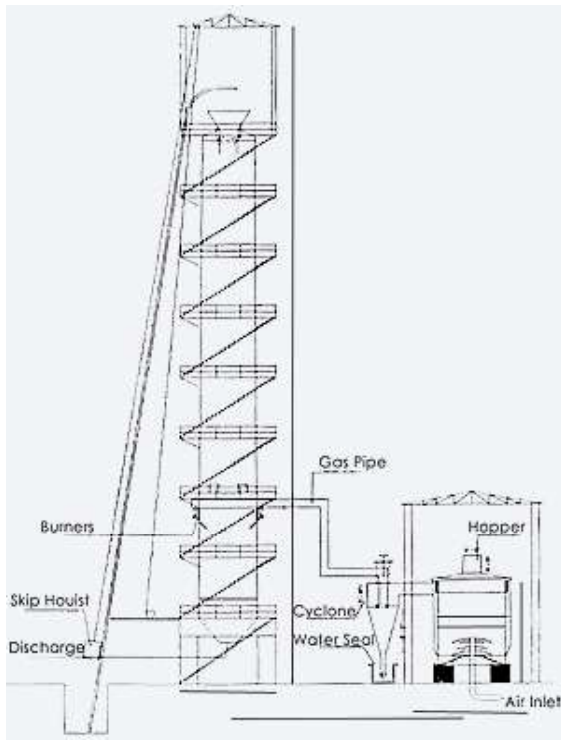


| | |
|--------------------------------|--|
| | <ul style="list-style-type: none"> • Sulphur < 1%, • Total halogens (Cl, Br, F, I) < 1%, • PCB < 100 mg/Kg, and PCT < 100 mg/Kg. <p>The oily waste will be added to the incinerated material in a proportion depending on the composition of the oily waste.</p> |
| Operational constraints | <p>Requires personnel, site, incinerator and waste handling equipment.</p> <ul style="list-style-type: none"> • No energy is recovered. • Air pollution control devices must be suited to monitor the incineration of large quantities of petroleum product. • Salt in recovered oil could increase corrosion in system. • If the facility does not exist, this type of project needs a long period to be implemented. |
| Impacts | <p>Incineration (e.g. in power plants) results in the production of ashes and co-products that must be disposed of correctly.</p> <p>Incinerators may release carcinogenic and toxic chemicals, including heavy metals, partially-burned organic material such as polyvinyl chloride (PVC), and other organic chemicals, including polycyclic aromatic hydrocarbons (PAHs), dioxins and furans.</p> <p>The concentration of the release depends on the type of waste, of incinerator and of filter installed on the chimney.</p> |
| Legal constraints | <p>Refer to incineration and atmospheric releases legislation.</p> <p>Special authorisation may be required for such work.</p> |
| Efficiency | Relies on the type of incinerator and gas treatment. |
| Cost | <p>CAPEX: very high investment cost.</p> <p>OPEX: 100 to 400 euros / m3 (Source: KOLLER).</p> |
| | <div style="display: flex; align-items: center;">  <div style="margin-left: 20px;"> <p>Figure 13 : Lime kiln</p> </div> </div> |
| THERMAL TREATMENT | Co-incineration as fuel source (in cement works, lime kiln, power plant or other kiln) |
| Description | <p>Incineration of the liquid oil recovered as fuel source in cement works (and/ or industrial furnaces)</p> <p>Note. Co-incineration is the incineration of waste in industrial incinerators, kilns, furnaces as an alternative or complementary fuel source and/ or as material source.</p> |