07 02	Wastes from the MFSU of plastics, synthetic rubber and man-made fibres	
07 02 99	Wastes not otherwise specified	3, 12, 13, 14
07 05	Wastes from the MFSU of pharmaceuticals	
07 05 14	Solid wastes other than those mentioned in 07 05 13 (from the manufacture, formulation, supply and use of pharmaceuticals)	12, 13, 14, 16
07 06	Wastes from the MFSU of fats, grease, soaps, detergents disinfectants and cosmetics	
07 06 99	Wastes not otherwise specified	12, 13, 14, 16
07 07	Wastes from the MFSU of fine chemicals and chemical products not otherwise specified	
07 07 11*	Sludges from on-site effluent treatment containing hazardous substances	1, 2, 11, 13, 18
08	Wastes from the MFSU of coatings (paints, varnishes and vitreous enamels), adhesives, sealants and printing inks	
08 01	Wastes from the MFSU and removal of paint and varnish	
08 01 12	Waste paint and varnish other than those mentioned in 08 01 11*	1, 3, 11, 13, 18
08 01 14	Sludges from paint or varnish other than those mentioned in 08 01 13*	1, 3, 11, 13, 18
08 01 18	Wastes from paint or varnish removal other than those mentioned in 08 01 17*	1, 3, 11, 13, 18
08 04	Wastes from the MFSU of adhesives and sealants (including waterproofing products)	
08 04 10	Waste adhesives and sealants other than those mentioned in 08 04 09	3, 10, 11, 14, 18
10	Wastes from thermal processes	
10 01	Wastes from power stations and other combustion plants (except 19)	
10 01 01	Bottom ash, slag and boiler dust (excluding boiler dust mentioned in 10 01 04*)	1, 14
11	Wastes from chemical surface treatment and coating of metals and other materials; non-ferrous hydrometallurgy	
11 02	Wastes from non-ferrous hydrometallurgical processes	
11 02 03	Waste from the production of anodes for aqueous electrolytical processes	11, 14
15	Waste packaging, absorbents, wiping cloths, filter materials and protective clothing (n.o.s.)	

EWG code	Waste description	Additional conditions to be observed
15 01	Packaging (including separately collected municipal packaging waste)	
15 01 01	Paper and cardboard packaging	9, 14
15 01 02	Plastic packaging	7, 8, 10, 12
15 01 03	Wooden packaging	1, 5
15 01 05	Composite packaging	10, 14
15 01 06	Mixed packaging	4, 9, 13, 14
15 01 09	Textile packaging	9, 14
15 01 10*	Packaging containing residues of or contaminated by hazardous substances	9, 10, 13, 14, 18
15 02	Absorbents, filter materials, wiping cloths and protective clothing	
15 02 02*	Absorbents, filter materials (including oil filters not otherwise specified), wiping cloths and protective clothing contaminated by hazardous substances	3, 4, 12, 13, 18, 19
15 02 03	Absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02*	3, 4, 12, 13, 18, 19
16	Wastes not otherwise specified in the list	
16 01	End-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13 (oil), 14 (solvents), 16 06 (batteries) and 16 08)	
16 01 03	End-of-life tyres (rubber waste, scrap tyre shreds)	5, 14
16 01 07*	Oil filters	3, 13, 18, 19
16 01 19	Plastic	5, 7, 8, 14
16 02	Wastes from electrical and electronic equipment	
16 02 16	Components removed from discarded equipment other than those mentioned in 16 02 15	6, 7, 16
17	Construction and demolition wastes (including excavated soil from contaminated sites)	
17 02	Wood, glass and plastic	
17 02 01	Wood	1, 5
17 02 03	Plastic	5, 7, 8, 14
17 02 04*	Glass, plastic and wood containing or contaminated with hazardous substances	1, 5, 7, 8, 14, 18
17 03	Bituminous mixtures, coal tar and tarred products	
17 03 02	Bituminous mixtures other than those mentioned in 17 03 01	3, 5, 13, 18
17 06	Insulation materials and asbestos-containing construction materials	
17 06 04	Insulation materials other than those mentioned in 17 06 01 and 17 06 03	1, 5, 7, 8, 14
17 09	Other construction and demolition wastes	
17 09 03*	Other construction and demolition wastes (including mixed wastes) containing hazardous substances	1, 5, 9, 14, 17, 18
17 09 04	Mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03	1, 5, 9, 14, 17
18	Wastes from human or animal health care and/or related research (except kitchen and restaurant wastes not arising directly from health care)	
18 01	Wastes from natal care, diagnosis, treatment or prevention of disease in humans	
18 01 01	Sharps (except 18 01 03)	2, 10
18 01 04	Wastes whose collection and disposal is not subject to special requirements in order to prevent infection (for example dressings, plaster casts, linen, disposable clothing, nappies)	2, 10
18 01 09	Medicines other than those mentioned in 18 01 08	10, 14, 16
18 02	Wastes from research, diagnosis, treatment or prevention of disease involving animals	
18 02 01	Sharps (except 18 02 02)	2, 10
18 02 03	Wastes whose collection and disposal is not subject to special requirements in order to prevent infection	2, 10

EWC Code	Waste description	Additional conditions to be observed
19	Wastes from waste management facilities, off-site waste water treatment plants and the preparation of water intended for human consumption and water for industrial use	
19 01	Wastes from incineration or pyrolysis of waste	
19 01 10*	Spent activated carbon from flue-gas treatment	14
19 01 12	Bottom ash and slag other than those mentioned in 19 01 11	14
19 01 15*	Boiler dust containing hazardous substances	14
19 02	Wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)	
19 02 03	Premixed wastes composed only of non-hazardous wastes	1, 3, 4, 13
19 02 04*	Premixed wastes composed of at least one hazardous waste	1, 3, 4, 13, 18
19 02 05*	Sludges from physico/chemical treatment containing hazardous substances	1, 3, 4, 11, 13, 18
19 02 06	Sludges from physico/chemical treatment other than those mentioned in 19 02 05*	1, 3, 4, 11, 13
19 02 10	Combustible wastes other than those mentioned in 19 02 08 and 19 02 09	1, 3, 4, 11, 13
19 05	Wastes from the aerobic treatment of solid wastes	
19 05 01	Non-composted fraction of municipal and similar wastes	1, 2
19 05 02	Non-composted fraction of animal and vegetable waste	1, 2
19 05 03	Off-specification compost	1, 2
19 06	Wastes from anaerobic treatment of waste	
19 06 04	Digestate from anaerobic treatment of municipal waste	1, 2, 11
19 06 06	Digestate from anaerobic treatment of animal and vegetable waste	1, 2, 11
19 08	Wastes from waste water treatment plants not otherwise specified	
19 08 01	Screenings	1, 2, 11
19 08 05	Sludges from treatment of urban waste water	1, 2, 11
19 08 06*	Saturated or spent ion exchange resins	1, 14
19 08 11*	Sludges containing hazardous substances from biological treatment of industrial waste water	1, 2, 11, 18
19 08 12	Sludges from biological treatment of industrial waste water other than those mentioned in 19 08 11*	1, 2, 11
19 08 13*	Sludges containing hazardous substances from other treatment of industrial waste water	1, 2, 11, 18
19 08 14	Sludges from other treatment of industrial waste water other than those mentioned in 19 08 13*	1, 2, 11
19 09	Wastes from the preparation of water intended for human consumption or water for industrial use	
19 09 01	Solid waste from primary filtration and screenings	1, 2, 11
19 09 02	Sludges from water clarification	1, 2, 11
19 09 04	Spent activated carbon	4, 14
19 09 05	Saturated or spent ion exchange resins	4, 14
19 10	Wastes from shredding of metal-containing wastes	
19 10 03*	Fluff-light fraction and dust containing hazardous substances	15, 18
19 10 04	Fluff-light fractions and dust other than those mentioned in 19 10 03	15,
19 12	Wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified	
19 12 01	Paper and cardboard	9
19 12 04	Plastic and rubber	5, 7, 8, 14
19 12 06*	Wood containing hazardous substances	5, 14, 18
19 12 07	Wood other than that mentioned in 19 12 06	5, 14
19 12 08	Textiles	9
19 12 10	Combustible waste (refuse derived fuel)	9.14

EWC Code	Waste description	Additional conditions to be observed
19 12 11*	Other wastes (including mixtures of materials) from the mechanical treatment of waste containing hazardous substances other than those mentioned in 19 12 11,	1, 5, 9, 10, 13, 14, 16, 17, 18
19 12 12	Other wastes (including mixtures of materials) from the mechanical treatment of wastes other than those mentioned in 19 12 11	1, 5, 9, 10, 13, 14,
20	<i>Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions</i>	
20 01	Separately collected fractions (except 15 01)	
20 01 01	Paper and cardboard	9
20 01 08	Biodegradable kitchen and canteen waste	2,
20 01 10	Clothes	9
20 01 11	Textiles	9
20 01 25	Edible oil and fat	2, 3, 10, 11, 13
20 01 28	Paint, inks, adhesives and resins other than those mentioned in 20 01 27	3, 10, 14, 18
20 01 30	Detergents other than those mentioned in 20 01 29	10, 12, 18
20 01 32	Medicines other than those mentioned in 20 01 31	10, 12, 16
20 01 38	Wood other than that mentioned in 20 01 37	5
20 01 39	Plastics	5, 7, 8, 14
20 01 41	Wastes from chimney sweeping	14
20 02	Garden and park wastes (including cemetery waste)	
20 02 03	Other non-biodegradable wastes	5, 14, 16
20 03	Other municipal wastes	
20 03 01	Mixed municipal waste	1, 2, 5, 6, 14
20 03 02	Waste from markets	2, 5
20 03 03	Street cleaning residues	2, 5
20 03 07	Bulky waste	5, 6, 9
20 03 99	Municipal wastes not otherwise specified	1, 2, 5, 6, 14

Note: The catalogue of accepted waste will be updated where required.

Part C

The following parameter analyses must be provided upon request from MHKW in order for the waste to be evaluated

Parameter	For hazardous waste
Antimony	< 2,500 mg/kg
Arsenic	< 1,000 mg/kg
Lead ¹	< 5,000 mg/kg
Cadmium	< 100 mg/kg
Chromium, total	< 2,500 mg/kg
Copper ¹	< 15,000 mg/kg
Nickel	< 2,500 mg/kg
Mercury	< 1.5 mg/kg
Selenium	< 2,500 mg/kg
Thallium	< 1,000 mg/kg
Zinc ¹	< 25,000 mg/kg
PAH	< 5,000 mg/kg
PCP	< 50 mg/kg
Chlorobenzene	< 50 mg/kg
BTEX	< 1,000 mg/kg
POPs	< 50 mg/kg
Tin, from organic compounds	< 500 mg/kg
PCB	< 50 mg/kg
Dioxins/Furans ²	< 1,000 ng I-TE/kg
Chlorine	< 30,000 mg/kg
Sulphur	< 30,000 mg/kg
Cyanide	< 1,000 mg/kg

¹ Should one of the parameters for Pb, Cu or Zn exceed the threshold value, but the total of these 3 parameters fall below 45,000 mg/kg, then the waste may be accepted.

² The dioxin/furan content should only be determined in well-founded suspicious cases.

The scope of analysis will be defined in advance on a case-by-case basis by MHKW.