

WATER MANAGEMENT CASE STUDY

Company: HAYMSA

Location: Tarrasa, Spain

Type of site: Sand and gravel pit

Potential impact on water or groundwater

A number of ponds for the recirculation and reuse of the water used in sand washing processes had several problems for the environment:

- Land occupation
- High water consumption due to the high water content retained in tailings
- High energy consumption in pumping mud and recirculation of cleaned water
- Risk of spillage of water with solids and mud to public water courses

Action on

Mining waste treatment / Other waste treatment / Housekeeping

Description of the good practice

New water treatment cycle with thickener tank, settlement tank and press filter

Description of the positive effects on water/groundwater

Reduction of land occupation
Minimisation of water consumption due to the low water content in the clay of the press filter
Reduction of energy consumption
Elimination of the risk of spillage of water with solids and mud to public water courses
The final output of the press filter is a good material for restoration uses

Status

Finalised

