

## 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.

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**Action on**

Treatment plant

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**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.

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**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.

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**Status**

Finalised