

Wastewater treatment

allows agricultural, industrial, and human effluents to be disposed of without a threat to human health or to the natural environment

Water bodies can become polluted due to

Fertilizers
and
pesticides

Agricultural
Pollution



Industrial
Pollution



organic
contaminants and
heavy metals

Domestic
Pollution



Organic
pollutants
(liquid and
solid) and
harmful
bacteria

Physical Treatment

1. removal of large materials
2. removal of settleable solids
3. removal of floating materials (oils)



Biological Treatment



Removal of
residual
biodegradable
organics and
suspended
solids

Chemical Treatment



Disinfection, mostly
using chlorine
solution, to kill
bacteria

To safely
dispose of
wastewater,
it should be
treated at
several levels



The treated effluent can therefore be safely disposed of

This information is made possible with the support of the American people through the United States Agency for International Development (USAID).
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