

WATER MANAGEMENT CASE STUDY

Company: ARICEMEX

Location: Cambrillos, Spain

Type of site: Quarry

Potential impact on water or groundwater

The impact is the inefficient use of water.

The aggregate washing in treatment plants entails a high water consumption and use in many cases of decantation ponds, large areas of clay-laden water arranged in such a way as to promote settling of solids enhancing the evaporation. Also these ponds lead to high costs in cleaning and maintenance.

Action on

Treatment plant

Description of the good practice

Use a closed circuit in washing the aggregates so that the sludge from this wash are directed to a settling tank whose mission is to decant suspended solid particles (sludge) that later are use in restoration areas, returning clean water to the washing circuit.

Description of the positive effects on water/groundwater

- Minor consumption of water.
- Elimination of the decantation ponds.
- Obtaining of inert products of that they can be used in restoration and landfill.