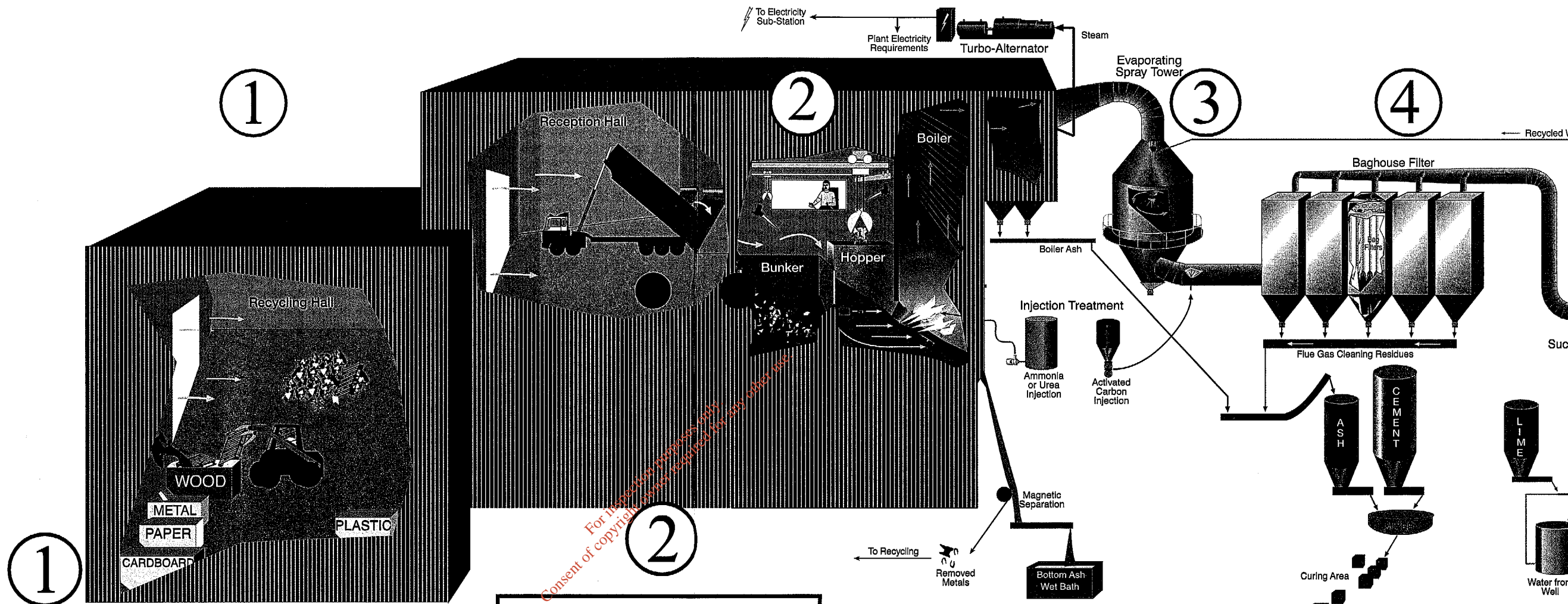


Health & Environmental Safety Features of Carranstown



1. Waste Reception

Recycling Hall

- Recycling of waste
- Wood, metal, paper cardboard & plastic

Reception Hall

- Enclosed Reception Hall
- No open air tipping
- No unsightliness
- Air for combustion will be drawn in through Reception Hall
- No odours

2. Furnace & Boiler

Waste is burnt at a maximum temperature of 850°C

- Waste remains in furnace for more than one hour. This ensures complete burning
- Metal removed from bottom ash for recycling
- Bottom ash goes for off-site recovery or disposal
- Nitrous Oxides removed by ammonia/urea injection into furnace. Nitrous Oxides can cause respiratory problems and acid rain

11 MW of Electricity is generated from the waste

- Enough to power 10,000 homes annually

3. Evaporating Spray Tower

- Cools hot gases from the boiler by spray of recycled waste water
- No liquid discharged from plant

4. Baghouse Filter

- Dioxins & heavy metals absorbed by carbon injection
- Dust, dioxins & heavy metals removed by Baghouse Filter
- Boiler ash and flue gas cleaning residues are mixed with cement and go for off-site disposal



Carranstown Waste Management Facility

Safety Features



Indaver Ireland, 4 Haddington Terrace, Dun Laoghaire, Co. Dublin, Ireland
Tel: 353 | 214 5830 Fax: 353 | 280 7865 e-mail: info@indaver.ie Website: www.indaver.ie