

This line is able to treat all the wastes with requirement of metal removing through physico chemical precipitation before to be treated onto the biological treatment plant. (all the D9 marked wastes or pretreated in the oily water treatment plant.

The process is composed by:

Coagulation through Iron salts dosing TSS and metals hydroxide precipitation through lime dosing

Sludge flocculation

Settling (with lamellae settler)

(optional step) sodium sulfide dosing for removal of metal sulfide or alternative dosing of chelants

Sand filtration

All the process are monitored and controlled with online pH meters and turbidity meters

Treated water are sent to the biological treatment plant (D8)

Sludge produced are treated through a pre thickening stage and a conditioning stage (lime and polymer based) and finally dried with a filterpress.

The capacity of this line is 5000m³ /week