

Waste Fuels Information Management System

A Data Management Solution Designed for Waste Fuels Processing Facilities

High fuel costs have forced many cement plants to search for alternate fuel sources. This search has encompassed non-hazardous fuels, such as tires and industrial waste, and hazardous (EPA regulated) fuels in both solid and liquid form.

Waste Fuels Information Management System (WFIMS) from Process Solutions provides a complete data management system for a waste fuels processing facility and improves facility operation by:

- ✦ Eliminating multiple, manual data entry for tracking, inventory, billing and regulatory reporting
- ✦ Improving communication between the receiving, laboratory and fuel handlers
- ✦ Accurately tracking shipments of bulk or container fuels from receipt to destruction
- ✦ Simplifying regulatory reporting and reducing complexity of internal reporting

Laboratory Data Management

The Laboratory Data Management module provides easy-to-use data entry screens. Users of all skill levels are able enter data easily, improving daily efficiency. A wide range of data import methods from lab instruments including, GCMS analyzers, through flexible electronic interfaces reduces the amount of error-prone manual entry.

Qualification Creation & Approval

This module provides a mechanism for organizing and storing the extensive data associated with the pre-qualification of waste streams, including the registration of samples to be analyzed by the laboratory, and the linkage to the analytical results stored in the laboratory module.

QualCreate manages all pre-qualification records for waste streams against which shipments of material may be submitted for processing. Within this module, the Bill-To customer and generating facility (generator) for every submitted waste

stream is identified, waste profile survey data is entered and qualification sample(s) are registered.

QualApprove provides a mechanism for multiple level approvals, ensuring that all departments have reviewed the material for safety, environmental regulations, and production goals prior to acceptance as an alternative fuel or waste product.

Waste Tracking

Waste shipment management represents a key component of alternative fuel handling. All stages of a waste receiving process are recorded end-to-end: scheduling, transport, unloading, analytical testing, storage, blending, processing, and destruction. Security in the system ensures user actions are audited and unapproved waste materials cannot be received. Barcodes, which provide automated data entry on screens, are used on documents such as: sample and container labels, travelers, manifests, and other reports. Inventory verification and reconciliation ensure an accurate reflection of waste materials stored on site at any point in time.

* Process Solutions Canada Limited Windows applications are tested with current versions of Windows at time of release; however, we do not guarantee full functional compatibility with all Windows versions.



Tank Management

In addition to managing the receipt of materials, the tank management feature assists production personnel with optimizing and blending alternative fuels to ensure quality consistency and analytical compatibility. Through the use of key indicators, processing locations can be optimized by blending waste shipments as they are being received to ensure quality and production requirements are met.

Instrument Calibration & Maintenance

The Instrument Calibration & Maintenance module is a data management tool dedicated to recording calibration and service history for instruments and equipment. It can be used with the Laboratory module, to automatically supply instrument calibration factors during analysis, or as a stand-alone package that helps a waste processing facility manage its laboratory instruments and analytical solutions, as well as its process instrumentation.

Calibration data can be pre-entered into this module without the data becoming active or valid until the calibration is authorized. All historical information is maintained for reference

Data Query and Reporting

Each production facility has its own unique requirements, so no single reporting format can satisfy each all requirements. To satisfy a facility's reporting needs, WFIMS employs reporting tools such as Microsoft Excel, SAP Crystal Reports, and our own easy-to-use Query tool that extracts data for ad-hoc reporting. Many common reports such as State manifests and EPA reports are preconfigured.

Customer Assurance and Support

Process Solutions has been focused on providing technology solutions to the Cement Industry for over 25 years. This concentration on supporting many facets of cement operations has given us a solid understanding of the varying needs, issues and working environment of the industry.

We work with clients to design and/or customize their solution, and later to install, implement and maintain the necessary software and hardware.

This process typically includes an on-site survey to confirm site specific requirements before detailed planning and implementation start.

We offer a full 6-month warranty on all of our solutions, and provide customized ongoing maintenance and support agreements. Our Customer Care team provides 24/7 Help Desk support, and develop their in-depth site knowledge by performing the on-site installations. We strive to establish long-term partnerships with our clients, helping them get the most from their existing solution(s), while at the same time further developing our portfolio to satisfy their needs in the longer term.

Process Solutions continually updates and improves core technologies. We rely on user feedback to make our software better suited to the industry, and all of our software can be tailored to individual site requirement.

For More Information

The Waste Fuels Information Management System (WFIMS) from Process Solutions is a comprehensive software suite for the management of analysis, approval, handling, storing, and processing of waste material streams used as an alternative fuel source in cement kilns.

WFIMS can help cement companies significantly improve operating efficiency by providing complete traceability of pre-qualified waste streams, shipments, containers and analytical samples, and facilitating reporting requirements for customers and regulators.

If you would like to discuss our Waste Fuels Information Management System, please contact our Quality & Environmental Solutions Manager:

Ian Harrison

Telephone: (780) 452-2227 ext. 5267

E-mail: ian.harrison@pscl.com

Visit our web site at www.pscl.com

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