

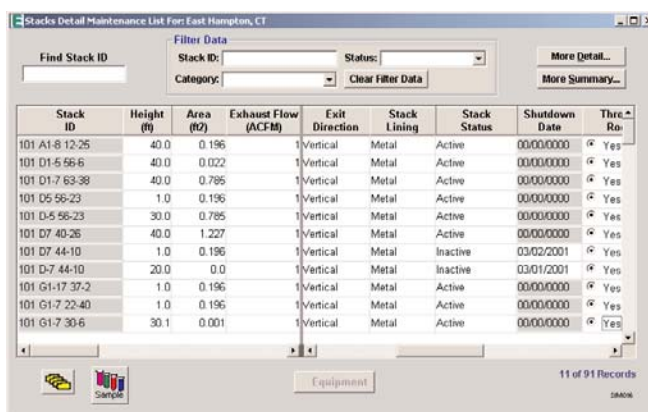


## Air

The EHSdesk™ **Environment - Air** module supports the development of a comprehensive, accurate and well-documented emissions inventory facilitating the improvement in air quality and minimizing the impact of air regulations on operations. Point and fugitive air emissions inventory (e.g., stacks) are related with the equipment list to document materials and constituents emitted based on engineering estimates. Stacks and equipment can be related to control systems serving as pollution abatement. Detailed information on toxics for equipment is managed allowing “what if” estimates for potential toxics to be generated.

## Features and Functionality

- Equipment inventory available for air related sources such as paint booths, boilers, and heating ventilation and air conditioning (HVAC) units
- Additional air properties can be added to the core equipment information
- Comprehensive stack inventory available to document regulatory data, dimensions, exit, and lining information
- Stacks may be related to more than one piece of equipment and vice versa
- Material associated with an equipment process provides the foundation for air emissions data
- Emission factors for outgoing material from equipment are used to calculate engineering estimates for annual, average, potential, and peak emissions
- Toxics and potential toxics calculations are provided using MASC algorithms
- Pollution abatement systems may be tracked as control systems for equipment or stacks
- Engineering estimates for all types of air emissions are maintained
- Typical users include EHS Professionals



Stack ID	Height (ft)	Area (ft <sup>2</sup> )	Exhaust Flow (ACFM)	Exit Direction	Stack Lining	Stack Status	Shutdown Date	Thru
101 A1-8 12-25	40.0	0.196		Vertical	Metal	Active	00/00/0000	Yes
101 D1-5 56-6	40.0	0.022		Vertical	Metal	Active	00/00/0000	Yes
101 D1-7 63-38	40.0	0.785		Vertical	Metal	Active	00/00/0000	Yes
101 D5 56-23	1.0	0.196		Vertical	Metal	Active	00/00/0000	Yes
101 D-5 56-23	30.0	0.785		Vertical	Metal	Active	00/00/0000	Yes
101 D7 40-26	40.0	1.227		Vertical	Metal	Active	00/00/0000	Yes
101 D7 44-10	1.0	0.196		Vertical	Metal	Inactive	03/02/2001	Yes
101 D-7 44-10	20.0	0.0		Vertical	Metal	Inactive	03/01/2001	Yes
101 G1-17 37-2	1.0	0.196		Vertical	Metal	Active	00/00/0000	Yes
101 G1-7 22-40	1.0	0.196		Vertical	Metal	Active	00/00/0000	Yes
101 G1-7 30-6	30.1	0.001		Vertical	Metal	Active	00/00/0000	Yes

Stack Detail

## Benefits

- Provides comprehensive emissions inventory documentation which forms the basis for data needed to satisfy permit provisions and reporting requirements, as well as other compliance and enforcement related activities
- Automates complex manual calculations to derive engineering estimates for air emissions
- Provides a single source of consistent and reliable data for compliance reporting

## Compliance

Facilitates compliance with 40 CFR 50 thru 85 and 40 CFR 87 thru 97



## 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<sup>TM</sup> or Acrobat<sup>TM</sup> format
- Air inventory listing (with formatted report)

SIM Environment Equipment Inventory Summary Report							
Equipment ID	Building	Location	Dept ID	Cell ID	Status	Installation Date	Shutdown Date
242169	MAIN		0102		Active	01/12/2003	00:00:0000
Description: Box Furnace #2						Module Center:	
Processes				Stacks and Control Systems			
Process No.	Process Title		Stack ID	Stack Ext.	Control No.	Control Description	
A29P	Metallic Coating		101 G-7	35-22	1	Baghouse	

*Inventory Report*

## Integration Points

- EHSdesk **Sample**; view analytical results for a stack or a piece of equipment
- EHSdesk **STS**; assign materials and non-MSDS materials
- EHSdesk **SIM Lite**; associate stacks with equipment

## Process Flow

