



## Material Tracking

The FacTS™ Material Tracking feature of the EHS Management Suite allows the user to track the movement of products from the time of receipt through final disposition. You can also track transactions such as receipts into the facility, crib issues and returns within a building, moves between buildings, and exports from the facility.

### FLEXIBLE

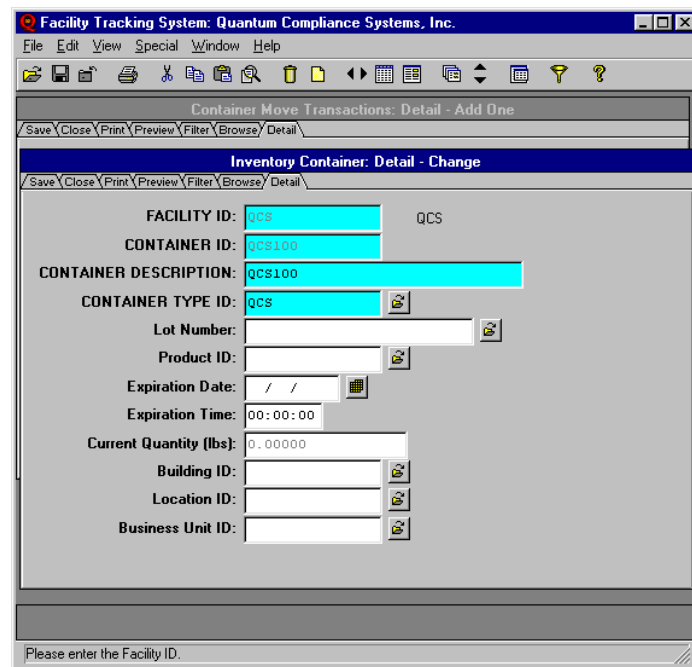
Materials can be monitored through bulk transactions, which account for mass movement without regard to individual containers, or through individual container movements. For the latter, FacTS supports container characteristic information, such as identifying number, material type, and size. Data can be entered manually, or uploaded from other data capture systems such as RFID bar code, ERP, or purchasing systems.

FacTS can track the movement of materials (or containers) from one container to another, as is required to track movement and disposal of lab packs. The alphanumeric identifier that tags each container of waste is compatible with bar coding schemes.

The entering of chemical data populates various tables within the system, enabling the user to generate a wide variety of inventory management and regulatory reports.

### INTEGRATED

To track products leaving the facility, the user can build an unlimited number of endpoint codes. For SARA Form R reporting purposes, each endpoint code is assigned a category type. The category type governs how emissions, effluents, or wastes are tracked for regulatory purposes. By selecting the proper endpoint code, the user is able to track process streams (feedstock) that become waste from the point of generation and storage, through final on-site or off-site disposition. Using Material Tracking in conjunction with **Waste Management/Tracking** allows the user to maintain a true comprehensive database of all storage, movement, treatment, and disposal information.



By following a material's movement from receipt to final disposal, FacTS can generate mass balance reports around each facility or location within the facility. Alternatively, for clients who



have not yet implemented a full material tracking system, Quantum's Material Tracking feature may be used without input from the inventory tracking portions of the systems.

## COMPREHENSIVE

A series of material balance reports for entire facilities, specific locations, equipment, or discharge points are provided with several FacTS features. Functions are provided to allow the user to monitor material inventory, and adjust or reconcile discrepancies. Used in conjunction with the **Distribution Modeling** feature in the EHS Management Suite and **Emissions and Effluent Management** in the Environmental Reporting Suite, multiple conceptual process modeling functions are available to assist the user in completing these tasks.

The Roll-Up function uses raw data from the inventory transaction tables to compute the actual daily, monthly, and annual quantities of material in storage, and the distribution of various ingredients within these materials. A series of reports are available that describe both purchase and usage data, including the quantities of materials and their ingredients by location and type.

Quantum's relational database system links material inventory information to MSDS information, allowing automatic generation of standard Tier I/II and Form R/A reports using the **SARA Tier** and **Form R** features.



FacTS maintains lists of materials that have Threshold Planning Limits, such as 302 Materials; the Ingredient Report can be sorted by these materials. Inventory records can also be compared to the list to find out which materials in the inventory must be reported.

Inventory records can be tracked at any level of the company structure. The related reports allow the user to sort the data by the Facility, Group, Sector, Division, Building, Location, and Date. This design provides the user with maximum flexibility in defining the organizational structure of the company and the physical layout of the facilities, as well as how the materials will be tracked. For example, locations may be as broad as a warehouse or as specific as a shelf within a storage room. Since locations are tied to the movement of inventory, their definitions may be expressly tailored for each facility to maintain the desired level of detail.

## DETAIL ORIENTED

A series of reports are included that allow the user to retrieve both current and historic records regarding the quantity of products used or stored in a particular location or quantities used by a specific department. Similar reports are available on ingredient bases. The Container Inventory reports provide similar accounting of containers by location. The Container History and Container Inventory reports allow the user to track material transferred to containers and the method by which materials are sub-divided and distributed.