



Project: Emissions from plant - Allnex

Background:

Allnex focuses on reducing the annual emission to air and water, to recover as much of the waste as possible and to be as energy efficient as possible. In 2004 an IPPC (Integrated Pollution Prevention and Control) report was made where all emission and waste was described, quantified and compared to BAT (Best available Technology). Allnex requested an updated report where the emission for 2013 were quantified. The report will be used to compare the status for 2013 with 2004, and to identify new ways to improve in order to continuously reduce the emissions from the plant.

Description:

The IPPC report from 2004 developed a plan for improvement. By 2013 all of the suggested improvements were implemented. In addition to this Allnex has done other initiatives in order to save energy and to recycle more of the waste. When going through the different emissions from the plant and the energy consumption; new initiatives in order to improve were identified. Compared to 2004 the energy consumption per kg product has been reduced with 21% and the waste per kg product has been reduced with 20%. The percentage waste that is recovered is 3,4 times more compared to 2004. The hazardous waste has been reduced with 60 %. The load to Dyneas wastewater plant from Allnex has increased significantly and there are reasons to question the representativeness of the sampling.

Summary:

A mapping of the emissions and energy usage from the plant is useful in order to increase the awareness and in order to identify ways to improve. It is also a motivation to see the effect of improvement initiatives. Focusing on emission, waste and energy reduction is both a way of saving cost and taking care of the environment.

