

# Environmental Permitting and Compliance

*Experienced in 37 states and 9 countries*

With world-wide permitting experience, ICM's Environmental Affairs team has the background necessary to assist in securing the permits, plans, and approvals needed to build, start up, and operate an ethanol plant.

To help the biofuels industry navigate the complex environmental issues encountered while managing a plant, we've also developed a library of compliance tools to save plants time, frustration, and money.



## Permitting experience second to none

In the quickly growing biofuels industry, your plant's operation is ultimately dependent upon the environmental regulations in place. An experienced consulting team is an invaluable asset. ICM's Environmental Affairs team has fulfilled permitting requirements for more than 150 projects in 37 states and 9 countries.

Led by Bill Roddy, with 16 years' experience in California regulatory agencies and 15 years' experience in the oil and ethanol industries, ICM's Environmental Affairs team has one extreme advantage over other consultants—they only work in the biofuels industry.

Having a seasoned team of professionals with such a targeted customer base means that time and resources are focused on your project, not on learning the ropes. Other advantages include:

- Internal project tracking system ensures adherence to all customer timelines
- Experience from past projects eliminates any "learning curve"—minimizing permitting costs
- In-house ambient air quality modeling capabilities using EPA-approved models reduces your total expense

## Safe, secure, and in compliance

To complement our environmental permitting services, ICM has developed professional hardware and software solutions to cost-effectively keep your plant in compliance, including our Ethanol Environmental Compliance System, Site Security Plan, Hazardous Waste Characterization Tool, and Leak Detection and Repair (LDAR) Kit. More than 75 plants, over half the North American ethanol industry, use at least one of these four tools. Service continues after the sale—we provide the necessary support to keep your plant current with changing environmental regulations.

**NEW!**

## Ethanol Environmental Compliance System (ECS) Version 2.0 with Audit Tool

In an easy-to-use Microsoft® Excel format, Ethanol ECS Version 1.0 is the only environmental management system developed for the ethanol industry. It's a one-stop shop for state inspectors during plant audits, making it easier to track down numbers and records. A similar system purchased elsewhere can run upwards of \$20,000. This system:

- Tracks monitoring and reporting requirements
- Keeps facilities in line with their permits
- Records 12-month rolling averages
- Helps facilities avoid non-compliance related issues and exposure to costly penalties.

Now, even easier to use, Version 2.0 features:

- Web-based application with a secure login
- Printer-friendly reports
- Optional self-audit capability
- Ability to upload environmental documents, e.g. air permits

**Base Package, Upgrade, and Optional Audit Tool ..... Coming soon!**



the energy of innovation™



**I am very happy with ICM's Site Security Plan, especially how little work it took on my part to complete. A plant's first year is very busy, and we had an FRA inspection during that time. They asked to see our plan and training documents, looked through it, and said, 'Good job!' It definitely set the tone on a positive note for the rest of the inspection. I would definitely recommend ICM's SSP to any plant.**

**- Joe Kreutzer**, Plant Manager  
Prairie Horizon Agri Energy



## Site Security Plan

The Dept. of Transportation (DOT) published new regulations in 2003, enhancing the security of hazardous material transportation. U.S. ethanol facilities, covered by these regulations, are required to have a Site Security Plan in place prior to facility start up.

To ease compliance with this regulation, ICM has developed a DOT-approved Site Security Plan template that can be adapted to meet any plant's requirements. Our team can even help you customize it.

**Base package ..... \$2,500**

## Hazardous Waste Characterization Tool

Ethanol facilities are required to classify and characterize waste stored onsite.

In order to remain Conditionally Exempt Small Quantity Generators (CESQG), plants must stay below 220 lbs/month of hazardous waste.

Keeping records of waste generation, storage, and disposal is simple with ICM's Hazardous Waste Characterization Tool. Pre-classifying more than 50 basic wastes, this tool can even be integrated with ICM's Ethanol ECS Software. Securing a waste characterization tool from other sources will cost you approximately \$25,000.

**Base package ..... \$2,500**



## Contact us for more information!

Our environmental compliance tool library is just one of the many services ICM offers tailored to the ethanol industry.

Learn more about our environmental solutions or any of the 30-plus other products and services ICM offers to meet your plant's needs! Call our Customer Service department today

**877.456.8588**

## Leak Detection and Repair (LDAR) Reporting Kit

Under 40 CFR60 Subpart VV or VVa in the EPA's regulation of VOC equipment leaks, ethanol facilities are required to perform monitoring on a regular basis, in addition to recordkeeping and semi-annual reporting.

ICM's LDAR Kit comes complete with VOC monitor, intrinsically safe barcode scanner/PDA, barcode creation and printing capabilities, and reporting template/database. Your staff will be supplied with all the tools necessary to perform monitoring responsibilities in-house, eliminating the need for third-party involvement. In addition, the kit creates job reports for plants to fix leaking components before they become reportable.

**Bronze package\* ..... \$20,000**

Silver, Gold, and Platinum packages also available.

**\* Bronze package reflects software and/or hardware only. ICM can also provide LDAR monitoring services. Talk to an Environmental Affairs Team member for more information.**



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