



Risk Assessment

Web EHSdesk™ provides a fully integrated suite of web-based software applications designed to support administrative, operational, and business process information management associated with Environment, Health, and Safety (EHS).

The **Risk Assessment (RA)** application provides a mechanism for identifying, prioritizing, and controlling risks to worker safety and the environment. RA's methodology integrates EHS analysis within a common framework for any type of process. RA identifies process hazards, steps, risks, and control measures. Users also have the option of completing an Industrial Hygiene assessment against physical, biological, and chemical hazards.

Features and Functionality

- Standard methodology for identifying and controlling risks and impacts to prevent injuries and illnesses as well as protect the environment
- Algorithm-based scoring provides automatic worst case overall score communications to employees utilizing processes
- Documentation of hazard aspects and impacts and related control measure optionally linked to the task/step is provided

Benefits

- Provides the organization with a standard EHS Risk Assessment tool and database
- Provides ability to prioritize EHS process assessments
- Reduces the number and cost of work-related injuries, illnesses, and environmental impacts
- Provides information for better annual planning

Risk Assessment Summary

The following is a summary of the information for the selected Risk Assessment

Details	
Assessment No.: 1092	Process Name: Machine/Equipment Maintenance
Assessment Date: 08/01/2014	Process Title: Machine / Equipment Maintenance
Approval Status: Approved	CAR Status: Open
Process Desc: Install Lathe Machine	Location: Facility East Plant 1
Org: Line Operations	
Environment: 26	Health and Safety: 36

Steps | Hazards | Process Controls | Protocol | Reviews | EHS Objects | Pictures | History

Hazards | Industrial Hygiene | Add

Type	Hazard/Aspect	Effect/Impact	Severity	Score
Env	Environmental Hazard	Air Pollution	2	26

Comments: Plasma particulates are emitted.

Controls			
Type	Name	Description	Status
Engineering	ENV: Air Treatment	Activated Carbon. Strong suction.	Not in Place
PPE	H&S: Face Shield		In Place

Related Steps	
Step No.	Step Name
1	Adjust to part length
3	Start machine and filing process

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Risk Assessment Summary Page

- Protocol-related audits/inspections can be required/triggered based on hazard score
- Assessment templates available to copy similar processes used across multiple locations
- Review and approval process supported for each risk assessment
- Typical users include EHS Professionals, EHS Managers, Industrial Hygienists, and Operations Personnel

Risk Assessment Summary - by Step

Process Title: Container Handling/Storage

1: Operate PIV (drive forklift to barrel)
Shop Floor Waste Barrel Removal Process

Hazards				
Type	Hazard/Aspect	Effect/Impact	Severity	Score
ENV	Environmental Hazard	Spills	3	30

Process Level Controls			
Type	Name	Description	Status
Administrative	Training	ERGO and General Awareness Training	In Place

Controls			
Type	Name	Description	Status
PPE	Gloves, Rubber		In Place

Process Title: Container Handling/Storage

2: Load (operator loads barrel onto fork truck)
Shop Floor Waste Barrel Removal Process

Hazards				
Type	Hazard/Aspect	Effect/Impact	Severity	Score
ENV	Environmental Hazard	Spills	3	30
H&S	Ergonomics	Ergonomics Hazard	2	0

Risk Assessment Summary - by Step Posting Report

Reports

- Metrics and Inventory Reports available
- Formatted risk assessment report (by step or by process) available for posting at process site

Integration Points

- **EHSdesk Audit & Inspection Management (AIM):** a checklist audit/inspection can be required/triggered based on established protocols
- **EHSdesk Corrective Action Request (CAR):** a CAR can be created during the assessment for a hazard or to correct a missing or deficient control
- **EHSdesk Industrial Hygiene Qualitative Assessment (IH):** an IH assessment can be created to identify and score physical, chemical, and biological hazards
- **EHSdesk Ergonomics:** Scores from existing Ergonomics Assessments can be linked to risk assessments (RAs)

- **EHSdesk Admin:** associate RA with equipment and confined spaces
- **EHSdesk Action Tracker:** associate RA with action items
- **EHSdesk Material Tracker:** relate a material and associated chemical occupational exposure limits with a risk assessment/industrial hygiene assessment
- **EHSdesk Waste Tracker:** associate RA with waste locations- streams,- characterizations

Compliance

Facilitates compliance with 29 CFR 1910.132 through 29 CFR 1910.138 and ISO 45001





Process Flow

