

GOOD PRACTICES AND TECHNOLOGIES

Reducing WATER FOOTPRINT

El Agua Nos Une – SuizAgua América Latina



Improvement of water supply system in workerscamps

SDGs addressed: 6.4 Water efficiency



Implementing Company

UNACEM

Sector: 2394 Manufacture of cement, lime and plaster

Location: Central Térmica Aguaytía, Padre Abad, Ucayali, Perú
Coord. UTM 8'651,391.79 N 29,2330.32 E

Last update: 2015, November



Results

- Reduction in well water consumption 5,872 m³/year



Additional benefits

- Savings for reduction in industrial water consumption 109,204.54 USD/year



Supplier references

Supplier: Internal Engineering



Implementing Company

Empresa Implementadora: UNACEM



Description of good practice

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UNACEM, aware that the highest direct consumption of water from its Atocongo plant came from the domestic use of the camps, decided in 2015 to initiate a project to reduce water losses in its supply system and thus improve its operational efficiency.

The project included several opportunities of improvement, reducing water losses in reservoirs, replacing more than 80 m. of tap water and sewage pipelines with filtrations, improving intra-domiciliary connections, including the installation of a kit of valves and new accessories in 80 homes, cancelling 8 irrigation points in which groundwater was used and implementing a monitoring system.



Investment and operational costs

Costs: 22,121.21 USD/09 months



Recommendations and limitations

- Install water meters in strategic places and monitor water consumption monthly



Applications

Do not apply



References / links

- Agencia Suiza para el Desarrollo y la Cooperación COSUDE, ONG Agualimpia, Empresas socias (2015). Guía de buenas prácticas para el uso eficiente de agua en empresas SuizAgua Andina Perú. In: <http://bit.ly/GuiaBuenasPracticasSuizAguaPeru>