



Waste Acceptance Criteria

Indaver, leading the field in sustainable waste management

Indaver's Meath Waste-to-Energy facility, located just off the M1 near Duleek, is the first of its kind in Ireland and designed to process circa 200,000 tonnes of residual waste a year. Meath Waste-to-Energy generates 18MW of electricity per hour for export, enough to supply more than 20,000 homes.

Meath

Meath Waste-to-Energy is helping Ireland to meet national and EU environmental obligations. It also helps to meet renewable energy targets and improve energy security thereby improving the economy.

Waste that can be accepted

- Non-hazardous residual municipal waste (MSW)
- Non-hazardous commercial and industrial waste
- Sewage and industrial sludge
- Non-hazardous aqueous wastes
- Sensitive waste (such as obsolete product, category 1,2 & 3-type waste under the animal by-product regulations etc)
- Construction & demolition waste (treatment and removal of organic contamination)

Waste that cannot be accepted

- Radioactive waste products
- Source segregated recyclable materials, unless by agreement with EPA (i.e. due to contamination or a failure in the recycling market)
- Bulky waste i.e. mattresses, furniture etc.



Municipal Solid Waste

Meath Waste-to-Energy is primarily designed to accept and treat Municipal Solid Waste (MSW). We can directly accept all municipal 'black bin' waste (as defined in Municipal Solid Waste – Pre-treatment & Residual Management, An EPA Technical Guidance Document; Indaver Waste Licence WO167-2 and Local Authority Collection Permits), including the residual biodegradable fraction that is being progressively banned from landfill.

Contact us or view Schedule A of the waste licence on www.Indaver.ie for a full list of acceptable waste streams by European Waste Catalogue (EWC) code. This list includes circa 260 EWC codes which cover most non-hazardous waste streams.



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Commercial & Industrial Waste

Meath Waste-to-Energy can also accept a wide range of industrial, commercial and other waste types. Such waste types may require additional analysis as they are subject to additional acceptance criteria.

Physical Limits

The plant has some restrictions on the physical properties (shape, size and density) of waste that can be accepted. These are detailed below.

Size

The facility can accept waste with the following dimensions:

- Cubes up to 0.5m x 0.5m x 0.5m
- Beams up to 1m x 0.1m x 0.1m
- Plates up to 1m x 1m x 0.1m

Larger, bulky waste which exceeds these dimensions will require shredding prior to acceptance on site.

Shape

Long strings (e.g. ropes, cords etc.) up to 5 metres in length can be accepted. Longer material will require shredding prior to acceptance on site.

Waste containers up to 60L in size (or within dimensions outlined above, whichever is smaller) can be accepted. They must be drained of liquids. Larger containers will require shredding prior to acceptance on site.

Cylinders and spheres (other than those made from cardboard) will require shredding prior to acceptance.

Density

Bales of waste are generally too dense to burn but can be accepted if shredded or broken out prior to acceptance. Other dense materials may require shredding or similar manipulation prior to acceptance on site.



Chemical limits

New waste streams that are not MSW or similar should be tested in a laboratory against the criteria below. The following table lists the target criteria for waste acceptance. Deviations may be accepted following discussion and trials. This test is referred to as the Indaver WAC test.

Applies to all waste streams		Applies to mono-streams	
CV (Calorific Value)	8-14MJ/kg	Metals	
Moisture content	Limited	Hg (Mercury)	max. 10ppm
Dust content	Limited	Cd (Cadmium)	max. 20ppm
Ash content	Limited	Se (Selenium)	max. 20ppm
Temperature	max ambient	Tl (Thallium)	max. 20ppm
Flash point	Above 55°	Mo (Molybdenum)	max. 30ppm
Cl (Chlorine)	max. 4%	Ni (Nickel)	max. 60ppm
S (Sulphur)	max. 3%	Co (Cobalt)	max. 60ppm
F (Fluorine)	max. 0.4%	As (Arsenic)	max. 100ppm
Br (Bromine)	max. 0.5%	Be (Beryllium)	max. 100ppm
I (Iodine)	max. 0.5%	Cu (Copper)	max. 100ppm
P (Phosphorous)	max. 0.5%	Sb (Antimony)	max. 100ppm
PCB (Polychlorinated biphenyls)	max. 10ppm	Sn (Tin)	max. 200ppm
PCT (Polychlorinated terphenyls)	max. 10ppm	Cr (Chromium)	max. 300ppm
Metals that can damage the furnace		V (Vanadium)	max. 300ppm
Na (Sodium)	max. 2.5%	Pb (lead)	max. 1000ppm
K (Potassium)	max. 2.5%	Zn (Zinc)	max. 1000ppm

Unacceptable waste

Waste that is dangerous to the plant or to personnel working for Indaver cannot be accepted. This includes volatile, flammable or explosive waste. It also includes chemicals, acids, radioactive waste and biologically contaminated waste.

Contact details:

For more information on Meath Waste-to-Energy please contact us

on 01 280 4534 or email info@indaver.ie Web: www.indaver.ie