



Revas
Viborg Kommune - vi aktiverer dit affald

Reference book

*Waste Management in regards
to demolition and construction,
Viborg Municipality*

June 2017

1. DANISH WASTE LEGISLATION

Domestic waste from businesses

Domestic waste from businesses is perishable waste that may cause problems related to odour, insects or vermin. This is, for instance, soiled packaging and similar items, including food waste from diners, institutions, restaurants, trade and offices, as well as industry etc. Domestic waste from businesses is incinerated.

All businesses, public and private institutions etc. generating domestic waste must register under one of the authorized domestic waste collection services. Alternatively, businesses may enter into contract directly with an approved waste collector/carrier for the transportation of domestic waste from businesses and/or food waste.

Domestic waste from businesses must be kept separate from other types of waste for incineration, and it must always be separated, regardless of quantities generated.

Recyclable waste

Recyclable waste from businesses includes, for instance, paper, cardboard, plastics, metal, glass, textiles, and garden waste.

Under Danish law, it is not possible to establish municipal services for the collection of source-separated recyclable waste from businesses. Businesses must enter agreements directly with approved re-processing plants for recyclable waste, or other registered waste handlers.

Businesses may use the Danish National Waste Register via the Danish Energy Agency's website to find information about recycling industries. Revas is available to assist in identifying approved waste operators/waste collectors in your area.

Construction and demolition waste

Construction and demolition waste includes all types of waste generated in construction works, including materials from clean-up, excavation, building, renovation, demolition, and road works. All waste from building and construction works must be source-separated, and whenever possible, all directly reusable materials must be sorted through selective demolition on site.

Private and professional developers are obligated to identify PCB in buildings and structures. In addition and if relevant, they must map and report on building waste during the demolition or renovation of buildings. See the following paragraph "PCB screening in renovation and demolition".

Construction and demolition waste must, as a minimum requirement, be sorted into the following fractions in accordance with Danish Waste Legislation:

- 1) Natural stones, e.g. granite and flint.
- 2) Non-glazed tiles (bricks and roofing tiles).
- 3) Concrete.
- 4) Mixtures of materials of natural stones, non-glazed tiles, and concrete.
- 5) Ferrous and non-ferrous metals.
- 6) Gypsum.
- 7) Rockwool.
- 8) Soil.
- 9) Asphalt.
- 10) Mixtures of concrete and asphalt.

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PCB screening in renovation and demolition

Buildings must be screened for materials containing PCB, if they were constructed in the period 1950-1977, if the construction works cover more than 10 m² of a building, or if the work generates more than 1 tonne of waste.

PCB screenings must also be carried out during the replacement of thermo panes produced in the period 1950-1977, as per Danish Waste Legislation.

Forms for the identification of PCB and for reporting building waste

Forms for the identification of PCB and forms for reporting building waste (in Danish) can be found via Viborg Municipality's website "Anmeldelse af bygge- og anlægsaffald samt screening for PCB-holdigt affald" (Danish only).

The form must be submitted to byggeriogmiljoe@viborg.dk no later than two weeks prior to commencement of construction works. Please contact for more information:

Teknik & Miljø Byggeri og Miljø

Tlf: 87 87 56 09

Mail: byggeriogmiljoe@viborg.dk

Secure mail: sikkerpost@viborg.dk

Prinsens Alle 5

8800 Viborg

Regardless of using a hired consultant, contractor, or craftsman to manage and carry out the construction work, it remains your responsibility as the developer to make sure that reporting is done correctly.

If you do not own the building from where the construction and demolition waste is generated (if you are a contractor or similar), forms for the identification of PCB and forms for reporting building waste (in Danish) can be found via Viborg Municipality's website "Anmeldelse af bygge- og anlægsaffald samt screening for PCB-holdigt affald" (Danish only).

2. PRACTICAL GUIDE

Businesses in the construction and demolition industry often need to dispose of the following types of waste:

- Domestic waste
- Construction and demolition waste
- Hazardous waste

Domestic waste from businesses

Domestic waste from businesses is waste generated in the production or service of the business, whether this takes place onsite or at another location.

Domestic waste from businesses must be separated from other waste types for incineration, regardless of the quantities generated.

Collection services

The business can choose between a municipal and a private collection service. If requested, the waste producer must be able to present documentation of delivery of domestic waste from businesses to Revas.

Under the municipal service, Revas can offer domestic waste containers and collection services directly from the construction site/trailer site. Containers are available in different volumes. Please contact Revas for more information and registration.

For a private collection service, businesses may refer to the Danish National Waste Register.

Disposal

All domestic waste from businesses generated in Viborg Municipality must be disposed of through Revas. Collected domestic waste is reloaded at Revas Waste Centre, Kirkebækvej 136, 8800 Viborg, and is taken directly to incineration (energy recovery).

Viborg Municipality/Revas has entered into contract with the intermunicipal company "Energnist", in charge of the management of all waste for incineration generated in Viborg municipality. Please contact Revas for more information.

Payment

Payment for the municipal domestic waste collection service is managed via direct invoicing four times annually, directly to the business indicated (CVR number). See Domestic Waste fees on Revas' website or please contact Revas for more information.

Domestic waste for recycling

Revas manages "igloos" for residents to deposit PET plastic bottles, glass, aluminium cans, and paper wastes, on several locations around the municipality. Igloos may also be placed and emptied at the construction site/trailer site.

In the igloos you can drop the following waste types for recycling:

Glass

Wine and spirit bottles - (empty)
 Glass jars - (empty and cleaned - with or without a lid)
 Aluminium cans - (beer and soda)
 Soft plastic bottles - (only those marked with PET at the bottom)

Paper

Newspapers
 Weeklies
 Unsolicited mail
 (not soiled or wet)

Revas can also supply igloos for clean cardboard.

Igloos are for recyclable domestic waste from businesses, and may not be used for construction waste.

Construction and demolition waste

Businesses are responsible for ensuring correct waste management for their wastes.

It is a precondition for the correct management and disposal of construction and demolition waste, that a screening report is made available by the project developer. The report should include an inspection of the waste with regard to environmentally harmful substances. The screening form is available on Viborg Municipality's website "Anmeldelse af bygge- og anlægsaffald samt screening for PCB-holdigt affald" (Danish only).

Based on the individual analysis data, waste is classified into clean, contaminated, or hazardous waste types. Viborg Municipality/Revas may authorize alternative disposal of the materials in compliance with current legislation. This is evaluated case by case. Please contact Revas for more information.

Regarding collection of construction and demolition waste, businesses may refer to the Danish National Waste Register. Viborg Municipality/Revas cannot offer containers or collection services for waste from businesses in general, apart from domestic waste and hazardous waste. Please contact Revas for assistance in identifying approved waste operators/waste collectors in your area.

Waste suitable for recycling

Businesses with waste production must ensure that substantial parts of their source-separated commercial waste suitable for material recovery are prepared for reuse, recycling or used for final material recovery. This includes recyclable PVC waste, waste from recyclable paper, cardboard, carton, and cardboard materials and products of such materials as well as recyclable waste packaging of glass, plastic, metal, and wood.

Viborg Municipality/Revas does not offer containers or collection services for waste from businesses in general, apart from domestic waste and hazardous waste. Please contact Revas for assistance in identifying approved waste operators/waste collectors in your area.

Waste suitable for incineration

All waste suitable for incineration generated in Viborg municipality must be delivered to an approved reception facility via Revas. Based on the individual analysis data, Viborg Municipality/Revas may authorize direct delivery to another approved reception facility. This is evaluated and approved case by case. Please contact Revas at tel. +45 8661 3955 for more information.

Waste suitable for landfill

All waste suitable for landfill generated in Viborg municipality must be delivered to Revas. Waste suitable for landfill is sorted further, reloaded and taken to an approved reception facility. Based on the individual analysis data, Viborg Municipality/Revas may authorize direct delivery to another approved reception facility.

Declaration form

Prior to direct delivery to another reception facility, a declaration must be drawn up for every single load. The declaration form can be requested from Revas and it must follow the waste to the reception facility. This is evaluated and approved case by case. Please contact Revas at tel. +45 8661 3955 for more information.

Viborg Municipality/Revas has entered into contract with the intermunicipal company Nomi4S, Hjermevej 19, 7500 Holstebro about the disposal of waste suitable for landfill to an approved reception facility. A declaration form from Revas is needed prior to direct transport to this facility.

Leaflet on separation guidelines for download

Revas has produced a leaflet with specific separation guidelines covering non-hazardous construction and demolition waste.



Download the leaflet from Revas' website:

http://www.revas.dk/downloads/Sorteringsvejledning_2017_UK.pdf

The guidelines are not exhaustive; see also supplements in Appendices 1 and 2.

3. SIGNS, LABELS AND ICONS

Revas can supply a digital file with printable signs in Danish and English. The signs can be used for the identification of separated waste fractions that are generated at the site of demolition/construction.

Please contact Revas for further details.



Hazardous waste

Hazardous waste is waste defined as hazardous waste in the Danish Waste Legislation and is non-recyclable, with the exception of explosive waste.

Special provisions regarding duty of notification

All new waste producers generating hazardous waste must notify Viborg Municipality of this waste.

Notification form

A notification form for hazardous waste is available via Viborg Municipality's website "Anmeldelse af bygge- og anlægsaffald samt screening for PCB-holdigt affald" (Danish only). All waste producers must alert the municipality in case of substantial changes in the quantity, composition, or properties of the waste.

The Hazardous Waste Centre of Revas can accept or, alternatively, assign all hazardous waste to an approved reception facility, with the exception of explosives and radioactive substances. Please contact Revas at tel. +45 8661 3955 for more information.

Transport

Dangerous goods must be transported in accordance with the ADR Convention. For dangerous goods, special handling and approved packaging are required. Revas is available to assist in preparing the requested transport documents and supplying information and guidance about packaging of hazardous waste. In addition, the Hazardous Waste Centre can supply UN approved packaging, and the hazardous waste collection truck of the centre is available for collection of hazardous waste from the waste producer.

Please contact Revas for more information.

Exemption

The waste producer can apply for exemption from the collection service if he can substantiate that he has arranged for handling of the hazardous waste in an environmentally safe manner and that the non-recyclable hazardous waste is delivered to collection facilities registered in the National Waste Register.

For applications for exemption, please contact Viborg Municipality/Teknik & Miljø:

Teknik & Miljø

Byggeri og Miljø

Tlf.: 87 87 56 09

Mail: byggeriogmiljoe@viborg.dk

Secure mail: sikkerpost@viborg.dk

Prinsens Alle 5, 8800 Viborg

The exemption applies for the duration of the agreement between the business and the approved facility or in cases where the business itself has a relevant facility for the waste type in question.

4. LINKS TO RELEVANT INFORMATION SOURCES

Forms used for

- Hazardous waste notification
- Screening/PCB identification
- Reporting building waste

www.kombit.dk/sites/default/files/user_upload/documents/Byg_Miljo/Anmeldesskema%20for%20byggeaffald.pdf

The ADR Convention 2017 (ADR-konventionen)

www.politi.dk/da/borgerservice/Fardsel/tunge_koeretoer/ADR_konventionen/

The Danish Environmental Protection Agency (Miljøstyrelsen)

eng.mst.dk/

The Danish Energy Agency (Energistyrelsen)

ens.dk/en

The Danish National Waste Register (Affaldsregistret)

ens.dk/en/our-responsibilities/waste

Danish waste legislation,

Statutory Order no. 1309 of December 18, 2012 on Waste (Affaldsbekendtgørelsen)
www.retsinformation.dk/forms/r0710.aspx?id=144826

Domestic waste fees 2017 (households and businesses)

http://www.revas.dk/downloads/dagrenovation_2017_UK.pdf

Leaflet on separation guidelines, for download

www.revas.dk/downloads/Sorteringsvejledning_2017_UK.pdf

Reporting building waste – information

<http://kommune.viborg.dk/Erhverv/Virksomheder-miljoe/Affald/Bygge-og-anlaegsaffald/Anmeldelse-af-bygge-og-anlaegsaffald>

Revas

revas.dk

Viborg Municipality

viborg.dk

Viborg Municipality, Byggeri og Miljø

kommune.viborg.dk/Erhverv/Virksomheder-miljoe

Contacts

Revas
tel. +45 8661 3955

Byggeri og Miljø, Viborg Municipality
tel. +45 8787 5609

APPENDIX 1.

Reception criteria with Revas – special provisions for construction and demolition waste containing PCB

All PCB waste must be reported to and/or administered via Viborg Municipality/Revas according to the following guidelines. For additional guidelines/requirements regarding commercial waste, businesses may refer to the Danish National Waste Register. Revas is available to assist in identifying approved waste operators/waste collectors in your area.

Reception of construction and demolition waste containing PCB received at the Revas Waste Centre

In accordance with waste legislation, the Waste Centre must separately manage construction and demolition waste containing PCB. The Waste Centre receives waste with a content of PCB between 0.1 and 50 mg/kg, and this waste is treated and disposed of separately from other wastes.

Contact person at Revas is Anne Nørgaard. tel. +45 8661 3955.

The following directions apply to waste with PCB contents between the limit values 0.1 to 50 mg/kg:

Packaging: Waste suitable for landfill containing PCB within the limit values

Must be packed to avoid dust and spreading to the surroundings; mechanical handling must be possible. Waste must carry clear PCB marking. Weighbridge staff will assign a location for the waste.

Packaging: Waste for incineration containing PCB within the limit values

Must be packed whenever possible to avoid dust and spreading to the surroundings. Mechanical handling must be possible. Waste must carry clear PCB marking. Weighbridge staff will assign a location for the waste.

If the waste suitable for incineration is of such nature that it is not suitable for packing, please contact Revas for further guidance before transport to the Waste Centre.

Windows and doors with glass, frames and grouts containing PCB within the limit values

Delivered and weighed as a separate fraction to container for PCB windows/doors at the Waste Centre. Weighbridge staff will assign a location for the waste. This solution is recommended only for small quantities of windows/doors containing PCB.

Alternatively, waste is assigned for direct delivery to approved reception facility. Before any direct delivery Revas must produce a declaration.

PCB waste with limit values > 50 mg/kg

If waste contaminated with PCB contains more than 50 mg/kg, it must be treated as hazardous waste. All transports are considered case by case.

Please contact the Hazardous Waste Centre for further guidance. Contact person at Revas is Jytte Serup, tel. +45 8661 3955.

APPENDIX 2.

Reception criteria for selected types of construction and demolition waste

In the following table you can find an outline of the Waste Centre's reception criteria for selected types of construction and demolition waste.

Waste type	Reception criteria/comment
Dust-emitting waste – general	Dust-emitting waste must be packed to prevent dust from spreading during unloading. Use, e.g., Bigbags/plastic packaging.
Asbestos/eternit slates	Unbroken asbestos/eternit slates must be stacked on pallets that allow for mechanical handling. Small pieces/fines must be packed, e.g. in Bigbags to allow for mechanical handling. Waste type: Roofing sheets/wall sheets/pipe insulation etc.
Roofing sheets without asbestos	Received and handled as waste containing asbestos.
Gypsum/plaster – cuttings of new boards (major quantities)	Drop off for recycling.
Gypsum/plaster – from demolition/refurbishment	May NOT contain insulation, wood/laths or metal rails. May contain nails and screws.
Gypsum/plaster - wet	Wet gypsum/plaster must be disposed of to landfill.