



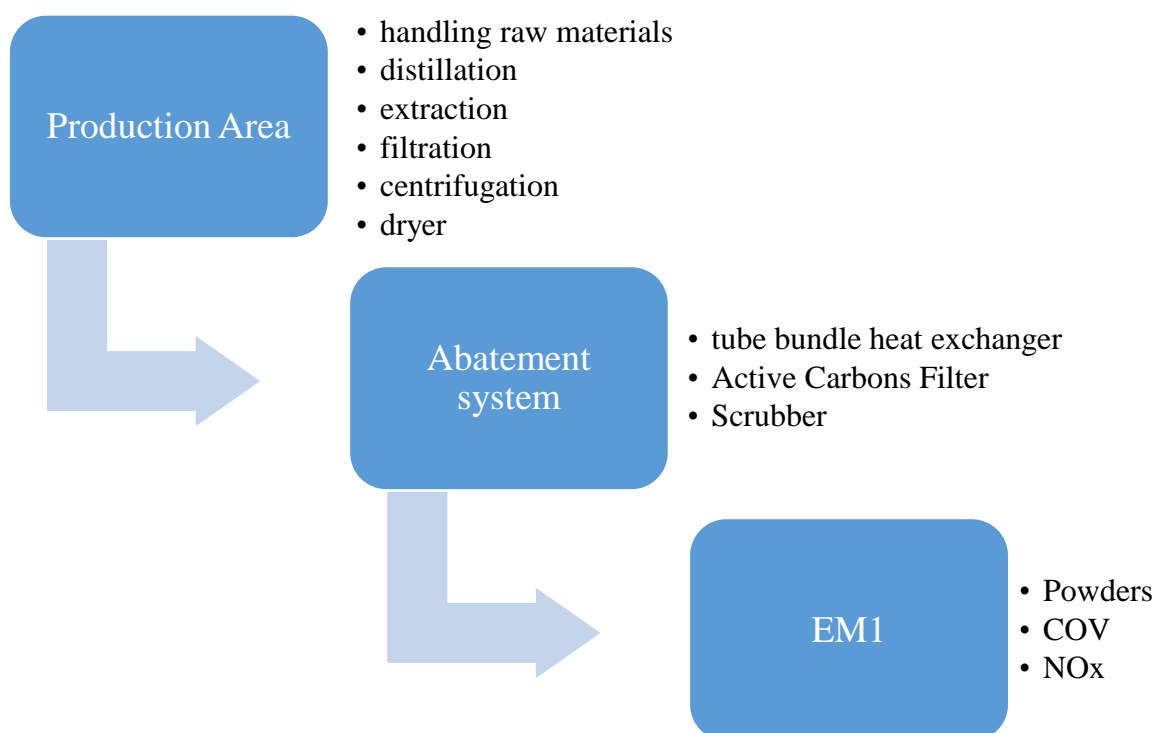
Annex B_3.11

Emissions and Waste Summary

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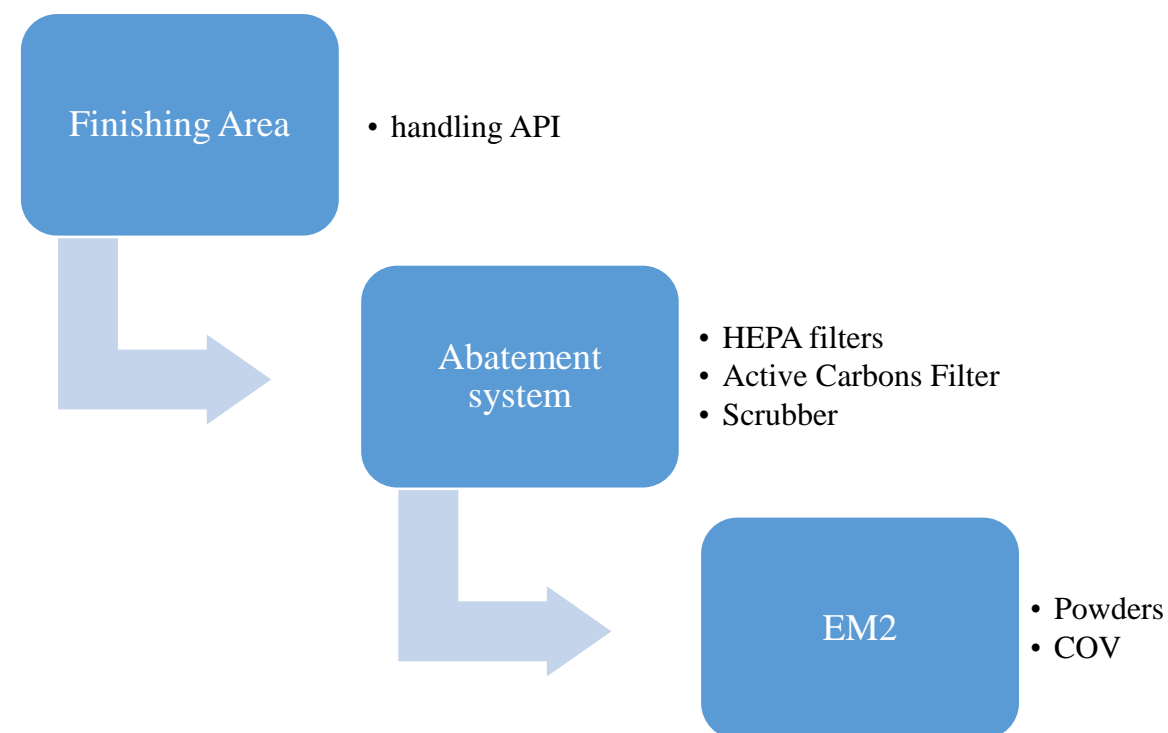
EMISSIONS ON AIR SUMMARY

The following Flow Diagram shows diagrammatically the working area served by aspirations with the consequent processes that can determine a pollutant in the fumes. All aspirations are nonetheless connected to an abatement system divided in various conditions depending on the work area. Finally, there are points in output (EM initials corresponding to the acronym E of the Environmental Impact Statement) where it is noted as potential outgoing pollutants the ones transcribed into the appropriate field. It is underlined that it is only potential the presence of pollutants still guaranteed under the limit threshold set by the National and Community legislation

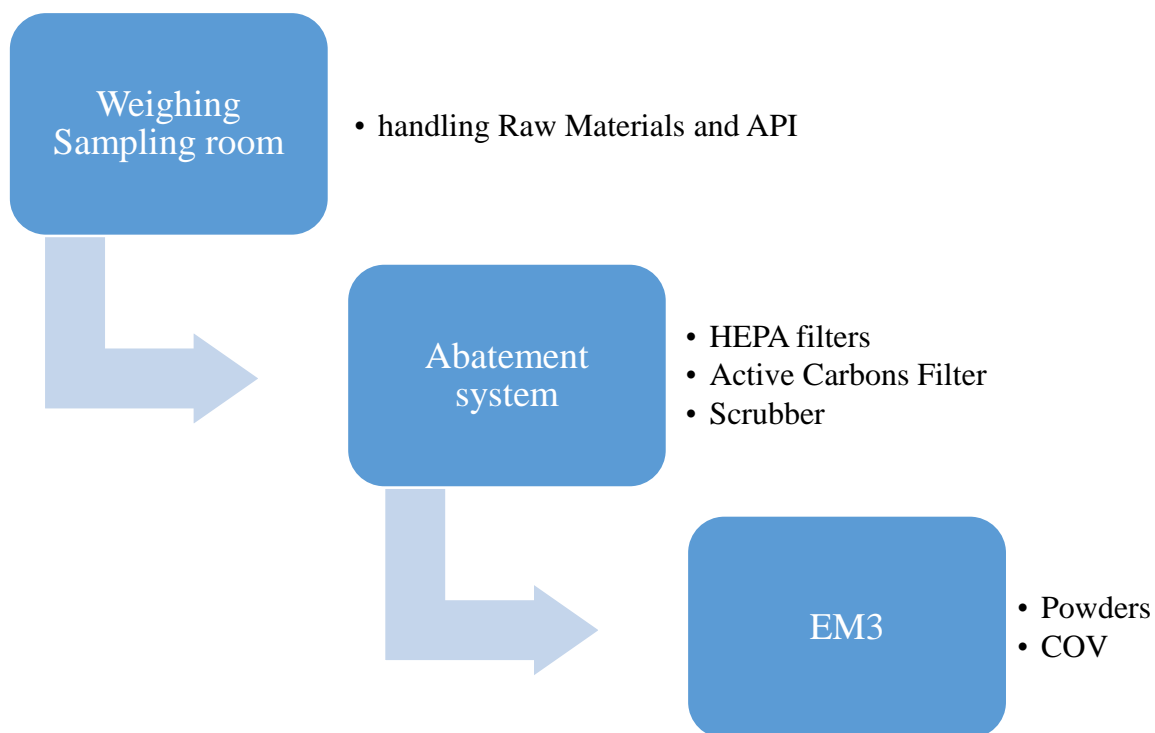


Flow Chart 1 Emission on air: Point emission EM1

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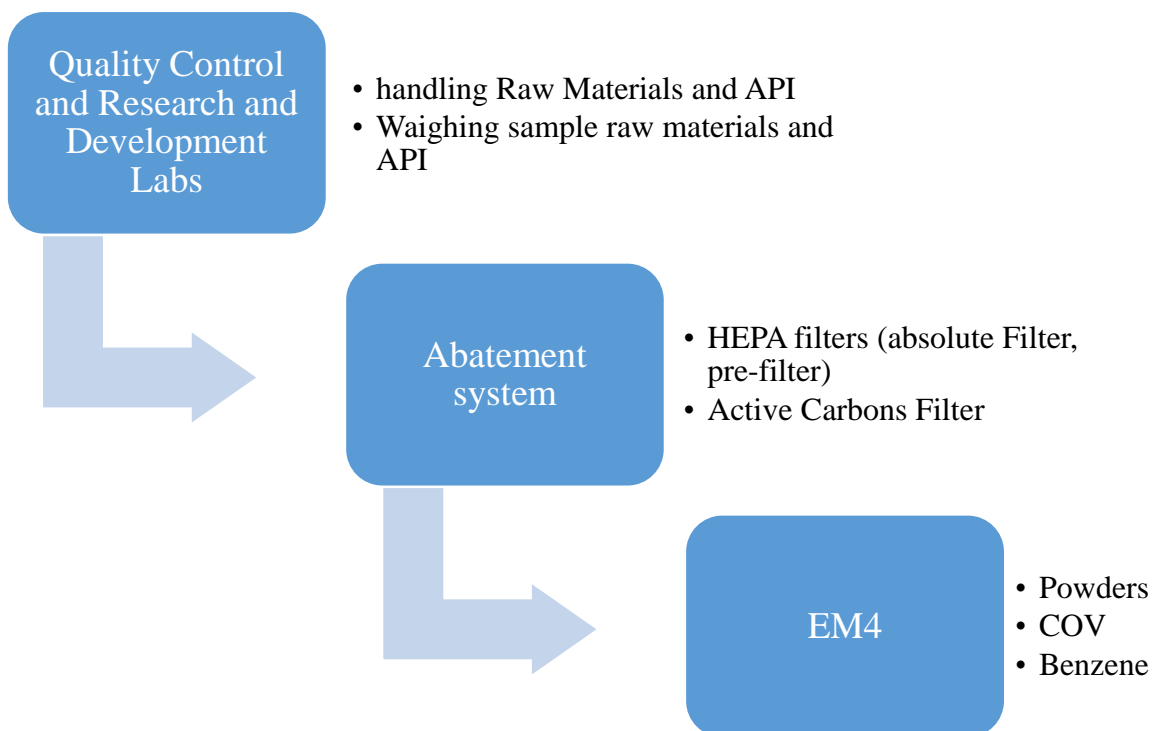


Flow Chart 2 Emission on air: Point Emission EM2

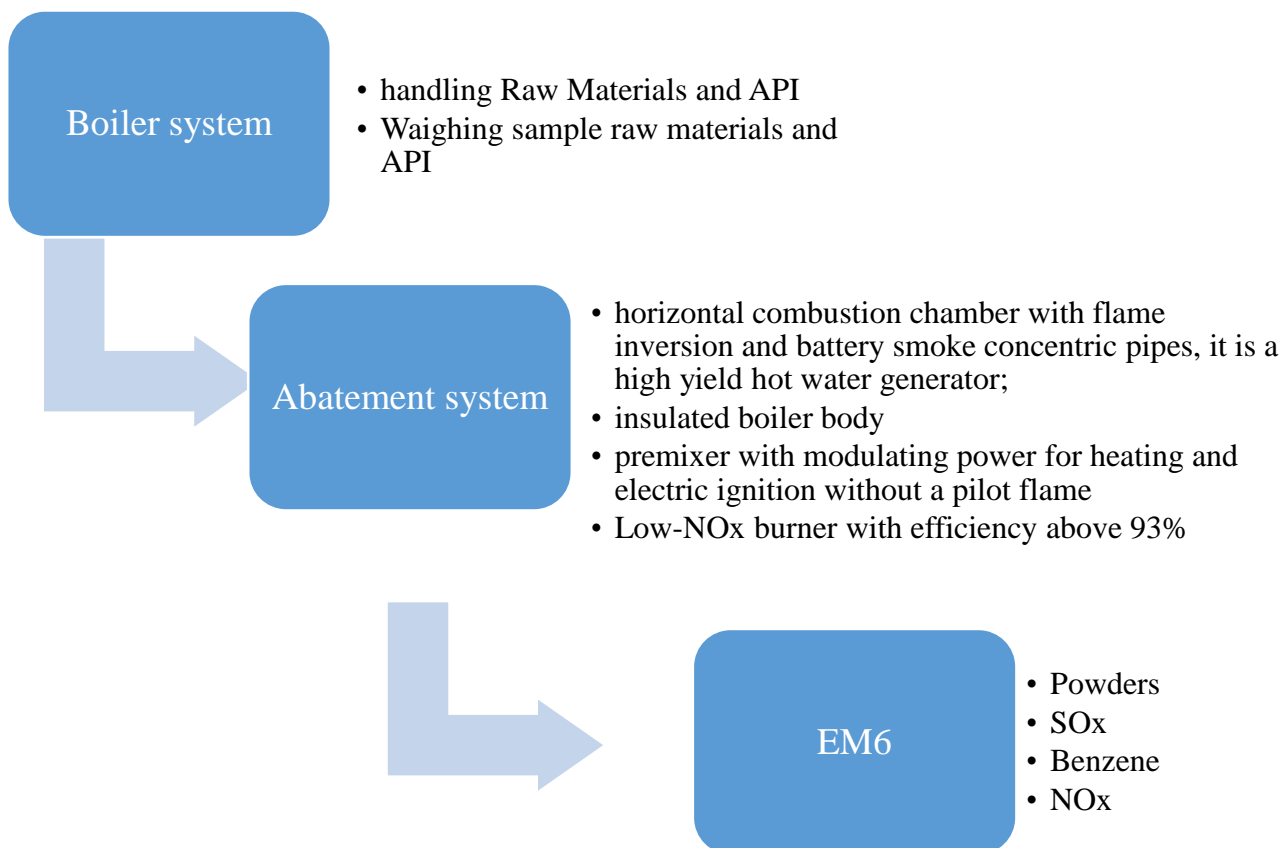


Flow Chart 3 Emission on air: Point Emission EM3

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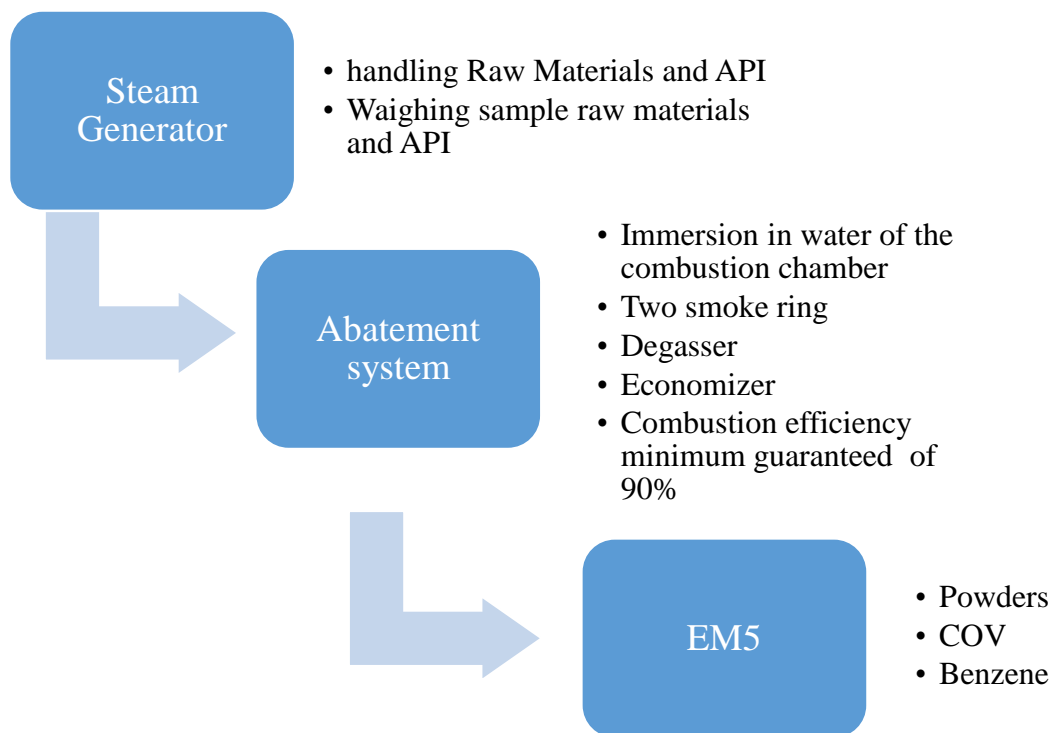


Flow Chart 4 Emission on air: point emission EM4



Flow Chart 5 Emission on air: Point emission EM6

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Flow Chart 6 Emission on air: Point emission EM5

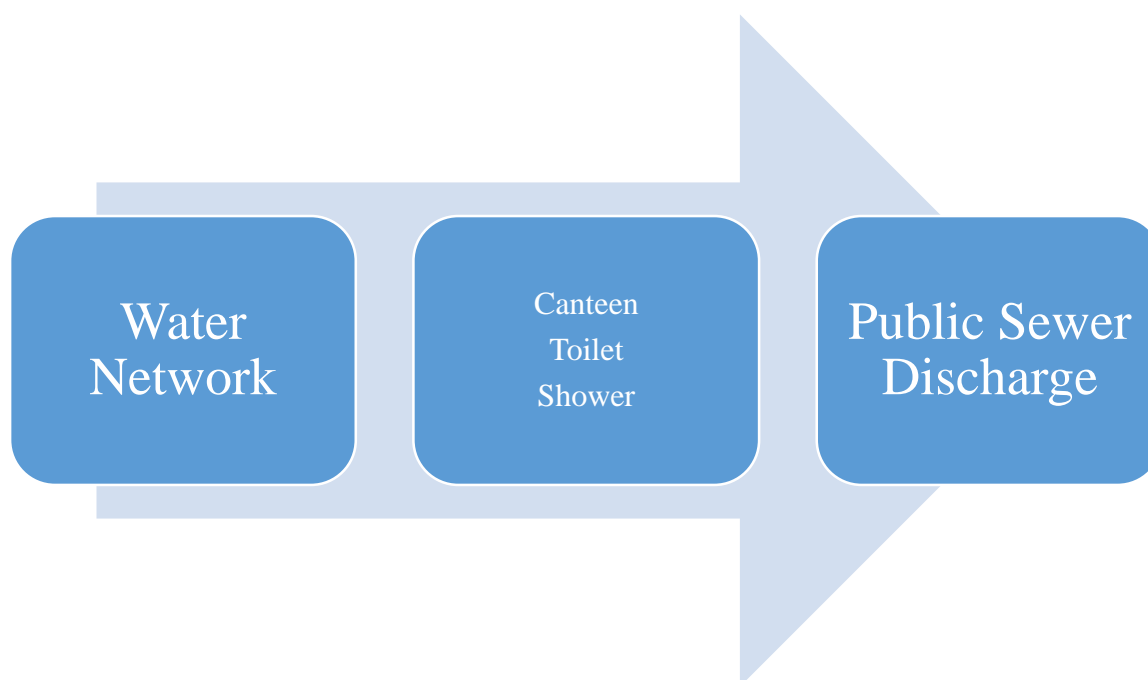
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EMISSIONS ON WATER SUMMARY

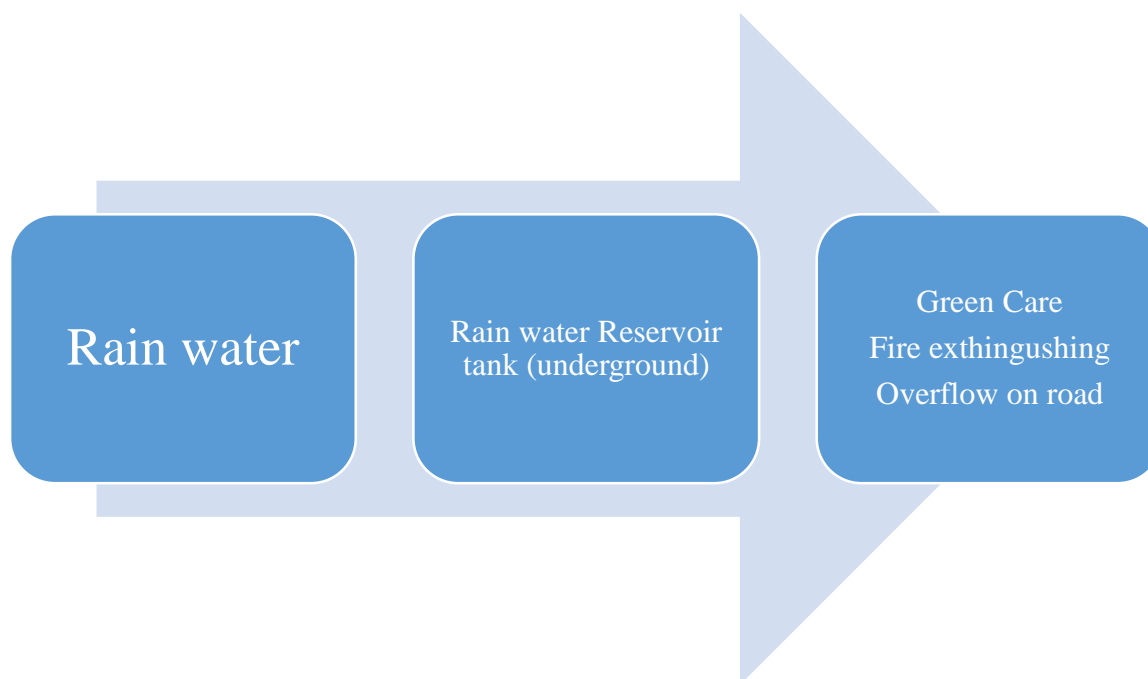
Sterling has no industrial discharges into the sea or in the soil.

Sterling has only a drain into the public sewer for wastewater similar to the domestic and coming from toilets, showers, canteen, and there is no connection between the departments producing the API or where handling the raw materials (including the laboratories). The following diagram contains the three types of liquid streams in the company. Compared with the Project Description and following the requests for protection of various subjects involved during the Environmental Impact Assessment, the wash water tank will be used only to collect any spills coming from the production lines or from the warehouse (through the gutters on the side).



Flow Chart 7 Emission on Public Sewer

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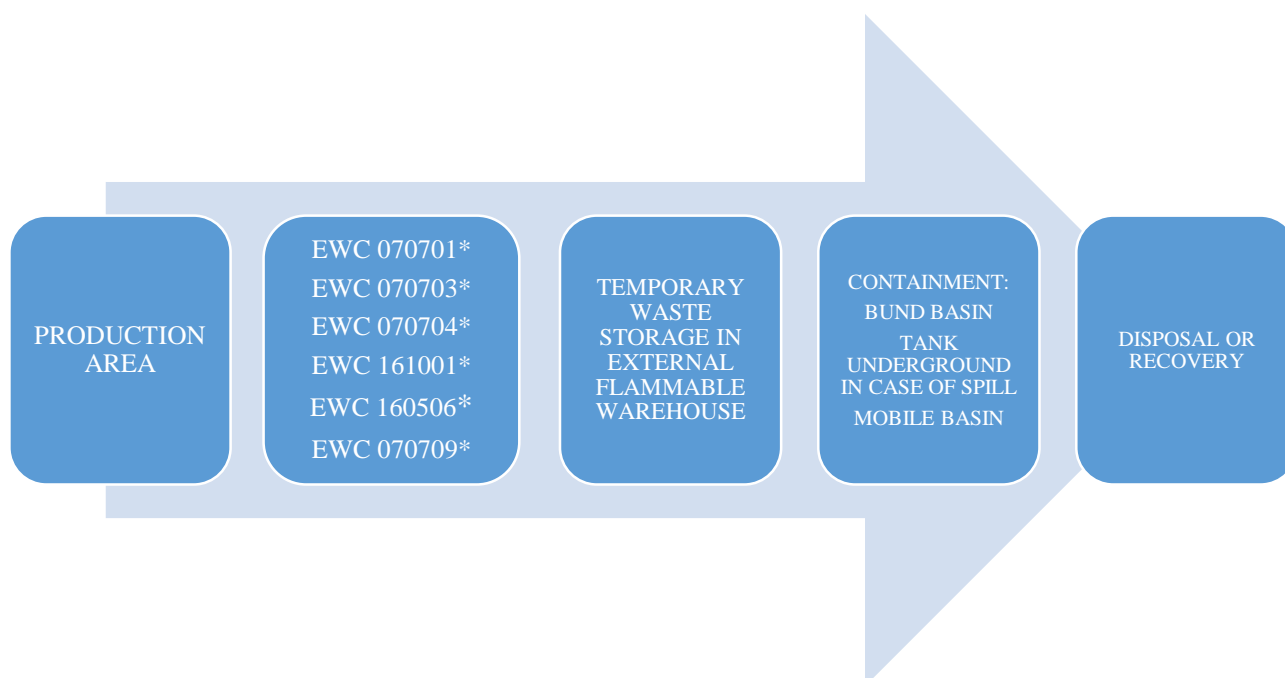
Flow Chart 8 Emission rain water

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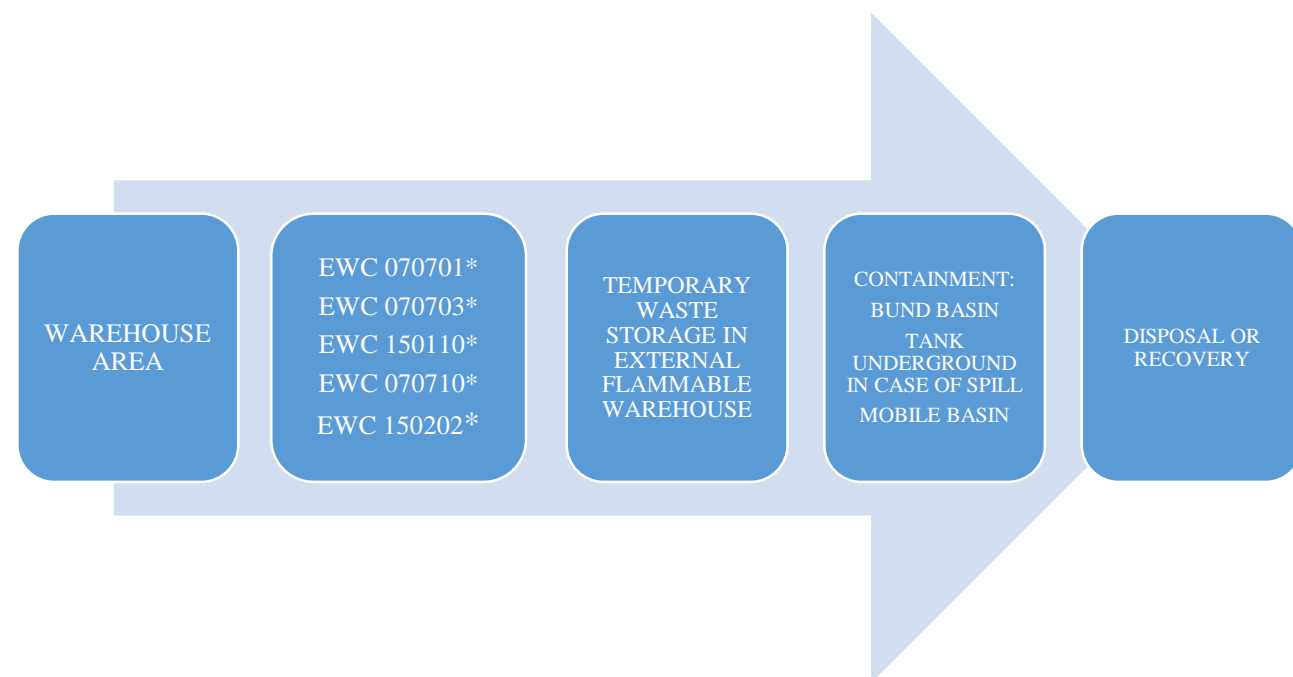
WASTE SUMMARY

In Sterling there will be two waste streams. Hazardous waste (coming mainly from the production areas, warehouses and laboratories) and non-hazardous waste (mainly coming from the office, from the work garages and the warehouse when they receive the raw materials - such as cardboard that contain bottles or drums). The Hazardous Waste can be liquid or solid. The liquid ones are contained in IBC or 200 liter drums and they are stored and indoor closed in the external flammable warehouse. They are stored according to the chemical incompatibilities on containment stationary basins in reinforced concrete. The entire surface of the stock is still waterproof to avoid any possible pollution in case of breakage of the IBC during its handling. Furthermore, the floor of the warehouse has a slope towards the inner area of transit where it is located a grid manhole which leads to a tank of 1 m³. The tank is waterproof. In case of filling it will be emptied by the pump and the waste will be collected in IBC. The solid waste (eg drums that have contained raw materials, or big bags for the overalls collection, used gloves or filters, are indoor stored in the external flammable warehouse or in waterproof areas also on mobile basins or mobile containment systems. All hazardous waste will be exported from Malta, typically towards Italy and the management is entrusted to a well-known broker in Malta which has all the permits issued by MEPA. Waste as 070 703* and 161 001* are recovered in the waste treatment companies. The wastes 070 701* and 160 506* are almost always disposed, other waste such as 070 710* or 150 202* are reclaimed and recovered. In the following flow diagram is summarizes the waste life cycle of from the time of generation, and so from the area, the associated code, where it will be temporarily stored, the security systems and the final destination.

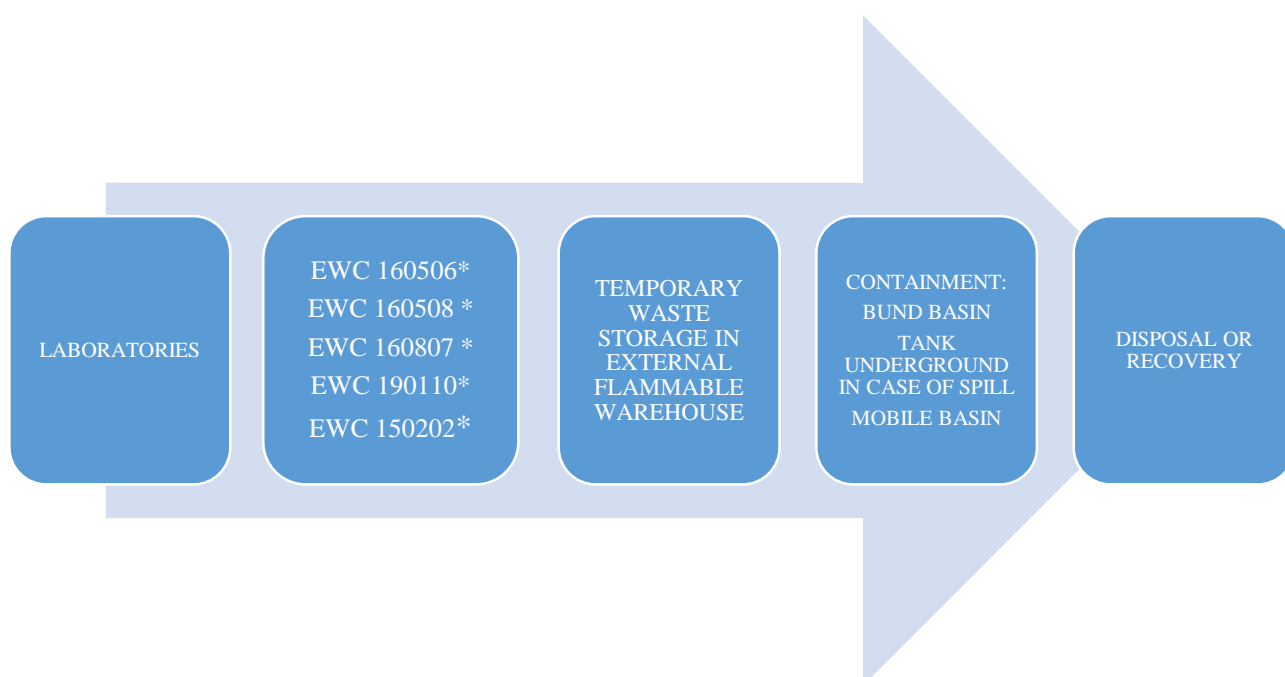


Flow Chart 9 Waste cycle life 1

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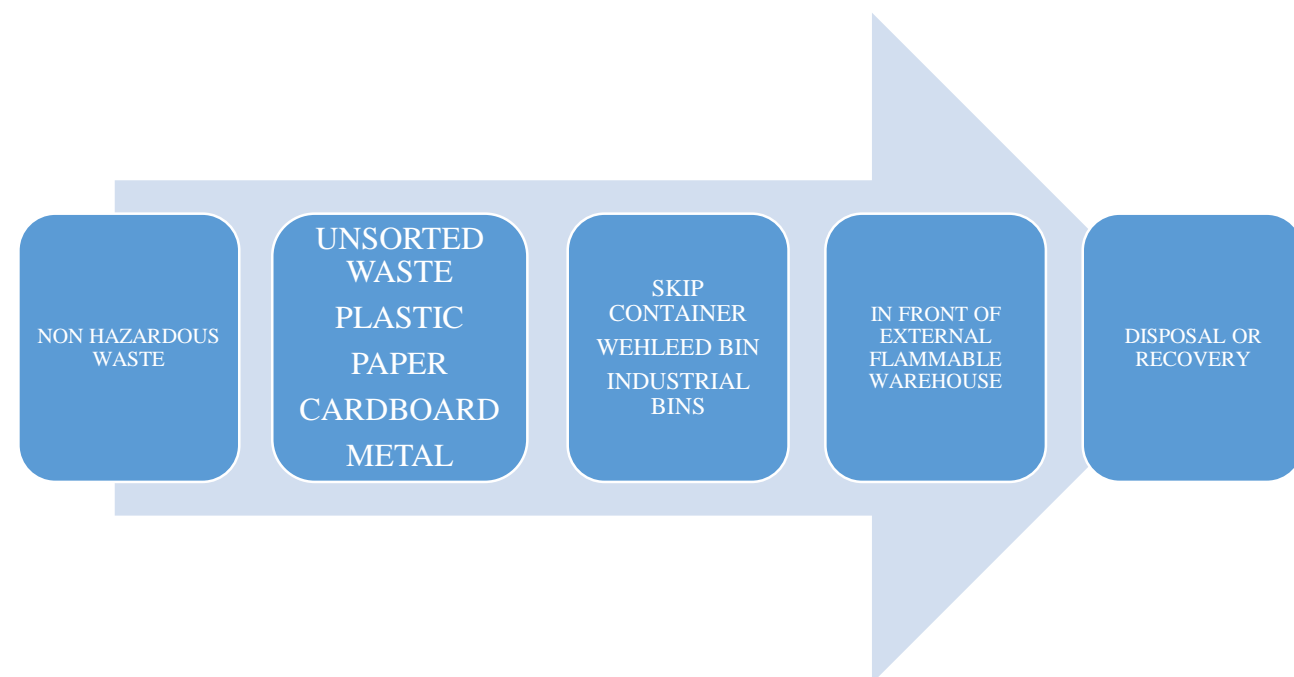


Flow Chart 10 Waste cycle life 2



Flow Chart 11 Waste cycle life 3

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Flow Chart 12 Waste cycle life 4