

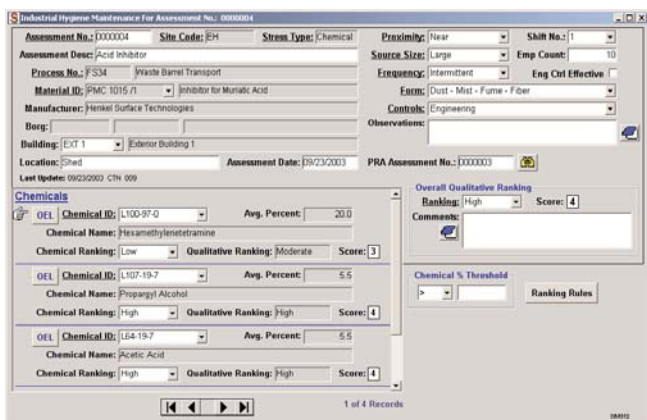


Industrial Hygiene Assessment

The EHSdesk™ **Industrial Hygiene Qualitative Assessment (IH)** module provides a mechanism for identifying and prioritizing worker chemical and physical exposure through process and stressor identification. The IH assessment factors in employee population, exposure frequency, and other qualitative factors when generating an overall ranking. Chemical stressors also include constituent level rankings based on industry standard occupational exposure limits (OELs).

Features and Functionality

- Substances associated with a process can be assessed using qualitative factors (proximity to stressor, employee population, source size, controls present, frequency of exposure etc.)
- Each chemical constituent of a substance can be given a qualitative ranking after review of the OELs for the given Chemical Abstract Society (CAS) number



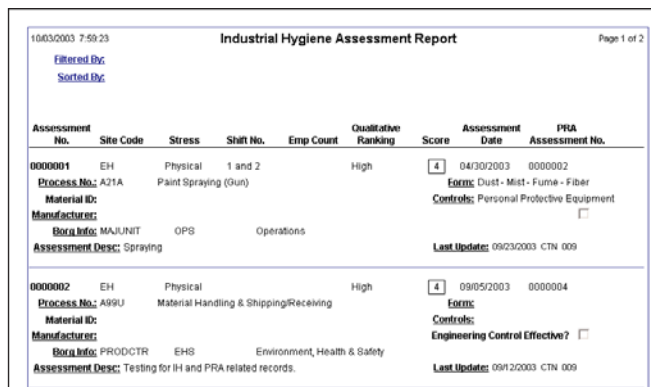
The screenshot shows the 'Industrial Hygiene Maintenance For Assessment No.: 000004' window. It includes fields for Assessment No., Site Code, Stream Type, Proximity, Shift No., Assessment Date, Process No., Source Size, Emp Count, Material ID, Frequency, Eng Ctrl Effective, Manufacturer, Form, Controls, and Observations. A 'Chemicals' section lists OELs for Hexamethylenetetramine, Propanol Alcohol, and Acetic Acid, each with its own ranking and score.

Industrial Hygiene Detail

- Physical Stressors (Noise, Odor, etc.) are assessed the same manner as Chemicals
- Algorithm based scoring is used to calculate the automatic worst case overall qualitative score
- A score override function is available with the ability to document the override rationale
- IH module integration/access available from within Process Risk Assessment (PRA), and Safety
- Typical users include EHS Professionals, EHS Managers, Industrial Hygienists, and Operations Personnel

Benefits

- Facilitates a standard methodology for identifying risks and impacts to prevent injuries and illnesses as well as protect the environment
- Creates a standard IH qualitative ranking score which enhances employee communications
- Provides ability to prioritize the need to perform IH quantitative assessments for more detailed sampling
- Reduces the number and cost of work-related injuries, illnesses, and environmental impacts



The screenshot shows an 'Industrial Hygiene Assessment Report' with a table of results. The table has columns for Assessment No., Site Code, Stress, Shift No., Emp Count, Qualitative Ranking, Score, Assessment Date, and PRA Assessment No. Two assessment entries are visible, detailing physical stressors like Paint Spraying and Material Handling & Shipping/Receiving.

Industrial Hygiene Report

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
- IH Profile Summary report is available displaying all related data for an assessment
- IH inventory listing (with formatted report)

Compliance

Assists in meeting certification requirements, such as ISO 14001, BSI-OHSAS 18001, and OSHA Voluntary Protection Program (VPP)



29 CFR 1910.94 thru 95; 29 CFR 1910.132 thru 139; CFR 1910.1200

Integration Points

- **EHSdesk Process Risk Assessment (PRA)**; an IH assessment can be pre-populated from an existing PRA assessment, sharing the same process master data tables
- **EHSdesk Substance Tracking (STS)**; associate an IH assessment with a material

Process Flow

