

Case Study: Air Permit Recordkeeping & Reporting System

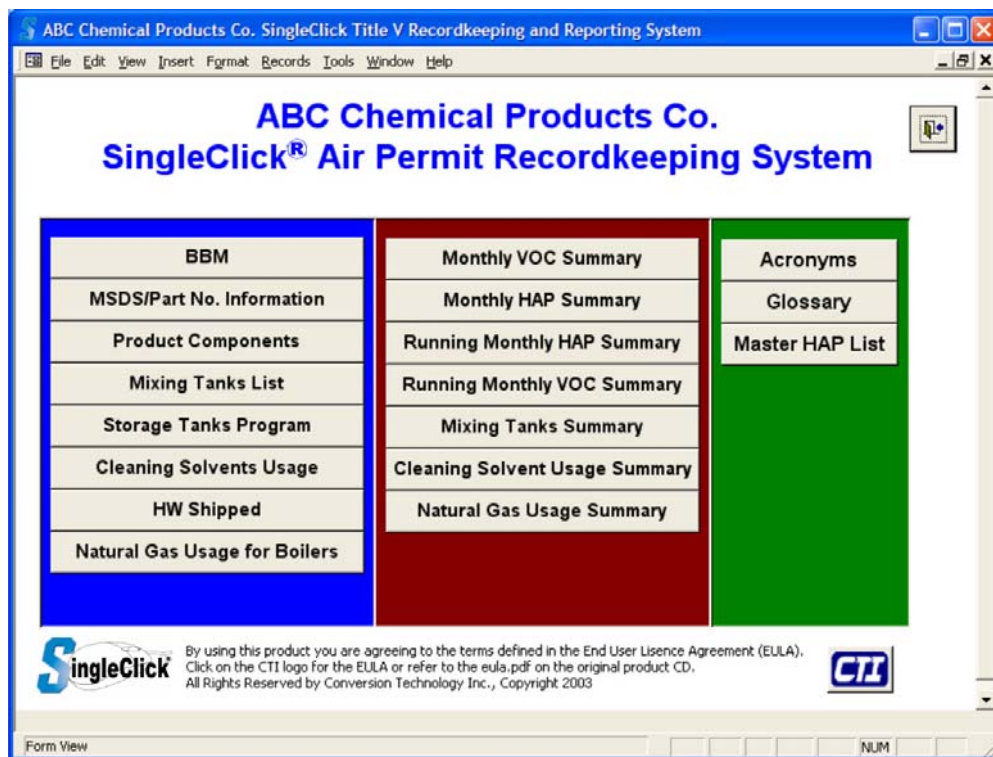
Chemical Product Manufacturer: Southeastern U.S.

A chemical product manufacturing facility uses the SingleClick® Air Permit Recordkeeping & Reporting System (APR) to comply with air permit conditions for over 800 different chemicals.

Chemical Products Company - Southeastern U.S.

When a facility uses over 800 chemicals in its production process and has a product output of 80 million per year, air permit conditions can be overwhelming. Maintaining the emissions records of volatile organic compounds (VOCs) and hazardous air pollutants (HAPs) as well as maintenance and reporting requirements for this many products and chemicals is a daunting task to say the least.

This was the situation facing a chemical product manufacturer about a year ago. The facility specializes in mixing and filling various liquid and aerosol products. In order to solve their air permit compliance issues, the facility turned to SingleClick Co. and Conversion Technology Inc. (CTI). These two companies offered the facility the SingleClick® Air Permit Recordkeeping and Reporting System (APR), a comprehensive system designed to encompass all of the requirements of a facility's air permit.



The main screen of the APR software for the chemical products manufacturer. The facility can easily maintain all of the conditions of their air permit, starting from one user-friendly screen.

The engineers at CTI. used their expertise to perform all of the complex calculations required by the air permit conditions. Sorting through the 800 different raw materials that the facility uses, CTI's staff took into account chemical and physical attributes of the materials, vapor pressures, mixing times, tank surface areas, ambient conditions, and all of the other factors important in performing the reactive chemistry calculations. Simply put, the fact that CTI took all of these variables into account meant that the facility did not have to.

The result of all these calculations is an extremely user-friendly software program that the facility now uses to maintain its air permit compliance (see above figure). The system at the plant is completely centralized, and yet the effort required by the environmental coordinator is still minimal - each day he inputs simple data such as production amounts, and the APR system does everything else. All of the facility's air permit recordkeeping and reporting data is stored electronically, meaning that shelves full of binders and papers have become a thing of the past. Even exceedance notification letters are generated by the APR system with minimal work required by the environmental coordinator. In all, the SingleClick® system saves the facility thousands of hours each year while easily maintaining air quality compliance.

Final Analysis: Through the implementation of an Air Permit Recordkeeping and Reporting System, facilities not only gain the expertise of experienced environmental engineers, but they also receive a system that maintains all air permit conditions with minimal effort. This chemical products company is now able to manage its air permit simply and effectively with SingleClick®.



2190 Norcross Tucker Road, Suite 202 Norcross, GA 30071
phone: (770) 263-6330 fax: (770) 263-8348 e-mail: cti@conversiontechnology.com
www.singleclickco.com and www.conversiontechnology.com

