

## COMPLY™ EPA COMPLIANCE TRACKING AND REPORTING SYSTEM

The COMPLY system is a comprehensive software application for tracking, reporting, and projecting compliance with the Environmental Protection Agency's (EPA) reformulated gasoline (RFG) and anti-dumping rules and regulations. The system is designed to meet all EPA requirements, including California Air Resources Board (CARB) gasoline, Gasoline Sulfur Tier 2, and Mobile Source Air Toxics (MSAT) regulations; and support planning and information management requirements. The COMPLY software allows customers to monitor, calculate and manage their data by:

- Calculating each facility's baseline and tracking its annual MSAT target
- Handling the generation and transfer of gasoline credits and allotments
- Previewing the effects of batches before they become part of the actual compliance scenario
- Producing the official "bubble" paper reports, as well as the electronic Sulfur Tier 2 reports required by the EPA
- Providing immediately accessible updates to the software via our website and e-mail, telephone, and facsimile support

In addition, the COMPLY system is promptly updated to reflect newly enacted regulations and reporting changes as soon as they are released by the CARB or the EPA.

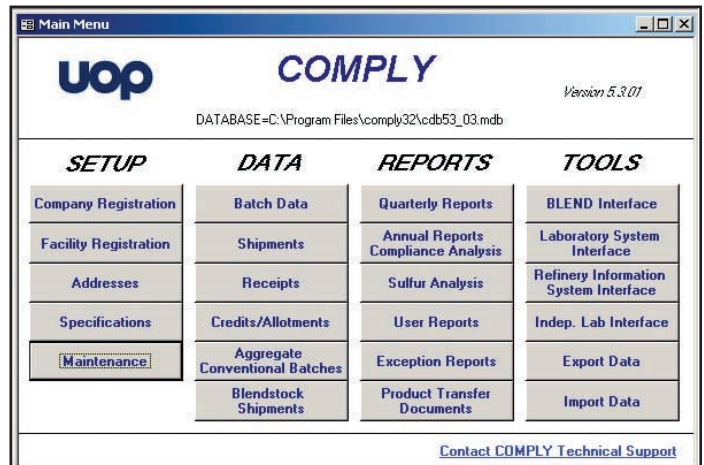
### CALIFORNIA AIR RESOURCES BOARD (CARB) SUPPORT

Full implementation of the CARB Phase 2 and Phase 3 RFG regulations is provided, including support of alternative gasoline recipes via the Predictive Model.

### GASOLINE SULFUR TIER 2 REGULATIONS

The COMPLY system incorporates the gasoline Sulfur Tier 2 regulations, including generation, conversion, and tracking of sulfur credits and allotments and the creation of the electronic sulfur reports required by the EPA. Also

included in the software are provisions for Small Refiners and Geographic Phase-in Area (GPA) facilities.



### MOBILE SOURCE AIR TOXICS (MSAT) REGULATIONS

The MSAT regulations mandating new toxics compliance levels for both conventional gasoline and RFG are also incorporated into the software. Customers can compare their current toxics levels against new toxics targets to take advantage of any toxics credits they may generate.

### DATA MANAGEMENT

The user-friendly interface of the COMPLY software simplifies data management. Screens are designed for easy data entry and review, including:

- Company and facility registration
- Batch volumes and property data
- Gasoline and blendstock transfers
- Credit transfers

Existing data can be transferred electronically from a laboratory information management system, a refinery information system, or a refinery scheduling system.

### REPORTING

The COMPLY software can generate the reports required by the EPA and can transmit this information via

electronic data interchange (EDI). The COMPLY system can also process the data into custom reports for internal use or export to another system.

## COMPLIANCE PROJECTION

The COMPLY system is an invaluable tool for preparing and evaluating a compliance strategy. It calculates year-end compliance values with year-to-date actual data, in combination with planned production for the balance of the year. This allows the evaluation of various scenarios to determine their effect upon compliance.

## TRAINING & CONSULTING

UOP offers a Class-on-Demand system where UOP COMPLY software support personnel work with clients across the Internet using secure web-enabled technologies. Advantages of the Class-on-Demand approach are:

- Class times are chosen by the client
- Classes can be tailored to a client's unique situation
- Direct one-on-one time with the client
- Direct work with the client's actual data
- Reduced travel time and expenses for the client

Our regulatory consultants provide cost-effective strategies to reach regulatory targets and/or maximize profits, not only from the blending activities but from the overall refinery operation as well.

## SYSTEM CAPABILITIES AND REQUIREMENTS

The COMPLY software's relational database application provides a broad range of systems capabilities, including:

- Multiuser capability and multilevel security
- SQL support, including Oracle accessibility
- Support for end-user report development
- Import/Export for Lotus 1-2-3, Excel, Paradox, Access, and ASCII

The system is designed to run on IBM-compatible PCs. The following hardware configuration is recommended:

- CPU: Pentium 200 MHz minimum
- OS: Windows NT / Windows 95/98/2000
- RAM: 64 MB minimum
- Hard disk required: 50 MB available

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- Monitor: SVGA with 600 x 800 resolution
- Printer: HP-compatible laser
- CD-ROM drive required

## EXPERIENCE

UOP's Solutions and Services Group has installed the COMPLY EPA Compliance Tracking and Reporting System in more than 70 facilities in the United States and the Caribbean.

	Internal Lab	Tested by	Min.	Max.	Target	Max. Target	Independ. Lab	2nd Lab	Lab Tolerances
Gravity, API:	65	ES					65		0.3
RON:	93		90						
MON:	88								
(R+M)/2:	90.5								
RVP, psi:	7.22	KC	8.25		7.7		7.22		0.3
Sulfur, ppm:	164	KC	200		165		162		25
Olefins, vol %:	19.0	JLT	18		16.3		18.8		2.5
Benzene, vol %:	0.95	ES	1		0.9		0.98		0.21
Aromatics, vol %:	24.6	ES	30		27		24.5		2.7
Arom. (GC/MS):	24.6								
Oxygen, wt %:	3.83		2				3.83		
IBP, °F:	0								
T10, °F:	0.0								
T50, °F:	0.0						0.0		5.0
T90, °F:	0.0						0.0		5.0
FBP, °F:	0								
E200, LV%:	61.7	RKG	65		60		62.1		2.5
E300, LV%:	82.2	RKG					82.6		3.5
V/L, °F:	0								

## FOR MORE INFORMATION

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