



Besides reducing the GHG emissions by implementing its expansion projects, Monte Rosa has implemented, in August of 2004, an Environmental Management System (*Plan de Gestión Ambiental*). The system controls the environmental impacts of the plant: residual water; gas emissions; solid waste; noise; dust; air quality. Other advances in Monte Rosa's Environmental Administration Program are listed below:

Use of water reduction: reduction of the mill's residual water index from 1.72 m³/ton of milled cane (2004-2005) to 1.38 m³/ton of milled cane (2006-2007).

In the 2008/2009 crop season, a double table will be installed in order to clean the sugarcane, reducing the quantity of land on it, without using water. This will reduce 3,568 m³ of water per day.

Solid waste handling: The project improves the structure and quantity of organic matter of the mill's agricultural floors. It is also important to mention that the separation of the "cachaza" means the reduction in 80% of the organic load that used to be spilled into the sedimentation lagoons of residual waters.

The Environmental Management Department of Monte Rosa developed awareness programs of solid waste handling, environmental protection and optimization of the natural resources. In 2007-2008, Monte Rosa disposed 17,231 agrochemical packs to ANIFODA.

Emissions handling: A new 900 PSI and 300,000 pounds boiler has been installed. This boiler is equipped with a gas and ash washer in order to maintain an acceptable level of emissions.

Liquid residuals handling: Two Parshall grooves have been installed with the objective of measuring the amount of water that is discarded as residual water for its analysis and control. The grooves' measurements make it possible to use data modeling for future water reduction and clean production projects.

Reforestation: The objective is to reforest the mills surroundings and all those areas where the sugar cane cultivation is not possible.

Consciousness and support to the community: Monte Rosa assists 12 communities directly in topics of health, education, sports and cultural recreation. Since October 2002, Pantaleón Foundation has started its operation with the mission to support education, health and environmental projects to the Nicaraguan citizens and improve their life's quality and country's productivity. Some of them are: Mother Home, "refugio Belén", intensive care La Mascota Hospital, "Arco Iris del Futuro" Children Development Center, improvement of the water quality at the Everth Mendoza community and others.