

Waste Fuels Information Management System

Overview

The Waste Fuel Information Management System (WFIMS) from PSCL helps you meet the challenges of regulatory requirements and safe handling of hazardous and non-hazardous waste fuels, while minimizing CO₂ emissions and reducing the amount of waste going to long term storage or landfills.



Waste material tracking is live from the moment it enters the facility, through to destruction

Built in reports provide complete traceability of pre-qualified waste streams, shipments, containers, and analytical samples. Quickly and efficiently create additional customized reports.

Key Benefits

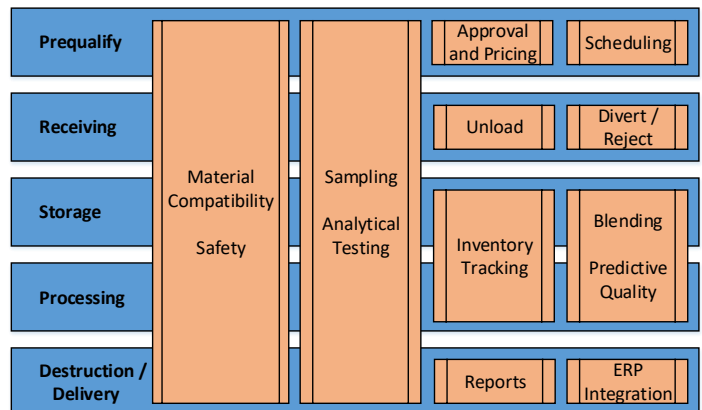
- Increases safety by enforcing safety rules and improving the workflow between the receiving department, health and safety department, laboratory, and unloaders.
- Increase revenue by streamlining the qualification of generator waste streams.
- Reduces costs and increases safety by accurately tracking shipments of bulk or containers fuels from receipt to destruction

- Reduces costs by automating the regulatory requirements (e.g. eManifest with Environmental Protection Agency, USA), and simplifying internal reporting
- Increases efficiency by eliminating multiple, manual data entry for tracking, inventory, billing and regulatory reporting
- Reduces risks by minimizing potential for data entry mistakes or acceptance of unknown or untested waste material
- Increase efficiency by optimizing unloading and blending to achieve quality and calorific targets

History

Since 2000, with over 25 installations in North America and Australia, WFIMS has been providing critical safety and regulatory compliance for waste fuel handling facilities.

WFIMS is implemented in hazardous and non-hazardous waste tracking for small, medium and large facilities and supports bulk liquid, bulk solid, containers/drum shipments, truck and rail (tanker and roll-off).



WFIMS High Level Work Flow

Qualification Creation & Approval

Qualification Creation provides the tools for organizing and storing the extensive data associated with the pre-qualification of waste streams. This includes the collection of a waste profile survey from the customer, registration of samples to be analysed, and the linkage to the analytical results stored in the laboratory module.

Qualification Approval provides the mechanism for review and approval of the customer's waste stream. Approvals by only the necessary departments (e.g. safety, marketing, production) are required based on the nature of the waste. This improves efficiency and safety, while reducing delays and costs.

Laboratory Data Management

The WFIMS Laboratory module is easy to use and provides a complete audit of all data entry. WFIMS Lab integrates with a wide range of laboratory instruments including GCMS and GCFID analyzers, calorimeters, and Carbon Sulfur analyzers. The interface reduces potential expensive errors from manual entry mistakes.

Waste Tracking

Waste shipment management represents a key component of alternative fuel handing. Track waste from scheduling, arrival on site, unloading, storage, blending, to destruction.

Barcodes provide automated data entry on screens and documents (e.g. sample and container labels, travelers, manifests).

Inventory verification and reconciliation ensure an accurate reflection of waste materials stored on site at any point in time.

Integrated document management ensures that all paper work is electronically associated with the shipment, and is available from any workstation.

Tank Management

Tank management assists production personnel with optimizing and blending alternative fuels to ensure quality consistency and analytical compatibility. Key analytical data and waste codes are tracked from shipments to tanks. Optimize the unloading and blending of waste products to ensure quality and production requirements are met and costs are minimized.

Data Query and Reporting

Common reports such as State manifests and government regulatory reports are available through WFIMS. A powerful query tool enables facilities to create site specific, marketing, and customer requested reports.

WFIMS provides a complete data management system for a waste fuels processing facility and significantly improves the efficiency of material receiving, storage and handling.

Minimize errors and delays in analysis, competitive pricing, allocating storage locations, issuing invoices, and regulatory compliance.

WFIMS integrates all stages of the waste fuels handling including: qualifying potential sources, scheduling shipments, arranging transportation, shipment sampling and testing, unloading, storage, blending, tendering, destruction, billing, and reporting.

Customer Assurance and Support

Our team of experts work with you to customize, install, integrate, implement and maintain the necessary hardware and software.

With an average experience of over 10 years, the Support & Integration team carry out on-site installation commissioning and provide full-time help desk support.