Rio Tinto

Environment
Dust collecting system

Investment
Dust collecting system

Rio Tinto, Fer et Titane (RTFT) is investing $22M in a dust collection improvement project.

Objective:
Reduce dust emissions from the coal dryers used at the Ore Pretreatment Plant by 80%.

Air quality
• The installation of three new dust collectors will impact the neighboring community as it will help reduce atmospheric emissions.
• Continuous monitoring systems, for example leak detectors, will be installed and will allow for the assessment of equipment performance.
• Results are submitted annually to the ministère du Développement durable, de l'Environnement, de la Faune et des Parcs.

Technology
• Dust collectors represent a proven, common and high-performance technology. Several such systems are already in operation throughout RTFT’s facility.
• The coal recovered by these new systems will be transported by tanker trucks and then used in the reduction plant’s process.
• RTFT already recovers some coal from the Ore Pretreatment Plant’s process. The new dust collection systems will help optimize this recovery process.

Timetable
Operations are set to begin in 2013.

Investing...
Over the last years, RTFT has implemented improvement projects, among which is the addition of an ore storage dome in 2008, and the new loading tower in 2009.

The dust collection system is one of the first environmental improvement projects as part of the investments for the TiO₂₀₅₀ project, which was launched in 2011 and aims to upgrade the metallurgical complex in Sorel-Tracy.