

# 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





*Union Européenne des Producteurs de Granulats  
Europäischer Gesteinsverband  
European Aggregates Association*

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