



Hagby



Hagby – an important place once more

All around Hagby in the Municipality of Täby, there are remains to be found from the 1000s and the 1900s: rune stones from the Viking Age and a refuse site from more modern times.

Today, however, refuse is no longer simply dumped at Hagby. Instead, the area is now a giant recycling centre.

Like the rune stones, the old tip will be around for a very long time. It contains refuse that has been deposited here from the end of the 1940s until 1995 – a reflection of the history of that age.

A site once used for landfill has now become an eco-park and a highly efficient recycling centre.

This brochure explains how the Hagby Recycling Plant functions.



In the immediate vicinity of Vallentuna, where SÖRAB runs its operations, there are plenty of remains from ages passed. Many of the rune stones in this area tell of life around the year 1000. From these stones, we can learn about the people who once lived here.

Inspired by the idea of leaving durable messages for future generations, SÖRAB had a stone inscribed and raised to mark the official opening of the new plant in Löt, Vallentuna, in 1995.



The stone to the left, which is one of many by a road in Vallentuna, features the following inscription: Inga raised these stones in memory of Ragnfast.



Welcome to Hagby Recycling Plant

SÖRAB's facilities are visited by around 100,000 vehicles every year. Of these, approximately 75,000 visit the Hagby plant.

The weighing process forms the basis for the fee we charge for handling the refuse, with recyclable material sorted at source having the lowest fee, and mixed, badly sorted waste the most expensive. The intention behind the fees is to cover the processing of the waste, and to encourage sorting of the waste into individual material categories (or "fractions", as we call them).

Customer reception

After weighing, our customer reception staff direct the vehicles to the appropriate part of the facility, depending on the type of load they are carrying. At the customer reception centre, customers can enjoy a cup of coffee or ask for assistance with specific issues.

Sorting area

The sorting area is an asphalt surface the size of four football pitches.

This is where bulky waste and construction and industrial waste are sorted. Wood and metal are sorted using excavators fitted with grabs. Wood is chipped to make fuel on site at the plant. Metal is sorted into different categories, which are sent to a fragmentation facility and then on for recycling.

Mixed combustible material is also extracted. This waste is compacted on site and then transported to a special incineration plant. The material SÖRAB supplies is used to generate



approximately 125 GWh per year. What remains after the sorting process is loaded into containers and transported to the SÖRAB facility in Löt, where it is deposited as landfill.

Transfer

In order to avoid unnecessary and long transportation in refuse trucks, household refuse is transferred here at Hagby. The waste is compressed and loaded into large containers that hold 10 tons each. These are then transported – three at a time – to an incineration plant, where the waste is burned and used for district heating.

Hagby is one of several transfer stations in the area. In total, around 90,000 tons of household waste are sent for incineration each year. The energy generated from the waste supplied by SÖRAB totals approx. 215 GWh. When the need for fuel is low, the refuse is packed in bales at Löt, Vallentuna, and stored until it can be disposed of.

The recycling centre

At the recycling centre, private citizens can deposit their sorted bulky waste at no extra charge. Small business owners can also deposit their sorted waste here if they purchase a “value ticket”.

At our recycling centres in the region, we handle more than 70,000 tons of waste a year. Of this, more than half (51,5 %) is sent for material recycling, while 8 % is used for composting, 27,5 % for incineration and 13 % for landfill – and some of this is actually used as construction material.





Hazardous waste

The handling, transport and processing of hazardous waste requires a special permit. The Hagby plant accepts hazardous waste from private citizens at the recycling centre, and small volumes from small businesses through a separate reception point. Waste of this kind is temporarily stored until it can be transported to special facilities that deal with environmentally hazardous material.

Electric waste

A few years ago, it became law that all electric and electronic waste, including light sources, had to be processed separately so that it could be dismantled by certified companies. Hazardous components are removed and dealt with in an environmentally responsible manner, while materials such as metal and plastic are recycled.

At Hagby, the recycling centre also functions as a reception point for waste from households and small businesses. The facility also has a reception point for companies with larger volumes of such waste.

Compost

Park and garden waste is composted in long lines that are turned regularly. The compost can reach temperatures of up to 70°C through the degrading process that takes place.

This means that weed seeds and other earth-borne impurities are exterminated. After a year, the composted material is ready, and the soil, which is prepared in three qualities, is sold to private citizens and companies.

The landfill – the eco-park

The area around Hagby has been used as a landfill since the end of the 1940s. Today, there is no longer any tipping at the Hagby facility, and the old landfill has been converted into an eco-park. The leach water generated in the tip is dealt with and purified through natural processes in a local purification system at the park before being supplied to recipients. To find out more about the eco-park and our leach water processing system, see our brochures entitled “Hagby Eco-park” and “Hagby Leach Water”.

When refuse is deposited, a decomposition process starts, which leads to the generation of biogas. Through a system of gas wells and pipes, we can extract this gas. The gas is treated and transported along a 7-km pipeline to Täby Centre, where it is used for heating. The volume of gas generated at Hagby annually represents approximately 15 GWh of energy, which corresponds to the heating requirements of almost 1,000 homes.



SÖRAB is responsible for waste handling in nine municipalities in western and northern Stockholm: Danderyd, Järfälla, Lidingö, Sollentuna, Solna, Sundbyberg, Täby, Upplands Väsby and Vallentuna.

Our business concept is to provide local authorities, households and companies with rationalised and environmentally friendly waste processing at a reasonable price.

Our ambition is to recycle most of the waste, and deal with the rest in a manner acceptable to people and the environment.



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