

ACCEPTANCE CRITERIA

Processing route 01

The most up-to-date acceptance criteria can be found on the Renewi website:
<https://www.renewi.com/nl-be/acceptatievoorwaarden-roeselare-en>.

These acceptance criteria include either limit values ('L')¹ or guidance values ('G')² for the various criteria.

Renewi reserves the right to impose adjusted limit values and/or guidance values for specific waste streams, without exceeding the legal obligations. These adjusted values are always explicitly mentioned in the offer.

1. General acceptance criteria for the waste offered

The waste must be capable of undergoing physicochemical and biological treatment.

Criterion	Value	L / G
Maximum temperature of the waste	50 °C	L
Flash point	> 60 °C ³	G
Total chlorine content	2 %	G
Total sulphur content	3 %	G

2. Acceptance criteria calculated on 40% dry matter

The following formula should be applied for assessing compliance with the specified limit and guidance values:

$$\text{Concentration in waste} \times \frac{\text{Dry matter waste}}{40} < \text{Limit/Guide value}$$

Criterion	Value	L / G
Salts of hydrogen cyanide	100 ppm	L
Chlorine-oxidisable cyanides	250 mg/kg	L
Sum of fluorine, bromine and iodine (F + Br + I)	2.000 mg/kg	L
Nitriles	800 ppm	L
Cadmium	70 mg/kg	L
Mercury	5 mg/kg	L
Lead	1.000 mg/kg	L
Nickel	1.000 mg/kg	L
Cobalt	200 mg/kg	L
Arsenic	200 mg/kg	L
Chromium	1.000 mg/kg	L
Copper	1.000 mg/kg	L
Manganese	2.000 mg/kg	L

¹ An acceptance limit value indicates the maximum concentration or upper limit that may be accepted for the waste stream

² An acceptance guidance value indicates the order of magnitude of the concentration to be accepted for the waste stream

³ Exceptionally, wastewater with flash point < 60 °C may be accepted if the following criteria are met: temperature of the wastewater is at least 15 °C below the flash point and the flash point is ≥ 40 °C.

Criterion	Value	L / G
Antimony	200 mg/kg	L
Tin	1.000 mg/kg	L
Vanadium	1.000 mg/kg	L
Zinc	5.000 mg/kg	L

3. Acceptance criteria for the filtrate after physicochemical treatment

Criterion	Value	L / G
<u>Metals</u>		
Cadmium	1,9 µg/l	G
Mercury	1,6 µg/l	G
Lead	150 µg/l	G
Nickel	530 µg/l	L
Cobalt	93 µg/l	L
Selenium	170 µg/l	G
Thallium	0,2 µg/l	L
Uranium	1 µg/l	L
<u>Volatile organic components (VOCs)</u>		
Chloroform	945 µg/l	G
1-2, dichloroethane	35 µg/l	G
Dichloromethane	958 µg/l	G
Trichloroethylene	120 µg/l	G
<u>Polycyclic aromatic hydrocarbons (PAHs)</u>		
Naphthalene	400 µg/l	L
Acenaphthylene	24 µg/l	L
Acenaphthene	1,9 µg/l	L
Fluorine	57 µg/l	L
Benzo(a)pyrene	1,2 µg/l	G
Phenanthrene	6,4 µg/l	G
Anthracene	3,4 µg/l	G
Fluoranthene	16 µg/l	G
Pyrene	15 µg/l	G
Benzo(a)anthracene	19 µg/l	G
Chrysene	104 µg/l	G
Sum of benzo(b) and benzo(k) fluoranthene	0,103 µg/l	G
Benzo(ghi)perylene	0,063 µg/l	G
Indeno(1,2,3-c,d)pyrene	0,013 µg/l	G
Dibenzo(a,h)anthracene	33 µg/l	G
<u>Phenols</u>		
Nonylphenol	0,44 µg/l	G
Pentachlorophenol	29 µg/l	L
Bisphenol A	2.326 µg/l	L

Criterion	Value	L / G
4-tert-octylphenol	17 µg/l	L
<u>Phthalates</u>		
Di(2-ethylhexyl)-phtalate	5,4 µg/l	G
<u>Other parameters</u>		
C10-13 chloroalkanes	14 µg/l	G
Benzene	1.350 µg/l	G
Non-ionic detergents	23 mg/l	G
Total cyanides	143 µg/l	L
<u>Biological removability</u>		
Zahn-Wellens biodegradability test (7 or 28 days)	≥ 70%	L

4. Undesirable and prohibited (waste) substances

A number of (waste) substances are undesirable or prohibited.

Category	
Foreign objects (e.g. pieces of plastic, glass, wood, concrete, metal, cloths,...) that can cause damage to the installation	Undesirable
Waste containing asbestos	Prohibited
Animal by-products	Prohibited
Radioactive waste and/or waste emitting ionising radiation	Prohibited
Infectious substances	Prohibited
Hazardous medical waste and non-hazardous medical waste	Prohibited
Substances that have a toxic effect on biological water purification (e.g. thio-urea, dithiocarbamates,...)	Prohibited
Not previously named substances subject to the POPs Regulation ⁴	Prohibited
Pesticides and other plant protection products	Prohibited
Tear-inducing waste	Undesirable
Named hazardous substances from Part 2 of Annex 1 of Seveso III ⁵ , with the exception of petroleum products and mixtures of sodium hypochlorite	Undesirable
Substances with a low odour threshold that can cause odour nuisance (e.g. sulphur compounds, acrylates, mercaptans, amines, amides, certain aldehydes, styrene, butyric acid,...)	Undesirable
Waste materials which may react with each other or produce explosive mixtures or toxic fumes upon combustion (e.g. perchlorates, peroxides,...)	Undesirable

⁴ Regulation EU 2019/1021 on persistent organic pollutants, and amendments

⁵ Cooperation agreement of 16/02/2016 on control of major-accident hazards involving dangerous substances