

GOOD PRACTICES AND TECHNOLOGIES

Reducing WATER FOOTPRINT

El Agua Nos Une – SuizAgua América Latina



Improvement and scaling up of industrial/domestic wastewater treatment plant

SDGs addressed: 6.3 Quality of water



Implementing Company

Camposol

Sector: 1030 Processing and preservation of fruit and vegetables

Location: Camposol, Chao, Trujillo, Perú
Coord. UTM 9'052,973.96 N 756,912.96 E

Last update: 2015, November



Results

- Treatment and reuse of 3,565 m³/year treated wastewater



Additional benefits

- Savings of 6,967.87 USD/year for reducing costs in water consumption



Supplier references

Supplier: Engineering Division (Internal)



Implementing Company

Implementing Company: Camposol

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Description of good practice

At the beginning of 2014, the wastewater treatment plant was at the limit of its capacity, due to increasing of production. In 2015, Camposol started to improve its wastewater treatment plant. The Project included the construction of a solid separation system, the expansion of sedimentation lagoons, the expansion of aeration lagoons, the expansion of diffuser systems, gravel filters and activated carbon. The Project objective was to reuse all the treated water to irrigate forests, complying with the Peruvian Environmental Quality Standards for water. This expansion makes possible to irrigate 7 hectares of forest in Chao community.

Principal activities: engineering study, budget approval, construction of 4 solid separation systems, construction of 2 sedimentation lagoons, Construction of 2 aeration lagoons, construction of a diffuser system, construction of 4 gravel filters and activated carbon systems, monitoring.



Investment and operational costs

Costs: 223,363.63 USD/12 months



Recommendations and limitations

- The maintenance and monitoring of wastewater treatment plant must be assigned to the Environment Area



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>
- Ecoeficiencia Camposol in: <https://www.youtube.com/watch?v=oygoc9IWkE>