

2006 EnviroGuard Company Profile

AIR QUALITY

TESORO REFINING and MARKETING COMPANY - BOISE TERMINAL owns and operates a bulk petroleum products terminal in Boise (since 1950). The terminal consists of eight above-ground storage tanks with capacities of 840,000 to 2,940,000 gallons. Gasoline, diesel, and jet fuel are distributed from the terminal.



One of Tesoro's six core corporate values is *Safety and Environmental Stewardship* with a policy to "strive to achieve a high standard of environmental care and seek continuous improvement in environmental management."

In keeping with this environmental policy, Tesoro looked to minimize the release of volatile organic compounds (VOCs) to the atmosphere while distribution trucks are loaded. In 2005, Tesoro installed a Vapor Combustion Unit (VCU) at their truck loading rack that captures VOCs. Now when a truck pulls up to load fuel, it is connected to two lines: a product loading line and a vapor collection line. As the trucks are loaded, vapors are displaced and collected by the vapor collection line and routed to the VCU where they are combusted. Operation of the VCU at the Boise Terminal has reduced VOC emissions by 90% (An expected annual reduction of 222 tons of VOCs in 2006 compared to 2003). In addition to capturing VOCs, the VCU captures other pollutants including benzene, hexane, and toluene.

Reduction of VOCs released to the environment is important since VOCs are precursors to the formation of ground-level ozone or smog. The Idaho Department of Environmental Quality has identified the formation of ground-level ozone as a concern for the Boise area.

Tesoro invested \$500,000 to install the VCU and ancillary equipment. The project was reviewed and approved by the Idaho Department of Environmental Quality through a Permit-to-Construct air quality permit. The success of this pollution prevention effort at the Boise Terminal has led Tesoro to initiate plans to construct a VCU at their Burley, Idaho terminal.