

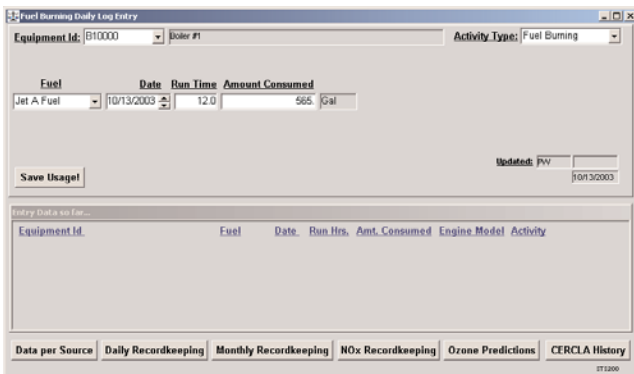


Fuel Burn

The EHSdesk™ Fuel Burn (FB) module, a submodule of Substance Tracking System (STS) supports the collection, real-time monitoring, and reporting of fuel burning emissions to meet state and federal regulations. Fuel Burn provides a emissions collection and reporting system for natural gas, diesel, and other fuels used at boilers or other fuel burning equipment. Fuel Burn contains all the necessary data for real time compliance across a multi-permitted facility. Fuel Burn emissions calculations are based on a configurable set of properties for site specific fuel burning equipment.

Features and Functionality

- Fuel burning equipment inventory available with configurable emissions factors by allowable fuels
- Fuel burning sources can be grouped together for limit purposes or assigned to a source or site CERCLA limit
- Limits/permits can be applied to usage data (e.g., hours run, gallons consumed) or emissions data (lbs. emitted)
- Easy to use daily fuel burning log entry is available and includes non-fuel burning events



Fuel Burn Input

- Automatic calculation of emissions per pollutant is saved for each fuel burning entry; administrators retain the ability to override entries
- Ozone season predictions documentation is available
- Air emission credit purchases can be tracked and reported against emissions to determine credit status
- Exceeded permit limits are tracked with e-mail notification going to a configurable distribution list
- Predefined reports for regulatory/permit compliance and best management practices are readily available
- Typical users include EHS Professionals, Personnel responsible for fuel burning source, Supervisors

Benefits

- Enables real time collection, monitoring, and reporting on fuel burning emissions to ensure permit compliance
- Provides instant notification via e-mail when fuel burn limits have been exceeded
- Automates complex manual calculations to derive emissions
- Simplifies compliance reporting with predefined reports

E-mail/Reports

- Ad hoc reporting is available using a flexible search window with multiple filters and sorts; query results can be printed or saved to an Excel™ or Acrobat™ format
- Emissions report(s) for daily and monthly data including a 12 month rolling limit comparison
- Fuel Burn usage reports(s) for daily and monthly data
- Annual Emissions Statement report(s) with supporting data (average days per week, hours of operation, etc.)

NOx Recordkeeping for East Hampton, CT					
Printed on: 10/13/2003			From 10/13/2002		
Date	Source Description	Fuel	Run Time	Amount Consumed	Fa
05-2003					
05/01/2003	Boiler #1	Natural Gas	5.0	2,500.0 CuFt	
05/05/2003	Boiler #1	Natural Gas	6.0	505.0 CuFt	
05/12/2003	Boiler #1	Jet A Fuel	4.0	20.0 Gal	
			Monthly Total:	15.0	3,025.0
			Total for East Hampton, CT:	15.0	3,025.0

NOx Recordkeeping Report

- Credits Trading Status report
- E-mail sent to fuel burning equipment distribution list to notify when a fuel burn limit has been exceeded

Integration Points

- EHSdesk **Air**; designate equipment as fuel burning and assign fuels used at equipment

Compliance

Facilitates compliance to local Air permits and ISO 14001



Process Flow

