Industrial Hygiene

Protect Employees, Enhance Compliance, and Reduce Risk

Your firm's Industrial Hygiene (IH) program is key to protecting employees, maintaining regulatory compliance, and managing your risk profile. Because you have a large number of employees in many locations, which each have different IH requirements, the effective and efficient management of IH programs can be challenging and complex.

ProcessMAP’s IH Module can greatly simplify management of your IH program because it provides a single enterprise-wide platform for data management and analysis, with instantaneous access to IH data as it is entered at the facility. This system not only helps you to be protective of employees, but facilitates timely regulatory reporting and automatically performs trend analyses that help you to quickly and easily identify opportunities for performance improvement and risk reduction.

Our web-based application allows secure access to the system from any location enabling you to share needed information with users at facilities throughout your organization and manage efforts effectively and efficiently from any location.

Employee protection, regulatory compliance, and risk management are also enhanced by the system’s automatic prompting capabilities, which notify users at each facility when it’s time to implement sampling and other activities. This reduces the need for manual prompting and helps to make sure that critical actions are not overlooked.

THE BENEFITS

Simple and Comprehensive Documentation: The task of documenting regulatory compliance is simplified because all sampling plans, events, and data are stored in a single platform. This system also maintains records related to sampling methodologies so the information you need is easily retrievable from a single source.

Reliable and Timely Issue Identification: Because our software automatically compares sampling program results to federal, state, and local occupational exposure limits and action levels, company policies, and other criteria that you define, compliance issues are instantaneously identified and displayed so that you can take prompt corrective action.

Automatic Qualitative Risk Assessment: Real-time risk management is possible with ProcessMAP’s system because it performs and displays the results of qualitative risk assessments for all agents based on the severity and frequency of exposure, as well as PPE and existing control measures.

Simple Equipment Inventory Management: Equipment inventory management is simplified because our system provides both corporate and facility users access to a common database for tracking the inventory, condition, calibration, and maintenance of equipment, linked directly with specific agents/hazards.

Improved Accountability: Accountability is improved because the system enables users to define and track preventive and corrective action items related to any sample that exceeds occupational exposure or action levels.

Simple and Timely Reporting: Employee notification, sample exception reports, and summary reports are compiled and provided by the system making it simple and easy for staff to remain informed and for the company to maintain regulatory compliance. be generated by staff using specific parameters associated with Sampling Plans, Sampling Events and Samples.
SOLUTION FUNCTIONALITIES

Sampling Plan and Event Management
- Create and Manage Sampling Plans
- Create Sampling Events Based on Agent, Department and/or Both
- Allow External Consultants to Organize Sampling Plan and Event Activities

Industrial Hygiene Sampling Management
- Capture Sampling Methodologies using the following IH Sampling Techniques:
  - Air Monitoring Pumps
  - Passive Dosimeters
  - Noise Dosimeters
  - Heat Stress Monitors
  - Radiofrequency Probes
- Capture Details from Individual Samples and/or Mixtures
- Link Directly Exposed Employees and/or Similar Exposure Groups to Sample
- Compare Sample Results Versus Limits and/or Action Levels
- Capture Controls in Place for Agent(s)

Sample Breakdown
- Capture Traditional Sample Details
  - 15 Minute STEL/8 Hr TWA/ Task
  - Area/Personal
  - Total Sampling Time
- Link the Sampling Monitoring and Calibration Equipment from Equipment Bank
- Sampling Media Used
- Capture Results Based on Shift Exposure Representation
- Validate Sample Result versus Action Levels/Exposure Limits based on Country/Company Organization Levels

Qualitative Risk Assessment
- Perform risk assessment to determine level of potential sampling required.
- Assess hazards based on following ratings:
  - Severity
  - Likelihood
  - Control Measures
  - PPE and Existing Controls in Place
- Link Ratings to Sampling Plans

Correct Action Item Tracking/Alerts
- Capture Corrective and Preventive Actions Associated with Sampling Exposure Results
- Due Dates Tracking
- Ownership Assignment to Multiple Individuals
- Rule-Based Email Notifications
- Email Reminders and Alerts
- Daily Reports on Tasks

Metrics and Statistics
- Summary of Sample Results per Sampling Activities
- Sample Exposure Breakdown per Sample Event
- Number of Sample Results Above Over Exposure Limit (OEL)
- Number of Sample Results Between OEL and Action Levels
- Number of Samples Below Action Levels

Tracking PPE and Controls
- Capture Appropriate Personal Protective Equipment (PPE) Required Based on Agent/Hazard and Sample Results
- Establish Applicable Administrative Controls Necessary Associated with Agent(Hazard)
- Capture Engineering Controls in Place

Reports
- Generate Employee Notification Reports
- Create Reports to Capture Information Associated With Sampling Plans
- Generate Reports Associated with a Specific or Group of Sampling Events.
- Produce Reports For Each Individual Sample
- Generate Comparison Reports on Recent Sampling Details Versus Historical Data

Event-Based E-mail Notifications
- Ability to Create Email Distribution Lists
- Notifications Based on Exposure Results
  - Over Exposure Limits (OEL)
  - Above Action Levels but below Limits
- Link Directly to Accredited IH Laboratory Personnel where Sample Media is Sent

Sampling Monitoring and Calibration Equipment Inventory Management
- Manage All Sampling Equipment for All Sampling Methodologies (Air, Noise, Heat Stress, RF, Etc.)
- Capture All Equipment Details Including:
  - Manufacturing
  - Serial Numbers
  - Model Number
- Manage Annual Preventive Maintenance Calibration Records for All Equipment
- Link Equipment From Inventory Directly to the Actual Sample

Module Setup
- Create Look Up Values for:
  - Personal Protection Equipment
  - Administrative Controls
  - Engineering Controls
- Capture Equipment Details for:
  - Air Monitoring Equipment
  - Noise Monitoring Equipment
  - Calibration Equipment – Air and Noise
  - Radio Frequency Probes
  - Wet Bulb/Global Thermometers

System Integration
- Integrated with Chemicals and Activity Management Modules
- Integration with Laboratory Information Management Systems (LIMS)
- Interfaces with SAP, PeopleSoft, Oracle HR, and Other Human Resources Systems

Trending Charts
- Planned Assessments Versus Completed Assessments.
- Number of Sampling Plans Approved Versus Under Review
- Status Of Corrective and Preventive Actions Associated With Sampling Results
- Recent Sampling Performed
- Sample Results Above/Below Action Levels And/or Over Exposure Limits

About ProcessMAP
ProcessMAP is the world’s leading cloud-based enterprise software platform that empowers organizations to become more efficient and intelligent in three key areas: Environmental Health and Safety (EHS) Management, Sustainability and Carbon Management (SCM) and Enterprise Learning & Compliance Management (ELC). ProcessMAP’s suite of web and mobile applications provides all key functionalities that are essential to drive world-class EHS management processes.